ATTACHMENT 2: LIST OF PUMPCO PROJECTS PER INDUSTRIAL INFO RESOURCES

ny data highlighted in red belov apital PEC Report	w is data that has been added or updated in the last	t release of the project Project ID: 3007845
Project Nam	e RANKIN MATTERHORN GRASSROOT NATURAL GA e MATTERHORN EXPRESS PIPELINE PROJECT	-
Umbrella Project Summar	y Matterhorn Express Pipeline project is a 410 miles of 30 County to FORT BEND County, Tx. Project is expected	0,36 and 42" diameter natural gas pipeline that will connect UPTC I to be completed late 2024.
Industry Cod	le 03 Oil & Gas Pipelines	Project Type Grassroot
•	b) 625,000,000	
•	e 4922 Natural Gas Transmission	Sector Natural Gas Pipelines
SIC Produc	ct 4922*0004 Natural Gas Pipelines	
•••••		May-2023 Initial Release 25-Apr-2022 truction Labor Preference Unconfirmed erations Labor Preference Non-Union
Project Capacit	y Planned 250 MMSCFD of Natural G	Gas, Gaseous (Methane)
	Pipeline Installation Details	S
stallation Type	Pipeline Length Unit of Measure	Pipeline Diameter Unit of Measure
Greenfield	410.80 Miles (mi)	42 Inches (in)
Plant Nam	er WhiteWater Midstream e Rankin Natural Gas Compressor Station 2	Plant Parent WhiteWater Midstream Unit Name
	D 3331528	
	n 9 miles East of Rankin	Phone +1 512 953 2100
· · · · · ·	e Rankin, Texas 79778 U.S.A.	Zone/County TX*06, Upton
Project Responsibilit Project Directo	or WhiteWater Midstream	Project Contact Caleb Ryan
Troject Directe	100 Congress Street	Operations Director
	Austin, Texas 78701	[Tel.] +1 512 953 2105
	U.S.A.	[E-Mail] cyan@whitewatermidstream.com;
		[LinkedIn] caleb-ryan-p-e-39570229
Contracts Administrate	or WhiteWater Midstream	Michael Serish
	100 Congress Street	Supply Chain Manager
	Austin, Texas 78701	[Tel.] +1 512 953 2100
	U.S.A.	[E-Mail] mserish@whitewatermidstream.com; [LinkedIn] michael-serish-a928063b
Complianc	e WhiteWater Midstream	Shelli Myers
	100 Congress Street	Permit Engineer
	Austin, Texas 78701	[Tel.] +1 281 639 5423
	U.S.A.	[E-Mail]
G/	C Pumpco Incorporated	Adam Nietsche
	1209 South Main Street	Site Construction Superintendent
	Giddings, Texas 78942	[Tel.] +1 979 542 9054
	U.S.A.	[E-Mail] adam.nietsche@pumpco.cc
PEC® Timin	-	PEC® Activity Construction - Merit Shop
	Whitewater Midstream with Matterhorn Express Pipeline a Grassroot Natural Gas Pipeline. DETAILS: As part of 42" diameter transmission pipeline to transport up to 2,5 terminating in Fort Bend County, TX. REQUIRES: Trend and 42" Diameter Transmission Pipe, Flanges, Custody Utilities plus Controls. ENVIRONMENTAL: (A) Leak Details (A) Leak Details (A) Leak Details (A) Leak Details (A) Leak Details (A) Leak Details (A) Leak Detai	e (subsidiary) awards Pumpco (G/C) and performs Construction the Matterhorn Pipeline Project, install 410.8 Miles of 30", 36" ar 500 MMSCFD of natural gas originating from Upton County, TX a ching, Excavation, Trenching. Excavating, Pig Launching, 30", 3 / Transfers, SCADA, Metering, Block/Control Valves, Coatings, tection; (L) Containment. ctivities (Clearing and Grading) and releases remaining Equipme
	RFQ's and Bid Documents plus review and select Subc Commenced 2Q23 (May). Scheduled Project Completion	contractors 2Q23 (Apr) through 3Q23 (Jul). Construction on 3Q24 (Sep).
Project Milestones	AFE 202302 Sub Bid Doc 2023 ead 202208 Equip RFQ 202304 Kick-Off 2023	
Engineering		
Contracting	Electrical Environmental	Instrumentation Mechanical
Project Key Needs	Control Room	
Instrumentatior Piping/Fittings Communicatior	Insulation/Coatings Environmental Utilities	NDE Valves Pumps Transportation
Matter Phase Gas		Theoperation
Energy		
•.		
Buy Electricity		
•.	Plant Standard Contacts	

Plant Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug	-2022	
Operations Director	cryan@whitewatermidstream.com	No	cale	eb-ryan-p-e-39570229	
Maintenance Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug	-2022	
Operations Director	cryan@whitewatermidstream.com	No	cale	eb-ryan-p-e-39570229	
Purchasing Manager	Michael Serish	[Phn.] +1 512 953 2100	Aug	-2022	
Supply Chain Manager	mserish@whitewatermidstream.com	No	mich	hael-serish-a928063b	
Engineering Manager	Glenn Kellison	[Phn.] +1 512 953 2100	Aug	-2022	
Engineering Director	gkellison@whitewatermidstream.com	No	glen	n-kellison-36aba4135	
Environmental Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug	-2022	
Operations Director	cryan@whitewatermidstream.com	No	cale	b-ryan-p-e-39570229	
Safety Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug	-2022	
Operations Director	cryan@whitewatermidstream.com	No	cale	b-ryan-p-e-39570229	
Utilities Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug	-2022	
Operations Director	cryan@whitewatermidstream.com	No	cale	b-ryan-p-e-39570229	
Human Resource Manager	Zoee Gogonas	[Phn.] +1 512 953 2100	Aug	-2022	
Human Resource Director		No	zoe	e-gogonas-phr-89537121	
		Historical Reports			
Project Name		Report Date		TIV	Phase
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	25-Apr-2022		625,000,000 USD	Preliminary Design (P1 - 07)
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	12-Jul-2022		625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	04-Jan-2023		625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	21-Feb-2023		625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	03-Mar-2023		625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	03-May-2023		625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GR	ASSROOT NATURAL GAS PIPELINE	05-May-2023		625,000,000 USD	Construction - Merit Shop (C1 - 36)

*Any data highlighted in red below Capital PEC Report					project	Pro	ject ID: 30002555
Project Name	PECOS SANDHILLS	S GRASSROO	FNGL PIPELINE				PEC Activity Diagram
	03 Oil & Gas Pipelin			Project Type	Grassroot		
TIV (USD)	235,000,000						1527
SIC Code	4922 Natural Gas T	ransmission		Sector	· Natural Gas I Pipelines	Liquids	
	4922*0010 Natural 0	Gas Liquids Pip					TT.
	Complete / Done		Last Update 21		tial Release 1		
Environmental	Air (A) Land (L)			struction Labor P erations Labor P			
		Dinalina	•				
Installation Type	Pineline I e	ngth Unit of M	Installation Deta		ipeline Diame	ter Unit of M	025UF0
Greenfield		132 Miles (mi				20 Inches (ir	
	DCP Midstream LP		/	Plant Parent	DCP Midstrea		·)
	Orla Meter Station 0	2		Unit Name			
Plant ID	3490645						
	243-193 rm 652				+1 620 624 7		
Project Responsibility	Orla, Texas 79770 L	J.S.A.		Zone/County	TX*06, Reeve		
	DCP Midstream LP				Project Cont Jerry Fenton	aut	
	370 17th Street Suit	e 2500			•	ajor Pipeline F	Projects
	Denver, Colorado 80	0202			[Tel.] +1 303		
	U.S.A.				/	on@dcpmidstr	eam.com (!)
Project Manager	DCP Midstream LP 370 17th Street Suit	e 2500			Jeff Trujillo Project Coord	linator	
	Denver, Colorado 80				[Tel.] +1 303		
	U.S.A.						
G/C	Pumpco Incorporate	d			Alan Roberts		
	P O Box 742	142			Construction	•	
	Giddings, Texas 789 U.S.A.	942			[Tel.] +1 979 [E-Mail] alan		
PEC® Timing				PEC® Activity			
Project Probability	Completed (100%)			-	•		
	Salle Counties to Mo Cathodic Protection Controls. ENVIRON DCP Midstream con	As part of the 7 on pipeline (Mid os County, Wes ont Belvieu TX. , Pig Launching MENTAL: (A) L tinues to finaliz	20 Mile Sandhills F Idle Section) to trar t Texas to traverse REQUIRES: Site F & Receiving, Coat eak Detection; (L) e Surveys and RO	Pipeline Project in Insport up to 200,00 through Jackson, Preparation, Trenc ings, Block/Contro Containment. W and with Pumpo	the Eagle Ford 00 BBL/d of na Victoria, Golia hing, 20" Diam I Valves, MCC co is proceedin	Shale; Install tural gas liquid d, Bee, Live C eter Transmis Mods, Conde	132 miles of 20" ds from the Avalon bak, McMullen and La sion Pipe, SCADA, ensers, Metering and eparation Activities of
	132 Miles (Clearing review Subcontracto 4Q12 (Dec). Full Pip	or Bid Packages	through 3Q12 (Ju	l). Contruction on 2 2Q13 (Apr).	the Kick-Off 20	Q12 (Jun). Firs	
Project Milestones	AFE 201201		Doc 201204		ion 15-Apr-2013		ecision MONTH
Engineering	Equip RFQ 201110	Kic	k-Off 201206	RICKOTT SIIPP	age -2 Months	D	ouration 11 Months
Contracting	Electrical	Environmental		Instrumentation	Mechanical		
Project Key Needs Civil/Site	E 1 (1)		Control Room	Process Equip			
Instrumentation Piping/Fittings Communications	Electrical Insulation/Coatings	Mechanical Environmental	Utilities	Valves	Pumps	_	
Matter Phase Gas	Liquid				Transportation	1	
Energy	Liquid						
Buy Electricity							
Sell		11:-	terical Departs				
Project Name		HIS	torical Reports		TD (Dheec	
			Report Date	050		Phase	aluation (D1 04)
PECOS SANDHILLS GRASSROOT N		IDS PIPELINE					aluation (P1 - 04)
PECOS SANDHILLS GRASSROOT N			06-Jul-2011				aluation (P1 - 04)
PECOS SANDHILLS GRASSROOT N			14-May-2012		000,000 USD	•	· · · ·
PECOS SANDHILLS GRASSROOT N			18-Jan-2013				- Merit Shop (C1 - 36
PECOS SANDHILLS GRASSROOT N	IGL PIPELINE		09-May-2013				tart-Up (C1 - 41)
PECOS SANDHILLS GRASSROOT N	IGL PIPELINE		21-Mar-2023	235,	000,000 USD	Completion/S	tart-Up (C1 - 41)

bital PEC Report						Project ID: 300853
	MOULTON PERMIAN HIG	HWAY GRASSR	OOT NATURAL	. GAS PIPELINE		PEC Activity Diag
	PERMIAN HIGHWAY PIPE	· · ·				Umbrella Project Cou
Umbrella Project Summary	650 million cubic feet per da U.S. Gulf Coast markets.					
-	03 Oil & Gas Pipelines		F	Project Type Gra	assroot	
	55,000,000 4922 Natural Gas Transmis	ssion		Sector Nat	tural Gas Pipelines	- LEL
	4922*0004 Natural Gas Pip					
Status Environmental	Active Air (A) Land (L)	Last U	Ipdate 31-Jan-2 Construct		Release 31-Jan-202 rence Unconfirmed	
	(.)				rence Non-Union	
Project Capacity	Plannee	d 500 MMSCFD	of Natural Gas,	Gaseous (Metha	ne)	
	Permian Highway Pipeline Praha Natural Gas Compre Station		I	Plant Parent Kin Unit Name	der Morgan Incorpo	prated
Plant ID	3453008					
	1619 FM 1295		-		713 369 9000	
Project Responsibility	Moulton, Texas 77975 U.S.	.A.	2	Cone/County TX*	iect Contact	
	Kinder Morgan Incorporate	d			y Lawrence	
	1001 Louisiana Street, Suit				cilities Engineering	Supervisor
	Houston, Texas 77002-508	9		-	l.] +1 713 369 9000	
Comuliance	U.S.A.	-1			•	@kindermorgan.com
Compliance	Kinder Morgan Incorporate 1001 Louisiana Street	u			annon Miller mit Engineer/Regu	atory Affairs
	Houston, Texas 77002				l.] +1 713 420 4038	•
	U.S.A.					er@kindermorgan.com
Consultant	 Hoover & Keith Incorporate 11391 Meadowglen Suite E 				an Hellebuyck vironmental Project	Managar
	Houston, Texas 77082	,			I.] +1 281 496 9876	-
	U.S.A.					
G/C	Pumpco Incorporated 1209 South Main Street				am Nietsche e Construction Supe	rintendent
	Giddings, Texas 78942				l.] +1 979 542 9054	
	U.S.A.				Mail] adam.nietsche	
PEC® Timing Project Probability Scope		(G/C) and perform t from the Permia s between Reeve ransmission Pipe	sidiary of Kinder m Construction o an Basin, install t es County and P e, Flanges, Custo	Morgan Incorpora on a Grassroot Na 5 Miles of 36" dia ecos County, TX ody Transfers, Me	atural Gas Pipeline meter transmission . REQUIRES: Tren etering, Block/Conti	· er & Keith (Environmen Loop. DETAILS: As pa pipeline to transport up ching, Excavation, Pig
Schedule	PHP in Conjunction with Ho Equipment RFQ's and Bid I Construction Commenced	Documents plus	review and seled	ct Subcontractors	1Q23 (Jan) throug	
		02211 Sub E	Bid Doc 202303		etion 15-Dec-2023	
Project Milestones				•		
	ad 202206 Equip RFQ 20		Kick-Off 202212	Kickoff Slip	page 0 Months	
Project Milestones Long-Lea Engineering Civil Contracting Civil	ad 202206 Equip RFQ 20 Electrical Env	02301 F vironmental vironmental		Kickoff Slip		Duration 13 Months
Long-Lea Engineering Civil Contracting Civil Project Key Needs Civil/Site	ad 202206 Equip RFQ 20 Electrical Env Electrical Env	vironmental vironmental Cont		Kickoff Slip	page 0 Months ion Mechanical ion Mechanical	Duration 13 Months
Long-Lea Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta	ad 202206 Equip RFQ 20 Electrical Env Electrical Env tion Electrical Me	vironmental vironmental Con echanical	(ick-Off 202212 trol Room	Kickoff Slip	page 0 Months ion Mechanical ion Mechanical NDE	Duration 13 Months
Long-Lea Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta Piping/Fitting Matter Phase Gas Energy	ad 202206 Equip RFQ 20 Electrical Env Electrical Env	vironmental vironmental Con echanical	(ick-Off 202212 trol Room	Kickoff Slip Instrumentati Instrumentati	page 0 Months ion Mechanical ion Mechanical	Duration 13 Months
Long-Lea Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta Piping/Fitting	ad 202206 Equip RFQ 20 Electrical Env Electrical Env tion Electrical Me	vironmental vironmental Con echanical	(ick-Off 202212 trol Room	Kickoff Slip Instrumentati Instrumentati	page 0 Months ion Mechanical ion Mechanical NDE	Duration 13 Months
Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta Piping/Fitting Matter Phase Gas Energy Buy Electricity Sell	ad 202206 Equip RFQ 24 Electrical Env Electrical Env ation Electrical Me gs Insulation/Coatings Env	vironmental vironmental Con echanical	Kick-Off 202212 trol Room ies	Kickoff Slipp Instrumentati Instrumentati	page 0 Months ion Mechanical ion Mechanical NDE Pumps	Duration 13 Months
Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta Piping/Fitting Matter Phase Gas Energy Buy Electricity Sell Functional/Actual Title Contact	ad 202206 Equip RFQ 24 Electrical Env Electrical Env ation Electrical Me gs Insulation/Coatings Env	vironmental vironmental con chanical vironmental Utilit Plant Standard Telephone/On-t	kick-Off 202212 trol Room ies d Contacts site	Kickoff Slip Instrumentati Instrumentati Valves QC Date/Linked	page 0 Months ion Mechanical ion Mechanical NDE Pumps	Duration 13 Months
Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta Piping/Fitting Matter Phase Gas Energy Buy Electricity Sell Functional/Actual Title Contact Plant Manager Steve Ro	ad 202206 Equip RFQ 22 Electrical Envi Electrical Envi ation Electrical Me gs Insulation/Coatings Envi Name/E-mail omano	vironmental vironmental con chanical vironmental Utilit Plant Standard Telephone/On-s [Phn.] +1 713 36	kick-Off 202212 trol Room ies d Contacts site	Kickoff Slip Instrumentati Instrumentati Valves QC Date/Linked	page 0 Months ion Mechanical NDE Pumps	Duration 13 Months
Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumenta Piping/Fitting Matter Phase Gas Energy Buy Electricity Sell Functional/Actual Title Contact Plant Manager Steve Ro	ad 202206 Equip RFQ 22 Electrical Env Electrical Env ation Electrical Me gs Insulation/Coatings Env Name/E-mail omano omano@kindermorgan.com	vironmental vironmental con chanical vironmental Utilit Plant Standard Telephone/On-s [Phn.] +1 713 36	Kick-Off 202212 trol Room ies d Contacts site 59 9000 x36244	Kickoff Slip Instrumentati Instrumentati Valves QC Date/Linked Mar-2023 steve-romano-10	page 0 Months ion Mechanical NDE Pumps	Precision QUARTER Duration 13 Months Gen [G/C

Purchasing Manager	Steve Romano	[Phn.] +1 713 369 9000 x36244	Mar-2023
Vice President of Operations	steven.romano@kindermorgan.com	No	steve-romano-1630372
Engineering Manager	David Grisko	[Phn.] +1 713 369 9870	Mar-2023
Business Development	david_grisko@kindermorgan.com	No	
Environmental Manager	Brittany Brumley	[Phn.] +1 713 420 6314	Mar-2023
EHS Manager		No	brittany-brumley-27801940
Safety Manager	Brittany Brumley	[Phn.] +1 713 420 6314	Mar-2023
EHS Manager		No	brittany-brumley-27801940
Utilities Manager	Steve Romano	[Phn.] +1 713 369 9000 x36244	Mar-2023
Vice President of Operations	steven.romano@kindermorgan.com	No	steve-romano-1630372
Human Resource Manager	Mary Burtner	[Phn.] +1 713 369 9000	Mar-2023
	mary_burtner@kindermorgan.com	No	maryburtner

apital PEC Report						F	Project ID: 300852
E P	roject Name	COYANOSA PI	ERMIAN HIGHWAY	GRASSROOT NATUR	AL GAS PIPELINE	LOC	PEC Activity Diag
	-		HWAY PIPELINE (PH				mbrella Project Cou
Umbrella Proje	ct Summary		c feet per day (MMcf/	rimarily compression e d) from the Waha area			
Inc	-	03 Oil & Gas Pi	pelines		Project Type Gras	sroot	
	. ,	35,000,000					The state
			as Transmission		Sector Natu	ral Gas Pipelines	
			ural Gas Pipelines				
Γ.,		Active		Last Update 31-Jan-		elease 31-Jan-2023	U.
En	vironmental	Air (A) Land (L)			tion Labor Prefere		
			BL	•	ons Labor Prefere		
Proje	ect Capacity			ISCFD of Natural Gas,	Gaseous (Methane	e)	
stelletion Turns		Dinelin		Installation Details	Dinalia	o Diomotor Unit of	Magazina
stallation Type		Pipelin	e Length Unit of Me	asure	Pipelin	e Diameter Unit of	
Greenfield			5 Miles (mi)			36 Inches	(in)
l		Permian Highw	• •		Plant Parent Kinde	er Morgan Incorpora	ited
	Plant Name		oyanosa Natural		Unit Name		
		Gas Compress	or Station				
		3335456			D	40.000.0000	
		2629 Trailer Ho			Phone +1 7 ⁻		
	-		as 79730 U.S.A.		Zone/County TX*0		
•	•	Project Compa	•		•	ect Contact	
Proje	ect Manager	Kinder Morgan				Lawrence	
			Street, Suite 1000			ities Engineering Su	•
		Houston, Texas	\$ 77002-5089			+1 713 369 9000 x	
		U.S.A.			-	ail] tony_lawrence@	kindermorgan.com
	Compliance	Kinder Morgan				non Miller	
		1001 Louisiana				nit Engineer/Regulat	ory Affairs
		Houston, Texas	s 77002			+1 713 420 4038	~
		U.S.A.			[E-M	ail] shannon_miller@	kindermorgan.com
	Consultant	Hoover & Keith	•			n Hellebuyck	
		11391 Meadow	-			ronmental Project M	anager
		Houston, Texas	s 77082		[Tel.]	+1 281 496 9876	
		U.S.A.					
	G/C	Pumpco Incorp				n Nietsche	
		1209 South Ma				Construction Superi	ntendent
		Giddings, Texa	s 78942			+1 979 542 9054	
		U.S.A.				ail] adam.nietsche@	
	EC® Timing			P	EC® Activity Cons	struction - Merit Sho	p
Project	•	High (81-99%)					
	Scope) (subsidiary of Kinder			
	Schedule	DETAILS: As p. pipeline to trans Trenching, Exc. Block/Control V PHP in Conjunc Equipment RFC	art of the PHP Expans sport up to 500MMSC avation, Pig Launchin 'alves, Coatings, Utilit ction with Hoover & Ko Q's and Bid Document	ed (G/C) and proceed sion Project from the F FD of natural gas betw g, 24" Diameter Trans ies plus Controls. ENV eith and Pumpco conti is plus review and sele c). Scheduled Project	Permian Basin, insta veen Reeves Count mission Pipe, Flang 'IRONMENTAL: (A) nues with Construc ect Subcontractors	all 5 Miles of 36" diar ty and Pecos County ges, Custody Transfe) Leak Detection; (L) tion Activities and re 1Q23 (Jan) through	neter transmission /, TX. REQUIRES: ers, Metering, / Containment, EIS. eleases remaining
		Construction Of	AFE 202211	Sub Bid Doc 202303		ion 15-Dec-2023	Precision QUARTER
Project Milestone	S Long Lo	ad 202206		Kick-Off 202212			Duration 13 Months
Engineerig		Electrical	Equip RFQ 202301		Kickoff Slippa	-	
Engineering (Contracting (Electrical	Environmenta Environmenta		Instrumentation Instrumentation		Ger
Contracting		LIECUICAI	Environmenta		mstrumentation	meenanica	[G/C
Project Key Needs	Civil/Site			Control Room			[3/0
		on Electrical	Mechanical			NDE	
	Piping/Fitting		oatings Environmenta	al Utilities		Pumps	
	Communicati					Transportation	
Matter Phase							
_	000						
Energy	-1						
	Electricity						
-							
Buy I Sell							
Sell				andard Contacts			
-	itle Contact	Name/E-mail	Plant St Telephone		/LinkedIn ID		

Operations Manager	brian.stokes@elpaso.com	No	
Maintenance Manager	Brian Stokes	[Phn.] +1 432 333 5500	Mar-2023
Operations Manager	brian.stokes@elpaso.com	No	
Purchasing Manager	Brian Stokes	[Phn.] +1 432 333 5501	Mar-2023
Operations Manager	brian.stokes@elpaso.com	No	
Engineering Manager	David Grisko	[Phn.] +1 713 369 9870	Mar-2023
Business Development	david_grisko@kindermorgan.com	No	
Environmental Manager	Eric Parker	[Phn.] +1 432 688 3780	Mar-2023
	eric_parker@kindermorgan.com	No	eric-parker-6b101b175
Safety Manager	Scott Long	[Phn.] +1 713 396 9000	Mar-2023
EHS Manager-Contractor Safety	scott_long@kindermorgan.com	No	scott-long-91291238
Utilities Manager	Brian Stokes	[Phn.] +1 432 333 5501	Mar-2023
Operations Manager	brian.stokes@elpaso.com	No	
Human Resource Manager	Mary Burtner	[Phn.] +1 713 369 9000	Mar-2023
	mary_burtner@kindermorgan.com	No	maryburtner

Umbrelle Project Name DOS AQUILAS & HOWARD ENERGY PARTINESS PROJECT Umbrelle Project Names Quitable Umbrelle Project Names DOS AQUILAS & HOWARD ENERGY PARTINESS PROJECT Umbrelle Solution on the Normal contained acapacity of 11 is Follon bars and approximately 237 miles of 12-inch popeline with 72,000 barries part day. In the United States, the project consists of a new terminal located in Robotsom, Tex net	Any data highlighted in red below Capital PEC Report	is data that had booth added of t			Project ID: 30028958
and approximately 227 miles of 12-inch pipeline with 72:000 barrels per day. Infait capability to be 00:000 barrels per day. Infait stands in the service consists of 2 miles of poles in the line of poles in the service consists of 2 miles of poles in the line o					PEC Activity Diagram
ThV (USD) 15:000.000 Sector Refined Products Ppellenes SIC Code 4313 Refined Petroleum Pipe Sector Refined Products Ppellenes SIC Product 437:0002 Refined Petroleum Pipe Last Update 08-Aug-2022 Initial Refease 30-Jun-2016 Environmental Nr (A) Land (L) Construction Labor Preference Unconfirmed Operations Confirmed Operations Labor Preference Unconfirmed Operations Labor Preference Unconfirmed Operations Labor Preference Unconfirmed Operations Confirmed Operations Confirmed Operations Labor Preference Unconfirmed Operations Confirmed Operations C	Umbrella Project Summary	and approximately 287 miles of 12- to up to 90,000 barrels per day. In t near Corpus Christi and a 141 mile includes 10 miles of pipeline from L consist of 12 miles of pipeline from Nuevo Laredo to a new terminal in	inch pipeline with 72,00 the United States, the p pipeline between Robs aredo to the Rio Grand the Rio Grande River to	0 barrels per day of initial capacity roject consists of a new terminal lo town and a new terminal in Laredo e River and border crossing faciliti o a new terminal in Nuevo Laredo	r and the capability to expand cated in Robstown, Texas, b, Texas. The project also es. In Mexico, the project will and 124 miles of pipeline fron
SiC Code 4613 Refined Petroleum Pipelines SiC Code 4613 2002 Refined Petroleum Pipelines Si Code 4613 2002 Refined Petroleum Pipelines Project Capacity Pipeline Installation DataIs matallation Type Pipeline Installation DataIs Pipeline Pipeline Installation DataIs Pipeline Pipeline	-	-		Project Type Grassroot	
Site: Construction Last Update 08-Aug-2022 Initial Release 30-Jun-2016 Environmental Air (A) Land (L) Construction Labor Preference Unconfirmed Operations Labor Preference Unconfirmed Project Capacity Planned 70,000 BBL/d of Refined Products Initial Release 30-Jun-2016 Planned 70,000 BBL/d of Refined Products Initial Release 30-Jun-2016 Planned 70,000 BBL/d of Refined Products Initial Release 30-Jun-2016 Planned 70,000 BBL/d of Refined Products Initial Release 30-Jun-2016 Planned 70,000 BBL/d of Refined Products Plann Owner Howard Midstream Energy Patnets LLC Planne Labod Refined Products Unit Name Meeting Station Plannet 10 200382 Uccestion Highway 59 East of Larado 22 miles Project Canacity Project Massponsibility Project Company Project Contact Project Massone (Contact Project Massponsibility Project Company Project Canacity Project Massponsibility Project Company Project Canacity VP Business Development 16211 La Cantera Plany #202 VP Business Development 16211 La Cantera Plany #202 Initial Release 30-200 Initial Release 30-200 Director of Operations 3an Antonio, Texas 78257 [Fel-Hal] jenutifie Bhoward denergy patients.com 3an Antonio, Texas 78257 [Fel-Hal] jenutifie Bhoward denergy Patients and Project Responsibility 20-00 bio 20-0000 BBL Die		e 4613 Refined Petroleum Pipe			A STA
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San Antonio, Texas 78/256 [Tel.] +1 210 298 222 U.S.A. [E-Mail] tmason@howardep.com ; [Linked] IE-Mail] transon@howardep.com ; [Linked] Vertice San Antonio, Texas 78/257 Joshua Smith U.S.A. IE-Mail] transon-@howardep.com ; [Linked] Vietor of Operations San Antonio, Texas 78/257 U.S.A. [E-Mail] smith@howardenergypartners.com GC Pumpco Incorporated Derek Kieschnick P O Box 742 Project Estimator Giddings, Texas 78942 [Tel.] +1 979 542 9054 U.S.A. [E-Mail] derek.kieschnick@pumpco.cc Project Probability Completed (100%) Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Do Aquilas pipeline project, Borrego portion, construct 10 miles of 12° pipeline to transport 70.000 - 90.000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grassroot Refined Products Pipeline, DO:000 Construction Contractor Bid Documents 3018 (Sep). Howard with selected Circ lease rema Equipment RFQ's and Construction Contractor Bid Documents 3018 (Sep). Howard this selected Cir clease rema Equipment RFQ's and Constructor Bid Documents 3018 (Sep). Expected Construction Kick-Off 4018 (Oct). Experied Completed 201809 VintRONMENTAL: (A) Leak Detection, (L) Containment. Scope Howard Energy Partners Rise Ro: 108 Doc 201609 Completion 01-Aug-2022			s LLC	•	
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Eng Howard Midstream Energy Partners LLC Joshua Smith 17806 IH -1- West Suite 210 Director of Operations San Antonio, Texas 78257 [Tel.] +1 210 298 2222 U.S.A. [E-Mail] smith @howardenergypartners.com G/C Pumpco Incorporated Derek Kieschnick P O Box 742 Project Estimator Giddings, Texas 78942 [Tel.] +1 97 9542 9054 U.S.A. [E-Mail] derek.kieschnick @pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12° pipeline to transport 70,000 - 90,000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planed Poliducto Pipeline portior the Dos Aguilas Pipeline. REOURES: Trenching, 12°-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permit sand expects approval 3018 (Jul). Howard Energy releases Equipment RFQ's and Construction Bid Documents 3018 (Sep). Howard with selected C/G release rema Equipment RFQ's and Construction Bid Documents 3018 (Sep). Howard with selected C/G release rema Equipment RFQ's and Subcontractor Bid Documents 3018 (Sep). Howard with selected C/G release rema Equipment RFQ's and Subcontractor Bid Document				[E-Mail] tmason@h	owardep.com ; [LinkedIn]
San Antonio, Texas 78257 [Tel.] +1 210 298 2222 U.S.A. [E-Mail] smith @howardenergypartners.con P O Box 742 Derek Kieschnick P O Box 742 Project Estimator Giddings, Texas 78942 [Tel.] +1 979 542 9054 U.S.A. [E-Mail] derek.kieschnick@pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL, refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Polductor Pipeline portior the Dos Aguilas Pipeline REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving. Meterring, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3018 (Jul). Howard Energy releases Equipment RFQ's and Constructor Contractor Bid Documents 3018 (Sep). Howard with selected G/C release rema Equipment RFQ's and Constructor Sid Documents 3018 (Sep). Howard with selected G/C release rema Equipment RFQ's and Constructor Sid Documents 3018 (Sep). Howard with selected G/C release rema Equipment RFQ's and Constructor Sid Documents 3018 (Sep). Expected Construction Kick-Off 4018 (Oct). Expected Construction Kick-Off a018 (Oct). Expected Construction Kick-Off a018 (Oct). Expected Const	Eng	Howard Midstream Energy Partners	s LLC	Joshua Smith	
U.S.A. [E-Nail] jsmith @howardenergypartners.com G/C Pumpco Incorporated P O Box 742 Derek Kieschnick P O Box 742 Project Estimator Giddings, Texas 78942 [Tel.]+1 979 542 9054 U.S.A. [E-Mail] jsmith @howardenergypartners.com PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portior the Dos Aguilas Pipeline. REQUIRES: Trenching, 12" Diameter Transmission Pipe, Cathodic Protection Custody Transfers, Coatings, Pig Launching and Recetving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Project Milestones AFE 201809 Sub Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Project Milestones Elidding Companies - Listing may Forject Responsibility Duration 47 Mor Project IMILestones Electrical Environmental Instrumentation Mechanical G/C Project Milestones Electrical Environmental Instrumentation Mechanical G/C					
G/C Pumpco Incorporated Derek Kieschnick P O Box 742 Project Estimator Giddings, Texas 78942 [Tel.] +1 979 542 9054 U.S.A. [E-Mail] derek.kieschnick@pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Nompleted (100%) Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BEL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portion the Dos Aguilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC Plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3Q18 (Jul). Howard Energy releases Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard With Selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard Breney Project Completion 2022 (May).					
P O Box 742 Giddings, Texas 78942 U.S.A. Project Estimator [Tel.] + 1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portior the Dos Aguilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3Q18 (Jul). Howard Energy releases Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Project Milestones Ediding Companies - Listing may be partial and subject to change Project Responsibility Duration 47 Mort Project Milestones Ediding Companies - Listing may be partial and subject to change	elC.				wardenergypartners.com
Giddings, Texas 78942 U.S.A. [Tel.] +1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portion the Dos Aguilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3Q18 (Jul). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Project Milestones AFE 201809 Kick-Off 201810 Kickoff Slippage 14 Months Duration 47 Mort Project Rosponsibility G/C G/C Engineering Civil Electrical Environmental	6,6				
PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As par the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portion the Dos Aguilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3Q18 (Jul). Howard Energy releases Equipment RFQ's and Construction Contractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Expected Construction Kick-Off 4Q18 (Oct). Expected Construction Nick-Off 4Q18 (Oct). Expected Construction MONT Project Milestones AFE 201809 Sub Bid Doc 201809 Completion 101-Aug-2022 Precision MONT Option 2022 (May). Project Milestones AFE 201809 Sub Bid Doc 201809 Completion 10-Aug-2022 Precision MONT Companies - Listing may be partial and subject to change Project Responsibibi				,	054
Project Probability Completed (100%) Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portior the Dos Aguilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3Q18 (Jul). Howard Energy releases Equipment RFQ's and Construction Contractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Expected Construction Kick-Off 4Q18 (Oct). Expertered construction Contractor Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Project Milestones AFE 201809 Sub Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Cong-Lead 201806 Equip RFQ 201809 Kick-Off 201810 Kickoff Slippage 14 Months Duration 47 Mort Somp		U.S.A.		[E-Mail] derek.kieso	chnick@pumpco.cc
Scope Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part the Dos Aguilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL, refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portior the Dos Aguilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Cor ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Howard Energy Partners files for Presidential Permits and expects approval 3Q18 (Jul). Howard Energy releases Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Howard with selected G/C release rema Equipment RFQ's and Subcontractor Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Project Milestones AFE 201809 Sub Bid Doc 201809 Completion 01-Aug-2022 Precision MONT Bidding Companies - Listing may Equip RFQ 201809 Kick-Off 201810 Kickoff Slippage 14 Months Duration 47 Mort Compose Incorporated G/C Engineering Civil Electrical Environmental G/C	-	·	F	PEC® Activity Completion/Start-U	р
Project Milestones Long-Lead 201806 Equip RFQ 201809 Kick-Off 201810 Kickoff Slippage 14 Months Duration 47 Months Bidding Companies - Listing may be partial and subject to change Company Name Project Responsibility Pumpco Incorporated G/C Engineering Civil Electrical Environmental Instrumentation Mechanical G/C [Contracting Civil Electrical Environmental Instrumentation Mechanical G/C	Scope	 Howard Energy Partners applies for the Dos Aguilas pipeline project, Bor refined products from Laredo, Texa the Dos Aguilas Pipeline. REQUIRE Transfers, Coatings, Pig Launching ENVIRONMENTAL: (A) Leak Detects Howard Energy Partners files for Pre Equipment RFQ's and Construction Equipment RFQ's and Subcontractor 	prrego portion, construct as to an interconnect at ES: Trenching, 12"-Diar and Receiving, Meterin ction; (L) Containment. residential Permits and a Contractor Bid Docum	t 10 miles of 12" pipeline to transpi the Rio Grande with the planned P neter Transmission Pipe, Cathodic ng, Electrical Utilities, Block/Contro expects approval 3Q18 (Jul). How ents 3Q18 (Sep). Howard with sele	ort 70,000 - 90,000 BBL/d of oliducto Pipeline portion of Protection, Custody I Valves, MCC plus Controls ard Energy releases ected G/C release remaining
Long-Lead 201806 Equip RFQ 201809 Kick-Off 201810 Kickoff Slippage 14 Months Duration 47 Mor Bidding Companies - Listing may be partial and subject to change Company Name Project Responsibility Pumpco Incorporated G/C Engineering Civil Electrical Environmental Instrumentation Mechanical Contracting Civil Electrical Environmental Instrumentation Mechanical	Project Milestones	AFE 201809	Sub Bid Doc 201809	Completion 01-Aug-202	2 Precision MONTH
Company Name Project Responsibility Pumpco Incorporated G/C Engineering Civil Electrical Environmental Instrumentation Mechanical Contracting Civil Electrical Environmental Instrumentation Mechanical G	Long-Le			11 0	Duration 47 Months
Engineering Civil Electrical Environmental Instrumentation Mechanical Contracting Civil Electrical Environmental Instrumentation Mechanical G/C		Bidding Companies - Listin	••••		
Engineering Civil Electrical Environmental Instrumentation Mechanical Contracting Civil Electrical Environmental Instrumentation Mechanical G [0] Contracting Civil Electrical Environmental Instrumentation Mechanical G				ISIDILITY	
Contracting Civil Electrical Environmental Instrumentation Mechanical G	umpco Incorporated		G/C		
·					Gene
Instrumentation Electrical Mechanical NDE		ion Electrical Mechanical	Control Room	NDE	[G/C]

Transportation

Matter Phase Energy Buy Electricity Sell Liquid

Historical Reports

Project Name	Report Date	TIV	Phase
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	30-Jun-2016	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	26-Apr-2017	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	02-Aug-2017	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	08-Dec-2017	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	11-Apr-2018	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	15-May-2018	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	24-May-2018	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	07-Sep-2018	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	29-Mar-2019	15,000,000 USD	Permitting (P2 - 18)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	15-May-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	28-Aug-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	26-Nov-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	31-Jan-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	28-Feb-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	28-May-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	15-Jul-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	30-Sep-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	01-Oct-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	30-Oct-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	24-Dec-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	25-Feb-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	30-Mar-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	14-Apr-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	30-Jun-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	27-Jul-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	28-Jul-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	29-Jul-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	31-Aug-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	21-Sep-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	31-Jan-2022	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	31-Mar-2022	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	29-Apr-2022	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	31-May-2022	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	12-Jul-2022	15,000,000 USD	Construction - Merit Shop (C1 - 36)
LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPELINE	08-Aug-2022	15,000,000 USD	Completion/Start-Up (C1 - 41)
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	d below	is data that has been added or	updated in the la	st release of the	project	
Capital PEC Report						Project ID: 3005189 ²
Proje Umbrella Proje		PECOS DOUBLE E NATURAL GA	AS PIPELINE (TRU	NK-LINE 300) ADE	DITION	PEC Activity Diagra Umbrella Project Count
		The Double E Pipeline will consist Delaware Basin in Eddy County, N New Mexico and Loving, Ward, Re	lew Mexico and ter	minate at the Waha		beline. It will originate in the northe
	-	03 Oil & Gas Pipelines			Pipeline Addi	tion
\$	SIC Code	15,000,000 4922 Natural Gas Transmission		Sector	Natural Gas I	Pipelines
	Status	: 4922*0004 Natural Gas Pipelines Complete / Done	Last Update 05		tial Release 2	
Enviro	onmental	Air (A) Land (L)		struction Labor P perations Labor P		
Project	Capacity		MMSCFD of Natur		Methane)	
		•	e Installation Deta			4 11 14 1 7 18
nstallation Type		Pipeline Length Unit of I		P	ipeline Diame	eter Unit of Measure
Greenfield		1.40 Miles (n	ni)			42 Inches (in)
Pla	nt Owner	Summit Midstream		Plant Parent	Summit Mids	tream Partners LP
Pla	ant Name	Pecos Metering Station		Unit Name	1	
	Plant ID	3301875				
	Location	County Road 432		Phone	+1 214 242 1	954
c	City/State	Pecos, Texas 79772 U.S.A.		Zone/County	TX*06, Reev	es
Project Resp	onsibility	Project Company		-	Project Cont	
• •	-	Summit Midstream			Cameron Bin	
110,000	manager	2300 Windy Ridge Pkwy #240S				gement Director
					[Tel.] +1 214	•
		Atlanta, Georgia 30339				
		U.S.A.				gham@summitmidstream.com
Co	onsultant	GAI Consultants Incorporated			Angela Lundy	
		385 East Waterfront Drive			Environmenta	al Project Manager
		Homestead, Pennsylvania 15120			[Tel.] +1 412	476 2000
		U.S.A.			[E-Mail] a.lun	dy@gaiconsultants.com
	G/C	Pumpco Incorporated			Derek Kiesch	inick
		P O Box 742			Project Estim	
		Giddings, Texas 78942			[Tel.] +1 979	
		U.S.A.				k.kieschnick@pumpco.cc
	® Timing			PEC® Activity	Completion/S	start-Up
	Scope	Completed (100%) Summit Midstream Partners award Construction on a Grassroot Natur TX, install 1.4 Miles of 42" diamete the Waha Pigging Facility at the W Pipe, SCADA, Cathodic Protection Valves, Metering, Utilities plus Con Summit Midstream in Conjunction Equipment RFQ's and Subcontrac Scheduled Project Completion 4Q	al Gas Pipeline. DE er transmission pipe /aha Hub to Pecos, n, Custody Transfer htrols. ENVIRONME with GAI and Pump tor Bid Packages 3	TAILS: As part of line (Trunk-Line 30 TX. REQUIRES: T s, Coatings, MCC I ENTAL: (A) Leak D bco continues with	the 133-Mile D 0) to transport renching, Exca Mods, Pig Laur etection, (L) C Construction A	ouble E Pipeline Project in NM & t up to 1.4 Bcf/d of natural gas fron avation, 42" Diameter Transmissio nching & Receiving, Block/Control ontainment. ctivities and releases remaining
		AFE 202010	Sub Bid Doc 20	2109 C a	mpletion 17-No	ov-2021 Precision QUARTER
Project Milestones	Long-Le	ad 201912 Equip RFQ 202107	Kick-Off 20		Slippage 15 M	
Engineering Contracting	_og _o	Electrical Environmenta		Instrumentation		
Project Key Needs Civil/Si	to	Electrical Environmenta	Control Room	monumentation	Mechanica	
		Electrical Mechanical			NDE	
				Values		
	Fittings unications	Insulation/Coatings Environmenta s	a utilities	Valves	Pumps Transportation	n
Matter Phase Gas Energy Buy Elec Sell						
Project Fuel Type Nate	ural Gas					
		Hi	storical Reports			
Project Name			Report	Date	TIV	Phase
PECOS DOUBLE E GRASS	ROOT NA	ATURAL GAS PIPELINE (TRUNK-L	INE 300) 25-Apr-2	2019 15,	000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASS	ROOT NA	ATURAL GAS PIPELINE (TRUNK-L	INE 300) 21-Oct-2	2019 15	000.000 USD	Permitting (P2 - 18)
		, ,	,			U ()
FECOS DOUBLE E GRASS	ROUTINA	ATURAL GAS PIPELINE (TRUNK-L	INE 300) 19-Feb-	2020 15,	000,000 USD	Permitting (P2 - 18)

PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	13-Mar-2020	15,000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	20-Apr-2020	15,000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	25-Jun-2020	15,000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	24-Aug-2020	15,000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	22-Oct-2020	15,000,000 USD	Preliminary Engineering (E2 - 22)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	05-May-2021	15,000,000 USD	Preliminary Engineering (E2 - 22)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	15-Jul-2021	15,000,000 USD	Construction - Merit Shop (C1 - 36)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	11-Nov-2021	15,000,000 USD	Final Commissioning (C1 - 40)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	14-Dec-2021	15,000,000 USD	Completion/Start-Up (C1 - 41)
PECOS DOUBLE E NATURAL GAS PIPELINE (TRUNK-LINE 300) ADDITION	05-May-2022	15,000,000 USD	Completion/Start-Up (C1 - 41)
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apital PEC Report		elease of the project Project ID: 30051853
Project Nan Umbrella Project Nan	ne LOVING DOUBLE E GRASSROOT NATURAL GAS PIPE ne DOUBLE E	ELINE LATERAL PEC Activity Diagra Umbrella Project Count
Umbrella Project Summa		emiles of varying diameter pipeline. It will originate in the northe ate at the Waha, servicing portions of Eddy and Lea Counties in ties in Texas.
•	de 03 Oil & Gas Pipelines D) 45,000,000	Project Type Grassroot
SIC Produ	de 4922 Natural Gas Transmission Ict 4922*0004 Natural Gas Pipelines	Sector Natural Gas Pipelines
		ac-2021 Initial Release 25-Apr-2019 Initial Release 25-Apr
Project Capaci	ity Planned 1,400 MMSCFD of Natural C	Gas, Gaseous (Methane)
	Pipeline Installation Details	
nstallation Type	Pipeline Length Unit of Measure	Pipeline Diameter Unit of Measure
Greenfield	17.30 Miles (mi)	30 Inches (in)
Plant Own	er Summit Midstream	Plant Parent Summit Midstream Partners LP
	ne Loving Meter Station	Unit Name
	ID 3303323	
	on Mile Post 50	Phone +1 214 242 1954
City/Sta	tte Loving, New Mexico 76460 U.S.A.	Zone/County NM*02, Eddy
Project Responsibil	ity Project Company	Project Contact
	er Summit Midstream	Cameron Bingham
	2300 Windy Ridge Pkwy #240S	Project Management Director
	Atlanta, Georgia 30339	[Tel.] +1 214 242 1954
	U.S.A.	[E-Mail] cbingham@summitmidstream.com
Consulta	nt GAI Consultants	Brandon Kish
	2100 West Loop South, Suite 1400	Environmental Project Manager
	Houston, Texas 77027	[Tel.] +1 346 231 7171
	U.S.A.	[E-Mail] b.kish@gaiconsultants.com (!)
G	/C Pumpco Incorporated	Derek Kieschnick
	P O Box 742 Giddings, Texas 78942	Project Estimator [Tel.] +1 979 542 9054
	U.S.A.	[E-Mail] derek.kieschnick@pumpco.cc
PEC® Timir		PEC® Activity Completion/Start-Up
	ity Completed (100%)	Teos Activity Completion/Start-Op
	Construction on a Grassroot Natural Gas Pipeline. DETA TX, install 17.3 Miles of 30" diameter transmission pipelin existing Loving Processing Plant to the proposed trunk-lir Diameter Transmission Pipe, SCADA, Cathodic Protectio Receiving, Block/Control Valves, Metering, Utilities plus C Containment.	continues with Construction Activities and releases remaining
Schedu		(Jul) through 4021 (Oct) Construction Commenced 3021 (Ju
Scheat	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov).	(Jul) through 4Q21 (Oct). Construction Commenced 3Q21 (Ju
	Equipment RFQ's and Subcontractor Bid Packages 3Q21	
Project Milestones	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov).	0 Completion 17-Nov-2021 Precision QUARTER
Project Milestones Long- Engineering	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months
Project Milestones Long- Engineering Contracting	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210 Electrical Environmental	0 Completion 17-Nov-2021 Precision QUARTER
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210 Electrical Environmental Control Room	O Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site Instrumenta	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210 Electrical Environmental Control Room ation Electrical Mechanical	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site Instrument Piping/Fittir	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 202100 Electrical Environmental Control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE Valves Pumps
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site Instrumenta Piping/Fittin Communic	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 202100 Electrical Environmental Control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site Instrumenta Piping/Fitti Communic Matter Phase Gas	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 202100 Electrical Environmental Control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE Valves Pumps
Project Milestones Engineering Contracting Project Key Needs Civil/Site Instrument: Piping/Fittin Communic: Matter Phase Gas Energy	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 202100 Electrical Environmental Control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE Valves Pumps
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Project Milestones Engineering Contracting Project Key Needs Civil/Site Instrumenta Piping/Fittin Communice Matter Phase Gas Energy Buy Electricity Sell Project Fuel Type Natural Gas	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210 Electrical Environmental Control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities ations	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE Valves Pumps Transportation
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site Instrumenta Piping/Fitti Communic Matter Phase Gas Energy Buy Electricity Sell Project Fuel Type Natural Gas	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210 Electrical Environmental control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities ations s <u>Historical Reports</u> Report Date	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE Valves Pumps Transportation TIV Phase
Project Milestones Long- Engineering Contracting Project Key Needs Civil/Site Instrumenta Piping/Fitti Communic Matter Phase Gas Energy Buy Electricity Sell Project Fuel Type Natural Gas	Equipment RFQ's and Subcontractor Bid Packages 3Q21 Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Doc 202110 Lead 201912 Equip RFQ 202107 Kick-Off 20210 Electrical Environmental Control Room ation Electrical Mechanical ngs Insulation/Coatings Environmental Utilities ations	0 Completion 17-Nov-2021 Precision QUARTER 7 Kickoff Slippage 15 Months Duration 5 Months Instrumentation Mechanical Structural NDE Valves Pumps Transportation

LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL15-Mar-202045,000,000 USDPermitting (P2 - 18)LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL20-Apr-202045,000,000 USDPermitting (P2 - 18)LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL25-Jun-202045,000,000 USDPermitting (P2 - 18)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 25-Jun-2020 45,000,000 USD Permitting (P2 - 18)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 21-Aug-2020 45,000,000 USD Permitting (P2 - 18)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 22-Oct-2020 45,000,000 USD Preliminary Engineering (E2 - 22)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 05-May-2021 45,000,000 USD Preliminary Engineering (E2 - 22)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 15-Jul-2021 45,000,000 USD Construction - Merit Shop (C1 - 36)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 11-Nov-2021 45,000,000 USD Final Commissioning (C1 - 40)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL 14-Dec-2021 45,000,000 USD Completion/Start-Up (C1 - 41)

Capital PEC Report	v is data that has been added or updated in th		Project ID: 30041889
Project Name Umbrella Project Name	■ CARLSBAD DOUBLE E GRASSROOT NATURA ■ DOUBLE E	AL GAS PIPELINE	PEC Activity Diagrar Umbrella Project Count
Umbrella Project Summar	Y The Double E Pipeline will consist of approximate Delaware Basin in Eddy County, New Mexico an New Mexico and Loving, Ward, Reeves and Pec	d terminate at the Waha, servicing portions	
	e 03 Oil & Gas Pipelines) 125,000,000	Project Type Grassroot	
SIC Code	4922 Natural Gas Transmission t 4922*0004 Natural Gas Pipelines	Sector Natural Gas Pipelir	es
		te 14-Dec-2021 Initial Release 15-Feb Construction Labor Preference Unconfirm Operations Labor Preference Union, No	ned
Project Capacity	Planned 1,400 MMSCFD of	Natural Gas, Gaseous (Methane)	
	Pipeline Installation	Details	
nstallation Type	Pipeline Length Unit of Measure	Pipeline Diameter U	nit of Measure
Greenfield	33 Miles (mi)	30 Ir	nches (in)
Plant Name	r Summit Midstream Partners LP Summit Lane Meter Station 0 3384752	Plant Parent Summit Midstream Unit Name	Partners LP
	1 25 miles Northeast of Carlsbad	Phone +1 832 413 4770	
City/State	e Carlsbad, New Mexico 88220 U.S.A.	Zone/County NM*02, Eddy	
Project Responsibility		Project Contact	
	r Summit Midstream	Cameron Bingham	
	2300 Windy Ridge Pkwy #240S	Project Director	
	Atlanta, Georgia 30339 U.S.A.	[Tel.] +1 214 242 1	
Consultan	t GAI Consultants Incorporated	· · · · ·	summitmidstream.com
Consultan	385 East Waterfront Drive	Angela Lundy Environmental Proj	ect Manager
	Homestead, Pennsylvania 15120	[Tel.] +1 412 476 2	-
	U.S.A.	[E-Mail] a.lundy@g	
G/0	Pumpco Incorporated	Derek Kieschnick	
	P O Box 742	Project Estimator	
	Giddings, Texas 78942	[Tel.] +1 979 542 9	
	U.S.A.	[E-Mail] derek.kieso	<u> </u>
PEC® Timing		PEC® Activity Completion/Start-U	р
	Completed (100%) Summit Midstream Partners awards GAI Consult	tants (Environmental Consultants) and Pump	co (G/C) and proceeds with
	Construction on a Grassroot Natural Gas Pipelin TX, install 33.4 miles of 30" diameter transmissio Lane Processing Plant (Plant ID: 3262789) curre Compressor Station (Plt ID: 3303285) in Eddy Co Transmission Pipe SCADA Cathodic Protection	on pipeline to transport up to 1.4 Bcf/d of national entry under construction in Carlsbad, NM to S	ural gas from the Summit's summit's proposed Poker Lak on, 30" Diameter
	Block/Control Valves, Metering, Utilities plus Cor		n, (L) Containment.
Schedul	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and I Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov).	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct	n, (L) Containment. as and releases remaining tion Commenced 3Q21 (Jul).
Project Milestones	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid De	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul).
Project Milestones	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid De	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct	n, (L) Containment. as and releases remaining tion Commenced 3Q21 (Jul).
Project Milestones Long-Lo Engineering	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do ead 201912 Equip RFQ 202107 Kick-C	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid De	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-Lo Engineering Contracting	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-Lo Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-Lo Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-La Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-La Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas Energy	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas Energy Buy Electricity	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas Energy Buy Electricity Sell	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Do and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construct oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul) Precision QUARTER
Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas Energy Buy Electricity	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Da and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities IS	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps Transportation	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul).
Project Milestones Long-La Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas Energy Buy Electricity Sell Project Fuel Type Natural Gas	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Da Pad 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities Is Historical Repo	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps Transportation	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul). Precision QUARTER Duration 5 Months
Project Milestones Long-La Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Gas Energy Buy Electricity Sell Project Fuel Type Natural Gas	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Da and 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities IS	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps Transportation	n, (L) Containment. es and releases remaining tion Commenced 3Q21 (Jul). Precision QUARTER Duration 5 Months
Project Milestones Engineering Contracting Project Key Needs Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Buy Electricity Sell Project Fuel Type Natural Gas Project Name	Block/Control Valves, Metering, Utilities plus Cor Summit Midstream in Conjunction with GAI and F Equipment RFQ's and Subcontractor Bid Packag Scheduled Project Completion 4Q21 (Nov). AFE 202010 Sub Bid Da Pad 201912 Equip RFQ 202107 Kick-C Electrical Environmental Control Roor Electrical Mechanical Insulation/Coatings Environmental Utilities Is Historical Repo	Pumpco continues with Construction Activitie ges 3Q21 (Jul) through 4Q21 (Oct). Construction oc 202110 Completion 17-Nov-202 Off 202107 Kickoff Slippage 15 Months Instrumentation Mechanical m NDE Valves Pumps Transportation	n, (L) Containment. s and releases remaining tion Commenced 3Q21 (Jul). Precision QUARTER Duration 5 Months e

CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	20-Feb-2019	50,000,000 USD	Project Scope (P1 - 03)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	25-Apr-2019	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	01-Oct-2019	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	19-Feb-2020	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	13-Mar-2020	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	20-Apr-2020	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	25-Jun-2020	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	24-Aug-2020	125,000,000 USD	Permitting (P2 - 18)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	21-Oct-2020	125,000,000 USD	Preliminary Engineering (E2 - 22)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	05-May-2021	125,000,000 USD	Preliminary Engineering (E2 - 22)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	15-Jul-2021	125,000,000 USD	Construction - Merit Shop (C1 - 36)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	11-Nov-2021	125,000,000 USD	Final Commissioning (C1 - 40)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	14-Dec-2021	125,000,000 USD	Completion/Start-Up (C1 - 41)
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apital PEC Report Project Na Umbrella Project Na Umbrella Project Summ Industry Ca TIV (U SIC Ca SIC Prod Sta	ow is data that has been added or me FORT STOCKTON DOUBLE E GF me DOUBLE E ary The Double E Pipeline will consist Delaware Basin in Eddy County, N New Mexico and Loving, Ward, Re ode 03 Oil & Gas Pipelines SD) 310,000,000 ode 4922 Natural Gas Transmission uct 4922*0004 Natural Gas Pipelines tus Complete / Done ntal Air (A) Land (L)	RASSROOT NATUR/ of approximately 132 ew Mexico and termi	AL GAS PIPELINE .9 miles of varying nate at the Waha.	E (TRUNŀ g diameter pipeline. It w servicing portions of E	
Project Na Umbrella Project Na Umbrella Project Summ Industry C TIV (U SIC C SIC Prod Sta Environme	 me DOUBLE E ary The Double E Pipeline will consist Delaware Basin in Eddy County, N New Mexico and Loving, Ward, Re ode 03 Oil & Gas Pipelines SD) 310,000,000 ode 4922 Natural Gas Transmission uct 4922*0004 Natural Gas Pipelines tus Complete / Done 	of approximately 132 lew Mexico and termi leves and Pecos Cou	.9 miles of varying nate at the Waha nties in Texas.	diameter pipeline. It w servicing portions of E	PEC Activity Diagr Umbrella Project Cour vill originate in the northe
Industry C TIV (U SIC C SIC Prod Sta Environme	Delaware Basin in Eddy County, N New Mexico and Loving, Ward, Re ode 03 Oil & Gas Pipelines SD) 310,000,000 ode 4922 Natural Gas Transmission uct 4922*0004 Natural Gas Pipelines tus Complete / Done	lew Mexico and termi eeves and Pecos Cou	nate at the Waha nties in Texas.	servicing portions of E	
TIV (U SIC C SIC Prod Sta Environme	SD) 310,000,000 ode 4922 Natural Gas Transmission uct 4922*0004 Natural Gas Pipelines tus Complete / Done	l ast lindate 14-F	Project Type	Grassroot	
SIC C SIC Prod Sta Environme	uct 4922 Natural Gas Transmission uct 4922*0004 Natural Gas Pipelines tus Complete / Done	Last Undate 14-			-
Sta Environme	tus Complete / Done	Last Undate 14-	Sector	Natural Gas Pipelines	
Project Capa		•		ial Release 15-Feb-201 eference Unconfirmed	8
	city Planned 1,400	Ope MMSCFD of Natural		eference Union, Non-L <i>I</i> lethane)	Inior
	Pipelin	e Installation Detail	S .		
stallation Type	Pipeline Length Unit of M	leasure	Pi	peline Diameter Unit	of Measure
ireenfield	82 Miles (m	ii)		42 Inche	∍s (in)
Plant Ow	ner Summit Midstream		Plant Parent	Summit Midstream Par	tners LP
Plant Na Plan	me Poker Lake Natural Gas Compressor Station t ID 3303285		Unit Name		
	ion NW of Carlsbad ate Carlsbad, New Mexico 88220 U.S.A.		Phone Zone/County	+1 214 242 1954 NM*02, Eddy	
Project Responsib	lity Project Company			Project Contact	
	ger Summit Midstream			Cameron Bingham	
,	2300 Windy Ridge Pkwy #240S			Project Director	
	Atlanta, Georgia 30339			[Tel.] +1 214 242 1954	
	U.S.A.			[E-Mail] cbingham@su	
Consul	ant GAI Consultants Incorporated			Angela Lundy	
Consul	385 East Waterfront Drive			Environmental Project	Manager
				[Tel.] +1 412 476 2000	U U
	Homestead, Pennsylvania 15120				
	U.S.A.			[E-Mail] a.lundy@gaicc	insultants.com
	G/C Pumpco Incorporated			Derek Kieschnick	
	P O Box 742			Project Estimator	
	Giddings, Texas 78942			[Tel.] +1 979 542 9054	
	U.S.A.			[E-Mail] derek.kieschni	ck@pumpco.cc
PEC® Tim	ing C1		PEC® Activity	Completion/Start-Up	
Project Probab	lity Completed (100%)				
	ope Summit Midstream Partners award Construction on a Grassroot Natur TX, install 82 miles of 42" diameter Summit's proposed Poker Lake Co Loving. REQUIRES: Trenching, Ex Transfers, Coatings, MCC Mods, F ENVIRONMENTAL: (A) Leak Dete Ule Summit Midstream in Conjunction Equipment RFQ's and Subcontract Scheduled Project Completion 4Q2	al Gas Pipeline. DET r transmission pipelin impressor Station (PI iccavation, 42" Diamei 'gig Launching & Rece ction, (L) Containmen with GAI and Pumpci tor Bid Packages 302	AILS: As part of the e (Trunk-line 200) t ID: 3303285) in ter Transmission I eiving, Block/Cont nt.	to transport up to 1.4 E Eddy County, NM to to Pipe, SCADA, Cathodic rol Valves, Metering, Ut	Project in NM 8 Bodd of natural gas from the NM/TX border near Protection, Custody illities plus Controls.
Designed Milesternes	AFE 202010	Sub Bid Doc 2021	10 Co	mpletion 17-Nov-2021	Precision QUARTER
Project Milestones	-Lead 201912 Equip RFQ 202107	Kick-Off 2021	07 Kickoff	Slippage 15 Months	Duration 5 Months
Engineering					
Contracting Project Key Needs Civil/Site	Electrical Environmenta	l Control Room	Instrumentation	Mechanical	
Instrumentat	ion Electrical Mechanical			NDE	
Piping/Fitting Communicat	6	I Utilities		Pumps Transportation	
Matter Phase Gas					
Energy					
Buy Electricity					
Sell					
Project Fuel Type Natural G		Standard Contrata			
Functional/Actual Title Cont		Standard Contacts	Date/LinkedIn II		
Plant Manager Forb		+1 214 242 1954 No			
•	ing@summitmidstream.com (!) No	+1 214 242 1904 INO	v-2022		

Maintenance Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	
Purchasing Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	
Engineering Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	
Environmental Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	
Safety Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	
Utilities Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	
Human Resource Manager	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	

Historical Reports

Project Name	Report Date	TIV	Phase
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE	15-Feb-2018	120,000,000 USD	Project Scope (P1 - 03)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE	25-Jan-2019	120,000,000 USD	Project Scope (P1 - 03)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	25-Apr-2019	175,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	13-Oct-2019	175,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	20-Nov-2019	310,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	19-Feb-2020	310,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	13-Mar-2020	310,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	20-Apr-2020	310,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	25-Jun-2020	310,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	24-Aug-2020	310,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	22-Oct-2020	310,000,000 USD	Preliminary Engineering (E2 - 22)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	12-Feb-2021	310,000,000 USD	Preliminary Engineering (E2 - 22)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	05-May-2021	310,000,000 USD	Preliminary Engineering (E2 - 22)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	15-Jul-2021	310,000,000 USD	Construction - Merit Shop (C1 - 36)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	11-Nov-2021	310,000,000 USD	Final Commissioning (C1 - 40)
FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 200)	14-Dec-2021	310,000,000 USD	Completion/Start-Up (C1 - 41)
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	below	is data that has been added or	updated in the last r	release of the		
Capital PEC Report					Р	roject ID: 30046184
		WHISTLER GRASSROOT NATUR WHISTLER PIPELINE PROJECT	AL GAS PIPELINE		Um	PEC Activity Diagran brella Project Count 12
Umbrella Project Sur		The proposed Whistler project is be TX to NextEra's Agua Dulce marke terminating in Wharton County. The	t hub, with an addition	al 170 miles of	30-in. pipe continuing from	n Agua Dulce and
-		03 Oil & Gas Pipelines 725,000,000		Project Type	Grassroot	
SIC	Code	4922 Natural Gas Transmission 4922*0004 Natural Gas Pipelines		Sector	Natural Gas Pipelines	
:	Status	Complete / Done Air (A) Land (L)	Last Update 02-Au Constru	-	ial Release 15-Aug-2018 reference Unconfirmed	Agra
			Opera	ations Labor Pr	reference Non-Union	
Project Ca	расну		MMSCFD of Natural (Jas, Gaseous (I	vietnane)	
		· ·	e Installation Details	-		
Installation Type		Pipeline Length Unit of M	leasure	Р	ipeline Diameter Unit of	Measure
Greenfield		450 Miles (m	i)		42 Inches	(in)
Plant	Owner	Targa Midstream Services LLC		Plant Parent	Targa Resources Corpor	ation
Plant	Name	Reeves Waha Natural Gas Compressor Station		Unit Name		
		3320652 2693 County Road 102,1/2 Mile		Phone	+1 432 332 2191	
City	//State	East to Station Road North Pecos, Texas 79772 U.S.A.		Zone/County	TX*06, Reeves	
Project Respons	sibility	Project Company			Project Contact	
• •		WhiteWater Midstream			Caleb Ryan	
		100 Congress Street			Operations Director	
		Austin, Texas 78701			[Tel.] +1 512 953 2105	
		U.S.A.			[LinkedIn] caleb-ryan-p-e	-39570229
Project Di	iroctor	WhiteWater Midstream			Glenn Kellison	00010220
Project Di	rector					
		100 Congress Street			Engineering Director	
		Austin, Texas 78701			[Tel.] +1 512 953 2100	
		U.S.A.			[LinkedIn] glenn-kellison-	36aba4135
	G/C	Pumpco Incorporated			Derek Kieschnick	
		P O Box 742			Project Estimator	
		Giddings, Texas 78942			[Tel.] +1 979 542 9054	
		U.S.A.			[E-Mail] derek.kieschnick	@pumpco.cc
	G/C	Strike Construction LLC			Mitchell Stockert	· · ·
		1800 Hughes Landing Boulevard, S	Suite 500		Senior Project Estimator	
		The Woodlands, Texas 77380			[Tel.] +1 888 353 1444	
						actrikouse com
		U.S.A.			[E-Mail] mitchell.stockert	@stnkeusa.com
	G/C	Troy Construction LLC			Matthew Brannon	
		260 Mount Olive Church Road			Project Estimator	
		Commerce, Georgia 30529			[Tel.] +1 706 336 0063	
		U.S.A.			[E-Mail] mbrannon@troyo	construction.com
PEC® 1	Fiming	C1		PEC® Activity	Completion/Start-Up	
Project Prob	ability	Completed (100%)				
		Whistler Pipeline LLC (consortium Incorporated) awards Troy Constru- and proceeds with Construction on Project from the Permian Basin, ins miles of 12"), Navitas Lateral (5.18 12"), WTG Sonora Lateral (5.1 mile from an interconnect with the Waha REQUIRES: Trenching, Excavating MCC Mods, Pig Launching & Rece Detection, (L) Containment.	ction (G/C) (Spread 1) a Grassroot Natural G stall 450 Miles of 42" d miles of 16"), Targa D es of 12") and JEB Latt a Header near Coyanc g, 42" Diameter Transr iving, Block/Control Va), Strike LLC (G Gas Pipeline. DE liameter transmi priver Lateral (.2 eral (1.10 miles usa, TX to NextE mission Pipe, Ca alves, Utilities an	(C) (Spread 2) and Pumpo TAILS: As part of the 450 ssion pipeline to include th 3 miles of 12"), Pembrook of 12") to transport up to 2 Fra's Agua Dulce Market H athodic Protection, Custod nd Controls. ENVIRONME	to (G/C) (Spreads 3 & 4 -Mile Whistler Pipeline he Rebel Lateral (4.10 Lateral (3.50 miles of 2 Bcf/d of natural gas lub in Agua Dulce, TX. y Transfers, Coatings, NTAL: (A) Leak
		Whistler Pipeline in Conjunction wit continues to release remaining Equ (Sep). Construction Commenced K Apr-2020 No current impact.	ipment RFQ's and Bio	d Documents plu	us review and select Subc	
		AFE 202003	Sub Bid Doc 2020	09 C	ompletion 31-Jul-2021	Precision QUARTER
Project Milestones	.ong-Le	ad 201810 Equip RFQ 202106	Kick-Off 2020		f Slippage 9 Months	Duration 14 Months
Engineering						
Contracting		Electrical	1	nstrumentation	Mechanical	
Project Key Needs Civil/Site			Control Room			
Instrumer	ntation	Electrical Mechanical			NDE	
Piping/Fit		Insulation/Coatings Environmental	Utilities		Pumps	
	35					

Exhibit GPLDC-1b Transportation

Communications

Matter Phase Gas Energy

Buy Electricity

Sell

Project Fuel Type Natural Gas

Plant Standard Contacts						
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID			
Plant Manager	Paul Ivey	[Phn.] +1 432 943 4492 x229 / [Alt.] +1 432 557 0306	Apr-2023			
	pivey@targaresources.com	No	paul-ivey-a34589101			
Maintenance Manager	Jordan Hood	[Phn.] +1 713 584 1000	Apr-2023			
	jhood@targaresources.com	No	jordan-hood-777477104			
Purchasing Manager	Paul Ivey	[Phn.] +1 432 943 4492 x229 / [Alt.] +1 432 557 0306	Apr-2023			
Plant Manager	pivey@targaresources.com	No	paul-ivey-a34589101			
Engineering Manager	Paul Ivey	[Phn.] +1 432 943 4492 x229 / [Alt.] +1 432 557 0306	Apr-2023			
Plant Manager	pivey@targaresources.com	No	paul-ivey-a34589101			
Environmental Manager	Cal Wrangham	[Phn.] +1 432 688 0542	Apr-2023			
ES&H Manager		No	Duplicate ID			
Safety Manager	Cal Wrangham	[Phn.] +1 432 688 0542	Apr-2023			
ES&H Manager		No	Duplicate ID			
Utilities Manager	Paul Ivey	[Phn.] +1 432 943 4492 x229 / [Alt.] +1 432 557 0306	Apr-2023			
Plant Manager	pivey@targaresources.com	No	paul-ivey-a34589101			
Human Resource Manager	Moira O'Toole	[Phn.] +1 713 584 1000	Apr-2023			
		No	moira-o-toole-b0181b51			
Historical Reports						

	listorical Reports		
Project Name	Report Date	τιν	Phase
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	15-Aug-2018	725,000,000 USD	Economic Evaluation (P1 - 04)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	14-May-2019	725,000,000 USD	Preliminary Engineering (E2 - 22)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	14-Jun-2019	725,000,000 USD	Preliminary Engineering (E2 - 22)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	31-Oct-2019	725,000,000 USD	Preliminary Engineering (E2 - 22)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	27-Nov-2019	725,000,000 USD	Permitting (P2 - 18)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	16-Dec-2019	725,000,000 USD	Permitting (P2 - 18)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	25-Mar-2020	725,000,000 USD	Planning and Scheduling (E2 - 25)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	13-Apr-2020	725,000,000 USD	Planning and Scheduling (E2 - 25)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	15-Jun-2020	725,000,000 USD	Planning and Scheduling (E2 - 25)
REEVES WAHA WHISTLER GRASSROOT NATURAL GAS PIPELINE	06-Aug-2020	725,000,000 USD	Construction - Merit Shop (C1 - 36)
WHISTLER GRASSROOT NATURAL GAS PIPELINE	22-Jan-2021	725,000,000 USD	Construction - Merit Shop (C1 - 36)
WHISTLER GRASSROOT NATURAL GAS PIPELINE	27-Jul-2021	725,000,000 USD	Construction - Merit Shop (C1 - 36)
WHISTLER GRASSROOT NATURAL GAS PIPELINE	02-Aug-2021	725,000,000 USD	Completion/Start-Up (C1 - 41)

pital PEC Report		Project ID: 3005148
Project Name Umbrella Project Name	ENTERPRISE GRASSROOT MIDLAND TO ECHO MIDLAND TO ECHO 3	III (M2E3) CRUDE OIL PIPELI PEC Activity Diag Umbrella Project Court
Umbrella Project Summary	Enterprise will build the Midland to ECHO 3 502 mile the Regulatory and ROW phase. Kick-off is expected	pipeline from Midland, TX to Harris County, Tx. M2E3 is currently i d early 2020 with an in service date of Mid 2021.
-	03 Oil & Gas Pipelines	Project Type Grassroot
	950,000,000	- Contraction of the second se
SIC Product	4612 Crude Petroleum Pipelines 4612*0001 Crude Oil Pipelines	Sector Crude Pipelines
		5-Jan-2021 Initial Release 04-Apr-2019 nstruction Labor Preference Unconfirmed Operations Labor Preference Non-Union
Project Capacity		
stallation Tuna	Pipeline Installation De Pipeline Length Unit of Measure	
stallation Type	500 Miles (mi)	Pipeline Diameter Unit of Measure 16 Inches (in)
Plant Name	Enterprise Products Partners LP Midland Crude Oil Pump Station 3116074	Plant Parent Enterprise Products Partners LP Unit Name
Location	4500 East Highway 80	Phone +1 432 221 7700
City/State	Midland, Texas 79706 U.S.A.	Zone/County TX*06, Midland
Project Responsibility	Project Company	Project Contact
Project Executive	Enterprise Products Partners LP	Graham Bacon
	1100 Louisiana Street, Suite 1000	Executive VP of Operations & Engineering
	Houston, Texas 77002	[Tel.] +1 713 381 6500
	U.S.A.	[E-Mail] gbacon@eprod.com
Project Executive	Enterprise Products Partners LP	Kevin Ramsey
	PO Box 4324	VP Capital Projects
	Houston, Texas 77210-4324	[Tel.] +1 713 381 6500
	U.S.A.	[E-Mail] keramsey@eprod.com ; [LinkedIn] ke ramsey-61491013
Project Manager	Enterprise Products Partners LP	Brad Cooley
i rojeot manager	PO Box 4324	Senior Manager Environmental
	Houston, Texas 77210-4324	[Tel.] +1 713 381 6500
	U.S.A.	[E-Mail] bjcooley@eprod.com ; [LinkedIn] brad cooley-02928423
Project Manager	Enterprise Products Partners LP	Randy Wiggins
	PO Box 4324	Project Manager
	Houston, Texas 77210-4324	[Tel.] +1 713 381 6500
	U.S.A.	[E-Mail] rwiggins@eprod.com
G/C	Pumpco Incorporated	Derek Kieschnick
	P O Box 742	Project Estimator
	Giddings, Texas 78942 U.S.A.	[Tel.] +1 979 542 9054
010		[E-Mail] derek.kieschnick@pumpco.cc
G/C	Primoris Services Corporation 2100 McKinney Avenue Suite 1500	Matt Peterman Project Manager
	Dallas, Texas 75201	[Tel.] +1 214 740 5600
	U.S.A.	[E-Mail] mpeterman@prim.com
G/C	Primoris Services Corporation	Jason Denham
6,6	2100 McKinney Avenue Suite 1500	Superintendent
	Dallas, Texas 75201	[Tel.] +1 214 740 5600
	U.S.A.	[E-Mail]
G/C	Troy Construction LLC	Tim Johnson
	P O Box 450862	Field Superintendent
	Houston, Texas 77245	[Tel.] +1 281 437 8214
	U.S.A.	[E-Mail] tjohnson@troyconstruction.com
G/C	MPG Pipeline Contractors LLC	Bruce Ainsworth
	16770 Imperial Valley, Suite 105	Operations Manager
	Houston, Texas 770660	[Tel.] +1 713 904 1168
	U.S.A.	[E-Mail] bainsworth@mpg-plc.com
PEC® Timing		PEC® Activity Completion/Start-Up
Project Probability		
Scope		tion (Spread 1 & 2 Pipeline Contractor), Pumpco Incorporated (Spre oration (Spreads 4 & 7 Pipeline Contractor) and MPG Pipeline

takeaway capacity from Enterprise Products' Sealty Storage Protection, Pig Launching, Coatings, Metering, Control/BioX Valves plus Controls, 80 Tenparation, 80 Tensinsion Pige, Candoid Protection, Pig Launching, Coatings, Metering, Control/BioX Valves plus Controls RocKlord Corporation and MPG Prediction, Pig Launching, Coatings, Metering, Control/BioX Valves plus Controls RocKlord Corporation and MPG Pigeline Contracts continues Mit Construction, Pumpco Incorporated, Primoris RocKlord Corporation and MPG Pigeline Contracts continues Mit Construction, Pumpco Incorporated, Primory Censtruction, Pumpco Incorporated, Pigeline Contracts continues Mit Construction Commenced 1020 (Feb). Scheduled Project Completion 1021 (Jan). Project Milestones AFE 20200 Kick-OH 202002 Kick-OH 202002 Valves Mit Montry Kick-OH 2020(Feb). Scheduled Project Completion 1021 (Gro) Project Milestones Electrical Environmental Instrumentation Mechanical (Gro) Duration 11 Montrs Buy Sell Electrical Mechanical Project Kie Meds Piger February Pint Standard Company Construction 200 (February) Construction 200 (February) Project Fuel Type Crude Oit Plant Standard 142 201173 Feb-2023 Feb-2023 Project Fuel Type Crude Oit Pipelone/One Rot								
Schedule Enterprise Products Partners LP with Tray Construction, Pumpoe Incorporated, Primoris Rockford Corporation 1240 (PE). Enterprise with Tory Construction Pumpoe Incorporation Pumpoe Inco	Facility (Plant ID 3014032) near Houston. REQUIRES: Trenching, Site Preparation, 30" Transmission Pipe, Cathodic Protection, Pig Launching, Coatings, Metering, Control/Block Valves plus Controls. ENVIRONMENTAL: (A) Leak							
Project Milestone Long-Lead 201900 Equip RFQ 202004 Kick-Off 20202 Kickoff Sippage 4 Months Duration 11 Months Engineering Contracting Civi Electrical Environmental Instrumentation Mechanical (GC) Project Key Needs Civi/Site Instrumentation Electrical Pipol/Fittings insulation/Coatings Environmental Mechanical Mechanical Secondary Secondary Matter Phase Bell Sell Liquid Mechanical Mechanical Secondary Secondary Secondary Project Fuel Type Cluquid Functional/Actual Tite Context Name/E-mail Telephone/On-site OC Date/Linkedin ID Functional/Actual Tite Context Name/E-mail Telephone/On-site QC Date/Linkedin ID Secondary	s	Schedule Enterprise Products Partners LP with Troy Construction, Pumpco Incorporated, Primoris Rockford Corporation and MPG Pipeline Contractors continues with Construction 1Q20 (Feb). Enterprise with Troy Construction, Pumpco Incorporated, Primoris Rockford Corporation, and MPG Pipeline Contractors releases remaining RFQs and Subcontractor Bid Documents 2Q20 (Apr) through 3Q20 (Aug). Construction Commenced 1Q20 (Feb). Scheduled Project Completion 1Q21						
Engineering Contracting Civil Electrical Environmental Instrumentation Mechanical [G/C] Duration 11 Months Project Key Needs Divisoper Needs Divisoper Needs Divisoper Needs Seli Civil/Site Instrumentation Electrical Instrumentation Electrical Project Fuel Type Mechanical Divisoper Needs Divisoper Needs Divisoper Needs Seli Mechanical Project Fuel Type Mechanical Project Fuel Type Mechanical Divisoper Needs Divisoper Needs Seli Mechanical Project Fuel Type Mechanical Project Fuel Type Mechanical Divisoper Needs Seli Mechanical Project Fuel Type Mechanical Project Fuel Type Mechanical Divisoper Needs Seli Mechanical Project Fuel Type Mechanical Project Project Mechanical Project Fuel Type Mechanical Project			AFE 202001 Sub Bid I	Doc 202008	Completion 28-Dec-2020	Precision MONTH		
Contracting Civil/Sile Instrumentation Electrical Instrumentation Environmental Mechanical Instrumentation Contracting	Project milestones	Long-Lead 201909 Equip	RFQ 202004 Kick-	Off 202002	Kickoff Slippage 4 Months	Duration 11 Months		
Froject Key Needs Civil/Site Instrumentation Electrical Pring/Fittings Insulation/Coeffings Environmental Pring/Fittings Insulation/Coeffings Environmental Project Key Needs Civil/Site Pring/Fittings Insulation/Coeffings Environmental Pring/Fittings Insulation/Coeffings Environmental Project Key Needs Civil/Site Pring/Fittings Insulation/Coeffings Environmental Pring/Fittings Insulation/Coeffings Environmental Project Key Needs Civil/Site Pring/Fittings Insulation/Coeffings Environmental Pring/Fittings Insulation/Coefficient Biology Biology	Engineering							
InstrumentationElectrical Piping/FittingMechanical Piping/FittingMatter Phase Energy Buy SellLiquidEnergy Buy SellLiquidBrozerElectrical SellProject Fuel TypeC	Contracting Civ	vil Electrical	Environmental	Ir	nstrumentation Mechanical			
PiperyFitting Insulation/Cast Matter Phase Lipdity Burgy Support Burgy Support Burgy Support Burgy Support Support Support Prior Cast Prior Financia (Cast Prior Support) Functional/Actualitie Catat Name/F-mail PlonPo/On-Site Functional/Actualitie Catat Name/F-mail PlonPo/On-Site Tamoria (Cast Prior Support) Rahon (Cast Prior Support) PlonPo/On-Site Matter Phase Rahon (Cast Prior Support) PlonPo/On-Site PlonPo/On-Site Prior Support (Cast Prior Support) Rahon (Cast Prior Support) PlonPo/On-Site PlonPo/On-Site Prior Support (Cast Prior Support) Rahon (Cast Prior Support) Rahon (Cast Prior Support) Rahon (Cast Prior Support) Prior Support (Cast	Project Key Needs Civ	/il/Site						
Energy Buy soil Buy soll Project Fuel Type Crude Oil Plant Standard Curve Project Fuel Type Crude Oil Plant Standard Curve Functional/Actual Title Contact Name/En Telephone/On-site (Phn.] +1 432 250 1173 C Data/LinkedIn ID Plant Manager ramorris@eprod.com IPhn.] +1 432 250 1173 Feb-2023 Maintenance Manager Supervisor Rex Morsey [Phn.] +1 432 261 2600 x3 Purchasing Manager Pipeline Operation Supervisor morsey@eprod.com No Purchasing Manager Pipeline Operation Supervisor Rex Morsey [Phn.] +1 432 681 2600 x3 Feb-2023 rex-morsey-04566756 Purchasing Manager Pipeline Operation Supervisor No rex-morsey-04566756 Purchasing Manager Pipeline Operation Supervisor Rex Morsey [Phn.] +1 432 281 27746 Feb-2023 Environmental Manager Scientid Scientid Scientid Chistopher Spore [Phn.] +1 432 221 7746 Feb-2023 Safety Manager Pipeline Operation Scientid Spore@eprod.com No christopher-spore-p-g-61320b22 Safety Manager Pipeline Operation Scientid Spore@eprod.com No christopher-spore-p-g-61320b22 Utilities Manager Pipeline Operation Scientid								
Buy Sell Project Fuel Type Curue OI Plant Maris Plant Standard Curat Plant Maris Plant Maris <th>Matter Phase</th> <th>Liquid</th> <th></th> <th></th> <th></th> <th></th>	Matter Phase	Liquid						
Self Project Fuel Type Crud Project Fuel Type Crud Plant Standard	Energy							
Self Project Fuel Type Crud Project Fuel Type Crud Plant Standard	•••							
Project Fuel Type Crude Oil Plant Standard Colspan="2">Colspan="2"Colspan="2">Colspan="2"Cols	•							
Plant Standard ContactsFunctional/Actual Title Contact Name/E-mailTelephone/On-siteQC Date/LinkedIn IDPlant MangerRalph Morris[Phn.] +1 432 250 1173Feb-2023marris@eprod.comNoFeb-2023Maintenance MangerRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorrmorsey@eprod.comNorex-morsey-04566756Purchasing MangerRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Engineering Manager SupervisorRex Morsey[Phn.] +1 432 221 7746Feb-2023Environmental Manager Scientistchristopher Spore[Phn.] +1 432 221 7746Feb-2023Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Human Resource Manager SupervisorMorsey@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Human Resource Manager Mursey@eprod.								
Functional/Actual TitleContact Name/E-mailTelephone/On-siteQC Date/Linkedin IDPlant ManagerRalph Morris ramorris @eprod.com[Phn.] +1 432 250 1173 NoFeb-2023Maintenance ManagerRex Morsey[Phn.] +1 432 681 2600 x3 rex-morsey-04566756Feb-2023Purchasing ManagerRex Morsey[Phn.] +1 432 681 2600 x3 rex-morsey-04566756Feb-2023Purchasing ManagerRex Morsey[Phn.] +1 432 681 2600 x3 rex-morsey-04566756Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Engineering Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3 rex-morsey-04566756Feb-2023Engineering Manager Supervisorchristopher Spore[Phn.] +1 432 221 7746Feb-2023Engineering Manager Supervisorchristopher Spore[Phn.] +1 432 221 7746Feb-2023Lead Field Environmental Scientistchristopher Spore[Phn.] +1 432 221 7746Feb-2023Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorhmorsey@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisoRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023 <tr< th=""><th></th><th></th><th>Plant Standard Co</th><th>ntacte</th><th></th><th></th></tr<>			Plant Standard Co	ntacte				
Plant Manager ramorris@eprod.com[Phn.] +1 432 250 1173 NoFeb-2023Maintenance Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3 rex-morsey-04566756Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Purchasing Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3 rex-morsey-04566756Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Pipeline Operation Supervisorrhmorsey@eprod.comNochristopher-spore-p-g-61320b22Environmental Manager Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Safety Manager Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager Supervisorrex-Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Scientistrex-morsey-04566756rex-morsey-04566756Utilities Manager Supervisorrex-Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorrex-morsey-04566756rex-morsey-0456675	Functional/Actual Title	Contact Name/E-mail			In ID			
Image: NoNoMaintenance Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3 Feb-2023Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Purchasing Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3 Feb-2023Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Engineering Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3 Feb-2023Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Engineering Manager SupervisorRex Morsey[Phn.] +1 432 221 7746Feb-2023Pipeline Operation SupervisorNochristopher-spore-p-g-61320b22Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisorPhn.] +1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorNochristopher-spore-p-g-61320b22Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorNochristopher-spore-p-g-61320b22Lead Field Environmental ScientistCspore@eprod.comNochristopher sporePipeline Operation SupervisorNochristopher spore-p-g-61320b22 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Maintenance Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Purchasing Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Purchasing Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorhmorsey@eprod.comNorex-morsey-04566756Engineering Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Engineering Manager SupervisorChristopher Spore[Phn.] +1 432 221 7746Feb-2023Environmental Manager ScientistChristopher Spore[Phn.] +1 432 281 2600 x3Feb-2023Ead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Human Resource Manager Martiman @eprod.comNorex-morsey-04566756RexNorex-morsey-04566756RexRexRexHuman Resource Manager Martiman @eprod.comNorex-morsey-04566756RexNorex-morsey-04566756RexRexRexRexMorsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorNorex-morsey-04566756Norex-morsey-04566756RexRexNorex-morsey-04566756RexNorex-morsey-04566756Rex<	r lant managor	•		1 00 2020				
Pipeline Operation Supervisormonosey@eprod.comNorex-monosey-04566756Purchasing Manager SupervisorRex MorseyPhn.J + 1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex MorseyIPhn.J + 1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex MorseyIPhn.J + 1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex MorseyIPhn.J + 1 432 221 7746Feb-2023Pipeline Operation SupervisorChristopher SporeIPhn.J + 1 432 221 7746Feb-2023Pipeline Operation SupervisorSofor@eprod.comNochristopher-spore-p-g-f1320b22Pipeline Operation SupervisorChristopher SporeIPhn.J + 1 432 221 7746Feb-2023Pipeline Operation SupervisorSofor@eprod.comNochristopher-spore-p-g-f1320b22Pipeline Operation SupervisorRex MorseyIPhn.J + 1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex MorseyIPhn.J + 1 4	Maintonanco Managor	•		Eab-2023				
Purchasing Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Engineering Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Engineering Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Environmental Manager Christopher Spore[Phn.] +1 432 221 7746Feb-2023Environmental Scientiat Scientiatcspore@eprod.comNochristopher-spore-p-g-61320b22Ead Field Environmental Scientiatcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Human Resource Manager ManagerRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex Morsey[Phn.] +1 133 261 2600 x3Feb-2023Human Resource Manager Manage prod.comNocex-morsey-04566756Human Resource Manager Manage prod.comNorex-morsey-04566756Human Resource Manager Managerod.comMority +1 1713 381 6500 NoFeb-2023Human Resource Manager Mana@eprod.com[Phn.] +1 713 381 6500 NoFeb-2023Human @eprod.comNomarilyn-hartman-349ab645			[F111.] +1 432 001 2000 X3	Feb-2023				
Pipeline Operation Supervisorhmorsey@eprod.comNorex-morsey-04566756Engineering Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorrhmorsey@eprod.comNorex-morsey-04566756Environmental Manager ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Environmental Scientist Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Safety Manager Lead Field Environmental ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 221 7746Feb-2023Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Human Resource Manager Mana@eprod.comNorex-morsey-04566756Human Resource Manager Mana@eprod.comNorex-morsey-04566756Nomarilyn-hartman-349ab645	-		No	rex-morsey-0456	66756			
Engineering Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisorhmorsey@eprod.comNorex-morsey-04566756Environmental Manager Lead Field Environmental ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Safety Manager Lead Field Environmental ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Mochristopher-spore-p-g-61320b22christopher-spore-p-g-61320b22christopher-spore-p-g-61320b22Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Human Resource Manager Martman @eprod.comNocex-morsey-04566756Human Resource Manager Martman @eprod.com[Phn.] +1 713 381 6500Feb-2023 marilyn-hartman-349ab645			[Phn.] +1 432 681 2600 x3	Feb-2023				
Pipeline Operation Supervisonhmorsey@eprod.comNorex-morsey-04566756Environmental Manage Lead Field Environmental ScientisiChristopher SporePhn.] +1 432 221 7746Feb-2023Safety Manage Lead Field Environmental ScientisiChristopher SporePhn.] +1 432 221 7746Feb-2023Safety Manage Lead Field Environmental ScientisiChristopher SporePhn.] +1 432 221 7746Feb-2023Lead Field Environmental ScientisiChristopher SporePhn.] +1 432 221 7746Feb-2023Lead Field Environmental ScientisiRex MorseyPhn.] +1 432 681 2600 xFeb-2023Pipeline Operation SupervisoNoFeb-2023rex-morsey-04566756Human Resource Manage minartman@eprod.comPhn.] +1 713 381 6500 NoFeb-2023 mariyn-hartman-349ab645	Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-0456	66756			
Environmental Manager Lead Field Environmental ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Safety Manager Lead Field Environmental 	Engineering Manager	Rex Morsey	[Phn.] +1 432 681 2600 x3	Feb-2023				
Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Safety Manager Lead Field Environmental ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Norex-morsey-04566756rex-morsey-04566756Human Resource Manager mhartman@eprod.com[Phn.] +1 713 381 6500 NoFeb-2023 marilyn-hartman-349ab645	Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-0456	66756			
Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Safety Manager Lead Field Environmental ScientistChristopher Spore[Phn.] +1 432 221 7746Feb-2023Lead Field Environmental 	Environmental Manager	Christopher Spore	[Phn.] +1 432 221 7746	Feb-2023				
Safety ManagerChristopher Spore[Phn.] +1 432 221 7746Feb-2023Lead Field Environmental Scientistcspore@eprod.comNochristopher.spore-p-g-61320b22Utilities ManagerRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Pipeline Operation Supervisornmorsey@eprod.comNorex-morsey-04566756Human Resource Manager mhartman@eprod.com[Phn.] +1 713 381 6500Feb-2023 marilyn-hartman-349ab645	-		No	christopher-spor	e-p-g-61320b22			
Lead Field Environmental Scientistcspore@eprod.comNochristopher-spore-p-g-61320b22Utilities Manager Pipeline Operation SupervisorRex Morsey[Phn.] +1 432 681 2600 x3Feb-2023Norex-morsey-04566756rex-morsey-04566756Human Resource Manager mhartman@eprod.com[Phn.] +1 713 381 6500 NoFeb-2023 marilyn-hartman-349ab645			[Phn.] +1 432 221 7746	Feb-2023				
Utilities Manager Rex Morsey [Phn.] +1 432 681 2600 x3 Feb-2023 Pipeline Operation Supervisor rhmorsey@eprod.com No rex-morsey-04566756 Human Resource Manager Marilyn Hartman meprod.com [Phn.] +1 713 381 6500 Feb-2023 No Feb-2023 Feb-2023 Bernard Supervisor Marilyn Hartman metrod.com Feb-2023 Bernard Supervisor Marilyn Hartman metrod.com Feb-2023 Bernard Supervisor Feb-2023 Feb-2023 Bernard Supervisor								
Pipeline Operation Supervisor rhmorsey@eprod.com No rex-morsey-04566756 Human Resource Manager Marilyn Hartman mhartman@eprod.com [Phn.] +1 713 381 6500 Feb-2023 marilyn-hartman-349ab645					e-p-g-61320b22			
Human Resource Manager Marilyn Hartman [Phn.] +1 713 381 6500 Feb-2023 mhartman@eprod.com No marilyn-hartman-349ab645	-		[Pnn.] +1 432 681 2600 x3	Feb-2023				
mhartman@eprod.com No marilyn-hartman-349ab645	Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-0456	66756			
	Human Resource Manager	Marilyn Hartman	[Phn.] +1 713 381 6500	Feb-2023				
Historical Reports		mhartman@eprod.com	No	marilyn-hartman	-349ab645			
			Historical Repo	orts				

Project Name	Report Date	τιν	Phase
ENTERPRISE GRASSROOT MIDLAND TO ECHO III CRUDE OIL PIPELINE	04-Apr-2019	1,800,000,000 USD	Permitting (P2 - 18)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III CRUDE OIL PIPELINE	14-Jun-2019	1,800,000,000 USD	Permitting (P2 - 18)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	10-Oct-2019	1,800,000,000 USD	Permitting (P2 - 18)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	14-Oct-2019	950,000,000 USD	Permitting (P2 - 18)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	03-Dec-2019	950,000,000 USD	Permitting (P2 - 18)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	04-Mar-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	09-Apr-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	17-Sep-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	30-Sep-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	15-Oct-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	22-Oct-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	13-Nov-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	01-Dec-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)
ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE	24-Dec-2020	950,000,000 USD	Construction - Merit Shop (C1 - 36)

*Any data highlighted in r	od bolow i	s data that has hos	n addad ar un	dated in the last role	aso of the p		
Capital PEC Report		s data that has bee					Project ID: 300529723
T Proj	ect Name	SAN ANGELO GRAS	SROOT CRUDE	OIL PUMP STATION	3		PEC Activity Diagram
Umbrella Proj	ect Name	MIDLAND TO ECHO	3				Umbrella Project Count 6
Umbrella Project				HO 3 502 mile pipeline off is expected early 20			ty, Tx. M2E3 is currently in 2021.
	•	03 Oil & Gas Pipeline	S	Pi	roject Type	Grassroot	
	TIV (USD)		- Dis alia a -		O ratan (Number Discoling a	152
		4612 Crude Petroleur 4612*0003 Crude Oil			Sector	Crude Pipelines	
		Complete / Done		ast Update 15-Jan-20	021 Initia	al Release 14-Jun-2	019
Envir	onmental /	Air (A) Land (L)				ference Unconfirme ference Non-Union	
Pla	nt Owner	Enterprise Products F	artners LP	Р	Plant Parent E	Enterprise Products	Partners LP
PI		San Angelo Pump Sta	ation 3		Unit Name S	San Angelo Pump St	tation 3 03 EM
	Plant ID 3				Dhana	-1 713 381 6500	
		Near San Angelo San Angelo, Texas 76	901 U.S.A.	Zc		X*06, Tom Green	
	-	Project Company				roject Contact	
• •	-	Enterprise Products F	artners LP			Graham Bacon	
		1100 Louisiana Stree	t, Suite 1000				erations & Engineering
		Houston, Texas 7700	2			Tel.] +1 713 381 650	
Dusiasi		U.S.A.	anta ana L D			E-Mail] gbacon@ep	rod.com
Project	-	Enterprise Products F PO Box 4324	artners LP			Kevin Ramsey /P Capital Projects	
		Houston, Texas 7721	0-4324			Tel.] +1 713 381 650	00
		U.S.A.			•	•	eprod.com ; [LinkedIn] kevin-
						amsey-61491013	
Project	-	Enterprise Products F	artners LP			Randy Wiggins	
		PO Box 4324 Houston, Texas 7721	0-4324			Project Manager Tel.] +1 713 381 650	20
		U.S.A.	0 4024		-	E-Mail] rwiggins@er	
	G/C	Pumpco Incorporated				Derek Kieschnick	
		P O Box 742			F	Project Estimator	
		Giddings, Texas 7894	2		-	Tel.] +1 979 542 90	
		U.S.A. NorthStar Energy Ser	viceo		-	E-Mail] derek.kiesch Sam Foster	inick@pumpco.cc
		15025 East Freeway	vices			Project Controls Mar	ager
		Channelview, Texas 7	7530			Tel.] +1 281 452 23	•
		U.S.A.			[E-Mail] sfoster@nse	es.com
		NorthStar Energy Ser	vices			Benny Flores	
		15025 East Freeway Channelview, Texas 7	7520			Project Manager	56
		U.S.A.	7550		-	Tel.] +1 281 452 235 E-Mail] bflores@nse	
PEC	® Timing			PE	-	Completion/Start-Up	
	•	Completed (100%)				· · · · · ·	
				ct Partners LP with Pu			
							land-to-ECHO 3 Grassroot e Permian Basin, construct
	1	building and install (1)	3,000 hp electri	c-drive pump package	with auxiliary	equipment to suppo	ort Enterprise grassroot 502-
							/d (expandable to 450,000 g, Electric-Driven Pump
	1	Package, SCADA, M	CC Mods, Contro				ENVIRONMENTAL: (A)
		Leak Detection; (L) C			and North Ctor		ntinues with Construction
							ntinues with Construction Mar)-3Q20 (Aug). Expected
	(Construction Kick-Off	1Q20 (Mar). Co	nstruction Completion 1	1Q21 (Jan).		
Project Milestones			AFE 202001	Sub Bid Doc 202008		pletion 28-Dec-2020	Precision YEAR
	Long-Lea	d 201909 Equip I	RFQ 202003	Kick-Off 202003	Kickoff S	lippage 0 Months	Duration 10 Months
Engineering		Electrical	Environmentel		Instrumente	tion Mechanical	Structural
Contracting Project Key Needs		Electrical	Environmental	Control Room	matumenta	tion Mechanical	Structural
	trumentatio	n Electrical	Mechanical		Storage		
•	ing/Fittings	v	s Environmental	Utilities	Valves	Pumps	
Co	mmunicatio					Transportation	
Matter Phase		Material Handling Liquid					Vapor
Energy		Liquid					v upor
Lifergy							

75,000,000 USD Completion/Start-Up (C1 - 41)

Buy Electricity Sell

Project Fuel Type Crude Oil

Project Fuel Type Crue	de Oil					
			Plant Standard Contacts			
Functional/Actual Title		-		QC Date/LinkedIn ID		
Plant Manager Pipeline Supervisor	•		806 848 2603	Jan-2023 roger-belveal-90baaba	Jan-2023	
	•	No	000 040 0000	•	1	
Maintenance Manager	rbelveal@eprod.com	[Pnn.] + I No	806 848 2603	Jan-2023 roger-belveal-90baaba	7	
Purchasing Manager	•	-	806 848 2600 x1	Jan-2023		
	rbelveal@eprod.com	No	000 040 2000 X1	roger-belveal-90baaba	7	
Engineering Manager	•		806 848 2603	Jan-2023		
• • •	rbelveal@eprod.com	No		roger-belveal-90baaba	7	
Environmental Manager	Jon Fields	[Phn.] +1	713 381 6500 / [Alt.] +1 281 50	1 4078 Jan-2023		
		No		jon-fields-12b6413a		
Safety Manager	Jeff Hoffstadt	[Phn.] +1	210 528 3252	Jan-2023		
		No		jeff-hoffstadt-27496b32	2	
Utilities Manager	U U	veal [Phn.] +1 806 848 2603		Jan-2023	Jan-2023	
Pipeline Supervisor	rbelveal@eprod.com	No		roger-belveal-90baaba	roger-belveal-90baaba7	
Human Resource Manager		[Phn.] +1	713 381 6500	Jan-2023		
Director of Human Resources	egalvan@eprod.com	No		esmeralda-galvan-a7b	esmeralda-galvan-a7b92a4	
			Historical Reports			
Project Name			Report Date	TIV	Phase	
ECHO GRASSROOT CRUD	E OIL PUMP STATION	3	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)	
ECHO GRASSROOT CRUD	E OIL PUMP STATION	3	04-Nov-2019	75,000,000 USD	Permitting (P2 - 18)	
ECHO GRASSROOT CRUD	E OIL PUMP STATION	3	03-Dec-2019	75,000,000 USD	Permitting (P2 - 18)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	05-Mar-2020	75,000,000 USD	Detailed Engineering (E2 - 31)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	25-Mar-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	17-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	30-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	15-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	22-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	13-Nov-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	01-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	
SAN ANGELO GRASSROO	T CRUDE OIL PUMP ST	TATION 3	24-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)	

 SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3
 15-Jan-2021

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				DIL GPLDC-TD
lata highlighted in red belo al PEC Report	w is data that has been adde	d or updated in the last	release of the project	Project ID: 3005297
-	NE AUSTIN MIDLAND TO ECHC NE MIDLAND TO ECHO 3	3 GRASSROOT CRUDE	OIL PUMP STATION 05	PEC Activity Diagra Umbrella Project Coun
Umbrella Project Summa	ry Enterprise will build the Midlar the Regulatory and ROW pha			is County, Tx. M2E3 is currently ir e of Mid 2021.
Industry Co	le 03 Oil & Gas Pipelines		Project Type Grassroot	
	D) 75,000,000			- the second sec
	de 4612 Crude Petroleum Pipelir		Sector Crude Pipelir	
	ct 4612*0003 Crude Oil Pump S s Complete / Done	tations Last Update 15-Ja	n-2021 Initial Release 1	4 Jun 2010
Environment	al Air (A) Land (L)	Constr	ations Labor Preference Nor	confirmed
Project Capaci	-	400,000 BBL/d of Crude Oil		
	er Enterprise Products Partners	LP	Plant Parent Enterprise Pr	
	ne Austin Pump Station 5		Unit Name Austin Pump	Station 5 05 EM
	on Near Austin		Phone +1 713 381 6	500
	te Austin, Texas 78736 U.S.A.		Zone/County TX*03, Travis	
Project Responsibili			Project Cont	
• •	ve Enterprise Products Partners	LP	Graham Bac	
	1100 Louisiana Street, Suite	1000	Executive VF	of Operations & Engineering
	Houston, Texas 77002		[Tel.] +1 713	
	U.S.A.		[E-Mail] gbac	con@eprod.com
Project Executiv	e Enterprise Products Partners	LP	Kevin Ramse	
	PO Box 4324		VP Capital P	•
	Houston, Texas 77210-4324 U.S.A.		[Tel.] +1 713	
	0.3.A.		ramsey-6149	msey@eprod.com ; [LinkedIn] kev 11013
Project Manag	er Enterprise Products Partners	LP	Randy Wiggi	
	PO Box 4324		Project Mana	
	Houston, Texas 77210-4324		[Tel.] +1 713	381 6500
	U.S.A.		[E-Mail] rwigg	gins@eprod.com
G	C Pumpco Incorporated		Derek Kiesch	
	P O Box 742		Project Estim	
	Giddings, Texas 78942		[Tel.] +1 979	
	U.S.A.		• •	k.kieschnick@pumpco.cc
G	C NorthStar Energy Services 15025 East Freeway		Sam Foster Project Contr	ole Managor
	Channelview, Texas 77530		[Tel.] +1 281	-
	U.S.A.			er@nses.com
G	C NorthStar Energy Services		Benny Flores	
	15025 East Freeway		Project Mana	
	Channelview, Texas 77530		[Tel.] +1 281	452 2355
	U.S.A.		[E-Mail] bflore	es@nses.com
PEC® Timir	ig C1		PEC® Activity Completion/S	start-Up
-	ty Completed (100%)			
	Grassroot Crude Oil Pump St construct building and install (grassroot 502 Mile pipeline (F	ergy Services (Pump Static ation 5. DETAILS: As part of (1) 3,000 hp electric-drive p Project ID: 300514810) curred d) of crude oil from Sterling e, SCADA, MCC Mods, Co Detection; (L) Containmen	n G/C) performs Detailed Eng of the Midland to Echo 3 Pipeli ump package with auxiliary ec ently being designed to transp City, TX to San Angelo, TX. F ntrol Valves, Flanges, Station	pineering on Midland-to-ECHO 3 ine Project from the Permian Basi quipment to support Enterprise ort up to 400,000 BBL/d REQUIRES: Steel Frame Building, Piping, Utilities and Controls.
	Engineering through 1Q20 (M Services releases remaining f Construction Kick-Off 2Q20 (A	lar). Enterprise Products Pa Equipment RFQs and Subc	artners LP with Pumpco Incorp ontractor Bid Documents 1Q2	
Deta	Is Apr-2020 No current impact.			D
Project Milestones	AFE 202		•	
Long	Lead 201909 Equip RFQ 202			
Engineering Civil Contracting Civil		Environmental Environmental		on Mechanical Structural on Mechanical Structural Gene
				[G/C]
Project Key Needs Civil/S		Control Roo		NDE
		Mechanical Environmental Utilities	Storage Valves	NDE Pumps
			Valves	Transportation

Communications

Transportation

75,000,000 USD Construction - Merit Shop (C1 - 36)

75,000,000 USD Construction - Merit Shop (C1 - 36)

75,000,000 USD Construction - Merit Shop (C1 - 36)

75,000,000 USD Construction - Merit Shop (C1 - 36)

75,000,000 USD Construction - Merit Shop (C1 - 36)

75,000,000 USD Construction - Merit Shop (C1 - 36)

75,000,000 USD Construction - Merit Shop (C1 - 36)

Matter Phase

Energy Buy Sell Material Handling

Liquid

Vapor

Project Fuel Type Crude Oil						
		Plant Standa	rd Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site		QC Date/LinkedIn ID		
Plant Manager	Roger Belveal	[Phn.] +1 806 848 2603		Jan-2023		
Pipeline Supervisor	rbelveal@eprod.com	No		roger-belveal-90baaba	7	
Maintenance Manager	Roger Belveal	[Phn.] +1 806 848 2603		Jan-2023		
Pipeline Supervisor	rbelveal@eprod.com	No		roger-belveal-90baaba	7	
Purchasing Manager	Roger Belveal	[Phn.] +1 806 848 2600 x1		Jan-2023		
Pipeline Supervisor	rbelveal@eprod.com	No		roger-belveal-90baaba	7	
Engineering Manager	Roger Belveal	[Phn.] +1 806 848 2603		Jan-2023		
Pipeline Supervisor	rbelveal@eprod.com	No		roger-belveal-90baaba7		
Environmental Manager	Jon Fields	[Phn.] +1 713 381 6500 / [Alt.] +1 281 501 4078		3 Jan-2023		
		No		jon-fields-12b6413a		
Safety Manager	Jeff Hoffstadt	[Phn.] +1 956 642 6025		Jan-2023		
		No		jeff-hoffstadt-27496b32		
Utilities Manager	Roger Belveal	[Phn.] +1 806 848 2603		Jan-2023		
Pipeline Supervisor	rbelveal@eprod.com	No		roger-belveal-90baaba7		
Human Resource Manager	Esmeralda Galvan	[Phn.] +1 713 381 6500		Jan-2023		
Director of Human Resources	egalvan@eprod.com	No		esmeralda-galvan-a7b92a4		
		Historica	Reports			
Project Name			Report Date	TIV	Phase	
ECHO GRASSROOT CRUD	E OIL PUMP STATION	05	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)	
ECHO GRASSROOT CRUD	E OIL PUMP STATION	05	03-Dec-2019	75,000,000 USD	Permitting (P2 - 18)	
AUSTIN GRASSROOT CRU	AUSTIN GRASSROOT CRUDE OIL PUMP STATION 05			75,000,000 USD	Detailed Engineering (E2 - 31)	

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	01-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	24-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	15- Jan-2021		Completion/Start-Lip (C1 - 41)

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AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 08-Apr-2020

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 13-Apr-2020

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 17-Sep-2020

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 30-Sep-2020

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 15-Oct-2020

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 22-Oct-2020

AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05 13-Nov-2020

*Any data highlighted in red below	is data that has been added	or updated in the last release of the	oroject	
Capital PEC Report			Pro	oject ID: 300529732
Project Name Umbrella Project Name	LONDON GRASSROOT CRUD MIDLAND TO ECHO 3	E OIL PUMP STATION 04	Uml	PEC Activity Diagram prella Project Count 6
Umbrella Project Summary		to ECHO 3 502 mile pipeline from Midlar A Kick-off is expected early 2020 with an i		
-	03 Oil & Gas Pipelines	Project Type	Grassroot	
	75,000,000			1527
	4612 Crude Petroleum Pipeline 4612*0003 Crude Oil Pump Sta		Crude Pipelines	XXX
	Complete / Done		ial Release 14-Jun-2019	
Environmental		Construction Labor Pr Operations Labor Pr	eference Unconfirmed	B
Project Capacity	Planned 40	0,000 BBL/d of Crude Oil		
Plant Owner	Enterprise Products Partners LF	Plant Parent	Enterprise Products Partne	ers LP
Plant Name	London Pump Station 4	Unit Name	London Pump Station 4 04	EM
	3371721			
	Near London		+1 713 381 6500	
-	London, Texas 76854 U.S.A.	·	TX*09, Kimble	
Project Responsibility	Enterprise Products Partners LI		Project Contact Graham Bacon	
Project Executive	1100 Louisiana Street, Suite 10		Executive VP of Operations	s & Engineering
	Houston, Texas 77002		[Tel.] +1 713 381 6500	o a Enginooning
	U.S.A.		[E-Mail] gbacon@eprod.co	m
Project Executive	Enterprise Products Partners LF)	Kevin Ramsey	
	PO Box 4324		VP Capital Projects	
	Houston, Texas 77210-4324		[Tel.] +1 713 381 6500	
	U.S.A.		[E-Mail] keramsey@eprod. ramsey-61491013	com ; [LinkedIn] kevin-
Project Manager	Enterprise Products Partners Lf	0	Randy Wiggins	
r toject manager	PO Box 4324		Project Manager	
	Houston, Texas 77210-4324		[Tel.] +1 713 381 6500	
	U.S.A.		[E-Mail] rwiggins@eprod.co	om
G/C	Pumpco Incorporated		Derek Kieschnick	
	P O Box 742		Project Estimator	
	Giddings, Texas 78942		[Tel.] +1 979 542 9054	
C/C	U.S.A.		[E-Mail] derek.kieschnick@ Sam Foster	pumpco.cc
G/C	NorthStar Energy Services 15025 East Freeway		Project Controls Manager	
	Channelview, Texas 77530		[Tel.] +1 281 452 2355	
	U.S.A.		[E-Mail] sfoster@nses.com	L
G/C	NorthStar Energy Services		Benny Flores	
	15025 East Freeway		Project Manager	
	Channelview, Texas 77530		[Tel.] +1 281 452 2355	
	U.S.A.		[E-Mail] bflores@nses.com	
PEC® Timing		PEC® Activity	Completion/Start-Up	
Project Probability		Product Partners LP with Pumpco Incorr	paratad (Pipalipa C/C and P	ump Station
Scope		gy Services (Pump Station G/C) performs		
	Crude Oil Pump Station 4. DET	AILS: As part of the Midland to Echo 3 Pip	peline Project from the Pern	nian Basin, construct
		electric-drive pump package with auxiliar 4810) currently being designed to transpo		
		City, TX to San Angelo, TX . REQUIRES		
		Control Valves, Flanges, Station Piping, L	Jtilities and Controls. ENVIR	RONMENTAL: (A)
Osh s dala	Leak Detection; (L) Containmer			- O transfirm
Schedule	Activities and releases remaining	⁹ with Pumpco Incorporated and NorthSta g Equipment RFQs and Subcontractor Bi rr). Construction Completion 1Q21 (Jan).		
Project Milestones	AFE 20200	1 Sub Bid Doc 202008 Co	mpletion 28-Dec-2020	Precision YEAR
Project Milestones Long-Le	ad 201909 Equip RFQ 20200	3 Kick-Off 202003 Kickoff	Slippage 0 Months	Duration 10 Months
Engineering Contracting	Electrical Environme	ntal Instrumentation	Mechanical	
Project Key Needs	Electrical Environme	Control Room	moonanica	
Instrumentation	Electrical Mechanica			
Piping/Fittings	Insulation/Coatings Environme	ntal Utilities Valves	Pumps	
Communications			Transportation	
	Material Handling			
Matter Phase	Liquid		Vapo	r

Energy Buy Electricity Sell

Project Fuel Type Crude Oil

	Plant Standard Contacts						
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID				
Plant Manager	Roger Belveal	[Phn.] +1 806 848 2603	Jan-2023				
Pipeline Supervisor	rbelveal@eprod.com	No	roger-belveal-90baaba7				
Maintenance Manager	Roger Belveal	[Phn.] +1 806 848 2603	Jan-2023				
Pipeline Supervisor	rbelveal@eprod.com	No	roger-belveal-90baaba7				
Purchasing Manager	Roger Belveal	[Phn.] +1 806 848 2600 x1	Jan-2023				
Pipeline Supervisor	rbelveal@eprod.com	No	roger-belveal-90baaba7				
Engineering Manager	Roger Belveal	[Phn.] +1 806 848 2603	Jan-2023				
Pipeline Supervisor	rbelveal@eprod.com	No	roger-belveal-90baaba7				
Environmental Manager	Jon Fields	[Phn.] +1 713 381 6500 / [Alt.] +1 281 501 4078	Jan-2023				
		No	jon-fields-12b6413a				
Safety Manager	Jeff Hoffstadt	[Phn.] +1 210 528 3252 / [Alt.] +1 956 642 6025	Jan-2023				
		No	jeff-hoffstadt-27496b32				
Utilities Manager	Roger Belveal	[Phn.] +1 806 848 2603	Jan-2023				
Pipeline Supervisor	rbelveal@eprod.com	No	roger-belveal-90baaba7				
Human Resource Manager	Esmeralda Galvan	[Phn.] +1 713 381 6500	Jan-2023				
Director of Human Resource	egalvan@eprod.com	No	esmeralda-galvan-a7b92a4				
Historical Reports							

Project Name	Report Date	TIV	Phase
ECHO GRASSROOT CRUDE OIL PUMP STATION 04	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT CRUDE OIL PUMP STATION 04	03-Dec-2019	75,000,000 USD	Permitting (P2 - 18)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	05-Mar-2020	75,000,000 USD	Detailed Engineering (E2 - 31)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	25-Mar-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	17-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	30-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	15-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	22-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	13-Nov-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	01-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	24-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
LONDON GRASSROOT CRUDE OIL PUMP STATION 04	15-Jan-2021	75,000,000 USD	Completion/Start-Up (C1 - 41)

					Exhibit G	PLDC-10
data highlighted in red below	is data that has bee	en added or ι	updated in the las	t release of the	e project	
tal PEC Report						Project ID: 3005297
Project Name Umbrella Project Name	MIDLAND TO ECHO MIDLAND TO ECHO		OT CRUDE OIL PUI	MP STATION 1		PEC Activity Diagra Umbrella Project Coun
Umbrella Project Summary					and, TX to Harris County n in service date of Mid 2	
-	e 03 Oil & Gas Pipeline 75,000,000	es		Project Typ	e Grassroot	-
SIC Code	4612 Crude Petroleur 4612*0003 Crude Oil	•	s	Secto	or Crude Pipelines	
Status	Complete / Done Air (A) Land (L)		Last Update 15-		iitial Release 14-Jun-20 Preference Unconfirmed	5
Project Capacity	P	lanned 400 00	Ope 00 BBL/d of Crude C		Preference Non-Union	
	Enterprise Products F				nt Enterprise Products P	artnors I D
	Midland Echo 3 Crud Station 1				e Midland Pump Station	
	3371718					
	4500 East Highway 8				e +1 713 381 6500	
,	Midland, Texas 7970	1 U.S.A.		Zone/Count	y TX*06, Midland	
Project Responsibility Project Manager	 Enterprise Products F 	Partners I P			Project Contact Graham Bacon	
i roject manager	1100 Louisiana Stree				Executive VP of Operation	ations & Engineering
	Houston, Texas 7700				[Tel.] +1 713 381 6500	0 0
	U.S.A.				[E-Mail] gbacon@epro	od.com
Project Executive	Enterprise Products F	Partners LP			Kevin Ramsey	
	Post Office Box 4324				VP Operations & Capi	•
	Houston, Texas 7721	10			[Tel.] +1 713 381 6500	
	U.S.A.				[E-Mail] keramsey@e ramsey-61491013	orod.com ; [LinkedIn] ke
Project Manager	Enterprise Products F	Partners LP			Randy Wiggins	
, ,	PO Box 4324				Project Manager	
	Houston, Texas 7721	0-4324			[Tel.] +1 713 381 6500)
	U.S.A.				[E-Mail] rwiggins@epr	od.com
G/C	Pumpco Incorporated	t			Derek Kieschnick	
	P O Box 742	40			Project Estimator	
	Giddings, Texas 7894 U.S.A.	42			[Tel.] +1 979 542 9054 [E-Mail] derek.kieschn	
6/0	NorthStar Energy Ser	rvices			Benny Flores	ick@pumpco.cc
3,0	15025 East Freeway				Project Manager	
	Channelview, Texas				[Tel.] +1 281 452 235	5
	U.S.A.				[E-Mail] bflores@nses	.com
G/C	NorthStar Energy Ser	rvices			Sam Foster	
	15025 East Freeway				Project Controls Mana	-
	Channelview, Texas	77530			[Tel.] +1 281 452 235	
PEC® Timing	U.S.A.			DEC® Activit	[E-Mail] sfoster@nses	.com
	Completed (100%)			PEC® Activit	y Completion/Start-Up	
• •	M2E3 LLC affiliate of Contractor), NorthSta	ar Energy Servi	ices (Pump Station	G/C) performs D	prporated (Pipeline G/C a Detailed Engineering on I to Echo 3 Pipeline Projec	Vidland-to-ECHO 3
	grassroot 502-Mile pi (expandable to 450,0	peline (Project 00 BBL/d) of c je, SCADA, MC	ID: 300514810) cui rude oil from Came CC Mods, Control Va	rrently being des ron, TX to Sealy alves, Flanges, S	with auxiliary equipment signed to transport up to , TX. REQUIRES: Steel Station Piping, Utilities a	400,000 BBL/d Frame Building, Electric
Schedule	Engineering through	1Q20 (Mar). Ei d Subcontracto	nterprise Products F or Bid Documents 10	Partners LP with	tar Energy Services con NorthStar Energy Servic (Aug). Expected Constr	ces releases remaining
Project Milestones		AFE 202001	Sub Bid Doc 202	008 (Completion 28-Dec-2020	Precision YEAR
Long-Le	ad 201909 Equip	RFQ 202003	Kick-Off 202	003 Kicko	ff Slippage 0 Months	Duration 10 Months
Engineering		Facility in the		la sta	Mashari	
Contracting roject Key Needs	Electrical	Environmental	Control Room	Instrumentation	iviecnanical	
Instrumentation	Electrical	Mechanical		Storage		
Piping/Fittings Communication	Insulation/Coatings I		Utilities	Valves	Pumps Transportation	
	Material Handling					

Material Handling

Matter	Phase
E	Energy

Buy

Sell

Liquid

Project Fuel Type Crude Oil

Exhibit GPLDC-1b

Vapor

	Plant Standard Contacts						
Functional/Actual Title Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID					
Plant Manager Rex Morsey	[Phn.] +1 432 681 2600 x3	Jan-2023					
Pipeline Operation Supervisor	No	rex-morsey-04566756					
Maintenance Manager James Wolfe	[Phn.] +1 432 221 7700	Jan-2023					
	No						
Purchasing Manager John Tejml	[Phn.] +1 713 381 6500	Jan-2023					
Procurement Director jtejml@eprod.com	No	john-tejml-25a7aa82					
Engineering Manager Rex Morsey	[Phn.] +1 432 681 2600 x3	Jan-2023					
Pipeline Operation Supervisor	No	rex-morsey-04566756					
Environmental Manager Jon Fields	[Phn.] +1 713 381 6500 / [Alt.] +1 281 501 4078	Jan-2023					
Senior Environmental Manager	No	jon-fields-12b6413a					
Safety Manager Jeff Hoffstadt	[Phn.] +1 956 642 6025	Jan-2023					
	No	jeff-hoffstadt-27496b32					
Utilities Manager James Wolfe	[Phn.] +1 432 221 7700	Jan-2023					
	No						
Human Resource Manager Esmeralda Galvan	[Phn.] +1 713 381 6500	Jan-2023					
Director Human Resource egalvan@eprod.com	No	esmeralda-galvan-a7b92a4					
Historical Reports							
Project Name	Papart Data	TIV Phase					

	Historical Reports		
Project Name	Report Date	τιν	Phase
ECHO GRASSROOT CRUDE OIL PUMP STATION 1	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT CRUDE OIL PUMP STATION 1	03-Dec-2019	75,000,000 USD	Permitting (P2 - 18)
MIDLAND GRASSROOT CRUDE OIL PUMP STATION 1	05-Mar-2020	75,000,000 USD	Detailed Engineering (E2 - 31)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	25-Mar-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	17-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	30-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	15-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	22-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	13-Nov-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	01-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	24-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1	15-Jan-2021	75,000,000 USD	Completion/Start-Up (C1 - 41)

						DC-10
*Any data highlighted in red below	w is data that has b	een added or upda	ted in the last i	release of the		
Capital PEC Report					Pr	oject ID: 300529722
Project Nam Umbrella Project Nam	e BIG LAKE ECHO II e MIDLAND TO ECH		IP STATON 2		Um	PEC Activity Diagram brella Project Count 6
Umbrella Project Summa					nd, TX to Harris County, Tx in service date of Mid 2021	
Industry Coc	e 03 Oil & Gas Pipelir	nes		Project Type	Grassroot	
TIV (USI) 75,000,000					5 mm
SIC Coc	e 4612 Crude Petrole	um Pipelines		Sector	Crude Pipelines	- Ingenter
	ct 4612*0003 Crude C	•				
	s Complete / Done al Air (A) Land (L)	La		uction Labor Pr	ial Release 14-Jun-2019 eference Unconfirmed eference Non-Union	U
Project Capaci	v	Planned 400,000 BB	-			
	-					
	er Enterprise Products				Enterprise Products Partne	
	e Big Lake Pump Sta	tion 2		Unit Name	Big Lake Pump Station 2 (J2 EM
	D 3371719 n Noar Big Lako			Phone	+1 713 381 6500	
	n Near Big Lake e Big Lake, Texas 76	032116 1			TX*06, Reagan	
-		932 U.S.A.				
Project Responsibilit	e Enterprise Products	Portnors I P			Project Contact Graham Bacon	
Project Executiv	1100 Louisiana Stre				Executive VP of Operation	s & Engineering
	Houston, Texas 770				[Tel.] +1 713 381 6500	s & Engineening
	U.S.A.	50Z			[E-Mail] gbacon@eprod.co	m
Project Executiv	e Enterprise Products	Partners I P			Kevin Ramsey	
	PO Box 4324				VP Capital Projects	
	Houston, Texas 772	210-4324			[Tel.] +1 713 381 6500	
	U.S.A.				[E-Mail] keramsey@eprod	.com : [LinkedIn] kevin-
					ramsey-61491013	
Project Manage	r Enterprise Products	Partners LP			Randy Wiggins	
	PO Box 4324				Project Manager	
	Houston, Texas 772	210-4324			[Tel.] +1 713 381 6500	
	U.S.A.				[E-Mail] rwiggins@eprod.c	om
G/	C Pumpco Incorporate	ed			Derek Kieschnick	
	P O Box 742				Project Estimator	
	Giddings, Texas 78	942			[Tel.] +1 979 542 9054	
	U.S.A.				[E-Mail] derek.kieschnick@	pumpco.cc
G/	C NorthStar Energy S				Sam Foster	
	15025 East Freewa	•			Project Controls Manager	
	Channelview, Texa	s 77530			[Tel.] +1 281 452 2355	
	U.S.A.				[E-Mail] sfoster@nses.com	ו
G/	C NorthStar Energy S				Benny Flores	
	15025 East Freewa	•			Project Manager	
	Channelview, Texa	\$ 77530			[Tel.] +1 281 452 2355	
	U.S.A.				[E-Mail] bflores@nses.com	1
PEC® Timin	•			PEC® Activity	Completion/Start-Up	
-	y Completed (100%)	of Entorprice Produc	Portpore I D with	- Pumpoo Incorr	paratad (Pinalina C/C and I	Pump Station
300					oorated (Pipeline G/C and F on Midland-to-ECHO 3 Gra	
					ect from the Permian Basir	
	and install (1) 3,000	hp electric-drive pu	mp package with	auxiliary equipr	nent to support Enterprise g	grassroot 502-Mile
					to 400,000 BBL/d (expand	
					eel Frame Building, Electric Jtilities and Controls. ENVI	
	Leak Detection; (L)		valves, i langes,	Station Fipling, t		NONMENTAL. (A)
Schedu	,		Impco Incorporat	ed and NorthSta	ar Energy Services continue	es with Construction
	Activities and release	ses remaining Equip	ment RFQs and S	Subcontractor Bi	d Documents 1Q20 (Mar)-3	3Q20 (Aug). Expected
	Construction Kick-C	off 1Q20 (Mar). Cons	truction Complet	ion 1Q21 (Jan).		
Project Milestones		AFE 202001 S	ub Bid Doc 20200	08 Co	mpletion 28-Dec-2020	Precision YEAR
Long-I	ead 201909 Equi	p RFQ 202003	Kick-Off 20200	3 Kickoff	Slippage 0 Months	Duration 10 Months
Engineering						
Contracting	Electrical	Environmental		nstrumentation	Mechanical	
Project Key Needs			trol Room			
Instrumentatio		Mechanical				
Piping/Fittings	-	Environmental Utili	ties		Pumps	
Communicatio					Transportation	
Mottor Phase	Material Handling					
Matter Phase	Liquid					

Energy Buy Sell

Project Fuel Type Crude Oil

Plant Standard Contacts					
Functional/Actual Title Contact Name/E-mail			QC Date/LinkedIn ID		
Plant Manager	Gerald Roever	[Phn.] +1 432 221 7705	Dec-2022		
	groever@eprod.com	No			
Maintenance Manager	Gerald Roever	[Phn.] +1 432 221 7705	Dec-2022		
	groever@eprod.com	No			
Purchasing Manager	Gerald Roever	[Phn.] +1 432 221 7705	Dec-2022		
	groever@eprod.com	No			
Engineering Manager	Gerald Roever	[Phn.] +1 432 221 7705	Dec-2022		
Purchasing Manager	groever@eprod.com	No			
Environmental Manager	Jon Fields	[Phn.] +1 713 381 6500 / [Alt.] +1 281 501 4078	Dec-2022		
		No	jon-fields-12b6413a		
Safety Manager	Jeff Hoffstadt	[Phn.] +1 956 642 6025 (Mobile)	Dec-2022		
		No	jeff-hoffstadt-27496b32		
Utilities Manager	Gerald Roever	[Phn.] +1 432 221 7705	Dec-2022		
	groever@eprod.com	No			
Human Resource Manager	Esmeralda Galvan	[Phn.] +1 713 381 6500	Dec-2022		
Director Human Resource	egalvan@eprod.com	No	esmeralda-galvan-a7b92a4		

Project Name	Report Date	TIV	Phase
ECHO GRASSROOT PUMP STATON 2	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT PUMP STATON 2	22-Jul-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT PUMP STATON 2	17-Dec-2019	75,000,000 USD	Permitting (P2 - 18)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	05-Mar-2020	75,000,000 USD	Detailed Engineering (E2 - 31)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	25-Mar-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	17-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	30-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	15-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	22-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	13-Nov-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	01-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	24-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
BIG LAKE ECHO III GRASSROOT PUMP STATON 2	15-Jan-2021	75,000,000 USD	Completion/Start-Up (C1 - 41)

			JPLDC-10
Any data highlighted in red below apital PEC Report	is data that has been added or updated in the	e last release of the project	Project ID: 3004685
-	PFORT STOCKTON PERMIAN HIGHWAY GRASS	ROOT NATURAL GAS PIPELIN	PEC Activity Diagra Umbrella Project Coun
Umbrella Project Summary	The PHP Pipeline is a 430 mile of 42 inch pipe bein Dulce Hub in South TX and providing access to se and pipeline headers that ties into liquefaction/LNG to a 48-inch-diameter pipe is under consideration, of	veral other pipelines to MX, the Katy Hub (S export terminals in Corpus Christi and Fro	30 miles west of Houston)
TIV (USD) SIC Code	 03 Oil & Gas Pipelines 1,600,000,000 4922 Natural Gas Transmission 	Project Type Grassroot Sector Natural Gas Pipelin	es
Status	t 4922*0004 Natural Gas Pipelines Complete / Done Last Update Air (A) Land (L) C	04-Jan-2021 Initial Release 13-Sep- onstruction Labor Preference Unconfirm Operations Labor Preference Non-Unio	ned
Project Capacity	Planned 2,100 MMSCFD of Na	•	
	Pipeline Installation D	etails	
stallation Type	Pipeline Length Unit of Measure	Pipeline Diameter U	nit of Measure
Greenfield	430 Miles (mi)	42 In	ches (in)
Plant Owner	r Permian Highway Pipeline LLC	Plant Parent Kinder Morgan Inco	rporated
Plant Name	Fort Stockton Coyanosa Natural Gas Compressor Station 0 3335456	Unit Name	
	2629 Trailer House Road	Phone +1 713 369 9000	
	Coyanosa, Texas 79730 U.S.A.	Zone/County TX*06, Pecos	
Project Responsibility		Project Contact	
	Kinder Morgan Texas Pipeline LLC	David Grisko	
	1001 Louisiana Street Suite 1000	Business Developm	nent
	Houston, Texas 77002	[Tel.] +1 713 369 90	000
	U.S.A.	[E-Mail] david_grisk	o@kindermorgan.com
Project Executive	e Kinder Morgan Incorporated	Sital Mody	
	1001 Louisiana Street Suite 1000	VP of Natural Gas I	
	Houston, Texas 77002	[Tel.] +1 713 369 90	
	U.S.A.	[E-Mail] sital_mody	@kindermorgan.com
Project Manage	r Kinder Morgan Texas Pipeline LLC	Enrique Valencia	
	1001 Louisiana Street Suite 1000	Commercial Operat	-
	Houston, Texas 77002	[Tel.] +1 713 369 90	
	U.S.A.		lencia@kindermorgan.com
G/C	Pumpco Incorporated	Derek Kieschnick	
	P O Box 742 Ciddings Taylog 70042	Project Estimator)F 4
	Giddings, Texas 78942	[Tel.] +1 979 542 90	
0/0	U.S.A.	[E-Mail] derek.kieso	nnick@pumpco.cc
G/C	Troy Construction LLC 260 Mount Olive Church Road	Matthew Brannon Project Estimator	
	Commerce, Georgia 30529	[Tel.] +1 281 437 82	214
	U.S.A.		troyconstruction.com
PEC® Timing		PEC® Activity Completion/Start-U	•
-	Completed (100%)		
	A Kinder Morgan Texas Pipeline (subsidiary of Kinde Pumpco Incorporated and Troy Construction (G/C) DETAILS: As part of the \$2 Billion 430-Mile Permia install 430 miles of 42" diameter transmission pipel Stockton, TX to Katy, TX which will then connect to Excavating, 42" Diameter Transmission Pipe, Cath Launching & Receiving, Block/Control Valves, Utilit Containment.	and performs Construction on a Grassroo an Highway Pipeline Project from Waha Hu line to transport up to 2.1 Bcf/d of natural g to the Gulf Coast and Mexico Markets. REG odic Protection, Custody Transfers, Coatir	t Natural Gas Pipeline. Ib to the Texas Gulf Coast, as from Waha Hub near Fo UIRES: Trenching, logs, MCC Mods, Pig
Schedule	• KMTP with Troy and Pumpco continues with Const Documents plus review and select Subcontractors Scheduled Project Completion 2Q21 (Apr).		
Project Milestones	AFE 202002 Sub Bid Doo	•	
Long-Le	ad 201811 Equip RFQ 202002 Kick-Of	f 202002 Kickoff Slippage 3 Months	Duration 12 Months
Engineering			
Contracting	Electrical Environmental	Instrumentation Mechanical	
Project Key Needs Civil/Site	Structural Control Room	NDE	
Instrumentation Piping/Fittings	Electrical Mechanical Insulation/Coatings Environmental Utilities	NDE Valves Pumps	
Communication	-	Transportation	
	Material Handling	Transportation	

Matter Phase Gas

Energy

Buy Electricity Sell

Project Fuel Type Natural Gas

Plant Standard Contacts						
Functional/Actual Title Contact Name/E-mail		Telephone/On-site	QC Date/LinkedIn ID			
Plant Manager	Brian Stokes	[Phn.] +1 432 333 5501	Mar-2023			
Operations Manager	brian.stokes@elpaso.com	No				
Maintenance Manager	Brian Stokes	[Phn.] +1 432 333 5500	Mar-2023			
Operations Manager	brian.stokes@elpaso.com	No				
Purchasing Manager	Purchasing Manager Brian Stokes [Phn.] +1 432 3		1 Mar-2023			
Operations Manager	brian.stokes@elpaso.com	xes@elpaso.com No				
Engineering Manager	David Grisko	[Phn.] +1 713 369 9870	0 Mar-2023			
Business Development	david_grisko@kindermorgan.com	No				
Environmental Manager	Eric Parker	[Phn.] +1 432 688 3780) Mar-2023			
	eric_parker@kindermorgan.com	No	eric-parker-6b101b175			
Safety Manager	Scott Long	[Phn.] +1 713 396 9000) Mar-2023			
EHS Manager-Contractor Safety	scott_long@kindermorgan.com	No	scott-long-91291238			
Utilities Manager	Brian Stokes	[Phn.] +1 432 333 5501	Mar-2023			
Operations Manager	brian.stokes@elpaso.com	No				
Human Resource Manager	Mary Burtner	[Phn.] +1 713 369 9000	0 Mar-2023			
	mary_burtner@kindermorgan.com	No	maryburtner			
Historical Reports						
Project Name			Report Date	TIV	Phase	
FORT STOCKTON PERMIA	N HIGHWAY GRASSROOT NATUF	RAL GAS PIPELINE (PH	P) 13-Sep-2018	900,000,000 USD	Economic Evaluation (P1 - 04)	

FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	13-Sep-2018	900,000,000 USD	Economic Evaluation (P1 - 04)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	14-Mar-2019	900,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	19-Sep-2019	900,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	22-Oct-2019	900,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	27-Nov-2019	900,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	11-Dec-2019	900,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	10-Jan-2020	1,600,000,000 USD	Permitting (P2 - 18)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	19-Feb-2020	1,600,000,000 USD	Construction - Merit Shop (C1 - 36)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	29-Apr-2020	1,600,000,000 USD	Construction - Merit Shop (C1 - 36)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	04-Nov-2020	1,600,000,000 USD	Construction - Merit Shop (C1 - 36)
FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE (PHP)	04-Jan-2021	1,600,000,000 USD	Completion/Start-Up (C1 - 41)
@ 0000 ALL DIOUTO DECEDI/ED Industrial Info Deserves and Inc. Owner Land TV 000 700	0.0004		

		EXNIDIT GPLDC-TD
ny data highlighted in red below apital PEC Report	is data that has been added or updated in the last r	elease of the project Project ID: 30048900
Project Name	WINK LONE STAR EXPRESS (LSX2) NATURAL GAS LI LONE STAR EXPRESS EXPANSION (LSX2)	
	Lone Star is expanding its Lone Star Express Pipeline sys Stars existing pipeline system near Wink, Tx to its existing	stem by adding a new 352-mile 24" pipeline extending from Lone g 30" line south of Fort Worth, Tx. This new pipeline will provide ecured from the Delaware and Permian Basins. Completion date
TIV (USD)	03 Oil & Gas Pipelines 550,000,000 4922 Natural Gas Transmission	Project Type Grassroot Sector Natural Gas Liquids
SIC Product	4922*0010 Natural Gas Liquids Pipeline	Pipelines
		p-2020 Initial Release 12-Dec-2018 Initial Release 12-Dec-2018 Initian Labor Preference Unconfirmed
Project Capacity		
	Pipeline Installation Details	
nstallation Type	Pipeline Length Unit of Measure	Pipeline Diameter Unit of Measure
Market Extension	352 Miles (mi)	24 Inches (in)
Plant Owner	Energy Transfer Partners LP	Plant Parent Energy Transfer LP
Plant Name	Wink WT2 NGL Pump Station 3348108	Unit Name
	East of Wink	Phone +1 210 403 7300
City/State	Wink, Texas 79789 U.S.A.	Zone/County TX*06, Winkler
Project Responsibility	Project Company	Project Contact
	Energy Transfer Operating LP	Matthew Ramsey
	8111 Westchester Drive	VP Operations & Engineering
	Dallas, Texas 75225	[Tel.] +1 713 989 7000
	U.S.A.	[E-Mail] matt.ramsey@energytransfer.com
Project Manager	Energy Transfer Operating LP	Kevin Smith
	8111 Westchester Drive	Sr Construction Engineer
	Dallas, Texas 75225	[Tel.] +1 713 989 7000
	U.S.A.	[E-Mail] kevin.smith@energytransfer.com
Project Manager	Energy Transfer Operating LP	Jonathan Minton
	1300 Main Street	Environmental Project Manager
	Houston, Texas 77002	[Tel.] +1 713 989 7000
	U.S.A.	[E-Mail] jonathan.minton@energytransfer.com
G/C	Pumpco Incorporated	Derek Kieschnick
	P O Box 742	Project Estimator
	Giddings, Texas 78942	[Tel.] +1 979 542 9054
	U.S.A.	[E-Mail] derek.kieschnick@pumpco.cc
G/C	Troy Construction LLC	Tim Johnson
	P O Box 450862 Houston, Texas 77245	Field Superintendent [Tel.] +1 281 437 8214
	U.S.A.	[E-Mail] tjohnson@troyconstruction.com
G/C	Holloman Corporation	Ryan Kelly
6,6	333 North Sam Houston Parkway East Suite 600	Project Manager
	Houston, Texas 77060	[Tel.] +1 281 878 2600
	U.S.A.	[E-Mail]
G/C	Precision Pipeline LLC	Jake Breunig
	1119 Regis Court Ste 210	Project Manager
	Eau Claire, Wisconsin 54701	[Tel.] +1 715 874 4510
	U.S.A.	[E-Mail] jbreunig@precisionpipelinellc.com
PEC® Timing	C1	PEC® Activity Completion/Start-Up
Project Probability	Completed (100%)	
Scope	Permian Basin, install 352 miles of 24" diameter transmis to connect to Lone Star existing 30" pipeline at Morgan Ju	3) and Precision Pipeline (Spread 4) and proceed with S: As part of Lone Star Express pipeline Expansion from the sion pipeline to transport 400,000 BBL/d of NGL's from Wink, T unction in Bosque County, TX. REQUIRES: Trenching, rotection, Road/River Crossings, Coatings, Custody Transfers,
	Lone Star in Conjunction with G/C's continues with Const Equipment RFQ's and Bid Documents plus review and se Construction Commenced 4Q19 (Dec). Scheduled Project	
Details	Apr-2020 No current impact.	

Project Milestones			AFE 2019	806	Sub Bid Doc 2020	005	Completion	01-Sep-2020	Precision QUARTER
	Long-Lea	id 201901	Equip RFQ 2019	912	Kick-Off 2019	912	Kickoff Slippage	3 Months	Duration 10 Months
Engineering									
Contracting		Electrical	Environn	nental		Instrume	entation Mechan	ical	
Project Key Needs	ontotion	Flootricol	Machani		Control Room		NDE		
	nentation Fittings	Electrical	Mechani atings Environn		l Itilities	Valves	Pumps		
	unications			ientai	Oundes	Valves	Transpo	ortation	
		Material Han	dling						
Matter Phase Gas	;	L	.iquid						
Energy									
Buy Elec	ctricity								
Sell									
Project Fuel Type Natu	ural Gas								
			Plant Stan						
Functional/Actual Title					lephone/On-site	0 / []] .		QC Date/LinkedIn	ID
Plant Manager Senior Director of				-	hn.] +1 817 302 980	6 / [AIL] +	1 505 217 5034	mike-mccracken-	
Operations		nccracken@e	nergytransfer.co	m No	0			485b9741	
Maintenance Manager					hn.] +1 214 981 070	0 / [Alt.] +	1 505 217 5034	•	
Senior Director of Operations	michael.r	nccracken@e	nergytransfer.co	m No	D			mike-mccracken- 485b9741	
Purchasing Manager	Michael '	Mike' McCracl	ken	[P	hn.] +1 817 302 980	6 / [Alt.] +	1 505 217 5034	Aug-2022	
Senior Director of Operations		mccracken@e	nergytransfer.co	m No	0			mike-mccracken- 485b9741	
Engineering Manager	Mark Vec	dral		[P	hn.] +1 210 489 430	0		Aug-2022	
	mark.ved	ral@energytra	ansfer.com	No	D				
Environmental Manager	Christoph	ner Hansen		[P	hn.] +1 214 840 565	0 / [Alt.] +	1 972 658 8157	Aug-2022	
	christoph	er.hansen@e	nergytransfer.cc	m No	0			chris-hansen- a2273166	
Safety Manager	Keith Mo	rris		[P	hn.] +1 214 981 070	0		Aug-2022	
Senior Safety Manager	keith.mor	ris@energytra	ansfer.com	No	D			keith-morris-csp- 3a5b9919	
Utilities Manager	Michael 'I	Mike' McCracl	ken	[P	hn.] +1 817 302 980	6 / [Alt.] +	1 505 217 5034	Aug-2022	
Senior Director of Operations	michael.r	nccracken@e	nergytransfer.cc	m No	0			mike-mccracken- 485b9741	
Human Resource Manager	Erica Bra	ndt		[P	hn.] +1 210 403 730	0		Aug-2022	
Human Resource Director	erica.brai	ndt@energytra	ansfer.com	No	0			erica-brandt- 1ba85937	

Historical Reports	\$		
Project Name	Report Date	TIV	Phase
WINK NATURAL GAS LIQUIDS PIPELINE EXPANSION	12-Dec-2018	550,000,000 USD	Permitting (P2 - 18)
WINK NATURAL GAS LIQUIDS PIPELINE EXPANSION	28-Aug-2019	550,000,000 USD	Permitting (P2 - 18)
WINK LONE STAR EXPRESS (LSX2) NATURAL GAS LIQUIDS PIPELINE EXPANSION	04-Oct-2019	550,000,000 USD	Planning and Scheduling (E2 - 25)
WINK LONE STAR EXPRESS (LSX2) NATURAL GAS LIQUIDS PIPELINE EXPANSION	20-Dec-2019	550,000,000 USD	Construction - Merit Shop (C1 - 36)
WINK LONE STAR EXPRESS (LSX2) NATURAL GAS LIQUIDS PIPELINE EXPANSION	08-Apr-2020	550,000,000 USD	Construction - Merit Shop (C1 - 36)
WINK LONE STAR EXPRESS (LSX2) NATURAL GAS LIQUIDS PIPELINE EXPANSION	02-Sep-2020	550,000,000 USD	Completion/Start-Up (C1 - 41)
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/ data highlighted in red below	is data that has been add	led or upd	ated in the last relea	ase of the p	project	Droio	of ID: 200244020
ital PEC Report						-	ect ID: 30034102
	COTULLA GRASSROOT ER		E OIL PIPELINE PUM	P STATION			EC Activity Diagrar
Umbrella Project Name	EPIC CRUDE OIL PIPELINE	E				Umbrel	a Project Count 2
Umbrella Project Summary							
	02 Oil & Cas Binalinas		D	alaat Tuna	Crossroot		
-	03 Oil & Gas Pipelines		Pr	oject Type	Grassrool		
	40,000,000						L2 27
	4612 Crude Petroleum Pipel			Sector	Crude Pipelines		KXX
	4612*0003 Crude Oil Pump						
	Complete / Done	Li	ast Update 17-Jul-20		al Release 15-Mar-2		L.
Environmental	Air (A) Land (L)				eference Unconfirm		
			Operation	ns Labor Pre	eference Union, No	n-Unior	
Project Capacity	Planned	590,000 B	BL/d of Crude Oil				
Plant Owner	Epic Consolidated Operation	าร	P	lant Parent	EPIC Midstream Ho	ldinas I F)
	LLC		• •			ianigo, Ei	
Plant Name	EPIC Crude Oil Pump Statio	n		Unit Name	Cotulla 01 EM Cotul	lla 02 EM	
Plant ID							
	Highway 57			Phone	+1 210 495 5577		
	Eagle Pass, Texas 78852 U	SA	70		TX*09, Maverick		
Project Responsibility		.0.7 (.		-	Project Contact		
	EPIC Midstream Holdings, L	D			Grant Terry		
, .	18615 Tuscany Stone, Suite				Project Engineer - P	Dinolino	
	San Antonio, Texas 78258	; 215					
	U.S.A.				[Tel.] +1 210 495 55 [E-Mail] ; [LinkedIn]		-350742110
		_				grant-ten	y-55974511a
	EPIC Midstream Holdings, L				Justin Gordon		o <i>i</i>
	18615 Tuscany Stone, Suite	275			Vice President Engi	-	Operations
	San Antonio, Texas 78258				[Tel.] +1 210 495 55		
	U.S.A.				[E-Mail] justin.gordo		id.com ; [LinkedIn]
					justin-gordon-2a213	5241	
-	EPIC Midstream Holdings, L				Phillip Mezey		
	18615 Tuscany Stone, Suite	275			Chief Executive Offi		
	San Antonio, Texas 78258				[Tel.] +1 210 495 55		
	U.S.A.				[E-Mail] phil.mezey@	@epicmid	.com
G/C	Pumpco Incorporated				Robert Mares		
	P O Box 742				Field Superintender	nt	
	Giddings, Texas 78942				[Tel.] +1 979 542 90		
	U.S.A.				[E-Mail] robert.mare	s@pump	co.cc
G/C	Pumpco Incorporated				Derek Kieschnick		
	P O Box 742				Project Estimator		
	Giddings, Texas 78942				[Tel.] +1 979 542 90)54	
	U.S.A.				[E-Mail] derek.kiesc	hnick@pu	impco.cc
PEC® Timing	C1		PEC	C® Activity	Completion/Start-Up)	
Project Probability	Completed (100%)			•			
Scope	Epic Midstream with Pumpo	o (G/C) cor	ntinues Construction for	or a Grassroo	ot Crude Oil Pump S	Station. DE	TAILS: Construct
	buildings and install (2) 1,00 EPIC pipeline (Project ID 30						
	Buildings, Overhead Cranes						Block Valves, Gea
	Boxes, Piping, Metering plus		•	,	,		
	Epic Midstream with Pumper	o (G/C) cor	npletes Construction.	Construction	Commenced 4Q18	(Dec). Pr	oject Completed
	1Q20 (Mar).					_	
	AFE 20	01810	Sub Bid Doc 201811	Co	mpletion 15-Mar-2020) Pr	ecision MONTH
Project Milestones			Sub Bid Doc 201811 Kick-Off 201812		mpletion 15-Mar-2020 Slippage 9 Months		ecision MONTH uration 16 Months
Project Milestones	AFE 20 ad 201810 Equip RFQ 20			Kickoff			uration 16 Months
Project Milestones	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi)1811		Kickoff Instrumenta	Slippage 9 Months	D	uration 16 Months
Project Milestones Long-Lea Engineering Civil	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi	1811 ronmental ronmental		Kickoff Instrumenta	Slippage 9 Months ation Mechanical	D Structura	uration 16 Months
Project Milestones Long-Lea Engineering Civil Contracting Civil	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural	1811 ronmental ronmental	Kick-Off 201812	Kickoff Instrumenta	Slippage 9 Months ation Mechanical	D Structura	uration 16 Months
Project Milestones Long-Lea Engineering Civil Contracting Civil Project Key Needs Civil/Site	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mec	1811 ronmental ronmental hanical	Kick-Off 201812	Kickoff Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical	D Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mechan s Insulation/Coatings Envi	1811 ronmental ronmental hanical	Kick-Off 201812	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE	D Structura Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mec s Insulation/Coatings Envi ons	1811 ronmental ronmental hanical	Kick-Off 201812	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mechan s Insulation/Coatings Envi	1811 ronmental ronmental hanical	Kick-Off 201812	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio Matter Phase Energy	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mec s Insulation/Coatings Envi ons	1811 ronmental ronmental hanical	Kick-Off 201812	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio Matter Phase Energy Buy Electricity	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mec s Insulation/Coatings Envi ons	1811 ronmental ronmental hanical	Kick-Off 201812	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio Matter Phase Energy	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mec s Insulation/Coatings Envi ons	nonmental ronmental hanical ronmental	Kick-Off 201812 Control Room Utilities	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio Matter Phase Energy Buy Electricity	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Electrical Envi Structural on Electrical Mec s Insulation/Coatings Envi ons	nonmental ronmental hanical ronmental	Kick-Off 201812	Kickoff Instrumenta Instrumenta	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months al
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio Matter Phase Energy Buy Electricity	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Structural on Electrical Mech s Insulation/Coatings Envi ons Liquid	nonmental ronmental hanical ronmental	Kick-Off 201812 Control Room Utilities	Kickoff Instrumenta Instrumenta Valves	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months al
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentation Piping/Fittings Communication Matter Phase Energy Buy Electricity Sell	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Structural on Electrical Meci s Insulation/Coatings Envi ons Liquid	Plant Star Plant Star	Kick-Off 201812 Control Room Utilities	Kickoff Instrumenta Instrumenta Valves	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months al
Project Milestones Long-Lea Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communication Matter Phase Energy Buy Electricity Sell	AFE 20 ad 201810 Equip RFQ 20 Electrical Envi Structural on Electrical Meci s Insulation/Coatings Envi ons Liquid	Plant Star ephone/Or in.] +1 210	Kick-Off 201812 Control Room Utilities Utilities	Kickoff Instrumenta Instrumenta Valves	Slippage 9 Months ation Mechanical ation Mechanical NDE Pumps	D Structura Structura	uration 16 Months al

Maintenance Manager	Lyn Hudson	[Phn.] +1 210 920 2255	Feb-2023
Pipeline Operations Manager		No	lynhudson
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Feb-2023
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	Ryan Hansard	[Phn.] +1 210 495 5577	Feb-2023
		No	
Environmental Manager	Lyn Hudson	[Phn.] +1 210 920 2255	Feb-2023
Pipeline Operations Manager		No	lynhudson
Safety Manager	Lyn Hudson	[Phn.] +1 210 920 2255	Feb-2023
Pipeline Operations Manager		No	lynhudson
Utilities Manager	Lyn Hudson	[Phn.] +1 210 920 2255	Feb-2023
Pipeline Operations Manager		No	lynhudson
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	Feb-2023
		No	annagorshkovasmith

Historical Reports

	otoriour itoporto		
Project Name	Report Date	TIV	Phase
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	11-Apr-2018	40,000,000 USD	Economic Evaluation (P1 - 04)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	26-Nov-2018	40,000,000 USD	Permitting (P2 - 18)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Permitting (P2 - 18)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	22-Nov-2019	40,000,000 USD	Planning and Scheduling (E2 - 25)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	02-Jan-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	17-Jul-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)

ny data highlighted in red below	is data that has been	added or upd	lated in the last relea	se of the p	roject	
pital PEC Report						Project ID: 30034075
	OZONA GRASSROOT		OIL PIPELINE PUMP S	TATION		PEC Activity Diagram Umbrella Project Count 2
Umbrella Project Summary	,					
	03 Oil & Gas Pipelines		Dro	oject Type	Graceroot	
•	40,000,000		FIC	Ject Type	318551001	
	4612 Crude Petroleum F	Zinelines		Sector	Crude Pipelines	
	4612*0003 Crude Oil Pu	•		Sector		
	Complete / Done	•	ast Update 17-Jul-202	0 Initia	al Release 15-Mar-2	017
	Air (A) Land (L)	L	Construction	n Labor Pre	eference Union, Nor	n-Unior
Drainet Consolity	Dien	nod 500 000 5	-		ference onion, Nor	
Project Capacity			BL/d of Crude Oil			
Plant Owner	· EPIC Midstream Holding	js, LP	Pla	ant Parent	EPIC Midstream Hol	ldings, LP
Plant Name	EPIC Crude Oil Pump S	tation	ι	Unit Name	Ozona 01 EM Ozona	a 02 EM
Plant ID	3238235					
Location	West of Route 163, Sou Ozona	th of			+1 210 569 6696	
City/State	Crane, Texas 76943 U.S	3.A.	Ζοι	ne/County	TX*06, Upton	
Project Responsibility	Project Company			F	Project Contact	
Project Manager	EPIC Midstream Holding	js, LP		(Grant Terry	
	18615 Tuscany Stone, S	Suite 275			Project Engineer - P	ipeline
	San Antonio, Texas 782	.58			Tel.] +1 210 495 55	77 x209
	U.S.A.				E-Mail] ; [LinkedIn]	grant-terry-35974311a
Project Executive	EPIC Midstream Holding	gs, LP			Justin Gordon	
-	18615 Tuscany Stone, S	-		,	vice President Engir	neering & Operations
	San Antonio, Texas 782				Tel.] +1 210 495 55	- ·
	U.S.A.				E-Mail] justin.gordo	n@epicmid.com ; [LinkedIn]
				j	ustin-gordon-2a213	241
Project Executive	EPIC Midstream Holding	js, LP		[Phillip Mezey	
	18615 Tuscany Stone, S	Suite 275		(Chief Executive Offic	cer
	San Antonio, Texas 782	58			Tel.] +1 210 495 55	77
	U.S.A.				E-Mail] phil.mezey@	epicmid.com
G/C	Pumpco Incorporated				Robert Mares	
	P O Box 742				Field Superintenden	t
	Giddings, Texas 78942				Tel.] +1 979 542 90	
	U.S.A.				E-Mail] robert.mares	
G/C	Pumpco Incorporated				Derek Kieschnick	· ·
	P O Box 742				Project Estimator	
	Giddings, Texas 78942			-	Tel.] +1 979 542 90	54
	U.S.A.				E-Mail] derek.kiesch	
PEC® Timing			PEC		Completion/Start-Up	
Project Probability			-			
• • •	Epic Midstream with Pur	mpco (G/C) cor	ntinues Construction for	r a Grassroo	t Crude Oil Pump S	tation. DETAILS: Construct
	huilding an and install (2)	1 000 hp electr				
Schedule	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur	D 300340737). anes, Electric M plus Controls. mpco (G/C) con	REQUIRES: Site Prepa Aotor-Driven Pump Pack ENVIRONMENTAL: (A mpletes Construction fo	ackages to s aration, Fou kages, Lube) Leak Dete	support the planned ndations, Pilings, Pip Oil System, Contro ction; (L) Containme	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent.
Schedule	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com	REQUIRES: Site Prepa Motor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar).	ackages to aration, Fou kages, Lube) Leak Dete or a Grassro	support the planned ndations, Pilings, Pili e Oil System, Contro ction; (L) Containme ot Crude Oil Pump S	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ant. Station. Construction
Project Milestones	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF	D 300340737). anes, Electric M plus Controls. mpco (G/C) con	REQUIRES: Site Prepa Aotor-Driven Pump Pack ENVIRONMENTAL: (A mpletes Construction fo	ackages to aration, Fou kages, Lube) Leak Dete or a Grassro	support the planned ndations, Pilings, Pip Oil System, Contro ction; (L) Containme	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ant. Station. Construction
Project Milestones	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810	REQUIRES: Site Prepa Motor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar).	ackages to aration, Fou kages, Lube) Leak Dete or a Grassroo Con	support the planned ndations, Pilings, Pili e Oil System, Contro ction; (L) Containme ot Crude Oil Pump S	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ant. Station. Construction
Project Milestones	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RF	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811	ackages to aration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff S	support the planned ndations, Pilings, Pip Oil System, Contro ction; (L) Containme ot Crude Oil Pump S npletion 15-Mar-2020	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH
Project Milestones Long-Le Engineering Civil Contracting Civil	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RFC Electrical	D 300340737). anes, Electric M plus Controls. mpco (G/C) coi c). Project Com E 201810 Q 201811	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811	ackages to aration, Fou kages, Lube .) Leak Dete or a Grassro Co Kickoff s Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containme of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months
Project Milestones Long-Le Engineering Civil	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RF Electrical	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810 Q 201811 Environmental	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811	ackages to aration, Fou kages, Lube .) Leak Dete or a Grassro Co Kickoff s Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containme of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RFC Electrical Electrical Structural on Electrical	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S mpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RFC Electrical Electrical Structural on Electrical I s Insulation/Coatings	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to aration, Fou kages, Lube .) Leak Dete or a Grassro Co Kickoff s Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE Pumps	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RFC Electrical Electrical Structural on Electrical I s Insulation/Coatings	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S mpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RFC Electrical Electrical Structural on Electrical I s Insulation/Coatings	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE Pumps	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RF Electrical I Structural is Insulation/Coatings I ions	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE Pumps	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RF Electrical I Structural is Insulation/Coatings I ions	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE Pumps	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy Buy	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RF Electrical I Structural is Insulation/Coatings I ions	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical	REQUIRES: Site Prepa lotor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE Pumps	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ead 201810 Equip RF Electrical I Structural is Insulation/Coatings I ions	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical Environmental	REQUIRES: Site Prepa Notor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff Instrumenta	support the planned indations, Pilings, Pili e Oil System, Contro- ction; (L) Containment of Crude Oil Pump S inpletion 15-Mar-2020 Slippage 9 Months ition Mechanical Heat Transfer NDE Pumps	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy Buy Sell	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RF4 Electrical I Structural ion Electrical I Is Insulation/Coatings I ions	D 300340737). anes, Electric M plus Controls. mpco (G/C) cor c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical Environmental	REQUIRES: Site Prepa Notor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812 Utilities	ackages to a ration, Fou kages, Lube D Leak Dete or a Grassro Con Kickoff S Instrumenta Instrumenta Valves	support the planned indations, Pilings, Pili o Oil System, Contro- ction; (L) Containme of Crude Oil Pump S mpletion 15-Mar-2020 Slippage 9 Months ition Mechanical tition Mechanical Heat Transfer NDE Pumps Transportation	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy Buy Sell	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec Epic Midstream with Pur Commenced 4Q18 (Dec AF Ead 201810 Equip RF4 Electrical I Structural ion Electrical I is Insulation/Coatings I ions Liquid	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical Environmental Plant Star Telephone/Or	REQUIRES: Site Prepa Notor-Driven Pump Paci ENVIRONMENTAL: (A mpletes Construction for pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812 Utilities Indard Contacts n-site	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff S Instrumenta Instrumenta Valves	Support the planned indations, Pilings, Pili o Oil System, Contro- ction; (L) Containme of Crude Oil Pump S mpletion 15-Mar-2020 Slippage 9 Months ition Mechanical tion Mechanical Heat Transfer NDE Pumps Transportation	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gea ent. Station. Construction Precision MONTH Duration 16 Months Structural Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy Buy Sell Functional/Actual Title Plant Manager	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RF4 Electrical I Structural ion Electrical I is Insulation/Coatings I ions Liquid	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical Environmental Plant Star Telephone/Or	REQUIRES: Site Prepa Notor-Driven Pump Pac ENVIRONMENTAL: (A mpletes Construction fo pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812 Utilities	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff S Instrumenta Instrumenta Valves	Support the planned indations, Pilings, Pili o Oil System, Contro- ction; (L) Containme of Crude Oil Pump S mpletion 15-Mar-2020 Slippage 9 Months ition Mechanical tion Mechanical Heat Transfer NDE Pumps Transportation	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gear ent. Station. Construction Precision MONTH Duration 16 Months Structural Structural
Project Milestones Engineering Civil Contracting Civil Project Key Needs Civil/Site Instrumentati Piping/Fitting Communicati Matter Phase Energy Buy Sell	EPIC pipeline (Project II Buildings, Overhead Cra Boxes, Piping, Metering Epic Midstream with Pur Commenced 4Q18 (Dec AF ad 201810 Equip RF4 Electrical I Structural ion Electrical I is Insulation/Coatings I ions Liquid	D 300340737). anes, Electric M plus Controls. mpco (G/C) con c). Project Com E 201810 Q 201811 Environmental Environmental Mechanical Environmental Plant Star Telephone/Or	REQUIRES: Site Prepa Notor-Driven Pump Paci ENVIRONMENTAL: (A mpletes Construction for pleted 1Q20 (Mar). Sub Bid Doc 201811 Kick-Off 201812 Utilities Indard Contacts n-site	ackages to a ration, Fou kages, Lube) Leak Dete or a Grassro Con Kickoff S Instrumenta Instrumenta Valves	Support the planned indations, Pilings, Pili o Oil System, Contro- ction; (L) Containme of Crude Oil Pump S mpletion 15-Mar-2020 Slippage 9 Months ition Mechanical tion Mechanical Heat Transfer NDE Pumps Transportation	730-mile 590,000 BBL/d beline Headers, Manifolds, I Valves, Block Valves, Gear ent. Station. Construction Precision MONTH Duration 16 Months Structural Structural

40,000,000 USD Planning and Scheduling (E2 - 25)

40,000,000 USD Construction - Merit Shop (C1 - 36)

Maintenance Manager	Cliff Self	[Phn.] +	⊦1 210 569 6696		Sep-2022	
Pipeline Operations Manager		No			cliff-self-957	1681b8
Purchasing Manager	Travis McGloughlin	[Phn.] +	+1 210 920 2255		Sep-2022	
Procurement Manager	travis.mcgloughlin@epicmid.com	No			travis-mcglou	ughlin-593b5615
Engineering Manager	Matt Warren	[Phn.] +	+1 210 620 4593		Sep-2022	
Senior Operations Manager Crude, NGL		No				
Environmental Manager	William Crochet	[Phn.] +	+1 210 920 2255		Sep-2022	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No			william-croch	net-50a25b146
Safety Manager	William Crochet	[Phn.] +	+1 210 920 2255		Sep-2022	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No			william-croch	net-50a25b146
Utilities Manager	Matt Warren	[Phn.] +	+1 210 620 4593		Sep-2022	
Senior Operations Manager Crude, NGL		No				
Human Resource Manager	Anya Smith	[Phn.] +	+1 912 236 1579		Sep-2022	
		No			annagorshko	ovasmith
			Historical Reports			
Project Name			Report Date		τιν	Phase
OZONA GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	15-Mar-2017	40,0	00,000 USD	Project Justification (P1 - 16)
OZONA GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	23-Jan-2018	40,0	00,000 USD	Project Justification (P1 - 16)
OZONA GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	11-Apr-2018	40,0	00,000 USD	Economic Evaluation (P1 - 04)
OZONA GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	27-Jun-2018	40,0	00,000 USD	Permitting (P2 - 18)
OZONA GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	26-Nov-2018	40,0	00,000 USD	Permitting (P2 - 18)
OZONA GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	10-Dec-2018	40,0	00,000 USD	Permitting (P2 - 18)

OZONA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 17-Jul-2020 40,000,000 USD Completion/Start-Up (C1 - 41)

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OZONA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 22-Nov-2019

OZONA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 11-Feb-2020

				SPLDC-10
ny data highlighted in red below apital PEC Report	is data that has been added o	r updated in the last rele	ease of the project	Project ID: 30040662
Project Name	ORLA GRASSROOT GRAY OAF GRAY OAK CRUDE OIL PIPELII			PEC Activity Diagra
			s in the Permian to the Gulf Coast	-
Industry Code	03 Oil & Gas Pipelines 1,500,000,000		Project Type Grassroot	
SIC Code	4612 Crude Petroleum Pipelines 4612*0001 Crude Oil Pipelines		Sector Crude Pipelines	
	Complete / Done		2020 Initial Release 21-Dec- ion Labor Preference Unconfirm ons Labor Preference Non-Union	ned
Project Capacity	Planned 900	,000 BBL/d of Crude Oil	Shis Labor Preference Non-Onio	1
		ne Installation Details		
stallation Type	Pipeline Length Unit of		Pipeline Diameter Ur	nit of Measure
reenfield	850 Miles (•	ches (in)
Plant Owner		·	Plant Parent Phillips 66	
Plant Name	Orla Crude Oil Pump Station 3292948		Unit Name	
	10.38 Miles Northwest of Orla		Phone +1 281 293 6600	
	Mentone, Texas 79770 U.S.A.	Z	Cone/County TX*06, Loving	
Project Responsibility	· · · · · · · · · · · · · · · · · · ·		Project Contact	
Project Executive			Corey Leonard	
	PO Box 4428		Business Dev. Man	• •
	Houston, Texas 77210		[Tel.] +1 281 293 66	
	U.S.A.		[E-Mail] corey.leona	ard@p66.com
Project Manager	•		Manny Cortez	Managar
	PO Box 4428 Houston, Texas 77210		Pipeline Operation I [Tel.] +1 832 765 17	
	U.S.A.			ortez@p66.com ; [LinkedIn
Project Manager	Phillips 66		David Bevill	
,	PO Box 4428		Project Manager	
	Houston, Texas 77210		[Tel.] +1 281 293 66	600
	U.S.A.		[E-Mail] david.f.bevi	ll@p66.com
G/C	Holloman Corporation		Justin Schwausch	
	333 North Sam Houston Parkway	/ East Suite 600	Project Manager	200
	Houston, Texas 77060 U.S.A.		[Tel.] +1 281 878 26 [E-Mail] justinschwa	usch@hollomancorp.com
G/C	Pumpco Incorporated		Derek Kieschnick	
	P O Box 742		Project Estimator	NF 4
	Giddings, Texas 78942 U.S.A.		[Tel.] +1 979 542 90 [E-Mail] derek.kiesc	
GIC	MPG Pipeline Contractors LLC		Bruce Ainsworth	nnick@punpco.cc
Gic	16770 Imperial Valley, Suite 105		Operations Manage	r
	Houston, Texas 770660		[Tel.] +1 713 904 11	
	U.S.A.		[E-Mail] bainsworth	
PEC® Timing	C1	PE	EC® Activity Completion/Start-Up	0
Project Probability				
	25% Owner) awards Holloman C continues with Construction for a Project, Dig trenches and lay app 900,000 BBL/d (expandable to 11 Crane, TX to the Eagle Ford Sha Excavation, 36" and 42" Diamete Block/Control Valves, Piping, MC Leak Detection; (L) Containment.	orporation (Spread 1), Pun Grassroot Crude Oil Pipeli proximately 850 miles of 36 MM BBL/d) of crude oil fror le area near Corpus Christ r Transmission Pipe, SCAI C, HDD, Road/River Cross	her) and Marathon Petroleum Com npco (Spread 2) and MPG Contra ine. DETAILS: As part of the 850 I " and 42" diameter transmission p n origination points in the Permiar i, Sweeny, and Freeport, TX. REC DA, Coatings, Custody Transfers, sings, Metering, Utilities and Contr and MPG continues with Construct	ctors (Spread 3) and Mile Gray Oak Pipeline bipeline to transport up to a Basin near Orla, Wink, an QUIRES: Trenching, Pig Launching & Receiving rols. ENVIRONMENTAL: (A
concadio		RFQ's and Sub Contractor	Bid Documents through 3Q19 (Au	
Project Milestones	AFE 201808		Completion 27-Apr-2020	
Long-Le	ad 201807 Equip RFQ 201809	Kick-Off 201810	Kickoff Slippage 3 Months	Duration 19 Months
Engineering	Flootricol	vontal	Instrumentation Machanias	Structural
Contracting Project Key Needs Civil/Site	Electrical Environm	lental	Instrumentation Mechanical	Structural
Instrumentatio	on Electrical Mechanic	al	NDE	

1,500,000,000 USD Construction - Merit Shop (C1 - 36)

1,500,000,000 USD Completion/Start-Up (C1 - 41)

Transportation

Communications

Liquid

Matter Phase Energy

UN Electrici

Buy Elec	ctricity				
Sell		_, _			
		Plant Standar			
Functional/Actual Title Plant Manager		Telephone/On-site [Phn.] +1 806 318 9268		LinkedIn ID	
	scott.gilmore@p66.com	No	7.01 2020		
Maintenance Manager	Scott Gilmore	[Phn.] +1 806 318 9268	Apr-2023		
Operations Superintendent	scott.gilmore@p66.com	No			
Purchasing Manager	Scott Gilmore	[Phn.] +1 806 318 9268	Apr-2023		
Operations Superintendent	scott.gilmore@p66.com	No			
Engineering Manager	Manny Cortez	[Phn.] +1 832 765 1711	Apr-2023		
Manager Pipelines	manny.m.cortez@p66.com	No	manny-co	ortez-304b9218	
Environmental Manager		[Phn.] +1 281 293 6600	•		
EHS Manager		No	Duplicate		
Safety Manager EHS Manager	David 'Clint' Gill	[Phn.] +1 281 293 6600 No	Apr-2023 Duplicate		
Utilities Manager			•		
		[Phn.] +1 806 318 9268	Api-2023		
Superintendent	scott.gilmore@p66.com	No			
Human Resource Manager		[Phn.] +1 281 293 6600	Apr-2023		
SVP Human Resources		No	sonya-ree	ed-b051144	
		Historical	Reports		
Project Name		Report Date		τιν	Phase
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	21-Dec-2017		700,000,000 USD	Owner Review of Issue (P2 - 19)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	27-Apr-2018		700,000,000 USD	Owner Review of Issue (P2 - 19)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	11-Jul-2018		700,000,000 USD	Purchasing (E2 - 21)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	31-Jul-2018		700,000,000 USD	Purchasing (E2 - 21)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	15-Nov-2018		700,000,000 USD	Purchasing (E2 - 21)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	06-Dec-2018		700,000,000 USD	Planning and Scheduling (E2 - 25)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	14-Dec-2018		700,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	28-Feb-2019		1,500,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	19-Sep-2019		1,500,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	15-Nov-2019		1,500,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	13-Dec-2019		1,500,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT GRAY	OAK CRUDE OIL PIPELINE	27-Feb-2020		1,500,000,000 USD	Construction - Merit Shop (C1 - 36)

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ORLA GRASSROOT GRAY OAK CRUDE OIL PIPELINE 16-Apr-2020

ORLA GRASSROOT GRAY OAK CRUDE OIL PIPELINE 14-May-2020

al PEC Report				Project ID: 300341
al PEC Report				
	ORLA GRASSROOT EPIC CRUD EPIC CRUDE OIL PIPELINE	E OIL AND CONDENSAT	'E TERMINAL	PEC Activity Diac Umbrella Project Cour
Umbrella Project Summary		_		
Industry Code	02 Terminais 15,000,000	٢	Project Type Grassroot	
	5171 Petroleum Bulk Stations &		Sector Crude Oil Storage	
	Terminals			
	5171*0003 Crude Petroleum Stora	age		A.
	Impacted by COVID-19 Complete / Done	Last Update 11-May-2	2020 Initial Release 10-Mar-	2017
Environmental	· · · · ·	· · · · · · · · · · · · · · · · · · ·	on Labor Preference Unconfirm	
		Operatio	ns Labor Preference Union, No	n-Unior
Project Capacity	Planned 100,0	000 BBL of Crude Oil Stora	age	
Plant Owner	EPIC Midstream Holdings, LP	F	Plant Parent EPIC Midstream Ho	ldings, LP
Plant Name	Orla EPIC Crude Oil and		Unit Name	
Diau (ID	Condensate Terminal			
	3238599 North of Orla		Phone +1 210 569 6696	
	Orla, Texas 79770 U.S.A.	Z	one/County TX*06, Reeves	
Project Responsibility	,		Project Contact	
Project Manager	EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 300		Project Engineer - P	· · · · · · · · · · · · · · · · · · ·
	San Antonio, Texas 78258 U.S.A.		[Tel.] +1 210 495 55	
Project Executive	EPIC Midstream Holdings, LP		Justin Gordon	grant-terry-35974311a
	18615 Tuscany Stone, Suite 275			neering & Operations
	San Antonio, Texas 78258		[Tel.] +1 210 569 66	• •
	U.S.A.			n@texstarlogistics.com;
			[LinkedIn] justin-gor	don-2a213241
Project Executive	EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275		Phillip Mezey Chief Executive Offi	cor
	San Antonio, Texas 78258		[Tel.] +1 210 569 66	
	U.S.A.			Detexstarlogistics.com
G/C	MPG Pipeline Contractors LLC		Bruce Ainsworth	
	16770 Imperial Valley, Suite 105		Operations Manage	
	Houston, Texas 770660 U.S.A.		[Tel.] +1 713 904 11 [E-Mail] bainsworth	
G/C	Pumpco Incorporated		Robert Mares	empg-pic.com
0,0	P O Box 742		Field Superintenden	t
	Giddings, Texas 78942		[Tel.] +1 979 542 90	54
	U.S.A.		[E-Mail] robert.mare	<u> </u>
PEC® Timing		PE	C® Activity Completion/Start-Up)
Project Probability	Completed (100%) EPIC Midstream with MPG Pipelin	e Contractors (G/C) and F	P_{LL}	ues Construction for a
	Grassroot Crude Oil and Condens plus (2) truck unloading racks to c planned 730-mile 600,000 BBL/d I Pads, Plate Steel, Pipe Racks, Co Pumps, Motors, Fire Protection, M Vapor Recovery; (L) Containment,	sate Receipt Terminal. DET ollect Eagle Ford shale cru Epic Pipeline (Project ID: 3 ontrol Valves, Headers, Me ICC Modifications plus Cor	TAILS: Construct (2) 50,000 BBL ude oil and condensate for transpo 300340737). REQUIRES: Site Pre ttering, Truck Unloading, Coatings	aboveground storage tar ort to Corpus Christi via eparation, Foundations, T s, Painting, Electrical Utili
	EPIC Midstream with MPG Pipelin Grassroot Crude Oil and Condens Documents 4Q18 (Dec) - 4Q19 (C Apr-2020 Minor delay in Startup d	sate Receipt Terminal and Oct). Construction Commer	releases remaining Equipment R	FQ's plus Sub Contractor
Project Milectores	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Project Milestones Long-Lea	ad 201809 Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Month
Engineering				-
Contracting	Electrical Environme		Instrumentation Mechanical	Structural
Destant Kennell Col. 11/01	Structural on Electrical Mechanica	Control Room	Storage NDE	
Project Key Needs Civil/Site		A1	0	
Project Key Needs Civil/Site Instrumentatio Piping/Fittings Communicatio	s Insulation/Coatings Environme	ental Utilities	Valves Pumps Transportation	
Instrumentation Piping/Fittings	s Insulation/Coatings Environme	ental Utilities		
Instrumentatio Piping/Fittings Communicatio	s Insulation/Coatings Environme	ental Utilities		
Instrumentatio Piping/Fittings Communicatio Matter Phase	s Insulation/Coatings Environme	ental Utilities		

Plant Standard Contacts						
Functional/Actual Title	Contact Name/E-mail	Telephone/0			QC Date/Linke	edin ID
•	Normand 'Norm' Racicot		0 779 9190 / [Alt.] +1 361	542 0079	May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No			norm-racicot-8	5aa0697
	Normand 'Norm' Racicot		0 779 9190 / [Alt.] +1 361	542 0079	May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No			norm-racicot-8	5aa0697
	Normand 'Norm' Racicot		0 779 9190 / [Alt.] +1 361	542 0079	May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No			norm-racicot-8	5aa0697
	Normand 'Norm' Racicot	[Phn.] +1 36	1 542 0079		May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No			norm-racicot-8	5aa0697
Environmental Manager		[Phn.] +1 21	0 920 2255		May-2023	
	juan.tascon@epicmid.com	No			juan-ramon-tas	scon-36886a27
Safety Manager		[Phn.] +1 210 495 5577			May-2023	
	juan.tascon@epicmid.com	No			juan-ramon-tascon-36886a27	
-	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [Alt.] +1 361 542 0079			May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No			norm-racicot-8	5aa0697
Human Resource Manager	Jessica Roy	[Phn.] +1 21	0 569 6696		May-2023	
Executive Assistant	jessica.roy@epicmid.com	No			jessica-roy-21487244	
		His	torical Reports			
Project Name			Report Date		TIV	Phase
ORLA GRASSROOT EPIC (CRUDE OIL AND CONDENSATE	E TERMINAL	10-Mar-2017	50	0,000,000 USD	Project Justification (P1 - 16)
ORLA GRASSROOT EPIC O	CRUDE OIL AND CONDENSATE	E TERMINAL	23-Jan-2018	50	0,000,000 USD	Project Justification (P1 - 16)
ORLA GRASSROOT EPIC	CRUDE OIL AND CONDENSATE	TERMINAL	13-Jul-2018	50),000,000 USD	Permitting (P2 - 18)
ORLA GRASSROOT EPIC	CRUDE OIL AND CONDENSATE	TERMINAL	06-Dec-2018	50),000,000 USD	Permitting (P2 - 18)
ORLA GRASSROOT EPIC O	CRUDE OIL AND CONDENSATE	TERMINAL	14-Dec-2018	50),000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC O	CRUDE OIL AND CONDENSATE	TERMINAL	13-Aug-2019	15	5,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC O	CRUDE OIL AND CONDENSATE	E TERMINAL	15-Jan-2020	15	5,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC O	CRUDE OIL AND CONDENSATE	TERMINAL	13-Feb-2020	15	5,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC (CRUDE OIL AND CONDENSATE	TERMINAL	04-Mar-2020	15	5,000,000 USD	Final Commissioning (C1 - 40)
ORLA GRASSROOT EPIC	CRUDE OIL AND CONDENSATE	TERMINAL	06-Apr-2020			Final Commissioning (C1 - 40)
	CRUDE OIL AND CONDENSATE		•			Completion/Start-Up (C1 - 41)
	VED Industrial Info Resources		•		,,	,

tal PEC Report				he last release of the project	Project ID: 30034
-	Project Name				
	-	EPIC CRUDE OIL PIPE		CONDENSATE TERMINAL	<u>PEC Activity Dia</u> Umbrella Project Cou
	•				ombrena i roject ood
Umbrella Proje	•				
In	•	02 Terminals		Project Type Grassr	oot
	• •	15,000,000	ationa 9	Conton Crudo	Oil Stores
	SIC Code	5171 Petroleum Bulk Sta Terminals	alions &	Sector Crude	
	SIC Product	5171*0003 Crude Petrol	eum Storage		~ Har
м	arket Trends	Impacted by COVID-19	-		E.
		Complete / Done	Last Updat		ease 10-Mar-2017
Er	vironmental	Air (A) Land (L)		Construction Labor Preference	
_				Operations Labor Preference	ce Union, Non-Unior
Proj	ect Capacity	Plan	ned 100,000 BBL of Cru	ide Oil Storage	
	Plant Owner	EPIC Midstream Holding	js, LP	Plant Parent EPIC N	Midstream Holdings, LP
	Plant Name	Crane EPIC Crude Oil &		Unit Name	
	Diant ID	Condensate Terminal			
		3238598 1855 Dump Ground Roa	d	Phone +1 210	560 6606
		Crane, Texas 79731 U.S		Zone/County TX*06,	
Project R	-	Project Company		•	t Contact
		EPIC Midstream Holding	as, LP	Grant ⁻	
-	.	18615 Tuscany Stone, S	-		t Engineer - Pipeline
		San Antonio, Texas 782	58	[Tel.] +	-1 210 495 5577
		U.S.A.		[E-Mai	I] ; [LinkedIn] grant-terry-35974311a
Proje	ct Executive	EPIC Midstream Holding	js, LP	Justin	Gordon
		18615 Tuscany Stone, S			resident Engineering & Operations
		San Antonio, Texas 782	58		-1 210 569 6696
		U.S.A.			I] justin.gordon@texstarlogistics.com dln] justin-gordon-2a213241
Proje	ct Executive	EPIC Midstream Holding	ne I P	Phillip	
i i oje		18615 Tuscany Stone, S		•	Executive Officer
		San Antonio, Texas 782			-1 210 569 6696
		U.S.A.		[E-Mai	I] phil.mezey@texstarlogistics.com
	G/C	MPG Pipeline Contracto	rs LLC	Bruce	Ainsworth
		16770 Imperial Valley, S	uite 105	Operat	tions Manager
		Houston, Texas 770660			-1 713 904 1168 x9910
		U.S.A.		-	I] bainsworth@mpg-plc.com
	G/C	Pumpco Incorporated			Mares
		P O Box 742 Giddings, Texas 78942			
		U.S.A.			-1 979 542 9054 I] robert.mares@pumpco.cc
F	PEC® Timing			PEC® Activity Comple	<u> </u>
	-	Completed (100%)		T LOS ACTIVITY COMP	
			Contractors	(G/C) and Pumpco Incorporated	d (G/C) continues Construction for a
					50,000 aboveground storage tanks p
					or transport to Corpus Christi via planr e Preparation, Foundations, Tank Pac
					coatings, Painting, Electrical Utilities,
					NTAL: (A) Leak Detection, Flare Tie-I
	O a b a shula	Vapor Recovery; (L) Cor	, , , ,		
	Schedule				d (G/C) continues Construction for a Equipment RFQ's plus Sub Contracto
					xpected Project Completion 2Q20 (Ma
	Details	Apr-2020 Minor delay in	start up due to COVID1	9.	
Project Milestone	e.	AFF	E 201812 Sub Bid D	oc 201812 Completio	n 11-May-2020 Precision MONTH
i i oject innestorie	Long-Le	ad 201809 Equip RFG	2 201812 Kick-	Off 201812 Kickoff Slippag	e 9 Months Duration 18 Mont
Engineering					
Engineering			Environmental	Instrumentation M	lechanical Structural
Contracting	Civil/Site	Structural	Control R		
Contracting Project Key Needs		on Electrical	Mechanical	0	IDE
Contracting Project Key Needs	Instrumentati				
Contracting Project Key Needs	Instrumentation Piping/Fitting	s Insulation/Coatings E	Environmental Utilities		Pumps
Contracting Project Key Needs	Instrumentati	s Insulation/Coatings E ons	Environmental Utilities		ransportation
Contracting Project Key Needs Matter Phase	Instrumentation Piping/Fitting	s Insulation/Coatings E	Environmental Utilities		•
Contracting Project Key Needs Matter Phase Energy	Instrumentation Piping/Fitting Communication	s Insulation/Coatings E ons	Environmental Utilities		•
Contracting Project Key Needs Matter Phase Energy	Instrumentation Piping/Fitting	s Insulation/Coatings E ons	Environmental Utilities		•

		Plant Standard Cor	ntacts
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Matt Warren	[Phn.] +1 210 620 4593	Apr-2023
WTX Senior Operations Manager Crude, NGL		No	
Maintenance Manager	Matt Warren	[Phn.] +1 210 620 4593	Apr-2023
WTX Senior Operations Manager Crude, NGL		No	
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Apr-2023
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	William Crochet	[Phn.] +1 713 395 6340	Apr-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Environmental Manager	William Crochet	[Phn.] +1 713 395 6340	Apr-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Safety Manager	William Crochet	[Phn.] +1 713 395 6340	Apr-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Utilities Manager	Matt Warren	[Phn.] +1 210 620 4593	Apr-2023
WTX Senior Operations Manager Crude, NGL		No	
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	Apr-2023
		No	annagorshkovasmith

Historical Reports						
Project Name	Report Date	TIV	Phase			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	10-Mar-2017	50,000,000 USD	Project Justification (P1 - 16)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	23-Jan-2018	50,000,000 USD	Project Justification (P1 - 16)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	13-Jul-2018	50,000,000 USD	Permitting (P2 - 18)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	06-Dec-2018	50,000,000 USD	Permitting (P2 - 18)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	14-Dec-2018	50,000,000 USD	Construction - Merit Shop (C1 - 36)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	13-Aug-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	15-Jan-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	13-Feb-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	04-Mar-2020	15,000,000 USD	Final Commissioning (C1 - 40)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	06-Apr-2020	15,000,000 USD	Final Commissioning (C1 - 40)			
CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	11-May-2020	15,000,000 USD	Completion/Start-Up (C1 - 41)			

ay data highlightad in rad halas	wie date that has been added or	undeted in the last rela		
pital PEC Report	w is data that has been added or	updated in the last rele	ase of the project	Project ID: 3003412
	e MIDLAND GRASSROOT EPIC CR			PEC Activity Diag
	e EPIC CRUDE OIL PIPELINE	UDE OIL AND CONDEN	SATE TERMINAL	Umbrella Project Coun
				ombrena i roject ooun
Umbrella Project Summar	y			
-	e 02 Terminals	P	roject Type Grassroot	
•) 15,000,000			577
SIC Cod	e 5171 Petroleum Bulk Stations &		Sector Crude Oil Storage	1 Martin
SIC Produc	Terminals t 5171*0003 Crude Petroleum Stora	00		a start
	s Impacted by COVID-19	ge		<u>u</u>
	s Complete / Done	Last Update 11-May-2	2020 Initial Release 10-Mar-2	017
	al Air (A) Land (L)		on Labor Preference Unconfirme	ed
		Operatio	ns Labor Preference Union, Non	-Unior
Project Capacit	y Planned 100,0	00 BBL of Crude Oil Stora	age	
Blant Owns	FDIC Midetroom Holdings I D		Plant Parant EDIC Midatroom Hol	dingo I D
	er EPIC Midstream Holdings, LP e Upton Crude & Condensate	r	Plant Parent EPIC Midstream Hole Unit Name	ungs, LP
	Terminal		onit Name	
Plant II	D 3238597			
Locatio	n 2354 E Farm to Market 2401		Phone +1 210 569 6696	
City/Stat	e Midkiff, Texas 79755 U.S.A.	Z	one/County TX*06, Upton	
Project Responsibilit			Project Contact	
Project Manage	r EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 300		Project Engineer - Pi	
	San Antonio, Texas 78258		[Tel.] +1 210 495 557	
	U.S.A.			rant-terry-35974311a
Project Executiv	e EPIC Midstream Holdings, LP		Justin Gordon	
	18615 Tuscany Stone, Suite 275		Vice President Engin	• •
	San Antonio, Texas 78258 U.S.A.		[Tel.] +1 210 569 669	@texstarlogistics.com;
	0.3.A.		[LinkedIn] justin-gord	
Project Executiv	e EPIC Midstream Holdings, LP		Phillip Mezey	
	18615 Tuscany Stone, Suite 275		Chief Executive Offic	er
	San Antonio, Texas 78258		[Tel.] +1 210 569 669	
	U.S.A.		[E-Mail] phil.mezey@	texstarlogistics.com
G/0	C MPG Pipeline Contractors LLC		Bruce Ainsworth	
	16770 Imperial Valley, Suite 105		Operations Manager	
	Houston, Texas 770660		[Tel.] +1 713 904 116	68 x9910
	U.S.A.		[E-Mail] bainsworth@	mpg-plc.com
G/e	C Pumpco Incorporated		Robert Mares	
	P O Box 742		Field Superintendent	
	Giddings, Texas 78942		[Tel.] +1 979 542 905	
	U.S.A.		[E-Mail] robert.mares	@pumpco.cc
PEC® Timin Project Probabilit	-	PE	C® Activity Completion/Start-Up	
-	y Completed (100%) e EPIC Midstream with MPG Pipeline	e Contractors (G/C) and F	Pumpco Incorporated (G/C) continu	les Construction for a
	Grassroot Crude Oil and Condensa plus (2) truck unloading racks to co planned 730-mile 600,000 BBL/d E Pads, Plate Steel, Pipe Racks, Cor Pumps, Motors, Fire Protection, M0	ate Receipt Terminal. DET ollect Eagle Ford shale cru pic Pipeline (Project ID: 3 ntrol Valves, Headers, Me	TAILS: Construct (2) 50,000 BBL a ide oil and condensate for transpo 00340737). REQUIRES: Site Prej tering, Truck Unloading, Coatings	boveground storage tan rt to Corpus Christi via paration, Foundations, Ta Painting, Electrical Utilit
Schedul	Vapor Recovery; (L) Containment, e EPIC Midstream with MPG Pipeline	Liners, Dikes. e Contractors (G/C) and F	Pumpco Incorporated (G/C) continu	ues Construction for a
Detail	Grassroot Crude Oil and Condensa Documents 4Q18 (Dec) - 4Q19 (Oo s Apr-2020 Minor delay in Startup du	ct). Construction Commer	0	•
Project Milectory	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Project Milestones Long-L	ead 201809 Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Month
Engineering				
Contracting	Electrical Environment	ntal	Instrumentation Mechanical	Structural
Project Key Needs Civil/Site	Structural	Control Room		
Instrumenta	tion Electrical Mechanica	l	Storage NDE	
Piping/Fittin		ntal Utilities	Valves Pumps	
Communica			Transportation	
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

15,000,000 USD Final Commissioning (C1 - 40)

15,000,000 USD Completion/Start-Up (C1 - 41)

		Plant Standard Co	ntacts		
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site		QC Date/Lin	kedin ID
Plant Manager	Matt Warren	[Phn.] +1 210 620 4593	3	May-2023	
WTX Senior Operations Manager Crude, NGL		No			
Maintenance Manager	Cliff Self	[Phn.] +1 210 569 6696	3	May-2023	
Pipeline Operations Manager		No		cliff-self-957	1681b8
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255		May-2023	
	travis.mcgloughlin@epicmid.com	No		travis-mcglou	ughlin-593b5615
Engineering Manager	Brad Baker	[Phn.] +1 210 920 2255	5 / [Alt.] +1 210 784 7386	May-2023	
Director of Technical Services	brad.k.baker@epicmid.com	No		brad-baker-3	124621a
Environmental Manager	William Crochet	[Phn.] +1 713 395 6340)	May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No		william-crochet-50a25b146	
Safety Manager	William Crochet	[Phn.] +1 713 395 6340)	May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No		william-crochet-50a25b146	
Utilities Manager	Cliff Self	[Phn.] +1 210 569 6696	3	May-2023	
Pipeline Operations Manager		No		cliff-self-957	1681b8
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340)	May-2023	
		No		annagorshko	ovasmith
		Historical Repo	orts		
Project Name		Report	Date	TIV	Phase
MIDLAND GRASSROOT EP	IC CRUDE OIL AND CONDENSA	TE TERMINAL 10-Mar	-2017 50,0	00,000 USD	Project Justification (P1 - 16)
MIDLAND GRASSROOT EP	IC CRUDE OIL AND CONDENSA	TE TERMINAL 23-Jan-	2018 50,0	00,000 USD	Project Justification (P1 - 16)
MIDLAND GRASSROOT EP	IC CRUDE OIL AND CONDENSA	TE TERMINAL 13-Jul-2	2018 50,0	00,000 USD	Permitting (P2 - 18)
MIDLAND GRASSROOT EP	IC CRUDE OIL AND CONDENSA	TE TERMINAL 06-Dec	-2018 50,0	00,000 USD	Permitting (P2 - 18)
	IC CRUDE OIL AND CONDENSA				Construction - Merit Shop (C1 - 36)
	IC CRUDE OIL AND CONDENSA				Construction - Merit Shop (C1 - 36)
	IC CRUDE OIL AND CONDENSA	-			Construction - Merit Shop (C1 - 36)
	IC CRUDE OIL AND CONDENSA				Construction - Merit Shop (C1 - 36)
	IC CRUDE OIL AND CONDENSA		,-		Final Commissioning (C1 - 40)
	IS SHOPE SIE AND GONDENOA				

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MIDLAND GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL 06-Apr-2020

MIDLAND GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL 11-May-2020

ital PEC Report		is data that has been adde		·	Project ID: 30034124
Projec	t Name (COOKS POINT GRASSROO	T EPIC CRUDE OIL AND	CONDENSATE RECEIVIN	PEC Activity Diagrar
Umbrella Projec	t Name	EPIC CRUDE OIL PIPELINE		L	mbrella Project Count 2
Umbrella Project Su	ummary				
Industr	ry Code	02 Terminals		Project Type Grassroot	
		15,000,000			577
SI		5171 Petroleum Bulk Stations Terminals	s &	Sector Crude Oil Storage	CT ST
SIC I		5171*0003 Crude Petroleum	Storage		
		Impacted by COVID-19			E.
		Complete / Done	Last Update 11-M		
Enviror	nmental A	Air (A) Land (L)		ruction Labor Preference Unconfirmed	
Due is at O		Diamand	•	rations Labor Preference Union, Non-U	Julot
Project C			100,000 BBL of Crude Oil S	5	
		EPIC Midstream Holdings, LF	2	Plant Parent EPIC Midstream Holdi	ngs, LP
Plan		Cooks Point Crude Oil & Condensate Terminal		Unit Name	
1	Plant ID 3				
L	ocation F	FM 1362 South of Cooks Poin	nt	Phone +1 210 495 5577	
Cit	•	Cooks Point, Texas 77836		Zone/County TX*03, Burleson	
Project People		U.S.A. Project Company		Brojost Contast	
	-	EPIC Midstream Holdings, LF	2	Project Contact Grant Terry	
		18615 Tuscany Stone, Suite		Project Engineer - Pipe	eline
		San Antonio, Texas 78258		[Tel.] +1 210 495 5577	
		U.S.A.		[E-Mail] ; [LinkedIn] gra	ant-terry-35974311a
Project Ex		EPIC Midstream Holdings, LF		Justin Gordon	aring 8 Operations
		18615 Tuscany Stone, Suite : San Antonio, Texas 78258	275	Vice President Engine [Tel.] +1 210 569 6696	• •
		U.S.A.		[E-Mail] justin.gordon@	
				[LinkedIn] justin-gordo	n-2a213241
Project Ex		EPIC Midstream Holdings, LF		Phillip Mezey	_
		18615 Tuscany Stone, Suite : San Antonio, Texas 78258	275	Chief Executive Office [Tel.] +1 210 569 6696	
		U.S.A.		[E-Mail] phil.mezey@te	
	G/C	MPG Pipeline Contractors LL	.C	Bruce Ainsworth	
		16770 Imperial Valley, Suite	105	Operations Manager	
		Houston, Texas 770660 U.S.A.		[Tel.] +1 713 904 1168	
		Pumpco Incorporated		[E-Mail] bainsworth@r Robert Mares	ipg-pic.com
	_	P O Box 742		Field Superintendent	
		Giddings, Texas 78942		[Tel.] +1 979 542 9054	
		U.S.A.		[E-Mail] robert.mares@	pumpco.cc
	Timing (PEC® Activity Completion/Start-Up	
Project Pro	•	Completed (100%)	ineline Contractors (G/C) o	ontinues Construction for a Grassroot C	rude Oil and Condensate
				boveground storage tanks plus (2) truck	
				to Corpus Christi via planned 730-mile paration, Foundations, Tank Pads, Plate	
				Painting, Electrical Utilities, Pumps, Mot	
		•	ENVIRONMENTAL: (A) Lea	ak Detection, Flare Tie-Ins, Vapor Recov	ery; (L) Containment,
S		Liners, Dikes. EPIC Midstream with MPG P	ineline Contractors continue	es Construction for a Grassroot Crude C)il and Condensate
00				Q's plus Sub Contractor Bid Documents	
	(Commenced 4Q18 (Dec). Ex		2Q20 (May).	
	Detall	Apr-2020 Minor delay in Start	•	12 Completion 11 May 2000	Provision MONITH
	Details /		810 Sub Bid Doc 2018	12 Completion 11-May-2020	Precision MONTH
Project Milestones		AFE 201	812 Kiek Off 2010	12 Kickoff Slippage O Months	Duration 19 Months
-	Long-Lead	d 201809 Equip RFQ 201			Duration 18 Months
Project Milestones Engineering Contracting	Long-Lea d Civil	d 201809 Equip RFQ 201 Electrical	812 Kick-Off 2018 Environmental Environmental	12 Kickoff Slippage 9 Months Instrumentation Mecha Instrumentation Mecha	nical Structural
Engineering	Long-Lea d Civil	d 201809 Equip RFQ 201 Electrical	Environmental	Instrumentation Mecha	nical Structural nical Structural Gene
Engineering Contracting Project Key Needs	Long-Lead Civil Civil Civil/Site	d 201809 Equip RFQ 201 Electrical Electrical Structural	Environmental Environmental	Instrumentation Mecha Instrumentation Mecha	nical Structural
Engineering Contracting Project Key Needs	Long-Lead Civil Civil Civil/Site Instrumer	d 201809 Equip RFQ 201 Electrical Electrical Structural ntation Electrical	Environmental Environmental Mechanical	Instrumentation Mecha Instrumentation Mecha NDE	nical Structural nical Structural Gene [G/C]
Engineering Contracting Project Key Needs	Long-Lead Civil Civil Civil/Site	d 201809 Equip RFQ 201 Electrical Electrical Structural Intation Electrical titings Insulation/Coatings	Environmental Environmental	Instrumentation Mecha Instrumentation Mecha NDE Valves Pumps	nical Structural nical Structural Gene [G/C]
Engineering Contracting Project Key Needs	Long-Lead Civil Civil Civil/Site Instrumer Piping/Fit	d 201809 Equip RFQ 201 Electrical Electrical Structural Intation Electrical titings Insulation/Coatings	Environmental Environmental Mechanical	Instrumentation Mecha Instrumentation Mecha NDE Valves Pumps	nical Structural nical Structural Gene [G/C]

Buy	Electricity
Sell	

Plant Standard Contacts						
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID			
Plant Manager	Grover Clifton	[Phn.] +1 210 920 2255	May-2023			
VP Operations		No				
Maintenance Manager	Cody Ward	[Phn.] +1 210 920 2255	May-2023			
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3			
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	May-2023			
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615			
Engineering Manager	Brad Baker	[Phn.] +1 210 920 2255 / [Alt.] +1 210 784 7386	May-2023			
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a			
Environmental Manager	William Crochet	[Phn.] +1 210 920 2255	May-2023			
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146			
Safety Manager	William Crochet	[Phn.] +1 210 920 2255	May-2023			
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146			
Utilities Manager	Cody Ward	[Phn.] +1 210 920 2255	May-2023			
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3			
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	May-2023			
		No	annagorshkovasmith			

Historical Reports

Project Name	Report Date	TIV	Phase
ARTESIA WELLS GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	10-Mar-2017	50,000,000 USD	Project Justification (P1 - 16)
ARTESIA WELLS GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	23-Jan-2018	50,000,000 USD	Project Justification (P1 - 16)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	13-Jul-2018	50,000,000 USD	Permitting (P2 - 18)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	06-Dec-2018	50,000,000 USD	Permitting (P2 - 18)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	11-Dec-2018	50,000,000 USD	Construction - Merit Shop (C1 - 36)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	30-Jul-2019	50,000,000 USD	Construction - Merit Shop (C1 - 36)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	13-Aug-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	15-Jan-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	13-Feb-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	04-Mar-2020	15,000,000 USD	Final Commissioning (C1 - 40)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	06-Apr-2020	15,000,000 USD	Final Commissioning (C1 - 40)
COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVING TERMINAL	11-May-2020	15,000,000 USD	Completion/Start-Up (C1 - 41)
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an alata bindukadin asal balar		a constant in the last value	-	
ipital PEC Report	w is data that has been added o	or updated in the last rele	ase of the project	Project ID: 3003412
	HELENA GRASSROOT EPIC CH			PEC Activity Diagr
	IE EPIC CRUDE OIL PIPELINE	RODE OIL AND CONDENS		Umbrella Project Count
Umbrella Project Summar	•	_		
-	le 02 Terminals	P	roject Type Grassroot	
	D) 50,000,000 le 5171 Petroleum Bulk Stations &		Sector Crude Oil Storage	
	Terminals		Sector Crude On Storage	
SIC Produc	ct 5171*0003 Crude Petroleum Stor	rage		
Market Trend	Is Impacted by COVID-19			<u>a</u>
	IS Complete / Done	Last Update 11-May-2		
Environment	al Air (A) Land (L)		on Labor Preference Unconfirme	
Drainet Canadi	Diamod 400	-	ns Labor Preference Union, Nor	-01101
Project Capacit		,000 BBL of Crude Oil Stora		
	er EPIC Midstream Holdings, LP		Plant Parent EPIC Midstream Hol	dings, LP
Plant Nam	ne Helena Crude Oil & Condensate Terminal		Unit Name	
Plant I	D 3238594			
	n Route 81 Southeast of Helena		Phone +1 210 569 6696	
City/Stat	te Helena, Texas 78830 U.S.A.	Zo	one/County TX*09, Karnes	
Project Responsibilit			Project Contact	
Project Manage	er EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 300		Project Engineer - Pi	
	San Antonio, Texas 78258		[Tel.] +1 210 495 557	
Drojact Everytin	U.S.A.			grant-terry-35974311a
Project Executiv	/e EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275		Justin Gordon Vice President Engin	eering & Operations
	San Antonio, Texas 78258		[Tel.] +1 210 495 557	• •
	U.S.A.			@texstarlogistics.com;
			[LinkedIn] justin-gord	on-2a213241
Project Executiv	/e EPIC Midstream Holdings, LP		Phillip Mezey	
	18615 Tuscany Stone, Suite 275		Chief Executive Offic	
	San Antonio, Texas 78258 U.S.A.		[Tel.] +1 210 495 557 [E-Mail] phil.mezey@	
G	C MPG Pipeline Contractors LLC		Bruce Ainsworth	elevatariogistics.com
6,	16770 Imperial Valley, Suite 105		Operations Manager	
	Houston, Texas 770660		[Tel.] +1 713 904 116	
	U.S.A.		[E-Mail] bainsworth@	mpg-plc.com
G/	C Pumpco Incorporated		Robert Mares	
	P O Box 742		Field Superintendent	
	Giddings, Texas 78942		[Tel.] +1 979 542 905	
	U.S.A.	DE	[E-Mail] robert.mares	eepumpco.cc
PEC® Timin Project Probabilit	ty Completed (100%)	PE	C® Activity Completion/Start-Up	
•	e EPIC Midstream with MPG Pipeli	ine Contractors (G/C) and P	umpco Incorporated (G/C) continu	ues Construction for a
	Grassroot Crude Oil and Conden	sate Receipt Terminal. DET	AILS: Construct (2) 50,000 BBL a	boveground storage tank
			de oil and condensate for transpo 00340737).REQUIRES: Site Prep	
			tering, Truck Unloading, Coatings	
			ntrols. ENVIRONMENTAL: (A) Lea	ak Detection, Flare Tie-Ins
0 - h - d - l	Vapor Recovery; (L) Containmen	, ,		····
Schedu	Ie EPIC Midstream with MPG Pipeli Grassroot Crude Oil and Conden	()	releases remaining Equipment RF	
		•	iced 4Q18 (Dec). Expected Project	•
Detai	Is Apr-2020 Minor delay in startup of	due to COVID19.		
Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Long-L	Lead 201810 Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Months
Engineering				
Contracting	Electrical Environm		Instrumentation Mechanical	Structural
Project Key Needs Civil/Site	Structural ation Electrical Mechanic	Control Room	NDE	
Piping/Fittin			NDE Valves Pumps	
Communica	• •		Transportation	
Matter Phase	Liquid			
Energy	Liquid			
Buy Electricity				
Sell				

		Plant Standa	ard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-s		QC Date/Lin	kedin ID	
Plant Manager	Robert McQuarrie	[Phn.] +1 210 42	5 4871 / [Alt.] +1 830 203 980	06 Apr-2023		
STX Terminal Operations Manager	robert.mcquarrie@epicmid.com	No		robert-mcqu	arrie-527031a7	
Maintenance Manager	Robert McQuarrie	[Phn.] +1 210 42	5 4871 / [Alt.] +1 830 203 980	06 Apr-2023		
STX Terminal Operations Manager	robert.mcquarrie@epicmid.com	No		robert-mcqu	arrie-527031a7	
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 92	0 2255	Apr-2023		
Procurement Manager	travis.mcgloughlin@epicmid.com	No		travis-mcglo	ughlin-593b5615	
Engineering Manager	Brad Baker	[Phn.] +1 210 49	5 5577 / [Alt.] +1 210 784 738	36 Apr-2023		
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No		brad-baker-	3124621a	
Environmental Manager	William Crochet	[Phn.] +1 210 92	0 2255	Apr-2023		
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No		william-croc	het-50a25b146	
Safety Manager	William Crochet	[Phn.] +1 210 92	0 2255	Apr-2023		
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No		william-crock	william-crochet-50a25b146	
-	Robert McQuarrie	[Phn.] +1 210 42	5 4871 / [Alt.] +1 830 203 980	06 Apr-2023		
STX Terminal Operations Manager	robert.mcquarrie@epicmid.com	No		robert-mcqu	arrie-527031a7	
Human Resource Manager	Anya Smith	[Phn.] +1 912 23	6 1579	Apr-2023		
		No		annagorshk	ovasmith	
		Historica	I Reports			
Project Name			Report Date	TIV	Phase	
BIG WELLS GRASSROOT E	EPIC CRUDE OIL AND CONDENS	SATE TERMINAL	10-Mar-2017 50	0,000,000 USD	Project Justification (P1 - 16)	
BIG WELLS GRASSROOT	EPIC CRUDE OIL AND CONDENS	SATE TERMINAL	23-Jan-2018 50	0,000,000 USD	Project Justification (P1 - 16)	
HELENA GRASSROOT EPI	C CRUDE OIL AND CONDENSAT	E TERMINAL	13-Jul-2018 50),000,000 USD	Permitting (P2 - 18)	
HELENA GRASSROOT EPI	C CRUDE OIL AND CONDENSAT	E TERMINAL	06-Dec-2018 50),000,000 USD	Permitting (P2 - 18)	
HELENA GRASSROOT EPI	C CRUDE OIL AND CONDENSAT	E TERMINAL	14-Dec-2018 50),000,000 USD	Construction - Merit Shop (C1 - 36)	
HELENA GRASSROOT EPI	C CRUDE OIL AND CONDENSAT	E TERMINAL	30-Jul-2019 50),000,000 USD	Construction - Merit Shop (C1 - 36)	
HELENA GRASSROOT EPI	C CRUDE OIL AND CONDENSAT	E TERMINAL	13-Aug-2019 50	0,000,000 USD	Construction - Merit Shop (C1 - 36)	
HELENA GRASSROOT EPI	C CRUDE OIL AND CONDENSAT	E TERMINAL	-		Construction - Merit Shop (C1 - 36)	
	C CRUDE OIL AND CONDENSAT				Construction - Merit Shop (C1 - 36)	
	C CRUDE OIL AND CONDENSAT				Final Commissioning (C1 - 40)	
	C CRUDE OIL AND CONDENSAT				Final Commissioning (C1 - 40)	
	C CRUDE OIL AND CONDENSAT				Completion/Start-Up (C1 - 41)	
	VED Industrial Info Resources In		•	,,	Completion/Start-Op (C1 - 41)	

Unbrolla Project Name EPIC CRUDE OIL PIPELINE Umbrolla Project Cou Unbrolla Project Summary Project Type Grassroot TV (USD) 15.000.000 Sector Crude OII Slorage Si Code ST1 Perroleum Bik Stations & Terminals Sector Crude OII Slorage Si Code ST1 Perroleum Dik Stations & Terminals Sector Crude OII Slorage Market Trends Impacted by COVID-19 Statis Compiled / Dono Statis Compiled / Dono Last Update 11:May-2020 Initial Release 10:Mar-2017 Construction Labor Preference Union, Non-Union Operations Labor Preference Union, Non-Union Project Capacity Planted 100:000 BBL of Crude OII Storage Plant Name Sangoas EPIC Crude OI and Plent Name Sangoas T9772 U.S.A. Zone/County TX/06, Reeves Project Responsibility Project Company Project Capacity Project Responsibility Project Company Project Cangit Terminal Project Responsibility Project Company Project Cangit Terminal Project Responsibility Project Company Project Cangit Terminal Project Responsibility Project Company U.S.A. Project Responsibility Project Conde OII and U.S.A. U.S.A. Project Responsibility Project Company Project Cangit Terminal Project Responsibility Project Company			and a start of the distance of the		SPLDC-ID
Project Name SC COULDE OL PIPELINE Unitworker SC CAUDE OL AND CONDENSATE RECEIPT TE CLAMBURDOUT CONTINUE CONTINUES TO TENTIAL C		is data that has been added o	r updated in the last rele	ease of the project	Project ID: 300341
Unbrella Project Summary Umbrella Project Summary Unbrella Project Summary Project Type Grassnot TY (USD) 15:00000 Sector Cnds OI Storage SSC Product 5171 '2003 Clube Petroleum Storage Sector Cnds OI Storage Market Trends Imaginated by COVID-1 Last Update 11-May-2020 Initial Release 10-Mar:2017 Environmental Ar (A) Land (L) Construction Labor Preference Non-Union Operations Labor Preference Non-Union Operations Labor Preference Non-Union Operations Labor Preference Non-Union Operations Labor Preference Non-Union Project Capacity Plant Oncol Status Conference Union, Non-Union Operations Labor Preference Non-Union Project Capacity Plant Oncol Status Conference Union, Non-Union Operations Labor Preference Union, Non-Union Project Capacity Plant Oncol Status Conference Union, Non-Union Operations Labor Preference Union, Non-Union Operations Labor Preference Union, Non-Union Devision Status Conference Union, Non-Union Operations Labor Preference Union, Non-Union Project Capacity Plant Dia 235801 Pontot Compary Project Capacity Location Southeast of Status Status Conference Plant Dia 235801 Plant Dia 235801 Location Southeast of Status Status Conferenc		SARAGOSA GRASSROOT EPIC	CRUDE OIL AND CONDE	ENSATE RECEIPT TE	PEC Activity Diag
Industry Code 02 Terminals Project Type Grassout SIC Product 5171'0003 Clube Patrieum Storage Sector Clude OI Storage Site Visionals Sector Clube OI Storage Site Visionals Construction Labor Preference Non-Union Construction Southeast of Strangess Project Capacity Plant Ome: EPIC Midstream Holding, LP Plant Names Stranges EPIC Cludd Coll and Conformation Southeast of Strangess Project Context Project Context Conformation Southeast of Strangess Project Capacity Plant Names Strangess Project Context Conformation Southeast of Strangess Project Context Conformation Southeast of Strangess Project Context Conformation Context 725 Project Executive EPIC Midstream Holdings, LP USA. EleMall Linkeding Paratery Strangess Project Executive EPIC Midstream Holdings, LP USA. Project Context Conformation Context 725 Project Executive EPIC Midstream Holdings, LP USA. Project Context Conformation Context 725 USA. EleMall Jianu, option Bitterstrangesites.com USA. EleMall Jianupprotein Context 725 USA. EleMall Jianupprotein Context 725 USA. EleMall Jianupprote	Umbrella Project Name	EPIC CRUDE OIL PIPELINE			Umbrella Project Coun
TV (USD) 15,000,00 Sector Crude OI Storage SIC Cetes (317) Tools Crude Petroleum Storage Market Trends impacted by COVID-19 Status Complexity Last Update 11-May-2020 Initial Release 10-Mar-2017 Departmental Art (A) Land (A) Construction Labor Preference Mon-Moino Operations Project Capacity Planned 100,000 BBL of Coulde OI Storage Project Capacity Planned 100,000 BBL of Coulde OI Storage Plann Warre EPIC Midstream Holdings, LP Plann Parent EPIC Midstream Holdings, LP Plann Warre Storagosa EPIC Coulde OI and Countered Count Parents Project Responsibility Project Compary Project Responsibility Project Compary Project Condet VUS A. Condet Condet Project Responsibility Project Condet Project Condet Project P	Umbrella Project Summary	/			
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18161 Tuscany Stone, Suite 275 Vice President Engineering & Operations Son Antonio, Texas 78258 ITel +1 210 495 557 U.S.A. [E-Mail] justin.gordon@texstanlogistics.com : [LinkedIn] justin.gordon@texstanlogistics.com : [LinkedIn] justin.gordon@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com : U.S.A. Philip Mezey Project Executive EPIC Midstream Holdings, LP 181615 Tuscany Stone, Suite 275 Philip Mezey Image: Son Antonio, Texas 78258 Image: Tel 4 + 120 495 5577 U.S.A. [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com Image: Son Antonio, Texas 770660 [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com U.S.A. [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.mezey@texstanlogistics.com : [E-Mail] phil.propert.pr				• • • • •	grant-terry-35974311a
San Antonio, Texas 78258 U.S.A. [F-II] + 1 210 495 5577 U.S.A. [F-III] justin_gordon@texetarojetitos.com i LinkedIn] justin-gordon@texetarojetitos.com i LinkedIn] politinezeg@texetarojetitos.com i LinkedIn] politinezeg@te	Project Executive	-			neering & Operations
Project Executive EPIC Midstream Holdings, LP phillip Mazey 18615 Tuscany Stone, Suite 275 Chile Executive Officer San Antonio, Texas 78258 [Fel.] + 1 21 0 495 5577 U.S.A. [Fel.Mail] phil.mezey@ texstarlogistics.com 6/C MPG Pipeline Contractors LLC Bruce Ainsworth 18770 Imperial Valley, Suite 105 Operations Manager Houston, Texas 770660 [Fel.Mail] bainsworth@mgg-plc.com 6/C Pumpco Incorporated Robert Mares P O Box 742 Field Superintendent Giddings, Texas 78942 [Fel.Mail] robert.mares@pumpco.cc PEC@ Timing C1 PEC@ Activity Completion/Start-Up Project Probability Completed (100%) Scope EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal. DETALLS: Construct (2) 50.000 BBL aboveground storage Ia plus (2) ruku unloading racks to collect Eagle Ford shale crude oil and condensate for transport to Corpus Chils Ivia planned 730-mile 600.000 BBL/d Epic Pipeline (Freijed ID: 30040737), REOURERS: Site Preparation, Foundations, Jueas Rotering, Fire Protection, MICC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Plant Time 19 Pumps, Motors, Fire Protection, MICC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Plant Time 19 Pumps, Motors, Fire Protection, MICC Modifications plus Controls. Environmental Orage Starture Construction Control and Condensate Receipt Terminal and releases remaining Equipment RF0's plus		•		-	• •
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G/C Pumpco Incorporated Robert Mares P O Box 742 Field Superintendent Giddings, Texas 78942 [Tel.]+1 979 542 9054 U.S.A. [E-Mail] robert.mares@pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal. DETAILS: Construct (2) 50,000 BBL aboveground storage tar plus (2) truck unloading racks to collect Eagle Ford shale crude oil and condensate for transport to Corpus Christi via planned 730-mile 600,000 BBL/d Epic Pipeline (Project ID: 300340737). RECUIRES: Site Preparation, Foundations, 1 Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Util Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-I Vapor Recovery; (L) Containment, Liners, Dikes. Schedule EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal and releases remaining Equipment RPG's plus Sub Contractor Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (Materiation Start-Q202 Minor delay in startup due to COVID19. Project Milestones Long-Lead 201809 Equip RFQ 201812 Kick-Off 201812 Completio					
PO Box 742 Giddings, Texas 78942 U.S.A. Field Superintendent [Tel.] +1 979 542 9054 [E-Mail] robert.mares@pumpco.cc PEC® Timic C1 Project Probability Completed (100%) Scope EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a plus (2) truck unloading racks to collect Eagle Ford shale crude oil and condensate Receipt Terminal. DETAILS: Construct (2) 50,000 BBL aboveground storage tar plus (2) truck unloading racks to collect Eagle Ford shale crude oil and condensate for transport to Corpus Christi via planned 730-mile 600,000 BBL/d Epic Pipeline (Project ID: 300340737). REQUIRES: Site Preparation, Foundations, 7) Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Cleatrical Util Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-I vapor Recovery: (L) Containment, Liners, Dikes. Schedule EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal and releases remaining Equipment RFQ's plus Sub Contracto Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (Mio Engineering Project Milestome Electrical Environmental Instrumentation Structural Engineering Instrumentation Storage NDE Precision MONTH Project Milestome Electrical Environmental Instrumentation Storage NDE		U.S.A.			@mpg-plc.com
Giddings, Texas 78942 [Tel.] +1 979 542 9054 U.S.A. [E-Mail] robert.mares@pumpco.cc PEC@ Timing C1 PEC@ Activity Completion/Start-Up Project Probability Completed (100%) Scope EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal. DETAILS: Construct (2) 50,000 BBL aboveground storage tar plus (2) truck unloading racks to collect Eagle Ford shale crude oil and condensate for transport to Corpus Christi via planned 730-mile 600,000 BBL/d Epic Pipeline (Project ID: 300340737). REQUIRES: Site Preparation, Foundations. J Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Util Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tiel-Vapor Recovery; (L) Containment, Liners, Dikes. Schedule EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal and releases remaining Equipment RFQ's plus Sub Contracto Documents 4018 (Dec) - 4019 (Oct). Construction Commenced 4018 (Dec). Expected Project Completion 2020 (Mator Documents 4018 (Dec) - 4019 (Oct). Construction Commenced 4018 (Dec). Expected Project Completion 2020 (Mator Barterian) Project Milestones Electrical Environmental Instrumentation Mechanical Structural Project Wilestones Electrical Environmental Control Room Instrumentation Electrical <td>G/C</td> <td>•</td> <td></td> <td></td> <td>+</td>	G/C	•			+
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Project Probability Completed (100%) Scope EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal. DETAILS: Construct (2) 50,000 BBL aboveground storage tai plus (2) truck unloading racks to collect Eagle Ford shale crude oil and condensate for transport to Corpus Christi via planned 730-mile 600,000 BBL/d Epic Pipeline (Project ID: 300340737). REQUIRES: Site Preparation, Foundations, T Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Util Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-I Vapor Recovery; (L) Containment, Liners, Dikes. Schedule EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal and releases remaining Equipment RFQ's plus Sub Contractor Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (Ma Details Apr-2020 Minor delay in startup due to COVID19. Project Milestones AFE 201812 Sub Bid Doc 201812 Completion 11-May-2020 Precision MONTH Duration 18 Mont Engineering Contracting Electrical Environmental Instrumentation Mechanical Storage NDE Project Key Needs Civil/Site Structural Control Room Instrumentation Electrical Mechanical Storage NDE Pipiping/Fittings Insulation/Co		-			
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Grassroot Crude Oil and Condensate Receipt Terminal. DETAILS: Construct (2) 50,000 BBL aboveground storage tar plus (2) truck unloading racks to collect Eagle Ford shale crude oil and condensate for transport to Corpus Christi via planned 730-mile 600,000 BBL/d Epic Pipeline (Project ID: 300340737). REQUIRES: Site Preparation, Foundations, 1 Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Util Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-I Vapor Recovery; (L) Containment, Liners, Dikes. Schedule EPIC Midstream with MPG Pipeline Contractors (G/C) and Pumpco Incorporated (G/C) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal and releases remaining Equipment RFQ's plus Sub Contracto Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (Ma Details Apr-2020 Minor delay in startup due to COVID19. Project Milestones Contracting Equipment 201809 Equip RFQ 201812 Kick-Off 201812 Kickoff Slippage 9 Months Duration 18 Mont Engineering Contracting Electrical Environmental Instrumentation Mechanical Structural Project Key Needs Civil/Site Structural Control Room Instrumentation Electrical Mechanical Storage NDE Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps Communications Matter Phase Liquid Energy Buy Electricity			ne Contractors (G/C) and P	Pumpco Incorporated (G/C) contin	ues Construction for a
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Project Milestones Long-Lead 201809 Equip RFQ 201812 Kick-Off 201812 Kickoff Slippage 9 Months Duration 18 Month Engineering Contracting Electrical Environmental Instrumentation Mechanical Structural Project Key Needs Civil/Site Structural Control Room Instrumentation Electrical Mechanical Storage NDE Project Key Needs Civil/Site Electrical Mechanical Storage NDE Project Key Needs Communications Environmental Utilities Valves Pumps Communications Liquid Electricity Electricity Electricity Electricity		Grassroot Crude Oil and Condens Documents 4Q18 (Dec) - 4Q19 (C	sate Receipt Terminal and Oct). Construction Commer	releases remaining Equipment R	FQ's plus Sub Contractor
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Project Key Need Civil/Site Structural Control Room Instrumentation Instrumentation Electrical Mechanical Storage NDE Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps Matter Phase Liquid Liquid Energy Electricity Electricity Electricity		Electrical Environm	ental	Instrumentation Mechanical	Structural
Instrumentation Electrical Mechanical Storage NDE Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps Communications Liquid Transportation Matter Phase Liquid Energy Buy Electricity Electricity	-			iner amontation mechanical	Chaolara
Matter Phase Liquid Energy Buy Electricity	Instrumentat Piping/Fitting	gs Insulation/Coatings Environme		Valves Pumps	
Energy Buy Electricity					
• •	Energy				
Sell	• •				
	Sell				

		Plant Standard Contac	ts		
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site		QC Date/Lin	kedin ID
-	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [A	lt.] +1 361 542 00	79 May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No		norm-racicot	-85aa0697
	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [A	lt.] +1 361 542 00	79 May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No		norm-racicot	-85aa0697
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255		May-2023	
	travis.mcgloughlin@epicmid.com	No		travis-mcglou	ughlin-593b5615
Engineering Manager	William Crochet	[Phn.] +1 713 395 6340		May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No		william-croch	et-50a25b146
Environmental Manager		[Phn.] +1 912 236 1579		May-2022	
Environmental Health and Safety Coordinator	derekjones@imtt.com	No		derekarthurjo	ones
Safety Manager		[Phn.] +1 912 236 1579		May-2022	
Environmental Health and Safety Coordinator	derekjones@imtt.com	No		derekarthurjo	ones
Utilities Manager	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [A	lt.] +1 361 542 00	79 May-2023	
Terminal Operations Manager	normand.racicot@epicmid.com	No		norm-racicot	-85aa0697
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340		May-2023	
		No		annagorshko	ovasmith
		Historical Reports			
Project Name			Report Date	τιν	Phase
PECOS GRASSROOT EPIC	CRUDE OIL AND CONDENSATE	ETERMINAL	10-Mar-2017 5	0,000,000 USD	Project Justification (P1 - 16)
PECOS GRASSROOT EPIC	CRUDE OIL AND CONDENSATE	ETERMINAL	23-Jan-2018 5	0,000,000 USD	Project Justification (P1 - 16)
SARAGOSA GRASSROOT	EPIC CRUDE OIL AND CONDEN	SATE RECEIPT TERMINAL	13-Jul-2018 5	0,000,000 USD	Permitting (P2 - 18)
SARAGOSA GRASSROOT	EPIC CRUDE OIL AND CONDEN	SATE RECEIPT TERMINAL	06-Dec-2018 5	0,000,000 USD	Permitting (P2 - 18)
SARAGOSA GRASSROOT	EPIC CRUDE OIL AND CONDEN	SATE RECEIPT TERMINAL	14-Dec-2018 5	0,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT	EPIC CRUDE OIL AND CONDEN	SATE RECEIPT TERMINAL	30-Jul-2019 5	0,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT	EPIC CRUDE OIL AND CONDEN	SATE RECEIPT TERMINAL	02-Oct-2019 1	5,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT	EPIC CRUDE OIL AND CONDEN	SATE RECEIPT TERMINAL			Construction - Merit Shop (C1 - 36)
	EPIC CRUDE OIL AND CONDEN				Construction - Merit Shop (C1 - 36)
	EPIC CRUDE OIL AND CONDENS				Final Commissioning (C1 - 40)
	EPIC CRUDE OIL AND CONDEN				Final Commissioning (C1 - 40)
					Completion/Start-Up (C1 - 41)
	EPIC CRUDE OIL AND CONDENS		-	5,000,000 05D	completion/start-op (C1 - 41)

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	is data that has been added or	updated in the last rele	ase of the project	Project ID: 2002/12/
apital PEC Report				Project ID: 3003412
	GARDENDALE GRASSROOT EPH	C CRUDE OIL AND CON	DENSATE RECEIPT	PEC Activity Diagra
Umbrella Project Name	EPIC CRUDE OIL PIPELINE			Umbrella Project Count
Umbrella Project Summary	,			
Industry Code	2 02 Terminals	P	roject Type Grassroot	
•) 15,000,000			5 mm
SIC Code	• 5171 Petroleum Bulk Stations &		Sector Crude Oil Storage	-thendy
	Terminals		-	
	t 5171*0003 Crude Petroleum Storag	ge		The second se
	Impacted by COVID-19			
	Complete / Done	Last Update 11-May-2		
Environmenta	Air (A) Land (L)		on Labor Preference Unconfirme	
		Operation	ns Labor Preference Union, Nor	i-Unior
Project Capacity	Planned 100,00	00 BBL of Crude Oil Stora	ge	
Plant Owne	r EPIC Midstream Holdings, LP	Р	lant Parent EPIC Midstream Hole	dings, LP
	Gardendale Crude Oil &		Unit Name	0,
	Condensate Terminal			
	3238587			
	I-35 Frontage Road Address		Phone +1 210 569 6696	
	e Cotulla, Texas 78014 U.S.A.	Zo	one/County TX*09, La Salle	
Project Responsibility			Project Contact	
Project Manage	r EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 300		Project Engineer - Pi	
	San Antonio, Texas 78258		[Tel.] +1 210 495 557	
	U.S.A.			rant-terry-35974311a
Project Executive	EPIC Midstream Holdings, LP		Justin Gordon	
	18615 Tuscany Stone, Suite 275		Vice President Engin	• •
	San Antonio, Texas 78258		[Tel.] +1 210 495 557	
	U.S.A.		[E-Mail] Justin.gordor [LinkedIn] justin-gord	@texstarlogistics.com;
Project Evenutiv	EDIC Midetroom Holdings, LD			011-20213241
Project Executive	EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275		Phillip Mezey Chief Executive Offic	or
	San Antonio, Texas 78258		[Tel.] +1 210 495 557	
	U.S.A.		[E-Mail] phil.mezey@	
G/C	MPG Pipeline Contractors LLC		Bruce Ainsworth	ionola nogloli o o o o n
0,0	16770 Imperial Valley, Suite 105		Operations Manager	
	Houston, Texas 770660		[Tel.] +1 713 904 116	
	U.S.A.		[E-Mail] bainsworth@	
G/C	Pumpco Incorporated		Robert Mares	151 * **
	P O Box 742		Field Superintendent	
	Giddings, Texas 78942		[Tel.] +1 979 542 905	
	U.S.A.		[E-Mail] robert.mares	
PEC® Timing		PE	C® Activity Completion/Start-Up	
•	Completed (100%)		· · · · · · · · · · · · · · · · · · ·	
• •	EPIC Midstream with MPG Pipeline	e Contractors (G/C) and P	umpco Incorporated (G/C) continu	ues Construction for a
	Grassroot Crude Oil and Condensa			
	plus (2) truck unloading racks to co			
	planned 730-mile 600,000 BBL/d E			
	Pads, Plate Steel, Pipe Racks, Con Pumps, Motors, Fire Protection, MC			
	Vapor Recovery; (L) Containment,			
Schedule	EPIC Midstream with MPG Pipeline	e Contractors (G/C) and P	umpco Incorporated (G/C) continu	ues Construction for a
	Grassroot Crude Oil and Condensa	•	0	•
	Documents 4Q18 (Dec) - 4Q19 (Oc	·	ced 4Q18 (Dec). Expected Project	t Completion 2Q20 (May)
Details	s Apr-2020 Minor delay in startup due			
Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Long-Le	ead 201809 Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Months
Engineering				
Contracting	Electrical Environmer	ntal	Instrumentation Mechanical	Structural
Project Key Needs Civil/Site	Structural			
	ion Electrical Mechanical		NDE	
Piping/Fitting	,	ntal Utilities	Valves Pumps	
Communicat	ions		Transportation	
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

	Plant Standard Contacts								
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site		QC Date/Linke	din ID				
Plant Manager	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [Alt.]	+1 361 542 0079	Apr-2023					
Terminal Operations Manager	normand.racicot@epicmid.com	No		norm-racicot-8	5aa0697				
	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [Alt.]	+1 361 542 0079	Apr-2023					
Terminal Operations Manager	normand.racicot@epicmid.com	No		norm-racicot-8	5aa0697				
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255		Apr-2023					
Procurement Manager	travis.mcgloughlin@epicmid.com	No		travis-mcgloug	hlin-593b5615				
Engineering Manager		[Phn.] +1 210 784 7386		Apr-2023					
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No		brad-baker-312	24621a				
Environmental Manager	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [Alt.]	+1 361 542 0079	Apr-2023					
Manager Crude Terminals	normand.racicot@epicmid.com	No		norm-racicot-8	5aa0697				
	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [Alt.]	+1 361 542 0079	Apr-2023					
Manager Crude Terminals	normand.racicot@epicmid.com	No		norm-racicot-8	5aa0697				
	Normand 'Norm' Racicot	[Phn.] +1 210 779 9190 / [Alt.]	+1 361 542 0079	Apr-2023					
Terminal Operations Manager	normand.racicot@epicmid.com	No		norm-racicot-8	5aa0697				
Human Resource Manager	Jessica Roy	[Phn.] +1 210 569 6696		Apr-2023					
Executive Assistant	jessica.roy@epicmid.com	No		jessica-roy-214	187244				
		Historical Reports							
Project Name			Report Date	TIV	Phase				
CATARINA GRASSROOT E	PIC CRUDE OIL AND CONDENS.	ATE TERMINAL	10-Mar-2017 5	0,000,000 USD	Project Justification (P1 - 16)				
CATARINA GRASSROOT E	PIC CRUDE OIL AND CONDENS.	ATE TERMINAL	23-Jan-2018 5	0,000,000 USD	Project Justification (P1 - 16)				
GARDENDALE GRASSROO	OT EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL	13-Jul-2018 5	0,000,000 USD	Permitting (P2 - 18)				
GARDENDALE GRASSROO	OT EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL	06-Dec-2018 5	0,000,000 USD	Permitting (P2 - 18)				
GARDENDALE GRASSROO	T EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL	14-Dec-2018 5	0,000,000 USD	Construction - Merit Shop (C1 - 36)				
GARDENDALE GRASSROO	T EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL	30-Jul-2019 5	0,000,000 USD	Construction - Merit Shop (C1 - 36)				
GARDENDALE GRASSROO	T EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL	13-Aug-2019 1	5,000,000 USD	Construction - Merit Shop (C1 - 36)				
	T EPIC CRUDE OIL AND CONDE		_	5,000,000 USD	Construction - Merit Shop (C1 - 36)				
GARDENDALE GRASSROO	T EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL	13-Feb-2020 1	5,000,000 USD	Construction - Merit Shop (C1 - 36)				
GARDENDALE GRASSROO	T EPIC CRUDE OIL AND CONDE	ENSATE RECEIPT TERMINAL			Final Commissioning (C1 - 40)				
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	T EPIC CRUDE OIL AND CONDE				0 ()				
				0,000,000 000					

Any data highlighted in red be	low is data that has been	added or update	d in the last release of		
Capital PEC Report				Pi	oject ID: 300341015
	ame DIVOT GRASSROOT E ame EPIC CRUDE OIL PIPE		PIPELINE PUMP STATIC		PEC Activity Diagram prella Project Count 21
Umbrella Project Sumn	narv				
-	-		Duciest	Turne Organizati	
•	ode 03 Oil & Gas Pipelines		Project	Type Grassroot	
•	ISD) 40,000,000		-		-227
	ode 4612 Crude Petroleum F	•	S	ector Crude Pipelines	L Zit
	duct 4612*0003 Crude Oil Pu	mp Stations			
	nds Impacted by COVID-19				L. L.
	atus Complete / Done ental Air (A) Land (L)	Last		Initial Release 15-Mar-2017 bor Preference Unconfirmed bor Preference Union, Non-Unio	۲r
Project Capa	icity Plan	ned 590,000 BBL/	•		51
	-	tiono	Blant B	Parant EDIC Midatroom Haldings	
Plant Ov	vner Epic Consolidated Opera LLC	auons		Parent EPIC Midstream Holdings	, LP
Plant N	ame EPIC Gardendale Crude	Oil	Unit N	Name Divot 01 EM Divot 02 EM	
	Pump Station				
	nt ID 3238426		_		
	tion I-35 Frontage Road			Phone +1 210 920 2255	
City/S	tate Cotulla, Texas 78014 U.	S.A.	Zone/Co	ounty TX*09, La Salle	
Project Responsib	ility Project Company			Project Contact	
Project Execu	tive EPIC Midstream Holding	is, LP		Justin Gordon	
	18615 Tuscany Stone, S	uite 300		Vice President Engineerin	g & Operations
	San Antonio, Texas 782	58		[Tel.] +1 210 495 5577	
	U.S.A.			[E-Mail] justin.gordon@ep	icmid.com ; [LinkedIn]
				justin-gordon-2a213241	
Project Mana	ager EPIC Midstream Holding	is, LP		Grant Terry	
	18615 Tuscany Stone, S	uite 300		Project Engineer - Pipelin	e
	San Antonio, Texas 782	58		[Tel.] +1 210 495 5577	
	U.S.A.			[E-Mail] ; [LinkedIn] grant-	terry-35974311a
	G/C Pumpco Incorporated			Derek Kieschnick	
	P O Box 742			Project Estimator	
	Giddings, Texas 78942			[Tel.] +1 979 542 9054	
	U.S.A.			[E-Mail] derek.kieschnick	@pumpco.cc
PEC® Tin	ning C1		PEC® Ac	tivity Completion/Start-Up	
Project Probab	bility Completed (100%)				
	Construct buildings and BBL/d EPIC pipeline (Pr Manifolds, Buildings, Ov Valves, Gear Boxes, Pip dule EPIC Midstream in conju	install (2) 1,000 hp bject ID 30034073 erhead Cranes, El ing, Metering plus inction with Pumpo	electric motor-driven pu 7). REQUIRES: Site Pre ectric Motor-Driven Pum Controls. ENVIRONMEN co continues with Constru-	ction for a Grassroot Crude Oil F imp packages to support the plar ipparation, Foundations, Pilings, F ip Packages, Lube Oil System, C NTAL: (A) Leak Detection; (L) Co uction Activities and releases rei istruction Commenced 4Q19 (De	nned 730-mile 590,000 Pipeline Headers, Control Valves, Block Containment. maining Equipment
De	tails Apr-2020 Startup is dela	yed due to COVID	-19.		
Drojoct Milesterre	AF	E 201910 Su	b Bid Doc 202001	Completion 28-Feb-2020	Precision MONTH
Project Milestones	ng-Lead 201810 Equip RF	Q 201912	Kick-Off 201912	Kickoff Slippage 21 Months	Duration 3 Months
Engineering					
Contracting	Electrical Env	ironmental	Instrument	tation Mechanical	
Project Key Needs	Structural				
Instrumenta		chanical		NDE	
Piping/Fittin			s Valves	Pumps	
Communica	• •			Transportation	
				Halloportation	
Matter Phase	Liquid				
Energy					
Buy Electricity	/				
Sell					
		Plant Standa	rd Contacts		
Functional/Actual Title Co	ntact Name/E-mail	Telephone/On-s	site	QC Date/LinkedIn ID	
Plant Manager Ma	att Warren	[Phn.] +1 210 62	20 4593	May-2023	
Senior Operations Manager		No			
Maintenance Manager Cl	iff Solf	[Phn.] +1 210 56	59 6696	May-2023	
		[FIII.] +1 210 56	0000	iviay-2023	
Pipeline Operations Manager		No		cliff-self-9571681b8	
Purchasing Manager Tra	avis McGloughlin	[Phn.] +1 210 92	20 2255	May-2023	
	vis.mcgloughlin@epicmid.cor			travis-mcgloughlin-593b	5615
					-

Engineering Manager	Colton Gisler	[Phn.] +1 210 920 2255	May-2023
Integrity Engineer		No	colton-gisler-692828186
Environmental Manager	Grover Clifton	[Phn.] +1 210 920 2255	May-2023
Vice President Operations		No	
Safety Manager	Brad Taylor	[Phn.] +1 713 395 6340	May-2023
Director of Safety, Security, and Training		No	brad-taylor-csp-0410b047
Utilities Manager	Grover Clifton	[Phn.] +1 210 920 2255	May-2023
Vice President Operations		No	
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340	May-2023
		No	annagorshkovasmith
Technical Services Manager	Brad Baker	[Phn.] +1 210 920 2255 / [Alt.] +1 210 784 7386	May-2023
Vice President of Technical Services	brad.k.baker@epicmid.com	No	brad-baker-3124621a

	Historical Reports		
Project Name	Report Date	τιν	Phase
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	11-Apr-2018	40,000,000 USD	Economic Evaluation (P1 - 04)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	26-Nov-2018	40,000,000 USD	Permitting (P2 - 18)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Permitting (P2 - 18)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	09-Dec-2019	40,000,000 USD	Construction - Merit Shop (C1 - 36)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	04-Mar-2020	40,000,000 USD	Final Commissioning (C1 - 40)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	07-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Apr-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)

	the design of the sector of the		deres d'ha de a la second		It GPLDC-1b
Any data highlighted in red below apital PEC Report	is data that has been	added or up	dated in the last re	ease of the project	Project ID: 30034073
	GIRVIN GRASSROOT		OIL PIPELINE (SPR	EAD 1 & 3)	PEC Activity Diagra Umbrella Project Count
Umbrella Project Summary	,				
Industry Code	03 Oil & Gas Pipelines			Project Type Grassroot	
	350,000,000				1577
	4612 Crude Petroleum	•		Sector Crude Pipelines	
	t 4612*0001 Crude Oil P Complete / Done	•	ast Update 23-Apr-	2020 Initial Release 10-I	Mar-2017
	I Air (A) Land (L)		Construc	tion Labor Preference Non-l	
Project Capacity	Pla	aned 200 000 l	BBL/d of Crude Oil	ons Labor Preference Unior	i, Non-Unior
Troject Oapacity	1 101		stallation Details		
stallation Type	Pipeline Leng	•		Pipeline Diamete	er Unit of Measure
reenfield		35 Miles (mi)		•	6 Inches (in)
Plant Owner	· EPIC Midstream Holdin	igs, LP		Plant Parent EPIC Midstrear	n Holdings, LP
Plant Name	Girvin EPIC Crude Oil I Station	Pump		Unit Name	-
Plant ID	3238216				
	Northwest of Girvin			Phone +1 210 569 669	96
•	Girvin, Texas 79740 U.	S.A.		Zone/County TX*06, Pecos	
Project Responsibility Project Manager	Project Company EPIC Midstream Holdin	as I P		Project Contac Grant Terry	a de la companya de la
Froject Manager	18615 Tuscany Stone,	•		Project Enginee	er - Pipeline
	San Antonio, Texas 78			[Tel.] +1 210 49	•
	U.S.A.			[E-Mail] ; [Linke	edIn] grant-terry-35974311a
Project Executive	EPIC Midstream Holdin	igs, LP		Justin Gordon	
	18615 Tuscany Stone,				Engineering & Operations
	San Antonio, Texas 78	258		[Tel.] +1 210 56	
	U.S.A.				ordon@texstarlogistics.com; o-gordon-2a213241
Project Executive	EPIC Midstream Holdin	igs, LP		Phillip Mezey	
	18615 Tuscany Stone,			Chief Executive	
	San Antonio, Texas 78	258		[Tel.] +1 210 56	
	U.S.A.				zey@texstarlogistics.com
G/C	Pumpco Incorporated P O Box 742			Robert Mares Field Superinte	ndent
	Giddings, Texas 78942			[Tel.] +1 979 54	
	U.S.A.			• •	mares@pumpco.cc
PEC® Timing	I C1		Р	EC® Activity Completion/Sta	
Project Probability					
Scope					a Grassroot Crude Oil Pipeline 3) to transport 600,000 BBL/d
Schedule	(expandable to 900,000 and Midland, TX to Gar Corpus Christi, TX. RE Protection, Coatings, P Containment. EPIC Midstream in Cor) BBL/d) Permi dendale, TX as QUIRES: Exca ig Launching, F njunction with P	an Basin and Eagle F s well as from Cook's vation, Trenching, Tr Piping, Metering, Utili umpco continues wit	Ford Shale crude oil from origin Point and Helena, TX for tran ansmission Pipe, SCADA, Blo ites, and Controls. ENVIRONN In Construction and releases re	n points in Orla, Saragosa, Cra sport on to Robstown near ck & Control Valves, Cathodic //ENTAL: (A) Leak Detection; (I emaining Equipment RFQ's and
	Subcontractor Bid Pack Completion 1Q20 (Feb)	•	ct) through 2Q19 (Ap	r). Construction Commenced	4Q18 (Oct). Scheduled Project
Project Milestones	AI	FE 201809	Sub Bid Doc 201904	Completion 28-Feb	-2020 Precision MONTH
Long-Le	ead 201810 Equip RF	Q 201810	Kick-Off 201810	Kickoff Slippage 7 Month	hs Duration 17 Months
Engineering	Electric-1	Environment		In other montoffers Marshall	
Contracting Project Key Needs	Electrical	Environmental		Instrumentation Mechanica	al Structural
Instrumentati	on Electrical	Mechanical		NDE	
Piping/Fitting Communicati	s Insulation/Coatings		Utilities	Valves	ation
Commandat	Material Handling			Tanopona	
Matter Phase	Liquid				
Energy					
Buy Electricity					
Sell		Diant Sta	undard Contrata		
Functional/Actual Title Contact	Name/E-mail	Telephone/O	Indard Contacts	QC Date/Linke	din ID
i uncuonal/Actual Title Contact	Name/L-man	relephone/O	n anc		

Plant Manager	Matt Warren	[Phn.]	+1 210 620 4593		May-2023	
Senior Operations Manager		No			matt-warren-	5833a7220
Maintenance Manager	Cody Ward	[Phn.]	+1 210 920 2255		May-2023	
WTX Pipeline Operations Supervisor		No			cody-ward-9	5b642b3
Purchasing Manager	Travis McGloughlin	[Phn.]	+1 210 920 2255		May-2023	
Procurement Manager	travis.mcgloughlin@epicmid.com	No			travis-mcglou	ughlin-593b5615
Engineering Manager	William Crochet	[Phn.]	+1 713 395 6340		May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety				william-crochet-50a25b146		
Environmental Manager	William Crochet	[Phn.]	+1 210 920 2255		May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No			william-croch	net-50a25b146
Safety Manager	Brad Taylor	[Phn.]	+1 713 395 6340		May-2023	
Director of Safety, Security, and Training		No			brad-taylor-c	sp-0410b047
Utilities Manager	Brad Baker	[Phn.]	+1 210 495 5577 / [Alt.] +1 2	210 784 7386	May-2023	
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No			brad-baker-3	124621a
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579		May-2023		
		No			annagorshko	ovasmith
			Historical Reports			
Project Name			Report Date		τιν	Phase
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE		10-Mar-2017	750,0	000,000 USD	Project Justification (P1 - 16)

Report Date	IIV	Phase
10-Mar-2017	750,000,000 USD	Project Justification (P1 - 16)
28-Jun-2017	750,000,000 USD	Permitting (P2 - 18)
23-Jan-2018	750,000,000 USD	Permitting (P2 - 18)
3) 15-Mar-2018	350,000,000 USD	Detailed Engineering (E2 - 31)
3) 27-Jun-2018	350,000,000 USD	Purchasing (E2 - 21)
3) 26-Oct-2018	350,000,000 USD	Construction - Merit Shop (C1 - 36)
3) 10-Dec-2018	350,000,000 USD	Construction - Merit Shop (C1 - 36)
3) 21-Nov-2019	350,000,000 USD	Construction - Merit Shop (C1 - 36)
3) 15-Jan-2020	350,000,000 USD	Construction - Merit Shop (C1 - 36)
3) 13-Feb-2020	350,000,000 USD	Construction - Merit Shop (C1 - 36)
3) 04-Mar-2020	350,000,000 USD	Final Commissioning (C1 - 40)
3) 07-Apr-2020	350,000,000 USD	Final Commissioning (C1 - 40)
3) 13-Apr-2020	350,000,000 USD	Final Commissioning (C1 - 40)
3) 23-Apr-2020	350,000,000 USD	Completion/Start-Up (C1 - 41)
	10-Mar-2017 28-Jun-2017	10-Mar-2017 750,000,000 USD 28-Jun-2017 750,000,000 USD 23-Jan-2018 750,000,000 USD 3) 15-Mar-2018 350,000,000 USD 3) 27-Jun-2018 350,000,000 USD 3) 26-Oct-2018 350,000,000 USD 3) 10-Dec-2018 350,000,000 USD 3) 10-Dec-2018 350,000,000 USD 3) 10-Dec-2018 350,000,000 USD 3) 15-Jan-2020 350,000,000 USD 3) 13-Feb-2020 350,000,000 USD 3) 04-Mar-2020 350,000,000 USD 3) 07-Apr-2020 350,000,000 USD 3) 13-Apr-2020 350,000,000 USD

*Any data highlighted in re	d below	is data that has b	een a	dded or updated	in the last rele	ase of the	project	
Capital PEC Report								Project ID: 300341223
Proie	ct Name	ORANGE GROVE	GRAS	SROOT EPIC CRU	IDE OIL PIPELI	NE PUMP S	TATION	PEC Activity Diagram
		EPIC CRUDE OIL						mbrella Project Count 21
	ot Hamo						•	
Umbrella Project S	ummary							
Indust	ry Code	03 Oil & Gas Pipeli	nes		Р	roject Type	Grassroot	
	-	40,000,000						1 cmm
	• •	4612 Crude Petrole	um P	inelines		Sector	Crude Pipelines	- Fri Shill
		4612*0003 Crude (•		000101	ordde i ipellifies	LA FU
310			JIFUI	•)))) 	ial Release 15-Mar-201	-
_ ·		Complete / Done		Last Up	odate 23-Apr-20			′ 🦉
Enviro	nmentai	Air (A) Land (L)					eference Non-Union	
					Operatio	ns Labor Pi	eference Union, Non-U	nior
Project (Capacity		Plann	ed 590,000 BBL/d	of Crude Oil			
Blan	+ Owner	EDIC Midatroom H	oldina		P	lant Darant	EDIC Midatroom Haldin	
		EPIC Midstream H	-		F		EPIC Midstream Holdin	•
Pia	nt Name	Orange Grove EPI	Cruc			Unit Name	Orange Grove 01 EM C	Drange Grove 02 EM
		Pump Station						
		3238573						
		East of Orange Gro					+1 210 920 2255	
C	ity/State	Orange Grove, Tex	as 78	372	Zo	one/County	TX*05, Jim Wells	
		U.S.A.						
Project Respo	nsibility	Project Company					Project Contact	
		EPIC Midstream H	olding	s, LP			Justin Gordon	
-		18615 Tuscany Sto	•				Vice President Enginee	ring & Operations
		San Antonio, Texas					[Tel.] +1 210 495 5577	5 1 1 1 1 2
		U.S.A.					• •	epicmid.com ; [LinkedIn]
		0.0.4.					justin-gordon-2a213241	
Brojost E	vooutivo	EDIC Midatroom H	oldina					•
Project E	xecutive	EPIC Midstream H	-				Grant Terry	11
		18615 Tuscany Sto					Project Engineer - Pipe	line
		San Antonio, Texas	\$ 7825	68			[Tel.] +1 210 495 5577	
		U.S.A.					[E-Mail] ; [LinkedIn] gra	nt-terry-35974311a
	G/C	Pumpco Incorporat	ed				Derek Kieschnick	
		P O Box 742					Project Estimator	
		Giddings, Texas 78	942				[Tel.] +1 979 542 9054	
		U.S.A.					[E-Mail] derek.kieschnid	ck@pumpco.cc
DEC	Timing				DE		Completion/Start-Up	
	-						Completion/Start-Op	
FIOJECT FIC	•	Completed (100%)	anda D					
	Scope							I Pump Station. DETAILS: planned 730-mile 590,000
							on, Foundations, Pilings	
							kages, Lube Oil System	
							(A) Leak Detection; (L)	
9	chodulo						Activities and releases	
	cileuule						ion Commenced 4Q19 (
		Completion 1Q20 (Bid Boodmonto this				
	Dotaile	Apr-2020 No Curre		act				
	_ 0.0110						completion 00 E-k 0000	Propinion MONITH
Project Milestones					Bid Doc 202001	Ľ	Completion 28-Feb-2020	Precision MONTH
	Long-Le	ead 201810 Equ	ip RFC	201912 P	Cick-Off 201912	Kicko	ff Slippage 21 Months	Duration 3 Months
Engineering								
Contracting		Electrical	Envir	onmental			Mechanical	
Project Key Needs								
Instrume	entation	Electrical	Mech	anical			NDE	
Piping/F		Insulation/Coatings			Valve	s	Pumps	
1 0	nications	insulation/coatings		onnental Otilities	vaive	0	•	
	neations						Transportation	
Matter Phase		Liquid						
Energy								
Buy Elec	tricity							
-								
Sell								
				Plant Standard				
Functional/Actual Title	Contact	Name/E-mail		Felephone/On-site	QC Date/Li	nkedIn ID		
Plant Manager	Grover C	Clifton		[Phn.] +1 210 920 2	255 Apr-2023			
VP Operations				No				
•	Code	ord		-	055 Ant 0000			
Maintenance Manager	Cody Wa	DIG		[Phn.] +1 210 920 2	255 Apr-2023			
WTX Pipeline Operations				No	cody-ward-	95b642b3		
Supervisor					ica) haid			
Purchasing Manager	Travis M	lcGloughlin		[Phn.] +1 210 920 2	255 Apr-2023			
		cgloughlin@epicmid				oughlin-593	b5615	
					Ŭ			
Engineering Manager	Joshua S	Sanchez		[Phn.] +1 713 395 6	340 Apr-2023			

Process Engineer		No	joshuaasanche	Z		
Environmental Manager	William Crochet	[Phn.] +1 713 395 6340	Apr-2023			
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146			
Safety Manager	Brad Taylor	[Phn.] +1 713 395 6340	Apr-2023			
Director of Safety, Security, and Training		No	brad-taylor-csp	-0410b047		
Utilities Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023			
WTX Pipeline Operations Supervisor		No	cody-ward-95b	642b3		
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340	Apr-2023			
		No	annagorshkova	smith		
		Historical Repo	rts			
Project Name		Repo	ort Date	TIV	Phase	
OPANCE CROVE CRASSP		DUMP STATION 15 M	or 2017	40,000,000,000	Draight Justification (D1	16)

ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 15-Mar-2017	40,000,000 USD Project Justification (P1 - 16)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 23-Jan-2018	40,000,000 USD Project Justification (P1 - 16)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 27-Jun-2018	40,000,000 USD Permitting (P2 - 18)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 26-Nov-2018	40,000,000 USD Permitting (P2 - 18)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 10-Dec-2018	40,000,000 USD Permitting (P2 - 18)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 09-Dec-2019	40,000,000 USD Construction - Merit Shop (C1 - 36)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 08-Apr-2020	40,000,000 USD Construction - Merit Shop (C1 - 36)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 13-Apr-2020	40,000,000 USD Construction - Merit Shop (C1 - 36)
ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 23-Apr-2020	40,000,000 USD Completion/Start-Up (C1 - 41)
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			EXHIDILG	
	is data that has been added or	updated in the last release of the	project	Project ID: 200244040
apital PEC Report				Project ID: 300341019
-		RUDE OIL PIPELINE PUMP STATIO		PEC Activity Diagran
Umbrella Project Name	EPIC CRUDE OIL PIPELINE		ι	Jmbrella Project Count 2 [°]
Umbrella Project Summary				
Industry Code	03 Oil & Gas Pipelines	Project Type	Grassroot	
TIV (USD)	40,000,000			5-2-
SIC Code	4612 Crude Petroleum Pipelines	Sector	Crude Pipelines	hope -
SIC Product	4612*0003 Crude Oil Pump Station	IS		- Total
Market Trends	Impacted by COVID-19			A. C.
Status	Complete / Done	· ·	ial Release 15-Mar-20	
Environmental	Air (A) Land (L)	Construction Labor Pr		
		Operations Labor P	reference Union, Non-	Unior
Project Capacity	Planned 590,00	00 BBL/d of Crude Oil		
Plant Owner	EPIC Midstream Holdings, LP	Plant Parent	EPIC Midstream Holdi	ings, LP
	EPIC Crude Oil Pump Station		La Pryor 01 EM La Pry	-
	3238425			, ,
Location	South of La Pryor	Phone	+1 210 569 6696	
City/State	Sonora, Texas 78872 U.S.A.	Zone/County	TX*06, Sutton	
Project Responsibility	Project Company		Project Contact	
	EPIC Midstream Holdings, LP		Brad Baker	
	18615 Tuscany Stone, Suite 275		Project Manager - Fac	cilities
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696	6 x317
	U.S.A.		[E-Mail] brad.k.baker@	epicmid.com ; [LinkedIn]
			brad-baker-3124621a	
Project Manager	EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 275		Project Engineer	
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696	6
	U.S.A.		[E-Mail] grant.terry@te	
			[LinkedIn] grant-terry-3	35974311a
-	EPIC Midstream Holdings, LP		Justin Gordon	
	18615 Tuscany Stone, Suite 275		Vice President Engine	- ·
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696	
	U.S.A.			<pre>@texstarlogistics.com;</pre>
			[LinkedIn] justin-gordo	0-28213241
Project Executive	EPIC Midstream Holdings, LP		Phillip Mezey	_
	18615 Tuscany Stone, Suite 275		Chief Executive Office	
	San Antonio, Texas 78258 U.S.A.		[Tel.] +1 210 569 6696 [E-Mail] phil.mezey@t	
<u> </u>	Pumpco Incorporated		Derek Kieschnick	exstanogistics.com
6/0	P O Box 742			
	Giddings, Texas 78942		Project Estimator [Tel.] +1 979 542 9054	1
	U.S.A.		[E-Mail] derek.kieschn	
PEC® Timing		PEC® Activity	Completion/Start-Up	lok@pumpoo.oc
Project Probability		1 EOG Activity	completion/otart-op	
• •		npco (G/C) continues Construction for	a Grassroot Crude Oil	Pump Station, DETAILS.
Schedule	motor-driven pump packages to su REQUIRES: Site Preparation, Four Motor-Driven Pump Packages, Lub Controls. ENVIRONMENTAL: (A) L EPIC Midstream Holdings with Pum	npco (G/C) continues Construction for	BL/d EPIC pipeline (Pr anifolds, Buildings, Ove /alves, Gear Boxes, Pip a Grassroot Crude Oil	oject ID 300340737). erhead Cranes, Electric bing, Metering plus Pump Station. EPIC with
	Pumpco (G/C) releases remaining I Commenced 1Q19 (Mar). Expected Apr-2020 Startup is delayed due to		Bid Documents through	n 4Q19 (Dec). Constructio
	AFE 201808	Sub Bid Doc 201903 Co	ompletion 28-Feb-2020	Precision MONTH
Project Milestones Long-Lea	ad 201810 Equip RFQ 201903	Kick-Off 201903 Kickoff	Slippage 12 Months	Duration 12 Months
Engineering				
Contracting	Electrical Environmer	ntal Instrument	tation Mechanical S	tructural
Project Key Needs Civil/Site	Structural			
Instrumentatio	on Electrical Mechanical		NDE	
Piping/Fittings	Insulation/Coatings Environmer	ntal Utilities Valves	Pumps	
Communicatio	ons		Transportation	
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				
	Direct	Standard Contacts		
	Plant	Standard Contacts		

Functional/Actual Title	Contact Name/E-mail	Telephone/On-s	site	Q	C Date/LinkedIn	ID	
Plant Manager	Cody Ward	[Phn.] +1 210 920 2255			/lay-2023		
WTX Pipeline Operations Supervisor		No			cody-ward-95b642b3		
Maintenance Manager	Cody Ward	[Phn.] +1 210 92	20 2255	N	May-2023		
WTX Pipeline Operations Supervisor		No c			ody-ward-95b642	b3	
Purchasing Manager	Cody Ward	[Phn.] +1 210 92	20 2255	N	/lay-2023		
WTX Pipeline Operations Supervisor		No		с	ody-ward-95b642	b3	
Engineering Manager	Brad Baker	[Phn.] +1 210 49	95 5577 / [Alt.] +1 210 784	7386 N	/lay-2023		
Director of Technical Services	brad.k.baker@epicmid.com	No			brad-baker-3124621a		
Environmental Manager	Cody Ward	[Phn.] +1 210 920 2255			May-2023		
WTX Pipeline Operations Supervisor		No			cody-ward-95b642b3		
Safety Manager	Cody Ward	[Phn.] +1 210 920 2255		N	May-2023		
WTX Pipeline Operations Supervisor		No		с	cody-ward-95b642b3		
Utilities Manager	Cody Ward	[Phn.] +1 210 92	20 2255	N	May-2023		
WTX Pipeline Operations Supervisor		No		с	cody-ward-95b642b3		
Human Resource Manager	Jessica Roy	[Phn.] +1 210 56	6696	Ν	May-2023		
Executive Assistant	jessica.roy@epicmid.com	No		je	essica-roy-214872	244	
		His	torical Reports				
Project Name			Report Date		τιν	Phase	
LA PRYOR GRASSROOT E	PIC CRUDE OIL PIPELINE I	PUMP STATION	15-Mar-2017	4	40,000,000 USD	Project Justification (P1 - 16)	
LA PRYOR GRASSROOT E	PIC CRUDE OIL PIPELINE I	PUMP STATION	23-Jan-2018	4	40,000,000 USD	Project Justification (P1 - 16)	
LA PRYOR GRASSROOT E	PIC CRUDE OIL PIPELINE I	PUMP STATION	27-Jun-2018		40,000,000 USD	Permitting (P2 - 18)	
LA PRYOR GRASSROOT E	PIC CRUDE OIL PIPELINE I	PUMP STATION	14-Aug-2018		40,000,000 USD	Purchasing (E2 - 21)	

	14 / lug 2010	40,000,000 000	
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Purchasing (E2 - 21)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	06-Mar-2019	40,000,000 USD	Construction - Merit Shop (C1 - 36)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Jan-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Feb-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	04-Mar-2020	40,000,000 USD	Final Commissioning (C1 - 40)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	07-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Apr-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)

al PEC Report	is data that has been added or			Project ID: 30034
Project Name	DEL RIO GRASSROOT EPIC CRU EPIC CRUDE OIL PIPELINE	JDE OIL PIPELINE PUMP	STATION	PEC Activity Dia Umbrella Project Cou
Umbrella Project Summary				
Industry Code	03 Oil & Gas Pipelines	Pr	oject Type Grassroot	
TIV (USD)	40,000,000			5 mm
SIC Code	4612 Crude Petroleum Pipelines		Sector Crude Pipelines	A Land
SIC Product	4612*0003 Crude Oil Pump Station	ns		
	Complete / Done	Last Update 23-Apr-20		14
Environmental	Air (A) Land (L)		on Labor Preference Unconfirm	
	B I	•	ns Labor Preference Union, N	on-Unior
Project Capacity	Planned 590,0	00 BBL/d of Crude Oil		
	EPIC Midstream Holdings, LP		ant Parent EPIC Midstream H	-
Plant Name	Del Rio EPIC Crude Oil Pump Station		Unit Name Del Rio 01 EM Del	Rio 02 EM
Plant ID	3238231			
	West of Route 277		Phone +1 210 569 6696	
	Del Rio, Texas 78840 U.S.A.	Zo	ne/County TX*09, Val Verde	
Project Responsibility			Project Contact	
	EPIC Midstream Holdings, LP		Brad Baker	
ejebt manager	18615 Tuscany Stone, Suite 275		Project Manager -	Facilities
	San Antonio, Texas 78258		[Tel.] +1 210 920 2	
	U.S.A.		• •	er@epicmid.com ; [Linke
			brad-baker-312462	21a
Project Manager	EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 275		Project Engineer	
	San Antonio, Texas 78258		[Tel.] +1 210 569 6	
	U.S.A.			@texstarlogistics.com;
			[LinkedIn] grant-ter	rry-35974311a
Project Executive	EPIC Midstream Holdings, LP		Justin Gordon	ringering 8 Operations
	18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258		[Tel.] +1 210 569 6	gineering & Operations
	U.S.A.			on@texstarlogistics.com
	0.0.7.		[LinkedIn] justin-go	
Project Executive	EPIC Midstream Holdings, LP		Phillip Mezey	
•	18615 Tuscany Stone, Suite 275		Chief Executive Of	ficer
	San Antonio, Texas 78258		[Tel.] +1 210 569 6	696
	U.S.A.		[E-Mail] phil.mezey	@texstarlogistics.com
G/C	Pumpco Incorporated		Derek Kieschnick	
	P O Box 742		Project Estimator	
	Giddings, Texas 78942		[Tel.] +1 979 542 9	
	U.S.A.			chnick@pumpco.cc
PEC® Timing Project Probability		PEC	C® Activity Completion/Start-L	Jb
• •	EPIC Midstream Holdings with Pur	mnco (G/C) continues Con	struction for a Grassroot Crude	Oil Pump Station DETA
	As part of Phase 1 of EPIC Crude motor-driven pump packages to su REQUIRES: Site Preparation, Four Motor-Driven Pump Packages, Lub Controls. ENVIRONMENTAL: (A) I EPIC Midstream Holdings with Pur Pumpco (G/C) releases remaining Commenced 1Q19 (Mar). Expected	Pipeline Facilities Construct upport the planned 730-mile ndations, Pilings, Pipeline I be Oil System, Control Valv Leak Detection; (L) Contain mpco (G/C) continues Cons Equipment RFQ's and Sub	ction, construct buildings and in e 590,000 BBL/d EPIC pipeline Headers, Manifolds, Buildings, ves, Block Valves, Gear Boxes, ment. struction for a Grassroot Crude poontractor Bid Documents thro	stall (2) 1,000 hp electric (Project ID 300340737). Overhead Cranes, Electr Piping, Metering plus Oil Pump Station. EPIC
Project Milestones	AFE 201808	Sub Bid Doc 201903	Completion 28-Feb-202	20 Precision MONTH
Long-Le	ad 201810 Equip RFQ 201903	Kick-Off 201903	Kickoff Slippage 12 Months	Duration 12 Mon
Engineering	Electrical Environment	ntol	Instrumentation Machaniz-	Structural
Contracting Project Key Needs Civil/Site	Electrical Environme	nial	Instrumentation Mechanical	Structural
Project Key Needs Civil/Site Instrumentation	Structural on Electrical Mechanica	1	NDE	
Piping/Fitting			Valves Pumps	
Communicati	ons		Transportatio	n
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Manager	Dwight Vandola	[Phn.] +1 210 920 2255	May-2023
		No	
Maintenance Manager	Dwight Vandola	[Phn.] +1 210 920 2255	May-2023
Plant Manager		No	
Purchasing Manager	Kevin Chavez	[Phn.] +1 210 495 5577	May-2023
		No	kevin-chavez-88a88916a
Engineering Manager	Justin Gordon	[Phn.] +1 210 495 5577	May-2023
		No	justin-gordon-2a213241
Environmental Manager	Dwight Vandola	[Phn.] +1 210 920 2255	May-2023
Plant Manager		No	
Safety Manager	Dwight Vandola	[Phn.] +1 210 920 2255	May-2023
Plant Manager		No	
Utilities Manager	Dwight Vandola	[Phn.] +1 210 920 2255	May-2023
Plant Manager		No	
Human Resource Manager	Jessica Roy	[Phn.] +1 210 569 6696	May-2023
Executive Assistant	jessica.roy@epicmid.com	No	jessica-roy-21487244

H	listorical Reports		
Project Name	Report Date	TIV	Phase
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	11-Apr-2018	40,000,000 USD	Economic Evaluation (P1 - 04)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	14-Aug-2018	40,000,000 USD	Purchasing (E2 - 21)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Purchasing (E2 - 21)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	06-Mar-2019	40,000,000 USD	Construction - Merit Shop (C1 - 36)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Jan-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Feb-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	04-Mar-2020	40,000,000 USD	Final Commissioning (C1 - 40)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	07-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Apr-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)

ital PEC Report		l or updated in the last release of the	project
			Project ID: 300340
	GIRVIN GRASSROOT EPIC C EPIC CRUDE OIL PIPELINE	RUDE OIL PIPELINE PUMP STATION	<u>PEC Activity Diag</u> Umbrella Project Coun
- Umbrella Project Summary			
• •	03 Oil & Gas Pipelines	Project Type	Grassroot
-	40,000,000	r toject rype	Classicol
	4612 Crude Petroleum Pipeline	es Sector	Crude Pipelines
	4612*0003 Crude Oil Pump St		
	Complete / Done		ial Release 15-Mar-2017
Environmental	•	Construction Labor Pr	reference Union, Non-Unior reference Union, Non-Unior
Project Capacity	Planned 6	00,000 BBL/d of Crude Oil	
Plant Owner	EPIC Midstream Holdings, LP	Plant Parent	EPIC Midstream Holdings, LP
Plant Name	Girvin EPIC Crude Oil Pump	Unit Name	Girvin 01 EM Girvin 02 EM
	Station		
	3238216	51	4 040 500 0000
	Northwest of Girvin		+1 210 569 6696
	Girvin, Texas 79740 U.S.A.	· · · · · · · · · · · · · · · · · · ·	TX*06, Pecos
Project Responsibility			Project Contact
	EPIC Midstream Holdings, LP		Brad Baker
	18615 Tuscany Stone, Suite 2	/5	Project Manager - Facilities
	San Antonio, Texas 78258		[Tel.] +1 210 920 2255
	U.S.A.		[E-Mail] brad.k.baker@epicmid.com ; [Linked]
			brad-baker-3124621a
	EPIC Midstream Holdings, LP	76	Grant Terry
	18615 Tuscany Stone, Suite 2	/5	Project Engineer - Pipeline
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696
	U.S.A.		[E-Mail] ; [LinkedIn] grant-terry-35974311a
	EPIC Midstream Holdings, LP		Justin Gordon
	18615 Tuscany Stone, Suite 2	75	Vice President Engineering & Operations
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696
	U.S.A.		[E-Mail] justin.gordon@epicmid.com ; [Linked justin-gordon-2a213241
Project Executive	EPIC Midstream Holdings, LP		Phillip Mezey
-	18615 Tuscany Stone, Suite 2	75	Chief Executive Officer
	San Antonio, Texas 78258	-	[Tel.] +1 210 569 6696
	U.S.A.		[E-Mail] phil.mezey@epicmid.com
G/C	Pumpco Incorporated		Derek Kieschnick
	P O Box 742		Project Estimator
	Giddings, Texas 78942		[Tel.] +1 979 542 9054
	U.S.A.		[E-Mail] derek.kieschnick@pumpco.cc
PEC® Timing		PEC® Activity	Completion/Start-Up
Project Probability			completion clart op
		Pumpco (G/C) continues Expediting for a	Grassroot Crude Oil Pump Station. DETAILS:
Schedule	driven pump packages to supp Site Preparation, Foundations, Pump Packages, Lube Oil Sys ENVIRONMENTAL: (A) Leak I EPIC Midstream Holdings with	ort the planned 730-mile 600,000 BBL/d E Pilings, Pipeline Headers, Manifolds, Buik tem, Control Valves, Block Valves, Gear B Detection; (L) Containment. Pumpco (G/C) continues Expediting throu and Subcontractor Bid Documents 4Q18 (D	buildings and install (2) 1,000 hp electric moto PIC pipeline (Project ID 300340737). REQUIR dings, Overhead Cranes, Electric Motor-Driver boxes, Piping, Metering plus Controls. agh 1Q19 (Jan). EPIC with Pumpco (G/C) relea ec). Scheduled Construction Kick-Off 1Q19 (M
Project Milestones	AFE 2018	08 Sub Bid Doc 201812 Co	Ompletion 28-Feb-2020 Precision MONTH
Long-Lea	ad 201810 Equip RFQ 2018	12 Kick-Off 201903 Kickoff	Slippage 12 Months Duration 12 Months
Engineering			
	Electrical E	nvironmental	Instrumentation Mechanical Structural Ger [G/0
Contracting Civil		Control Room	
Contracting Civil Project Key Needs Civil/Site	e Structural	Control Room	
-		lechanical	NDE
Project Key Needs Civil/Site	entation Electrical N	lechanical	NDE Valves Pumps
Project Key Needs Civil/Site Instrume Piping/F	entation Electrical N	lechanical	
Project Key Needs Civil/Site Instrume Piping/F	entation Electrical N Fittings Insulation/Coatings E	lechanical	Valves Pumps
Project Key Needs Civil/Site Instrume Piping/F Commun	entation Electrical M Fittings Insulation/Coatings E nications	lechanical	Valves Pumps
Project Key Needs Civil/Site Instrume Piping/F Commun Matter Phase Energy	entation Electrical M Fittings Insulation/Coatings E nications	lechanical	Valves Pumps
Project Key Needs Civil/Site Instrume Piping/F Commun Matter Phase Energy Buy Electricity	entation Electrical M Fittings Insulation/Coatings E nications	lechanical	Valves Pumps
Project Key Needs Civil/Site Instrume Piping/F Commun Matter Phase Energy	entation Electrical M ittings Insulation/Coatings E nications Liquid	lechanical	Valves Pumps

40,000,000 USD Completion/Start-Up (C1 - 41)

						GFLDC-ID
Plant Manager		[Phn.]	+1 210 620 4593		May-2023	
Senior Operations Manager		No			matt-warren-5833	3a7220
Maintenance Manager	Cody Ward	[Phn.]	+1 210 920 2255		May-2023	
WTX Pipeline Operations Supervisor		No			cody-ward-95b64	2b3
Purchasing Manager	Travis McGloughlin	[Phn.]	+1 210 920 2255		May-2023	
Procurement Manager	travis.mcgloughlin@epicmid.com	No			travis-mcgloughli	n-593b5615
Engineering Manager		[Phn.]	+1 713 395 6340		May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No			william-crochet-5	0a25b146
Environmental Manager	William Crochet	[Phn.]	+1 210 920 2255		May-2023	
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No			william-crochet-5	0a25b146
Safety Manager		[Phn.]	+1 713 395 6340		May-2023	
Director of Safety, Security, and Training		No			brad-taylor-csp-0	410b047
Utilities Manager		[Phn.]	+1 210 495 5577 / [Alt.] +1 21	0 784 7386	May-2023	
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No			brad-baker-31246	621a
Human Resource Manager	Anya Smith	[Phn.] No	+1 912 236 1579		May-2023 annagorshkovasr	nith
			Historical Reports			
Project Name			Report Date		τιν	Phase
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	15-Mar-2017		40,000,000 USD	Project Justification (P1 - 16)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	23-Jan-2018		40,000,000 USD	Project Justification (P1 - 16)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	11-Apr-2018		40,000,000 USD	Economic Evaluation (P1 - 04)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	27-Jun-2018		40,000,000 USD	Permitting (P2 - 18)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	14-Aug-2018		40,000,000 USD	Purchasing (E2 - 21)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	10-Dec-2018		40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	11-Dec-2018		40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	12-Dec-2019		40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	15-Jan-2020		40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	13-Feb-2020		40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	04-Mar-2020		40,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	07-Apr-2020		40,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC	CRUDE OIL PIPELINE PUMP ST	ATION	13-Apr-2020		40,000,000 USD	Final Commissioning (C1 - 40)

GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION23-Apr-2020© 2023 ALL RIGHTS RESERVED. Industrial Info Resources, Inc. - Sugar Land, TX - 800-762-3361

data bighlighted in red balay	is data that has been added as	undeted in the last raise		SPLDC-10
tal PEC Report	is data that has been added or	updated in the last relea	ase of the project	Project ID: 3003412
	TILDEN GRASSROOT EPIC CRU	JDE OIL PIPELINE PUMP	STATION	PEC Activity Diagra
-	EPIC CRUDE OIL PIPELINE			Umbrella Project Count
Umbrella Project Summary	,			
Industry Code	e 03 Oil & Gas Pipelines	Pr	oject Type Grassroot	
	40,000,000		Castan Orada Disalinas	15-5-
	4612 Crude Petroleum Pipelines 4612*0003 Crude Oil Pump Statio	ns	Sector Crude Pipelines	C XXX
	Impacted by COVID-19			
	Complete / Done	Last Update 23-Apr-20		
Environmenta	I Air (A) Land (L)		on Labor Preference Non-Unior ns Labor Preference Union, Nor	
Project Capacity	Planned 590.0	000 BBL/d of Crude Oil		
	EPIC Midstream Holdings, LP		lant Parent EPIC Midstream Ho	ldings, LP
	EPIC Crude Oil Pump Station		Unit Name Tilden 01 EM Tilden	-
	3238568			
	South of Tilden Rocksprings, Texas 78072	70	Phone +1 210 569 6696 one/County TX*09, Edwards	
City/State	U.S.A.	20	ne/county 1X 03, Edwards	
Project Responsibility			Project Contact	
Project Manager	· EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275		Brad Baker Project Manager - F	acilities
	San Antonio, Texas 78258		[Tel.] +1 210 920 22	
	U.S.A.			r@epicmid.com ; [LinkedIr
Project Manage	· EPIC Midstream Holdings, LP		brad-baker-3124621 Grant Terry	а
Project Manager	18615 Tuscany Stone, Suite 275		Project Engineer	
	San Antonio, Texas 78258		[Tel.] +1 210 569 66	
	U.S.A.		[E-Mail] grant.terry@ [LinkedIn] grant-terry	exstarlogistics.com ; /-35974311a
Project Executive	EPIC Midstream Holdings, LP		Justin Gordon	
	18615 Tuscany Stone, Suite 275		-	neering & Operations
	San Antonio, Texas 78258 U.S.A.		[Tel.] +1 210 569 66	96 n@texstarlogistics.com;
	0.0.7.		[LinkedIn] justin-gord	
Project Executive	EPIC Midstream Holdings, LP		Phillip Mezey	
	18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258		Chief Executive Office [Tel.] +1 210 569 66	
	U.S.A.			texstarlogistics.com
G/C	Pumpco Incorporated		Derek Kieschnick	
	P O Box 742 Giddings, Texas 78942		Project Estimator [Tel.] +1 979 542 90	54
	U.S.A.		[E-Mail] derek.kiescl	
PEC® Timing	C1	PEC	C® Activity Completion/Start-Up)
• •	Completed (100%)		-trustian fan a Oragana t Oragla (Nil Duran Otatian
Scope	 EPIC Midstream Holdings with Pu DETAILS:As part of Phase 1 of EF 			
	electric motor-driven pump packag 300340737). REQUIRES: Site Pre			
	Cranes, Electric Motor-Driven Pun	np Packages, Lube Oil Syst	tem, Control Valves, Block Valve	
Schodule	Metering plus Controls. ENVIRON EPIC Midstream Holdings with Pu	· · /)il Pump Station EPIC with
	Pumpco (G/C) releases remaining Commenced 1Q19 (Mar). Expected	Equipment RFQ's and Sub	contractor Bid Documents throu	
Details	Apr-2020 Startup is delayed due to			
Project Milestones	AFE 201808	Sub Bid Doc 201903	Completion 28-Feb-2020	
Long-Le Engineering	ead 201810 Equip RFQ 201903	Kick-Off 201903	Kickoff Slippage 12 Months	Duration 12 Months
Contracting	Electrical Environme	ental	Instrumentation Mechanical	Structural
Project Key Needs Civil/Site	Structural	Control Room		
Instrumentat Piping/Fitting			NDE Valves Pumps	
Piping/Fitting Communicat		and Oundes	Valves Pumps Transportation	
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts								
Functional/Actual Title	Contact Name/E-mail	Telephone/C	Dn-site		QC Date/LinkedIn ID			
Plant Manager		[Phn.] +1 21	0 920 2255		Apr-2023			
WTX Pipeline Operations Supervisor		No	No			cody-ward-95b642b3		
Maintenance Manager		[Phn.] +1 210 920 2255			Apr-2023			
WTX Pipeline Operations Supervisor		No			cody-ward-95b642	2b3		
Purchasing Manager	Cody Ward	[Phn.] +1 21	0 920 2255		Apr-2023			
WTX Pipeline Operations Supervisor		No			cody-ward-95b642	2b3		
Engineering Manager		[Phn.] +1 21	0 920 2255 / [Alt.] +1 210 7	84 7386	Apr-2023			
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No			brad-baker-31246	21a		
Environmental Manager	,	[Phn.] +1 21	0 920 2255		Apr-2023			
WTX Pipeline Operations Supervisor		No			cody-ward-95b642	2b3		
Safety Manager		[Phn.] +1 21	0 920 2255		Apr-2023			
WTX Pipeline Operations Supervisor		No			cody-ward-95b642b3			
Utilities Manager	Cody Ward	[Phn.] +1 21	0 920 2255		Apr-2023			
WTX Pipeline Operations Supervisor		No	No			cody-ward-95b642b3		
Human Resource Manager	Jessica Roy	[Phn.] +1 21	0 569 6696		Apr-2023			
Executive Assistant	jessica.roy@epicmid.com	No			jessica-roy-21487244			
			Historical Reports					
Project Name			Report Date		TIV	Phase		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	15-Mar-2017		40,000,000 USD	Project Justification (P1 - 16)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	23-Jan-2018		40,000,000 USD	Project Justification (P1 - 16)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	27-Jun-2018		40,000,000 USD	Permitting (P2 - 18)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	14-Aug-2018		40,000,000 USD	Purchasing (E2 - 21)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	10-Dec-2018		40,000,000 USD	Purchasing (E2 - 21)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	06-Mar-2019		40,000,000 USD	Construction - Merit Shop (C1 - 36)		
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION 15-Jan-2020		15-Jan-2020		40,000,000 USD	Construction - Merit Shop (C1 - 36)			
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	13-Feb-2020			Construction - Merit Shop (C1 - 36)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	04-Mar-2020		40,000,000 USD	Final Commissioning (C1 - 40)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	07-Apr-2020		40,000,000 USD	Final Commissioning (C1 - 40)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	13-Apr-2020		40,000,000 USD	Final Commissioning (C1 - 40)		
TILDEN GRASSROOT EPIC	CRUDE OIL PIPELINE PUN	MP STATION	23-Apr-2020		40,000,000 USD	Completion/Start-Up (C1 - 41)		
			•					

				EXNIDIL	JPLDC-10
data highlighted in red be	ow is data that has been	added or updated in t	he last release of the	e project	
ital PEC Report					Project ID: 300341011
	me BRACKETTVILLE GRA		OIL PIPELINE PUMP	STATION	PEC Activity Diagram
Umbrella Project Na	me EPIC CRUDE OIL PIPE	LINE			Umbrella Project Count 27
Umbrella Project Summ	ary				
Industry C	de 03 Oil & Gas Pipelines		Project Typ	e Grassroot	
•	SD) 40,000,000				5-2-
SIC C	de 4612 Crude Petroleum	Pipelines	Sect	or Crude Pipelines	- the sould
SIC Proc	uct 4612*0003 Crude Oil P	ump Stations			
	tus Complete / Done	Last Upda	· · · · · · · · · · · · · · · · · · ·	nitial Release 15-Mar-	
Environme	ntal Air (A) Land (L)			Preference Unconfirm	
			•	Preference Union, No	n-Unior
Project Capa	city Plai	nned 600,000 BBL/d of 0	Crude Oil		
Plant Ow	ner EPIC Midstream Holdir	gs, LP	Plant Pare	nt EPIC Midstream Ho	ldings, LP
Plant Na	me Epic Brackettville Crude	e Oil	Unit Nam	e Brackettville 01 EM	Brackettville 02 EM
Diam	Pump Station				
	t ID 3238422 ion West of Brackettville		Phor	ne +1 210 569 6696	
	ate Brackettville, Texas 78	332		ty TX*09, Kinney	
Oity/0	U.S.A.	552	Zone/Coun	ty TX 03, Runney	
Project Responsib	lity Project Company			Project Contact	
	ger EPIC Midstream Holdir			Grant Terry	
	18615 Tuscany Stone,			Project Engineer	
	San Antonio, Texas 78	258		[Tel.] +1 210 569 66	
	U.S.A.			[E-Mail] grant.terry@ [LinkedIn] grant-terr	texstarlogistics.com;
Project Execu	ive EPIC Midstream Holdir	ac I D		Justin Gordon	y-35974311a
Floject Execu	18615 Tuscany Stone,				neering & Operations
	San Antonio, Texas 78			[Tel.] +1 210 569 66	
	U.S.A.			· ·	n@texstarlogistics.com;
				[LinkedIn] justin-gor	
Project Execu	ive EPIC Midstream Holdin	gs, LP		Phillip Mezey	
	18615 Tuscany Stone,			Chief Executive Offi	
	San Antonio, Texas 78	258		[Tel.] +1 210 569 66	
	U.S.A.				@texstarlogistics.com
	G/C Pumpco Incorporated			Derek Kieschnick	
	P O Box 742 Giddings, Texas 78942			Project Estimator [Tel.] +1 979 542 90	154
	U.S.A.			[E-Mail] derek.kiesc	
PEC® Tim			PEC® Activi	ty Completion/Start-Up	
	lity Completed (100%)				
-		mpco (G/C) continues C	onstruction for a Grass	root Crude Oil Pump S	Station. DETAILS: Construct
					730-mile 600,000 BBL/d
					peline Headers, Manifolds, bl Valves, Block Valves, Gea
		plus Controls. ENVIRO			
Sched	ule Epic Midstream with Pu				
		ng Equipment RFQ's and		cuments through 4Q18	(Dec). Construction
		c). Expected Project Con		O-mulation of Esk opp	
Project Milestones				Completion 28-Feb-2020	
	•••		Off 201812 Kick	off Slippage 9 Months	Duration 15 Months
Engineering Civi Contracting Civi	Electrical Electrical	Environmental Environmental		Instrumentation Mec Instrumentation Mec	
contracting of	Liectrical	Linnonmental			[G/C]
Project Key Needs Civi	/Site				
Inst	umentation Electrical	Mechanical		NDE	<u> </u>
Pipi	ng/Fittings Insulation/Coa	tings Environmental Utili	ties	Valves Pur	•
	munications			Trar	sportation
Con					
Con Matter Phase	Liquid				
	Liquid				
Matter Phase	Liquid				
Matter Phase Energy	Liquid				
Matter Phase Energy Buy Electricity	Liquid	Plant Standard Co			
Matter Phase Energy Buy Electricity Sell Functional/Actual Title Cont	act Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID		
Matter Phase Energy Buy Electricity Sell Functional/Actual Title Cont Plant Manager Grow	act Name/E-mail	Telephone/On-site [Phn.] +1 210 920 2255	QC Date/LinkedIn ID		
Matter Phase Energy Buy Electricity Sell Functional/Actual Title Cont	act Name/E-mail er Clifton	Telephone/On-site	QC Date/LinkedIn ID May-2023		

VP Operations		No	
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	May-2023
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	William Crochet	[Phn.] +1 713 395 6340	May-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Environmental Manager	William Crochet	[Phn.] +1 713 395 6340	May-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Safety Manager	Brad Taylor	[Phn.] +1 713 395 6340	May-2023
Director of Safety, Security, and Training		No	brad-taylor-csp-0410b047
Utilities Manager	Grover Clifton	[Phn.] +1 210 920 2255	May-2023
VP Operations		No	
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	May-2023
		No	annagorshkovasmith

Historical Reports								
Project Name	Report Date	TIV	Phase					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Construction - Merit Shop (C1 - 36)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	11-Dec-2018	40,000,000 USD	Construction - Merit Shop (C1 - 36)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	12-Dec-2019	40,000,000 USD	Construction - Merit Shop (C1 - 36)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Jan-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Feb-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	04-Mar-2020	40,000,000 USD	Final Commissioning (C1 - 40)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	07-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)					
BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	•	40,000,000 USD	Completion/Start-Up (C1 - 41)					
$\ensuremath{\mathbb{C}}$ 2023 ALL RIGHTS RESERVED. Industrial Info Resources, Inc Sugar Land, T	X - 800-762-3361							

by data highlighted in red below	ic data that has he	on addad ar u	adatad in th	o lost rolog	so of the project	
ny data highlighted in red below apital PEC Report	is data that has be	en added or u	boated in tr	ie last releas		Project ID: 3003896
Project Name Umbrella Project Name	ORLA GRASSROO		ELINE PHA	SE II		PEC Activity Diagra
-		e project will cor	nect 170,00	0 barrels per	day of fractionation capacity at	-
	03 Oil & Gas Pipelin			Pro	ject Type Grassroot	
	360,000,000 4922 Natural Gas Tr	ransmission			Sector Natural Gas Liquids	
	4922*0010 Natural (Gas Liquids Pipe			Pipelines	- Corr
	Complete / Done Air (A) Land (L)		•		Labor Preference Union, No	n-Unior
		Pinolino	Installation		s Labor Preference Union, No	n-Onior
nstallation Type	Pipeline Le	ngth Unit of Me		Details	Pipeline Diameter Ur	nit of Measure
Greenfield		128 Miles (mi)			16 In	ches (in)
Plant Owner	EPIC Midstream Ho	ldings, LP		Pla	nt Parent EPIC Midstream Ho	ldings, LP
	Orla NGL Pump Sta 3278237	tion		U	Init Name	
	North of Orla				Phone +1 210 920 2255	
· · · ·	Orla, Texas 79770 L	J.S.A.		Zon	e/County TX*06, Reeves	
Project Responsibility		Idingo I D			Project Contact	
Project Executive	EPIC Midstream Ho 18615 Tuscany Stor	-			Phillip Mezey Chief Executive Offi	cer
	San Antonio, Texas				[Tel.] +1 210 495 55	
	U.S.A.				[E-Mail] phil.mezey	@epicmid.com
Project Director	EPIC Midstream Ho	ldings, LP			Justin Gordon	
	18615 Tuscany Stor	ne, Suite 180			Vice President Engi	neering & Operations
	San Antonio, Texas	78258			[Tel.] +1 210 495 55	577
	U.S.A.				[E-Mail] justin.gordo justin-gordon-2a213	n@epicmid.com ; [LinkedIr 241
Project Manager	EPIC Midstream Ho	ldings, LP			Grant Terry	
	18615 Tuscany Stor	ne, Suite 180			Project Engineer - F	lipeline
	San Antonio, Texas	78258			[Tel.] +1 210 495 55	
	U.S.A.				[E-Mail] ; [LinkedIn]	grant-terry-35974311a
G/C	Pumpco Incorporate	ed			Derek Kieschnick	
	P O Box 742				Project Estimator	
	Giddings, Texas 789	942			[Tel.] +1 979 542 90	
	U.S.A.				[E-Mail] derek.kiesc	· · ·
PEC® Timing				PEC	R Activity Completion/Start-Up)
Project Probability	• • • •	adire et eule sidie :			ith Durance Incompareted (Dine	line Construction) continue
Scope					rith Pumpco Incorporated (Pipe of the EPIC NGL pipeline, cons	
	16"-diameter transm Benedum, TX) to tra Christi, TX. REQUIR	iission pipe (roug insport 450,000 l RES: Trenching,	hly 128 mile 3BL/d of Per Transmissior	s from Delaw mian Basin ar n Pipe, Cathor	are Basin Midstream's Ramsey nd Eagle Ford natural gas liquid dic Protection, Coatings, MCC, ENVIRONMENTAL: (A) Leak I	Plant (Plant ID 3240172) t ds from Loving, NM to Corp Pig Launching/Receiving,
Schedule	Epic NGL with Pump Project Completion		onstruction th	rough 1Q19 ((Mar). Construction Commence	d 2Q18 (Apr). Expected
Project Milestones		AFE 201709	Sub Bid D	oc 201804	Completion 31-Jan-2019	Precision MONTH
Long-Le	ad 201712 Equip	RFQ 201804	Kick-0	Off 201804	Kickoff Slippage 3 Months	Duration 10 Months
Engineering Civil Contracting	Electrical Electrical	Environmental Environmental			nentation Mechanical nentation	
Project Key Needs Civil/Site						
Instrumentation		Mechanical	Itilitioo	Valvo	NDE	
Piping/Fittings Communications	Insulation/Coatings	Environmental	Junues	Valves	s Transportation	
Matter Phase	Liquid					
Energy						
Buy Electricity						
Sell		Plant St	andard Cor	itacts		
Functional/Actual Title Contact	Name/E-mail	Telephone/		QC Date/Linl	kedin ID	
Plant Manager Matt Wa		•	0 620 4593			
-		[] 2	2 020 7000	2011 2020		
Senior Operations		No		matt-warren-		

180,000,000 USD Construction - Merit Shop (C1 - 36)

180,000,000 USD Construction - Merit Shop (C1 - 36)

180,000,000 USD Construction - Merit Shop (C1 - 36)

360,000,000 USD Construction - Merit Shop (C1 - 36) 360,000,000 USD Construction - Merit Shop (C1 - 36)

360,000,000 USD Completion/Start-Up (C1 - 41)

Maintananaa Maraaraa	Cliff Calf	[Dhm]	1 040 500 0000	I.u. 000	2			
Maintenance Manager		[Pnn.]	+1 210 569 6696	Jun-202	3			
Pipeline Operations Manager		No	No		cliff-self-9571681b8			
Purchasing Manager	Travis McGloughlin	[Phn.]	+1 210 920 2255	Jun-2023	3			
	travis.mcgloughlin@epicmid.com	No		travis-mo	cgloughlin-593b5615			
Engineering Manager	Matt Warren	[Phn.]	+1 210 620 4593	Jun-2023	3			
Senior Operations Manager Crude, NGL		No r		matt-warren-5833a7220				
Environmental Manager	William Crochet	[Phn.]	+1 210 920 2255	Jun-2023	3			
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No		william-c	rochet-50a25b146			
Safety Manager	Brad Taylor	[Phn.] +1 713 395 6340		Jun-2023				
Director of Safety, Security, and Training		No		brad-taylor-csp-0410b047				
Utilities Manager	Matt Warren	[Phn.]	+1 210 620 4593	Jun-2023				
Plant Manager		No		matt-warren-5833a7220				
Human Resource Manager	Natalia Johnson	[Phn.]	+1 210 569 6696	Jun-2023				
Human Resource Coordinator		No		nat-johnson				
			Historical Report	rts				
Project Name		R	Report Date		TIV	Phase		
ORLA GRASSROOT EPIC	NGL PIPELINE PHASE II TX POR	TION 1	2-Oct-2017		180,000,000 USD	Planning and Scheduling (E2 - 25)		
ORLA GRASSROOT EPIC	NGL PIPELINE PHASE II TX POR	TION 0	9-Mar-2018		180,000,000 USD	Construction - Merit Shop (C1 - 36)		
ORLA GRASSROOT EPIC	NGL PIPELINE PHASE II TX POR	TION 1	2-Apr-2018		180,000,000 USD	Construction - Merit Shop (C1 - 36)		
ORLA GRASSROOT EPIC	NGL PIPELINE PHASE II	2	27-Jun-2018		180,000,000 USD	Construction - Merit Shop (C1 - 36)		
ORLA GRASSROOT EPIC	NGL PIPELINE PHASE II	1	0-Dec-2018		180,000,000 USD	Construction - Merit Shop (C1 - 36)		

15-Mar-2019

18-Apr-2019

15-Aug-2019

20-Nov-2019

11-Dec-2019

15-Jan-2020

ORLA GRASSROOT EPIC NGL PIPELINE PHASE II

*Any data highlighted in red below Capital PEC Report	is data that has been added or updated in the last	release of the project Project ID: 300348696
	SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE SHIN OAK NGL PIPELINE	PEC Activity Diagram Umbrella Project Count 12
Umbrella Project Summary	,	
-	03 Oil & Gas Pipelines 950,000,000	Project Type Grassroot
	4922 Natural Gas Transmission	Sector Natural Gas Liquids Pipelines
SIC Product	4922*0010 Natural Gas Liquids Pipeline	- the second
		ruction Labor Preference Unconfirmed
Project Capacity	•	rations Labor Preference Union, Non-Unior
	Pipeline Installation Details	
Installation Type	Pipeline Length Unit of Measure	Pipeline Diameter Unit of Measure
Greenfield		
	571 Miles (mi)	24 Inches (in)
Plant Name	Enterprise Products Partners LP Garden City NGL Pump Station	Plant Parent Enterprise Products Partners LP Unit Name
	3244164 15 Miles North East of Garden	Phone +1 575 393 4328
City/State	City Garden City, Texas 79739 U.S.A.	Zone/County TX*06, Glasscock
Project Responsibility		Project Contact
	Enterprise Products Partners LP	Scott Canterbury
i rojeot manager	PO Box 4324	Project Manager
	Houston, Texas 77210-4324 U.S.A.	[Tel.] +1 713 381 6500 [E-Mail]
Contracts Administrator	Enterprise Products Partners LP	Corey Humphrey
	1100 Louisiana Suite 1600	Sourcing Specialist
	Houston, Texas 77002	[Tel.] +1 713 381 6500
	U.S.A.	[E-Mail] chumphrey@eprod.com
G/C	MPG Pipeline Contractors LLC	Bruce Ainsworth
	16770 Imperial Valley, Suite 105	Operations Manager
	Houston, Texas 770660	[Tel.] +1 713 904 1168
	U.S.A.	[E-Mail] bainsworth@mpg-plc.com
G/C	Primoris	Regina Lucas
	1010 County Road 59	Construction Project Manager
	Rosharon, Texas 77583	[Tel.] +1 281 431 5900
	U.S.A.	[E-Mail] rlucas@prim.com
G/C	Pumpco Incorporated	Derek Kieschnick
	P O Box 742	Project Estimator
	Giddings, Texas 78942	[Tel.] +1 979 542 9054
	U.S.A.	[E-Mail] derek.kieschnick@pumpco.cc
G/C	Troy Construction LLC	Ryan Kramer
	162 Caddo Drive Suite 110	Project Manager
	Abilene, Texas 79602 U.S.A.	[Tel.] +1 325 676 8214
		Cameron Jameson
6/0	Nc Contractors Incorporated 2497 West Interstate Inn	Construction Superintendent
	Wallisville, Texas 77597	[Tel.] +1 713 202 4292
	U.S.A.	
PEC® Timing		PEC® Activity Completion/Start-Up
Project Probability		
	Enterprise Products Partners awards MPG Contractors (2) & (3) - 185 miles), Troy Construction (G/C) - (Spread (7) - 95 miles), Nc Contractors (G/C) (Spread 8) - 50 mil DETAILS: As part of the Shin Oak Pipeline project, cons Enterprise's Hobbs NGL Fractionator and storage facility fractionation complex (Plant ID 1517384) to transport 55	(G/C) - (Spread (1) - 120 miles), Primoris Services (G/C) - (Spread 4 (4) & (5) - 125 miles), Pumpco Incorporated (G/C) (Spread (6) & les) and continues with Construction for a Grassroot NGL Pipeline. struct 571 miles of 24"-diameter transmission pipeline from y (Plant ID 1066668) in Gains City, TX to Enterprises' Mont Belvieu 50,000 BBL/d (expandable to 600,000 BBL/d) of Permian Basin
	Coatings, Pig Launching, Piping, Metering, Utilities plus Containment.	
Schedule		and Nc Contractor continues with Construction Activities and kages 4Q18 (Oct) through 1Q19 (Feb). Construction Commenced
Project Milestones	AFE 201804 Sub Bid Doc 201	902 Completion 15-Feb-2019 Precision MONTH

	Long-Lead 201801	Equip RFQ 201810	Kick-Off 201810	Kickoff Slippage 1 M	Ionths Duration 5 Months
Engineering Contracting	Electrical	Environmental	Instrum	nentation Mechanical	
Piping/	nentation Electrical Fittings Insulation/Coa unications	Mechanical atings Environmental Utilities	Storag Valves		n
Comm	Material Hand	llina		Tansportation	
Matter Phase		quid			
Energy					
Buy Elec Sell	tricity				
Project Fuel Type Natu	iral Gas				
		Plant Standar	d Contacts		
Functional/Actual Title	Contact Name/E-mail			QC Date/LinkedIn ID	
Plant Manager	Rex Morsey	[Phn.] +1 432 681 2609		Nov-2022	
Operations Manager	rhmorsey@eprod.com	No		rex-morsey-04566756	
Maintenance Manager	Rex Morsey	[Phn.] +1 432 681 2600 x3		Nov-2022	
Operations Manager	rhmorsey@eprod.com	No		rex-morsey-04566756	
Purchasing Manager	Rex Morsey	[Phn.] +1 432 681 2609		Nov-2022	
Operations Manager	rhmorsey@eprod.com	No		rex-morsey-04566756	
Engineering Manager		[Phn.] +1 713 880 6500 / [Al No	t.] +1 281 240 5100	Nov-2022	
Environmental Manager	Christopher Spore	[Phn.] +1 432 221 7746		Nov-2022	
	cspore@eprod.com	No		christopher-spore-p-g-6	61320b22
Safety Manager	Christopher Spore	[Phn.] +1 432 221 7746		Nov-2022	
Environmental Manager	cspore@eprod.com	No		christopher-spore-p-g-6	61320b22
Utilities Manager	Rex Morsey	[Phn.] +1 432 681 2609		Nov-2022	
Operations Manager	rhmorsey@eprod.com	No		rex-morsey-04566756	
Human Resource Manager	Esmeralda Galvan	[Phn.] +1 713 381 6500		Nov-2022	
Director of Human Resources	egalvan@eprod.com	No		esmeralda-galvan-a7b	92a4
		Historical	Reports		
Project Name		Report Date		TIV	Phase
SEMINOLE GRASSROOT S	HIN OAK NGL PIPELINE	E 12-Apr-2017		750,000,000 USD	Project Scope (P1 - 03)

FIDJECT Name	Report Date	11V	Flidse
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	12-Apr-2017	750,000,000 USD	Project Scope (P1 - 03)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	21-Apr-2017	750,000,000 USD	Project Scope (P1 - 03)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	15-Feb-2018	750,000,000 USD	Owner Review of Issue (P2 - 19)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	24-Apr-2018	750,000,000 USD	Purchasing (E2 - 21)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	27-Jun-2018	750,000,000 USD	Site Preparation (E2 - 26)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	29-Oct-2018	950,000,000 USD	Construction - Merit Shop (C1 - 36)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	19-Sep-2019	950,000,000 USD	Construction - Merit Shop (C1 - 36)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	15-Nov-2019	950,000,000 USD	Construction - Merit Shop (C1 - 36)
SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE	13-Dec-2019	950,000,000 USD	Completion/Start-Up (C1 - 41)

				PLDC-1b
y data highlighted in red below bital PEC Report	is data that has been added or upda	ted in the last release	e of the project	Project ID: 300417156
Project Name	COYANOSA GULF COAST EXPRESS (GULF COAST EXPRESS (GCX) PIPELI		ATURAL GAS PIP	PEC Activity Diagram Umbrella Project Count 9
Umbrella Project Summary	Gulf Coast Express is a 447.5-Mile 42-In the Permian Basin, and terminating near			near Coyanosa, Texas in
-	03 Oil & Gas Pipelines		ect Type Grassroot	
SIC Code	450,000,000 4922 Natural Gas Transmission		Sector Natural Gas Pipelines	
Status	4922*0004 Natural Gas Pipelines Complete / Done Las Air (A) Land (L)	st Update 25-Sep-2019 Construction	9 Initial Release 09-Feb-20 Labor Preference Unconfirme	
Project Capacity	Planned 1 920 MMS	Operations CFD of Natural Gas, G	Labor Preference Union, Non-	Unior
i roject capacity		allation Details		
allation Type	Pipeline Length Unit of Measu		Pipeline Diameter Unit	t of Measure
eenfield	192 Miles (mi)		42 Incl	
Plant Owner	Kinder Morgan Texas Pipeline	Plan	nt Parent Kinder Morgan Incorp	porated
	Coyanosa Metering Station 3301911	Ur	nit Name	
	West of Coyanosa		Phone +1 713 369 9000	
City/State	Coyanosa, Texas 79730 U.S.A.	Zone	e/County TX*06, Pecos	
Project Responsibility			Project Contact	
Project Manager	Kinder Morgan Texas Pipeline LLC		Jason Hartman	
	1001 Louisiana Street Suite 1000 Houston, Texas 77002		Project Manager [Tel.] +1 713 369 900	0
	U.S.A.			an@kindermorgan.com
Project Manager	Kinder Morgan Texas Pipeline LLC		John Towles	ane kindermorgan.com
r tojeot manager	1001 Louisiana Street Suite 1000		ROW Project Manage	er
	Houston, Texas 77002		[Tel.] +1 713 369 900	
	U.S.A.		[E-Mail] john_towles@	kindermorgan.com
G/C	Pumpco Incorporated		Derek Kieschnick	
	P O Box 742		Project Estimator	
	Giddings, Texas 78942		[Tel.] +1 979 542 905	4
	U.S.A.		[E-Mail] derek.kieschr	nick@pumpco.cc
PEC® Timing Project Probability		PEC®	Activity Completion/Start-Up	
Scope	Kinder Morgan Texas Pipeline (KMTP) (s proceeds with Construction on a Grassro Project from the Permian Basin, install a miles of 42" (Spread 4) to transport up to Trenching, Excavating, 42" Diameter Tra Mods, Control/Block Valves, Pig Launchi ENVIRONMENTAL: (A) Leak Detection, KMTP in Conjunction with Pumpco contin Subcontractor Bid Documents 1Q19 (Fel Completion 3Q19 (Sep).	bot Natural Gas Pipeline pproximately 75 Miles of 0 1.92 Bcf/d of natural g ansmission Pipe, SCAD ing and Receiving, (10) (L) Containment. nues with Construction b) through 2Q19 (May).	e. DETAILS: As part of the Gulf of 42" diameter transmission pip as from Del Rio, TX to Agua Du A, Cathodic Protection, Coating Metering Stations, Electrical Uf Activities and releases remainin Construction Commenced 1Q	Coast Express Pipeline Jeline (Spread 3) and 117 JICe, TX. REQUIRES: Js, Custody Transfers, MCC Julities plus Controls. Ing Equipment RFQ's and J9 (Feb). Scheduled Project
Project Milestones		ub Bid Doc 201905	Completion 25-Sep-2019	Precision QUARTER
-	ad 201708 Equip RFQ 201902	Kick-Off 201902	Kickoff Slippage 4 Months	Duration 8 Months
Engineering Contracting Project Key Needs	Electrical Environmental	Instrum trol Room	nentation Mechanical	
Instrumentation			NDE	
Piping/Fittings Communication	Insulation/Coatings Environmental Utilit	ties Valves	Pumps Transportation	
	Material Handling			
Matter Phase Gas Energy				
Buy Electricity Sell				
	I	Historical Reports		
				TIV Disease
ject Name			Report Date	TIV Phase
•	S (GCX) GRASSROOT NATURAL GAS F	PIPELINE (SPREAD 3 8	•	

COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4) 30-Jul-2018 450,000,000 USD Permitting (P2 - 18)

ny data highlighted in red below	is data that has been added or upda	ted in the last release of the i	project	
apital PEC Report				oject ID: 3003896
-	LOVING GRASSROOT EPIC NGL PIPE EPIC Y-GRADE NGL PIPELINE	LINE PHASE I NM PORTION	Umbr	PEC Activity Diagonal PEC Activity Diagonal Project Country
Umbrella Project Summary	The Y-Grade Pipeline project will connect in Robstown, Texas.	t 170,000 barrels per day of frac	tionation capacity at the ter	minus of the pipelin
TIV (USD)	03 Oil & Gas Pipelines 20,000,000 4922 Natural Gas Transmission	Project Type Sector	Natural Gas Liquids	
Status	4922*0010 Natural Gas Liquids Pipeline Complete / Done Las Air (A) Land (L)	st Update <u>10-Dec-2018</u> Init Construction Labor Pr	Pipelines ial Release 12-Oct-2017	
		Operations Labor Pr	eference Union, Non-Unior	
Project Capacity	Planned 220,000 BB	BL/d of Natural Gas Liquids (NGL)	
	Pipeline Inst	allation Details		
stallation Type	Pipeline Length Unit of Measu	ire Pi	peline Diameter Unit of M	easure
Freenfield	16.50 Miles (mi)		12 Inches (ir	ו)
Plant Name Plant ID	EPIC Midstream Holdings, LP Loving NGL Pump Station 3278228	Unit Name	EPIC Midstream Holdings,	LP
	978 Bounds Road Loving, New Mexico 88256 U.S.A.	Zone/County	+1 210 920 2255 NM*02, Eddy	
Project Responsibility			Project Contact	
	EPIC Midstream Holdings, LP		Grant Terry	
	18615 Tuscany Stone, Suite 275		Project Engineer - Pipeline	
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696	
	U.S.A.		[E-Mail] ; [LinkedIn] grant-te	erry-35974311a
Project Director	EPIC Midstream Holdings, LP		Justin Gordon	-
•	18615 Tuscany Stone, Suite 275		Vice President Engineering	& Operations
	San Antonio, Texas 78258 U.S.A.		[Tel.] +1 210 569 6696 [E-Mail] justin.gordon@epio justin-gordon-2a213241	cmid.com ; [Linked
Project Executive	EPIC Midstream Holdings, LP		Phillip Mezey	
	18615 Tuscany Stone, Suite 275		Chief Executive Officer	
	San Antonio, Texas 78258		[Tel.] +1 210 569 6696	
	U.S.A.		[E-Mail] phil.mezey@epicm	nid.com
G/C	Pumpco Incorporated		Derek Kieschnick	
	P O Box 742		Project Estimator	
	Giddings, Texas 78942		[Tel.] +1 979 542 9054	
	U.S.A.		[E-Mail] derek.kieschnick@	pumpco.cc
PEC® Timing Project Probability		PEC® Activity	Completion/Start-Up	· · ·
Scope	Epic NGL Pipeline with Holloman Corpor Pipeline. DETAILS: As part of the EPIC I miles of 12" in NM as Phase I between D Ramsay Plant (Plant ID 3046063) near O liquids from DLK's Black River Processin Transmission Pipe, Cathodic Protection, Control Valves plus Controls. ENVIRON Epic NGL with Holloman continues Cons Completion 2Q18 (Apr).	NGL pipeline, construct 650 mile DLK's Black River Gas Plant (Pla Drla, TX) to transport 350,000 BB og Plant near Malaga, NM to Cor Coatings, MCC, Pig Launching/I MENTAL: (A) Leak Detection; (L)	s of 12"- and 16"-diameter t nt ID 3218569) to Delaware L/d of Permian Basin and E ous Christi, TX. REQUIRES Receiving, Utilities, Metering Ocontainment.	ransmission pipe (* Basin Midstream's agle Ford natural g : Trenching, g, Block Valves,
Project Milestones	AFE 201709	Sub Bid Doc 201804 C	completion 15-Apr-2018	Precision MONTH
Long-Le	ead 201712 Equip RFQ 201804	Kick-Off 201710 Kicko	ff Slippage -3 Months	Duration 7 Month
Engineering Civil Contracting	Electrical Environmental Electrical Environmental	Instrumentation Instrumentation	Mechanical	
Project Key Needs Civil/Site				
Instrumentation Piping/Fittings Communications	Electrical Mechanical Insulation/Coatings Environmental Utilit	ies Valves	NDE Transportation	
Matter Phase	Liquid			
Energy				
Buy				
Sell				
0011				
	Plant Stand	lard Contacts		

Plant Manager	Matt Warren	[Phn.] +1 210	0 620 4593 / [Alt.] +1 210	920 2255	Dec-2022		
Senior Operations		No					
Manager Crude, NGL					-		
Maintenance Manager		[Phn.] +1 210	0 920 2255		Dec-2022		
WTX Pipeline Operations Supervisor		No			cody-ward-95b642	2b3	
Purchasing Manager	Kevin Chavez	[Phn.] +1 210	0 920 2255		Dec-2022		
		No			kevin-chavez-88a8	38916a	
Engineering Manager			0 920 2255 / [Alt.] +1 210	784 7386	Dec-2022		
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No			brad-baker-31246	21a	
Environmental Manager	Grover Clinton	[Phn.] +1 210	0 495 5577		Dec-2022		
Vice President, Operations		No	No				
Safety Manager	Grover Clinton	[Phn.] +1 210	[Phn.] +1 210 495 5577		Dec-2022		
Vice President, Operations		No					
Utilities Manager	Cody Ward	[Phn.] +1 210	0 920 2255		Dec-2022		
WTX Pipeline Operations Supervisor		No			cody-ward-95b642b3		
Human Resource Manager	Anya Smith	[Phn.] +1 912	2 236 1579		Dec-2022		
		No		annagorshkovasmith			
Historical Reports							
Project Name			Report Date		TIV	Phase	
LOVING GRASSROOT EPIC	C NGL PIPELINE PHASE II N	M PORTION	12-Oct-2017		20,000,000 USD	Planning and Scheduling (E2 - 25)	
LOVING GRASSROOT EPIC	C NGL PIPELINE PHASE II N	M PORTION	09-Mar-2018		20,000,000 USD	Construction - Merit Shop (C1 - 36)	
LOVING GRASSROOT EPIC	C NGL PIPELINE PHASE II N	M PORTION	12-Apr-2018		20,000,000 USD	Construction - Merit Shop (C1 - 36)	
LOVING GRASSROOT EPIC	C NGL PIPELINE PHASE I N	IM PORTION	25-Jun-2018		20,000,000 USD	Completion/Start-Up (C1 - 41)	
LOVING GRASSROOT EPIC	C NGL PIPELINE PHASE I N	IM PORTION	10-Dec-2018		20,000,000 USD	Completion/Start-Up (C1 - 41)	

ny data highlighted in red be	elow is data that has b	een added or updated in	the last release of th	e project	
apital PEC Report					Project ID: 3003917
Project N	ame DELAWARE BASI	N GRASSROOT NATURAL	GAS GATHERING LIN	E	PEC Activity Diag
A Industry (Code 04 Production (Oil	& Gas)	Project Ty	pe Grassroot	
100		,			Comp.
•	JSD) 8,000,000		. .		- Sil
	Code 4922 Natural Gas		Sect	or Natural Gas Pipeline	s Contractor
	duct 4922*0004 Natural	•			- Contraction
	atus Complete / Done	Last Upd	U U	Initial Release 18-Oct-2	
Environme	ental Air (A) Land (L)		Construction Labor	Preference Unconfirme	ed
			Operations Labor	Preference Non-Union	
		Pipeline Installatio	n Details		
stallation Type	Pineline I	ength Unit of Measure		Pipeline Diameter Uni	t of Measure
Greenfield	i ipenne L	8 Miles (mi)			hes (in)
	wner Stateline Processir	-		nt Howard Midstream E	nergy Partners LLC
Plant N	lame Stateline 'Reeves (Unit Nar	ne	
	Natural Gas Proce	ssing Plant			
	nt ID 3257907				
Loca	ation 4.26 miles Northea	st of Orla,off	Pho	ne +1 855 979 2012	
_	County Road 652		_		
· · · · · ·	State Orla, Texas 79772	U.S.A.	Zone/Cour	ty TX*06, Reeves	
	bility Project Company			Project Contact	
Project Man	ager Howard Midstream			John Baumhardt	
	17806 IH 10 West			Operations Manager	
	San Antonio, Texa	s 78257-8222		[Tel.] +1 210 298 222	22
	U.S.A.			[E-Mail] jbaumhardt@	howardep.com
Project Man	ager Howard Midstream	Energy Partners LLC		Brandon Burch	
· · · , · · · · ·	17806 IH 10 West	••		VP Operations and E	naineerina
	San Antonio, Texa			[Tel.] +1 210 298 222	
	U.S.A.	\$ 10231-0222			
				[E-Mail] bburch@hov	
Project Man	ager Howard Midstream	••		Jason Hughes	
	17806 IH 10 West	Suite 210		Project Manager	
	San Antonio, Texa	s 78257-8222		[Tel.] +1 210 298 222	22
	U.S.A.			[E-Mail] jhughes@ho	wardep.com
	G/C Pumpco Incorporat	ted		Adam Nietsche	
	P O Box 742			Project Manager	
	Giddings, Texas 78	3942		[Tel.] +1 979 542 905	54
	U.S.A.	5012		[E-Mail] adam.nietscl	
PEC® Ti					ic epumpeo.ee
	•		FEC® ACIIV	ity Completion/Start-Up	
	bility Completed (100%)		\sim	automa Construction a	
5		Energy Partners with Pump . DETAILS: In Delaware Bas			
		S: Site Preparation, Trench			
		es, Well Interconnections, T			
		; (L) Containment, Liners.			
Sche	· · /	Energy Partners with Pump	co Incorporated perform	ns Construction through	2018 (Jun) Howard
Solid		Partners releases Equipmer			
		s remaining Subcontractors			
	Expected Project C	Completion 2Q18 (Jun).			
	AFE 201712	Sub Bid Doc 201802	Compl	etion 15-Jun-2018	Precision QUARTER
Project Milestones	Equip RFQ 201802	Kick-Off 201802	•	page 1 Months	Duration 5 Months
			Nickon Slip	Page i monulo	Duration 5 Months
Engineering					
Contracting		Environmental			
Project Key Needs Civil/Site					
Instrumenta		Mechanical		NDE	
Piping/Fitting	gs Insulation/Coatings	Environmental Utilities	Valves	Pumps	
Communica	tions			Transportation	
Matter Phase Gas					
Energy					
Buy					
0.11					
Sell	Gas				
Sell Project Fuel Type Natural (Diant Standard C	ontacts		
		Plant Standard C			
Project Fuel Type Natural			QC Date/Linkedl	ID	
Project Fuel Type Natural	ntact Name/E-mail	Telephone/On-site		n ID	
Project Fuel Type Natural Functional/Actual Title Cor Plant Manager Pau	n tact Name/E-mail Il Beacham	Telephone/On-site [Phn.] +1 855 979 2		1 ID	
Project Fuel Type Natural	n tact Name/E-mail Il Beacham	Telephone/On-site [Phn.] +1 855 979 2		n ID	
Project Fuel Type Natural Functional/Actual Title Cor Plant Manager Pau	ntact Name/E-mail Il Beacham Il beacham@wpxenergy.	Telephone/On-site [Phn.] +1 855 979 2	2012 May-2023	n ID	

8,000,000 USD Preliminary Design (P1 - 07)

8,000,000 USD Completion/Start-Up (C1 - 41)

8,000,000 USD Construction - Merit Shop (C1 - 36)

Purchasing Manager	Carolyn Price	[Phn.] +1 855 979 201	2 May-20	23				
Facilities & Construction Lead	carolyn.price@wpxenergy.com (!)	No						
Engineering Manager	Steve Bernhardt	[Phn.] +1 855 979 201	2 May-20	23				
Petroleum Production Engineer		No	steve-b	ernhardt-21b7a7a3				
Environmental Manager	Karolina Blaney	[Phn.] +1 970 589 074	3 May-20	23				
Environmental Specialist		No						
Safety Manager	Karolina Blaney	[Phn.] +1 970 589 074	3 May-20	23				
Environmental Specialist		No						
Utilities Manager	Paul Beacham	[Phn.] +1 855 979 201	2 May-20	23				
Sr. Production Foreman	paul.beacham@wpxenergy.com (!)	No						
Human Resource Manager	Linda Garhart	[Phn.] +1 855 979 201	2 May-20	23				
Vice President, Human Resources		No						
	Historical Reports							
Project Name		Report Date		TIV	Phase			
DELAWARE BASIN GRASS	ROOT NATURAL GAS GATHERING	LINE 18-Oct-2017		8,000,000 USD	Preliminary Design (P1 - 07)			

DELAWARE BASIN GRASSROOT NATURAL GAS GATHERING LINE 06-Feb-2018 DELAWARE BASIN GRASSROOT NATURAL GAS GATHERING LINE 13-Feb-2018

DELAWARE BASIN GRASSROOT NATURAL GAS GATHERING LINE 22-Aug-2018

apital PEC Report					Project ID: 3003917
1 Project Na	me DELAWARE BAS	IN GRASSROOT CRUDE G	ATHERING LIN	E	PEC Activity Diag
Industry Co	ode 04 Production (Oil	& Gas)	Pro	oject Type Grassroot	
TIV (US	SD) 5,000,000				1577
-	de 4612 Crude Petrol	eum Pipelines		Sector Crude Pipelines	
SIC Prod	uct 4612*0001 Crude	•			A BAR
	tus Complete / Done	Last Upo	date 22-Aug-20		
Environmer	ntal Air (A) Land (L)			n Labor Preference Unconfirme	d
			Operation	s Labor Preference Non-Union	
		Pipeline Installation	on Details		
stallation Type	Pipeline I	Length Unit of Measure		Pipeline Diameter Unit	t of Measure
Greenfield		5 Miles (mi)		10 Incl	nes (in)
Plant Ow	ner Stateline Processi	ng LLC	Pla	ant Parent Howard Midstream E	nergy Partners LLC
	me Stateline 'Reeves		I	Jnit Name	
	Natural Gas Proce	essing Plant			
	ID 3257907				
Locat	ion 4.26 miles Northea County Road 652	ast of Orla, off		Phone +1 855 979 2012	
City/St	ate Orla, Texas 79772	2 U.S.A.	Zo	ne/County TX*06, Reeves	
· · · · ·	lity Project Company			Project Contact	
		n Energy Partners LLC		John Baumhardt	
	17806 IH 10 West			Operations Manager	
	San Antonio, Texa	is 78257-8222		[Tel.] +1 210 298 222	2
	U.S.A.			[E-Mail] jbaumhardt@	howardep.com
Project Mana	ger Howard Midstream	n Energy Partners LLC		Brandon Burch	
	17806 IH 10 West	Suite 210		VP Operations and E	ngineering
	San Antonio, Texa	is 78257-8222		[Tel.] +1 210 298 222	
	U.S.A.			[E-Mail] bburch@how	ardep.com (!)
Project Mana	-	n Energy Partners LLC		Jason Hughes	
	17806 IH 10 West			Project Manager	•
	San Antonio, Texa	is 78257-8222		[Tel.] +1 210 298 222	
	U.S.A.	41		[E-Mail] jhughes@hov	wardep.com
l l	G/C Pumpco Incorpora P O Box 742	ited		Adam Nietsche Project Manager	
	Giddings, Texas 7	80/2		[Tel.] +1 979 542 905	٨
	U.S.A.	0012		[E-Mail] adam.nietsch	
PEC® Tim			PEC	Activity Completion/Start-Up	
	lity Completed (100%)	-		
Sco				C) performs Construction on a G	
				ch, Crude gathering pipeline. RE	
				tings, Pig Launching & Receiving lus Controls. ENVIRONMENTAL	
	Containment, Line				
Sched				d continues with Construction three	
				Q's and Pumpco Incorporated re	
	•	eviews and selects Subcontr Completion 2Q18 (Jun).	actors as neede	ed 1Q18 (Feb)-2Q18. Constructio	n Commenced 1Q18 (F
	AFE 201712	Sub Bid Doc 201802	2	Completion 15-Jun-2018	Precision QUARTER
Project Milestones	Equip RFQ 201802	Kick-Off 201802		koff Slippage 1 Months	Duration 5 Months
Engineering			2 NK	Kon Shphage T Months	Duration 5 Months
Engineering Contracting		Environmental			
Project Key Needs Civil/Site					
Instrumentatio	on Electrical	Mechanical		NDE	
Piping/Fittings		s Environmental Utilities	Valves	Pumps	
Communicatio	-			Transportation	
Matter Phase	Liquic	ł			
Energy					
Buy					
Sell					
Project Fuel Type Crude Oil					
		Plant Standard C	Contacts		
	act Name/E-mail	Telephone/On-site		LinkedIn ID	
Functional/Actual Title Cont		•			
Functional/Actual Title Conta Plant Manager Paul	Beacham	[Phn.] +1 855 979	2012 May-202		
Plant Manager Paul		[Phn.] +1 855 979 .com (!) No	2012 May-2023		
	beacham@wpxenergy	· ·			

5,000,000 USD Construction - Merit Shop (C1 - 36)

5,000,000 USD Completion/Start-Up (C1 - 41)

Purchasing Manager	Carolyn Price	[Phn.] +1 855 979 2012	May-2023	
• •		• •	May-2025	
Facilities & Construction	carolyn.price@wpxenergy.com (!)	No		
Leau				
Engineering Manager	Steve Bernhardt	[Phn.] +1 855 979 2012	May-2023	
Petroleum Production		No	steve-bernhardt-21b7a7a3	
Engineer		INU	Steve-bernhaldt-21brara5	
Environmental Manager	Karolina Blaney	[Phn.] +1 970 589 0743	May-2023	
Environmental Specialist		No		
Safety Manager	Karolina Blaney	[Phn.] +1 970 589 0743	May-2023	
Environmental Specialist		No		
Utilities Manager	Paul Beacham	[Phn.] +1 855 979 2012	May-2023	
Sr. Production Foreman	paul.beacham@wpxenergy.com (!) No		
Human Resource Manager	Linda Garhart	[Phn.] +1 855 979 2012	May-2023	
Vice President, Human		NI-		
Resources		No		
		Listeriael Departs		
		Historical Reports		
Project Name		Report Date	TIV	Phase
DELAWARE BASIN GRASS	ROOT CRUDE GATHERING LINE	18-Oct-2017	5,000,000 USD	Preliminary Design (P1 - 07)
DELAWARE BASIN GRASS	ROOT CRUDE GATHERING LINE	06-Feb-2018	5,000,000 USD	Preliminary Design (P1 - 07)

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DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE 13-Feb-2018

DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE 22-Aug-2018

	and an an an and the second second				
apital P	i highlighted in red below	is data that has been added or i	updated in the last re	elease of the project	
	EC Report			1 2	Project ID: 30015823
		MIDLAND GRASSROOT MIDLANE	TO RANCHO SEALY		PEC Activity Diagra
t i		MIDLAND TO RANCHO SEALY PF		CRODE OIL FIF LEINE	Umbrella Project Count
	Undrena Project Name	MIDLAND TO RANCHO SEALT PR	KUJEC I		Unibrena Project Count
U	Jmbrella Project Summary	,			
	Industry Code	03 Oil & Gas Pipelines		Project Type Grassroot	
		575,000,000			
		4612 Crude Petroleum Pipelines		Sector Crude Pipelines	
		•		Sector Crude Pipelines	
		t 4612*0001 Crude Oil Pipelines			
		Complete / Done	Last Update 19-Ap		
	Environmental	I Air (A) Land (L)		ction Labor Preference Unconfirme	ed
			Opera	tions Labor Preference Non-Union	
	Project Capacity	Planned 540,00	00 BBL/d of Crude Oil		
		Pineling	e Installation Details		
	m Tuma			Dinalina Diamatan Uni	t of Magazina
stallatio		Pipeline Length Unit of M		Pipeline Diameter Un	
reenfield	d	416 Miles (mi	i)	24 Inc	hes (in)
	Plant Owner	Enterprise Products Partners LP		Plant Parent Enterprise Products	Partners LP
		Midland Crude Oil Pump Station		Unit Name	
		3116074			
		4500 East Highway 80		Phone +1 432 221 7700	
		Midland, Texas 79706 U.S.A.		Zone/County TX*06, Midland	
	Project Responsibility			Project Contact	
	Project Manager	Enterprise Products Partners LP		Randy Wiggins	
		P O Box 4324		Project Manager	
		Houston, Texas 77210-4324		[Tel.] +1 713 381 650	00
		U.S.A.			
	Project Director	Enterprise Products Partners LP		John Macon	
		P O Box 4324		Project Director	
		Houston, Texas 77210-4324		[Tel.] +1 713 381 650	00
		U.S.A.		[E-Mail] jtmacon@ep	
	Project Executive	Enterprise Products Partners LP		Leonard Mallett	
	FIDJect Executive	•			
		1100 Louisiana Street, Suite 1000		Engineering VP	20
		Houston, Texas 77002		[Tel.] +1 713 381 650	
		U.S.A.		[E-Mail] Imallett@epi	od.com
	G/C	Primoris Services Corporation		Roger Thurman	
		2100 McKinney Avenue Suite 1500)	Regional Manager	
		Dallas, Texas 75201		[Tel.] +1 214 740 560	00
		U.S.A.		[E-Mail] rthurman@p	rim-es.com
	G/C	Holloman Corporation		Eddie Pernell	
		333 North Sam Houston Parkway E	Fast Suite 600	Construction Superir	itendent
		Houston, Texas 77060		[Tel.] +1 281 878 260	
		U.S.A.		[E-Mail] eddiepernell	
	- 1-				enoloniancorp.com
	G/C	Holloman Corporation		Shannon Driver	
		333 North Sam Houston Parkway E	ast Suite 600	Project Manager	
		Houston, Texas 77060		[Tel.] +1 281 878 260	00
		U.S.A.			
	G/C	Pumpco Incorporated		Shawn Pruet	
		P O Box 742		Project Manager	
		Giddings, Texas 78942		[Tel.] +1 979 542 905	54
		U.S.A.			
	PEC® Timing			PEC® Activity Completion/Start-Up	
				Les Activity completion/start-op	
	-	Completed (100%)			
	Project Probability	• • •	ia Enormy Sorvinon Ha	llomon Corneration and Dumpon (D	incline C/Cle) and continu
	Project Probability	Enterprise Products awards Primor			
	Project Probability	Enterprise Products awards Primor Construction for a Grassroot Crude	Oil Pipeline. DETAILS	: As part of the \$760 Million Midland	to Rancho Sealy Project,
	Project Probability	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with 	Oil Pipeline. DETAILS	: As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia	to Rancho Sealy Project, n Basin crude oil (West
	Project Probability	Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia	e Oil Pipeline. DETAILS n (10) integrity meters t ate, Light West Texas	: As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M	to Rancho Sealy Project, n Basin crude oil (West <i>I</i> idland, TX to Enterprise
	Project Probability	Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032).	oll Pipeline. DETAILS n (10) integrity meters t ate, Light West Texas REQUIRES: Site Prepa	: As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise' Pipe, Road Crossings,
	Project Probability	Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032).	Oil Pipeline. DETAILS n (10) integrity meters t ate, Light West Texas REQUIRES: Site Prepa dic Protection, Receivir	5: As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission ng, Coatings, Block/Control Valves, M	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise' Pipe, Road Crossings,
	Project Probability Scope	Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoo Metering and Controls. ENVIRONM	Oil Pipeline. DETAILS n (10) integrity meters t ate, Light West Texas REQUIRES: Site Prepa dic Protection, Receivin /IENTAL: (A) Leak Dete	5: As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission ng, Coatings, Block/Control Valves, M	to Rancho Sealy Project, n Basin crude oil (West <i>I</i> idland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers,
	Project Probability Scope	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoor Metering and Controls. ENVIRONM Enterprise Products with Primoris, He (Jun). Enterprise with Primoris Holls 	Oil Pipeline. DETAILS in (10) integrity meters t ate, Light West Texas I REQUIRES: Site Prepa dic Protection, Receivin IENTAL: (A) Leak Dete Holloman, and Pumpco oman, and Pumpco rel	As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission ng, Coatings, Block/Control Valves, M action; (L) Containment. o continues Final Commissioning and eases remaining Equipment RFQ's a	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid
	Project Probability Scope	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoor Metering and Controls. ENVIRONM Enterprise Products with Primoris, Ha (Jun). Enterprise with Primoris Holl Documents through 2Q17 (May). C 	Oil Pipeline. DETAILS in (10) integrity meters t ate, Light West Texas I REQUIRES: Site Prepa dic Protection, Receivin IENTAL: (A) Leak Dete Holloman, and Pumpco oman, and Pumpco rel	S: As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission ng, Coatings, Block/Control Valves, M action; (L) Containment.	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid
	Project Probability Scope	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoor Metering and Controls. ENVIRONM Enterprise Products with Primoris, He (Jun). Enterprise with Primoris Holls 	Oil Pipeline. DETAILS in (10) integrity meters t ate, Light West Texas I REQUIRES: Site Prepa dic Protection, Receivin IENTAL: (A) Leak Dete Holloman, and Pumpco oman, and Pumpco rel	As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission ng, Coatings, Block/Control Valves, M action; (L) Containment. o continues Final Commissioning and eases remaining Equipment RFQ's a	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid
	Project Probability Scope Schedule	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoor Metering and Controls. ENVIRONM Enterprise Products with Primoris, Ha (Jun). Enterprise with Primoris Holl Documents through 2Q17 (May). C 	Oil Pipeline. DETAILS in (10) integrity meters t ate, Light West Texas I REQUIRES: Site Prepa dic Protection, Receivin IENTAL: (A) Leak Dete Holloman, and Pumpco oman, and Pumpco rel	As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission ng, Coatings, Block/Control Valves, M action; (L) Containment. o continues Final Commissioning and eases remaining Equipment RFQ's a ed 2Q17 (Apr). Scheduled Full-Service	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid ce Operation and Project
Proj	Project Probability Scope Schedule	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). If Automated Control System, Cathoor Metering and Controls. ENVIRONN Enterprise Products with Primoris, H (Jun). Enterprise with Primoris Holld Documents through 2Q17 (May). C Completion 2Q18 (Jun). 	Coll Pipeline. DETAILS of (10) integrity meters t ate, Light West Texas REQUIRES: Site Prepa dic Protection, Receivir MENTAL: (A) Leak Deter Holloman, and Pumpco oman, and Pumpco rel construction Commence Sub Bid Doc 20170	As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission og, Coatings, Block/Control Valves, M ection; (L) Containment. o continues Final Commissioning and eases remaining Equipment RFQ's a ed 2Q17 (Apr). Scheduled Full-Servic Completion 16-Apr-2018	to Rancho Sealy Project, n Basin crude oil (West <i>I</i> idland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid ce Operation and Project Precision QUARTER
-	Project Probability Scope Schedule ject Milestones	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoor Metering and Controls. ENVIRONN Enterprise Products with Primoris, I (Jun). Enterprise with Primoris Hollo Documents through 2Q17 (May). C Completion 2Q18 (Jun). 	Oil Pipeline. DETAILS in (10) integrity meters t ate, Light West Texas I REQUIRES: Site Prepa dic Protection, Receivin IENTAL: (A) Leak Dete Holloman, and Pumpco oman, and Pumpco rel construction Commence	As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission og, Coatings, Block/Control Valves, M ection; (L) Containment. o continues Final Commissioning and eases remaining Equipment RFQ's a ed 2Q17 (Apr). Scheduled Full-Servic Completion 16-Apr-2018	to Rancho Sealy Project, n Basin crude oil (West Aidland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid ce Operation and Project
E	Project Probability Scope Schedule ject Milestones Long-Le Engineering	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). I Automated Control System, Cathoo Metering and Controls. ENVIRONN Enterprise Products with Primoris Holle Documents through 2Q17 (May). C Completion 2Q18 (Jun). AFE 201704 Equip RFQ 201705 	Coll Pipeline. DETAILS of (10) integrity meters t ate, Light West Texas REQUIRES: Site Prepa dic Protection, Receivir MENTAL: (A) Leak Deter Holloman, and Pumpco oman, and Pumpco rel construction Commence Sub Bid Doc 20170 Kick-Off 20170	 As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from Maration, Trenching, 24" Transmission ig, Coatings, Block/Control Valves, Mection; (L) Containment. b continues Final Commissioning and eases remaining Equipment RFQ's a ed 2Q17 (Apr). Scheduled Full-Servic Completion 16-Apr-2018 Kickoff Slippage 8 Months 	to Rancho Sealy Project, n Basin crude oil (West <i>I</i> idland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid ce Operation and Project Precision QUARTER
E	Project Probability Scope Schedule ject Milestones	 Enterprise Products awards Primor Construction for a Grassroot Crude construct 416 miles of 24" pipe with Texas Sour, West Texas Intermedia Sealy Station (Plant ID: 3014032). If Automated Control System, Cathoor Metering and Controls. ENVIRONN Enterprise Products with Primoris, H (Jun). Enterprise with Primoris Holld Documents through 2Q17 (May). C Completion 2Q18 (Jun). 	Coll Pipeline. DETAILS of (10) integrity meters t ate, Light West Texas REQUIRES: Site Prepa dic Protection, Receivir MENTAL: (A) Leak Deter Holloman, and Pumpco oman, and Pumpco rel construction Commence Sub Bid Doc 20170 Kick-Off 20170	As part of the \$760 Million Midland o transport 450,000 BBL/d of Permia Intermediate) and condensate from M aration, Trenching, 24" Transmission og, Coatings, Block/Control Valves, M ection; (L) Containment. o continues Final Commissioning and eases remaining Equipment RFQ's a ed 2Q17 (Apr). Scheduled Full-Servic Completion 16-Apr-2018	to Rancho Sealy Project, n Basin crude oil (West <i>I</i> idland, TX to Enterprise's Pipe, Road Crossings, ICC Mods, Condensers, I Ramp Up through 2Q18 and Subcontractor Bid ce Operation and Project Precision QUARTER

	entation Electrical	Mechanical		NDE
Piping/F	0	Environmental Utilities	Valves	
Commu	inications			Transportation
Matter Phase	Liquid			
Energy				
Buy Elect	tricity			
Sell				
		Plant Standard Co	ontacts	
Functional/Actual Title (Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID	
Plant Manager		[Phn.] +1 432 250 1173	Feb-2023	
	ramorris@eprod.com	No		
Maintenance Manager	Rex Morsey	[Phn.] +1 432 681 2600 x3	Feb-2023	
Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-04566756	
Purchasing Manager	Rex Morsey	[Phn.] +1 432 681 2600 x3	Feb-2023	
Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-04566756	
Engineering Manager		[Phn.] +1 432 681 2600 x3	Feb-2023	
Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-04566756	
Environmental Manager	Christopher Spore	[Phn.] +1 432 221 7746	Feb-2023	
Lead Field Environmental Scientist	cspore@eprod.com	No	christopher-spore-p-g-6	1320b22
Safety Manager	Christopher Spore	[Phn.] +1 432 221 7746	Feb-2023	
Lead Field Environmental Scientist	cspore@eprod.com	No	christopher-spore-p-g-6	1320b22
Utilities Manager		[Phn.] +1 432 681 2600 x3	Feb-2023	
Pipeline Operation Supervisor	rhmorsey@eprod.com	No	rex-morsey-04566756	
Human Resource Manager	Marilyn Hartman	[Phn.] +1 713 381 6500	Feb-2023	
	mhartman@eprod.com	No	marilyn-hartman-349ab	645
		Historical Repo	orts	

nistorical Reports									
Project Name	Report Date	TIV	Phase						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	20-Mar-2014	572,000,000 USD	Economic Evaluation (P1 - 04)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	22-Sep-2014	572,000,000 USD	Economic Evaluation (P1 - 04)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	21-Jan-2015	572,000,000 USD	Economic Evaluation (P1 - 04)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	15-May-2015	575,000,000 USD	Preliminary Design (P1 - 07)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	27-Jul-2015	575,000,000 USD	Preliminary Design (P1 - 07)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	12-Jan-2016	575,000,000 USD	Permitting (P2 - 18)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	06-Apr-2016	575,000,000 USD	Permitting (P2 - 18)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	25-May-2016	575,000,000 USD	Permitting (P2 - 18)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	13-Oct-2016	575,000,000 USD	Owner Review of Issue (P2 - 19)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	10-May-2017	575,000,000 USD	Construction - Merit Shop (C1 - 36)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	23-Jan-2018	575,000,000 USD	Final Commissioning (C1 - 40)						
MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE	19-Apr-2018	575,000,000 USD	Completion/Start-Up (C1 - 41)						
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		EXHIBIL GPLDG-10
Any data highlighted in red be Capital PEC Report	low is data that has been added or updated in the last	release of the project Project ID: 30017640
Project Na	ame MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPEI ame DIAMOND PIPELINE PROJECT	
		pable of transporting up to 200,000 barrels per day of domestic
-	ode 03 Oil & Gas Pipelines	Project Type Grassroot
SICC	SD) 5,000,000 ode 4612 Crude Petroleum Pipelines Juct 4612*0001 Crude Oil Pipelines	Sector Crude Pipelines
Sta	atus Complete / Done Last Update 26-Ja ntal Air (A) Land (L) Water (W) Constr	uction Labor Preference Unconfirmed
Project Capa		ations Labor Preference Unconfirmed
110,000 04,00	Pipeline Installation Details	
Installation Type	Pipeline Length Unit of Measure	Pipeline Diameter Unit of Measure
Greenfield	3 Miles (mi)	20 Inches (in)
Plant Na	vner Plains All American Pipeline LP ame Memphis Crude Oil Metering Station	Plant Parent Plains All American Pipeline LP Unit Name
Loca	it ID 3128471 tion 2385 River Port Road tate Memphis, Tennessee 38109	Phone +1 901 774 3100 Zone/County TN*02, Shelby
-	U.S.A.	• • •
	ility Project Company	Project Contact
Project Mana	ager Plains All American Pipeline LP	Stephen Lee
	333 Clay Road Suite 1600	Project Manager
	Houston, Texas 77002	[Tel.] +1 713 646 4100
	U.S.A.	[E-Mail] slee@paalp.com (!)
Contracts Administr	ator Plains All American Pipeline LP	Ross Stevenson
	333 Clay Street Suite 1600	Manager Construction Services
	Houston, Texas 77002 U.S.A.	[Tel.] +1 713 646 4100 [E-Mail] rmstevenson@paalp.com (!) ; [Linked rossmstevenson
Specification and Reliab	ility Plains All American Pipeline LP	Brad Dooley
	740430 South 3510 Road	Terminal Operator
	Cushing, Oklahoma 740306 U.S.A.	[Tel.] +1 918 225 6473 x6717
Procurement - Purchas	sing Plains All American Pipeline LP	Kevin Howard
	333 Clay Street Suite 1600	Purchasing Manager
	Houston, Texas 77002	[Tel.] +1 713 646 4100
	U.S.A.	[LinkedIn] kevin-howard-c-p-m-b801b133
Planning & Schedu	Ing Plains All American Pipeline LP	David Shurtz
	740430 South 3510 Road Cushing, Oklahoma 74023	District Pipeline Manager [Tel.] +1 918 225 3406
	U.S.A.	[E-Mail] dishurtz@paalp.com (!)
Concul	tant SWCA Envionmental Consultants	Chuck Fontenot
Consu	5745 Essen Lane, Suite 105	Senior Project Manager
	Baton Rouge, Louisiana 70810 U.S.A.	[Tel.] +1 225 663 3830
Contra	ctor Excel Mulching	Dustin Starkey
	2228 SE Loop	Northern Division Superintendent
	Carthage, Texas 75633	[Tel.] +1 903 693 7511
	U.S.A.	[E-Mail] dustin@excelmulching.com (!)
	G/C Strike Construction LLC	Derek Fuller
	831 Crossbridge Drive	Project Manager
	Spring, Texas 77373	[Tel.] +1 281 362 9708
	U.S.A.	[E-Mail] derek.fuller@strikeusa.com
	G/C Pumpco Incorporated	Alan Roberts
	P O Box 742	Construction Manager
	Giddings, Texas 78942	[Tel.] +1 979 542 9054
	U.S.A.	[E-Mail] alan@pumpco.cc
	G/C Energy Services South LLC	James Ozment
	301 N. Industrial Park	Senior Project Manager
	Livingston, Alabama 35470 U.S.A.	[Tel.] +1 205 652 9165
	ning C1	PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Plains All American with J/V Partner Valero awards SWCA Environmental Consultants (Consultant), Excel Mulching (ROW Clearing), Strike Construction, Pumpco, and Energy Services South (Pipe Construction G/C's) and continues Mechanical Completion for a Grassroot Crude Oil Pipeline. DETAILS: As part of the \$800 million Diamond Pipeline project, dig trenches and lay 424 miles of 20" pipeline (roughly 3 miles in TN) to transport 200,000 BBL/d of sweet Permian Basin, Bakken, and Mid-Continent crude oil from Plains' Cushing Terminal (Plant ID 1009085) to Valero's Memphis Refinery (Plant ID 1014166). REQUIRES: Trenching, 20" Diameter Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering Stations, Electrical Utilities, Block/Control Valves, MCC plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment; (W) River Crossings.

Schedule Plains All American with J/V Partner Valero awards SWCA, Excel Mulching, Strike, Pumpco, and Energy Services South and continues Mechanical Completion through 3Q17 (Aug). Pipeline Construction Commenced 4Q16 (Oct). Expected Project Completion 3Q17 (Sep).

Project Milestones		AFE 201606	Sub Bid Doc 201609	Completi	ion 30-Nov-2017	Precision QUARTER	
Project Will	lestones	Equip RFQ 201609	Kick-Off 201610	Kickoff Slippa	ige 17 Months	Duration 14 Months	
Engineering							
Contracting		Electrical	Environmental	Instrumentation	1		
Project Key Needs	Civil/Site						
	Instrumentation	Electrical	Mechanical		NDE		
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves			
	Communication	5			Transportation		
Matter Phas	se	Liquid					
Energ	ЭУ						
Βι	y Electricity						
Se	ell						
Historical Reports							

Project Name	Report Date	TIV	Phase
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	08-Aug-2014	5,000,000 USD	Preliminary Design (P1 - 07)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	13-Jan-2015	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Jun-2015	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	24-Jul-2015	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	10-Sep-2015	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	19-Nov-2015	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	21-Mar-2016	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	31-May-2016	5,000,000 USD	Permitting (P2 - 18)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	23-Jun-2016	5,000,000 USD	Purchasing (E2 - 21)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Jul-2016	5,000,000 USD	Purchasing (E2 - 21)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Sep-2016	5,000,000 USD	Site Preparation (E2 - 26)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	30-Sep-2016	5,000,000 USD	Expediting (E2 - 33)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Mar-2017	5,000,000 USD	Expediting (E2 - 33)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	06-Jul-2017	5,000,000 USD	Mechanical Completion (C1 - 39)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Sep-2017	5,000,000 USD	Mechanical Completion (C1 - 39)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE	30-Oct-2017	5,000,000 USD	Mechanical Completion (C1 - 39)
MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE			Completion/Start-Up (C1 - 41)

Any data highlighted in red below	is data that has been added as undated in the los	Exhibit GPLDC-1b
Any data highlighted in red below Capital PEC Report	is data that has been added or updated in the las	Project ID: 3001762
	GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OI DIAMOND PIPELINE PROJECT	L PIPELINE PEC Activity Diagra Umbrella Project Count
Umbrella Project Summary	The Diamond Pipeline is a 440-mile, 20 inch pipeline ca sweet crude from Cushing, Okla. to Memphis, Tenn.	apable of transporting up to 200,000 barrels per day of domestic
-	03 Oil & Gas Pipelines	Project Type Grassroot
SIC Code	400,000,000 4612 Crude Petroleum Pipelines	Sector Crude Pipelines
Status	t 4612*0001 Crude Oil Pipelines complete / Done Last Update 04-I	• • • • • • • • • • • • • • • • • • •
Environmenta		truction Labor Preference Unconfirmed erations Labor Preference Union, Non-Unior
Project Capacity		
notellation Turne	Pipeline Installation Detail	
nstallation Type Greenfield	Pipeline Length Unit of Measure 260 Miles (mi)	Pipeline Diameter Unit of Measure 20 Inches (in)
	. ,	· ·
Plant Name	r Plains All American Pipeline e Georgetown Crude Oil Pump Station 9 3128411	Plant Parent Plains All American Pipeline LP Unit Name
Location	West of Georgetown Griffithville, Arkansas 72143	Phone +1 918 225 3406 Zone/County AR*01, White
Droject Deen ensibility	U.S.A.	Decide Constant
Project Responsibility Project Manager	r Plains All American Pipeline LP	Project Contact Stephen Lee
r toject manager	333 Clay Road Suite 1600	Project Manager
	Houston, Texas 77002	[Tel.] +1 713 646 4100
	U.S.A.	[E-Mail] slee@paalp.com (!)
Specification and Reliability	Plains All American Pipeline LP	Brad Dooley
-p,	740430 South 3510 Road	Terminal Operator
	Cushing, Oklahoma 740306 U.S.A.	[Tel.] +1 918 225 6473 x6717
Procurement - Purchasing	Plains All American Pipeline LP	Kevin Howard
-	333 Clay Street Suite 1600	Purchasing Manager
	Houston, Texas 77002	[Tel.] +1 713 646 4100
	U.S.A.	[LinkedIn] kevin-howard-c-p-m-b801b133
Contracts Administrator	r Plains All American Pipeline LP	Ross Stevenson
	333 Clay Street Suite 1600	Manager Construction Services
	Houston, Texas 77002	[Tel.] +1 713 646 4100
	U.S.A.	[E-Mail] rmstevenson@paalp.com <mark>(!)</mark> ; [Linkec rossmstevenson
Planning & Scheduling	Plains All American Pipeline LP	David Shurtz
	740430 South 3510 Road	District Pipeline Manager
	Cushing, Oklahoma 74023	[Tel.] +1 918 225 3406
	U.S.A.	[E-Mail] dlshurtz@paalp.com (!)
Consultan	t SWCA Envionmental Consultants	Chuck Fontenot
	5745 Essen Lane, Suite 105	Senior Project Manager
	Baton Rouge, Louisiana 70810 U.S.A.	[Tel.] +1 225 663 3830
Contracta		Ductin Storkov
Contractor	r Excel Mulching 2228 SE Loop	Dustin Starkey Northern Division Superintendent
	Carthage, Texas 75633	[Tel.] +1 903 693 7511
	U.S.A.	[E-Mail] dustin@excelmulching.com (!)
GI	Strike Construction LLC	Derek Fuller
Git	831 Crossbridge Drive	Project Manager
	Spring, Texas 77373	[Tel.] +1 281 362 9708
	U.S.A.	[E-Mail] derek.fuller@strikeusa.com
G/C	Pumpco Incorporated	Alan Roberts
	P O Box 742	Construction Manager
	Giddings, Texas 78942	[Tel.] +1 979 542 9054
	÷ ·	
	U.S.A.	[E-Mail] alan@pumpco.cc
G/C	U.S.A. Chergy Services South LLC	L-Mail] alan@pumpco.cc James Ozment
G/C		
G/C	Energy Services South LLC	James Ozment

	Scope	Clearing), Str Completion for trenches and Bakken, and (Plant ID 101 Launching an ENVIRONME Plains All Am	nerican w rike Cons or a Gras lay 424 Mid-Con 4166). R nd Receiv ENTAL: (nerican w s Mechae	structior ssroot C miles o tinent c EQUIR ving, Mo A) Leak ith J/V nical Co	n, Pumpo rude Oil f 20" pipe rude oil f ES: Trer etering S Detection Partner \ completion	o, and E Pipeline from Pla aching, 2 tations, on; (L) C /alero av n through	Energy Se 2. DETAILS 2. JETAILS 2. JETAILS 3. JETA	rvices South S: As part o miles in AR ng Terminal ter Pipe, Ca Utilities, Blo nt; (W) Rive CA, Excel M ug). Pipelin	n (Pipe Construction f the \$800 million ID) to transport 200,((Plant ID 1009085 thodic Protection, of ck/Control Valves, r Crossings. Mulching, Strike, Pu	n G/C's) ar Diamond Pi 000 BBL/d (5) to Valero Custody Tr MCC plus IMPCo, and	of sweet Permian Basin, 's Memphis Refinery ansfers, Coatings, Pig
Project Milestones			4	AFE 201	606	Sub Bio	Doc 2016	609	Completion 30-N	lov-2017	Precision QUARTER
Project whestones	Long-Lea	ad 201606	Equip F	RFQ 201	609	Kic	k-Off 2016	610 K i	ickoff Slippage 17 N	lonths	Duration 14 Months
Engineering		Electrical						Instrument	ation		
Contracting		Electrical	E	Inviron	mental			Instrument	ation		
Project Key Needs Civil/Si	ite nentation	Electrical	N	/lechan	ical				NDE		
	/Fittings	Insulation/Co				tilities		Valves	NDE		
	unications		samge _						Transportatio	n	
Matter Phase		l	Liquid								
Energy											
Buy Elec	ctricity										
Sell											
					Plant Sta	andard (Contacts				
Functional/Actual Title				•	one/On-			LinkedIn ID)		
Plant Manager		-		[Phn.] -	⊦1 713 6·	46 4411	Jul-2022				
Director of Project Management	rwkoenig	g@paalp.com	(!)	No			rob-koen	ig-9645254a	a		
Maintenance Manager		0		[Phn.] -	⊦1 713 6·	46 4411	Jul-2022				
Director of Project Management	rwkoenig	g@paalp.com	(!)	No			rob-koen	ig-9645254a	a		
Purchasing Manager		-		[Phn.] -	⊦1 713 6 _'	46 4411	Jul-2022				
Director of Project Management	rwkoenig	g@paalp.com	(!)	No			rob-koen	ig-9645254a	a		
Engineering Manager	Rob Koe	enig		[Phn.] -	⊦1 713 6·	46 4411	Jul-2022				
Director of Project Management	rwkoenig	g@paalp.com	(!)	No			rob-koen	ig-9645254a	a		
Environmental Manager	Rob Koe	enig		[Phn.] -	⊦1 713 6 _′	46 4411	Jul-2022				
Director of Project Management	rwkoenic		m	No			rob-koen	iq-9645254a	a		
Management		gepaalp.com	(.)	110				19 00-1020-10			
Safety Manager				[Phn.] -	⊦1 713 6·	46 4411	Jul-2022				
Director of Project Management			(!)	No			rob-koen	ig-9645254a	a		
Utilities Manager				[Phn.] -	1 713 6	46 4411	Jul-2022				
Director of Project Management	rwkoenig	g@paalp.com	(!)	No			rob-koen	ig-9645254a	a		
Human Resource Manager		-		[Phn.] -	+1 713 6	46 4411	Jul-2022				
Director of Project Management	rwkoenig	g@paalp.com	(!)	No			rob-koen	ig-9645254a	a		
					Histo	rical Re	ports				
Project Name					Report	Date			TIV	Phase	
JERUSALEM GRASSROOT		D CRUDE OII	L PIPFI I	NE	08-Aug-						ry Design (P1 - 07)
GRIFFITHVILLE GRASSRO					0				400,000,000 USD		
GRIFFITHVILLE GRASSRO									400,000,000 USD		,
GRIFFITHVILLE GRASSRO									400,000,000 USD		
GRIFFITHVILLE GRASSRO									400,000,000 USD		,
GRIFFITHVILLE GRASSRO	OT DIAM	OND CRUDE	OIL PIPI	ELINE	19-Nov-	2015			400,000,000 USD	Permitting	g (P2 - 18)
GRIFFITHVILLE GRASSRO	OT DIAM	OND CRUDE	OIL PIPI	ELINE	21-Mar-2	2016			400,000,000 USD	Permitting	g (P2 - 18)
GRIFFITHVILLE GRASSRO	OT DIAM	OND CRUDE	OIL PIPI	ELINE	31-May-	2016			400,000,000 USD	Permitting	g (P2 - 18)
GRIFFITHVILLE GRASSRO		OND CRUDE	OIL PIPI	ELINE	23-Jun-2	2016			400,000,000 USD	Purchasir	ng (E2 - 21)
GRIFFITHVILLE GRASSRO		OND CRUDE	OIL PIPI	ELINE	15-Jul-2	016			400,000,000 USD		
GRIFFITHVILLE GRASSRO									400,000,000 USD		
			0.2111		. Cop-	_010				ener iep	

GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	30-Sep-2016	400,000,000 USD	Expediting (E2 - 33)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Mar-2017	400,000,000 USD	Construction - Merit Shop (C1 - 36)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	06-Jul-2017	400,000,000 USD	Mechanical Completion (C1 - 39)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Sep-2017	400,000,000 USD	Mechanical Completion (C1 - 39)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	12-Oct-2017	400,000,000 USD	Mechanical Completion (C1 - 39)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	04-Dec-2017	400,000,000 USD	Completion/Start-Up (C1 - 41)
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Any data highlighted in red be	ow is data that has been added or update	d in the last release of the project
Capital PEC Report		Project ID: 30017626
-	me CUSHING GRASSROOT DIAMOND CRU me DIAMOND PIPELINE PROJECT	DE OIL PIPELINE PEC Activity Diagra Umbrella Project Count
Umbrella Project Summ	ary The Diamond Pipeline is a 440-mile, 20 ind sweet crude from Cushing, Okla. to Mempl	h pipeline capable of transporting up to 200,000 barrels per day of domestic nis. Tenn.
-	ode 03 Oil & Gas Pipelines SD) 250,000,000	Project Type Grassroot
SIC C	ode 4612 Crude Petroleum Pipelines uct 4612*0001 Crude Oil Pipelines	Sector Crude Pipelines
	tus Complete / Done Last ntal Air (A) Land (L) Water (W)	Update 04-Dec-2017 Initial Release 08-Aug-2014 Construction Labor Preference Unconfirmed Operations Labor Preference Union, Non-Unior
Project Capa	city Planned 200,000 BBL/	•
	Pipeline Instal	lation Details
Installation Type	Pipeline Length Unit of Measure	Pipeline Diameter Unit of Measure
Greenfield	160 Miles (mi)	20 Inches (in)
Plant Na	ner Plains All American Pipeline me Cushing Crude Oil Pump Station t ID 3128398	Plant Parent Plains All American Pipeline LP Unit Name
	ion 740430 South 3510 Road	Phone +1 918 225 6717
City/St	ate Cushing, Oklahoma 74023 U.S.A.	Zone/County OK*01, Payne
	lity Project Company	Project Contact
Project Mana	ger Plains All American Pipeline LP	Stephen Lee
	333 Clay Road Suite 1600	Project Manager
	Houston, Texas 77002 U.S.A.	[Tel.] +1 713 646 4100 [E-Mail] slee@paalp.com (!)
Contracts Administr		Ross Stevenson
Contracts Administra	tor Plains All American Pipeline LP 333 Clay Street Suite 1600	Manager Construction Services
	Houston, Texas 77002	[Tel.] +1 713 646 4100
	U.S.A.	[E-Mail] rmstevenson@paalp.com (!) ; [Linked rossmstevenson
Procurement - Purchas	ing Plains All American Pipeline LP	Kevin Howard
	333 Clay Street Suite 1600	Purchasing Manager
	Houston, Texas 77002 U.S.A.	[Tel.] +1 713 646 4100 [Linkadin] kavin baward a n m h801h122
Specification and Polish	lity Plains All American Pipeline LP	[LinkedIn] kevin-howard-c-p-m-b801b133 Brad Dooley
Specification and Kellab	740430 South 3510 Road	Terminal Operator
	Cushing, Oklahoma 740306 U.S.A.	[Tel.] +1 918 225 6473 x6717
Planning & Schedul	ing Plains All American Pipeline LP	David Shurtz
	740430 South 3510 Road	District Pipeline Manager
	Cushing, Oklahoma 74023	[Tel.] +1 918 225 3406
0	U.S.A.	[E-Mail] dlshurtz@paalp.com (!)
Consum	ant SWCA Envionmental Consultants 5745 Essen Lane, Suite 105	Chuck Fontenot Senior Project Manager
	Baton Rouge, Louisiana 70810	[Tel.] +1 225 663 3830
	U.S.A.	
Contrac	tor Excel Mulching	Dustin Starkey
	2228 SE Loop	Northern Division Superintendent
	Carthage, Texas 75633	[Tel.] +1 903 693 7511
	U.S.A.	[E-Mail] dustin@excelmulching.com (!)
	G/C Strike Construction LLC	Derek Fuller
	831 Crossbridge Drive	Project Manager
	Spring, Texas 77373 U.S.A.	[Tel.] +1 281 362 9708 [E-Mail] derek.fuller@strikeusa.com
	G/C Pumpco Incorporated	Alan Roberts
	P O Box 742	Construction Manager
	Giddings, Texas 78942	[Tel.] +1 979 542 9054
	U.S.A.	[E-Mail] alan@pumpco.cc
	G/C Energy Services South LLC	James Ozment
	301 N. Industrial Park	Senior Project Manager
	Livingston, Alabama 35470	[Tel.] +1 205 652 9165
	U.S.A.	
PEC® Tim	ing C1 lity Completed (100%)	PEC® Activity Completion/Start-Up

s	Clearing), Strike Cons Completion for a Gras trenches and lay 424 Bakken, and Mid-Con (Plant ID 1014166). R Launching and Receiv ENVIRONMENTAL: (Schedule Plains All American w and continues Mecha Project Completion 40	struction, Pumpco, and Energy S ssroot Crude Oil Pipeline. DETA miles of 20" pipeline (roughly 16 tinent crude oil from Plains' Cus EQUIRES: Trenching, 20" Diam ving, Metering Stations, Electric: A) Leak Detection; (L) Containm ith J/V Partner Valero awards S nical Completion through 3Q17 Q17 (Oct).	ervices South (Pipe Constructio LS: As part of the \$800 million I 0 miles in OK) to transport 200,(hing Terminal (Plant ID 1009088 eter Pipe, Cathodic Protection, (al Utilities, Block/Control Valves, ent; (W) River Crossings. WCA, Excel Mulching, Strike, Pu (Aug). Pipeline Construction Cor	000 BBL/d of sweet Permian Basin, 5) to Valero's Memphis Refinery Custody Transfers, Coatings, Pig MCC plus Controls. Impco, and Energy Services South nmenced 4Q16 (Oct). Expected
Project Milestones		AFE 201606 Sub Bid Doc 20	•	
	• • • •	Kick-Off 20		Ionths Duration 14 Months
Engineering	Electrical	'n viron montol	Instrumentation	
Contracting Project Key Needs Civil/Si		nvironmental Control Room	Instrumentation	
		Aechanical	NDE	
		invironmental Utilities	Valves	
Comm	unications		Transportatio	on
Matter Phase	Liquid			
Energy				
Buy Elec	ctricity			
Sell				
		Plant Standard Contact	S	
Functional/Actual Title		Telephone/On-site	QC Date/LinkedIn ID	
-	Douglas Fulkerson	[Phn.] +1 918 225 6717	Feb-2023	
Terminal Manager		No	douglas-fulkerson-98562a19	
Maintenance Manager	Kevin Cearley kcearley@paalp.com (!)	[Phn.] +1 918 225 6473 No	Feb-2023	
Purchasing Manager	Douglas Fulkerson	[Phn.] +1 918 225 6717	Feb-2023	
Terminal Manager	-	No	douglas-fulkerson-98562a19	
Engineering Manager	Douglas Fulkerson	[Phn.] +1 918 225 6717	Feb-2023	
Terminal Manager	•	No	douglas-fulkerson-98562a19	
Environmental Manager	Kevin Cunningham	[Phn.] +1 713 646 4100	Feb-2023	
	kcunningham@paalp.com (!)	No	kevin-cunningham-87880712	
Safety Manager	Kevin Cunningham	[Phn.] +1 713 646 4100	Feb-2023	
	kcunningham@paalp.com (!)	No	kevin-cunningham-87880712	
Utilities Manager		[Phn.] +1 918 225 6473	Feb-2023	
•	kcearley@paalp.com (!)	No		
Human Resource Manager	Diana Enriquez	[Phn.] +1 713 646 4100 x3516	6 Feb-2023	
			diana-enriquez-87812613	
		Historical Reports		
Project Name			TN	Phase
		Report Date		
	AMOND CRUDE OIL PIPELINE			Preliminary Design (P1 - 07)
CUSHING GRASSROOT DI	AMOND CRUDE OIL PIPELINE	14-Jan-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DI	AMOND CRUDE OIL PIPELINE	15-Jun-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DI	AMOND CRUDE OIL PIPELINE	27-Jul-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DI	AMOND CRUDE OIL PIPELINE	10-Sep-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DI	AMOND CRUDE OIL PIPELINE	19-Nov-2015		Permitting (P2 - 18)

CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	08-Aug-2014	250,000,000 USD	Preliminary Design (P1 - 07)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Jan-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Jun-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	27-Jul-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	10-Sep-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	19-Nov-2015	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	21-Mar-2016	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	31-May-2016	250,000,000 USD	Permitting (P2 - 18)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	23-Jun-2016	250,000,000 USD	Purchasing (E2 - 21)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Jul-2016	250,000,000 USD	Purchasing (E2 - 21)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Sep-2016	250,000,000 USD	Site Preparation (E2 - 26)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	30-Sep-2016	250,000,000 USD	Expediting (E2 - 33)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Mar-2017	250,000,000 USD	Construction - Merit Shop (C1 - 36)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	06-Jul-2017	250,000,000 USD	Mechanical Completion (C1 - 39)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Sep-2017	250,000,000 USD	Mechanical Completion (C1 - 39)
CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE	12-Oct-2017	250,000,000 USD	Mechanical Completion (C1 - 39)

CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE 04-Dec-2017

*Any data highlighted in red below	is data that has been added or up	pdated in the last re	lease of the p	roject	
Capital PEC Report				Pro	oject ID: 300206907
	COYANOSA WAHA TO PRESIDIO (03 Oil & Gas Pipelines	(TRANS-PECOS) G-R	NATURAL GA		PEC Activity Diagram
TIV (USD)	550,000,000				577
SIC Code	4922 Natural Gas Transmission		Sector N	Natural Gas Pipelines	
SIC Product	4922*0004 Natural Gas Pipelines				
Status	Complete / Done	Last Update 27-Mar	-2017 Initia	al Release 27-Feb-2015	<u>u</u>
Environmental	Air (A) Land (L)	Construc	ction Labor Pre	ference Unconfirmed	
		Operat	ions Labor Pre	ference Non-Union	
Project Capacity	Planned 1,350 M	MSCFD of Natural G	as, Gaseous (M	ethane)	
	Pipeline	Installation Details			
Installation Type	Pipeline Length Unit of Me	easure	Pip	beline Diameter Unit of M	easure
Greenfield	143 Miles (mi)			42 Inches (ir	ו)
Plant Owner	Oasis Pipeline Company Texas		Plant Parent	Energy Transfer LP	
	LP				
Plant Name	Waha Natural Gas Compressor		Unit Name		
	Station				
	1073966		Dhama	1 422 242 2220	
Location	3 M North of Coyanosa on FM 1776,4906 El Paso Road		Phone +	+1 432 343 2220	
City/State	Coyanosa, Texas 79730 U.S.A.		Zone/County 7	TX*06, Pecos	
Project Responsibility	•		-	Project Contact	
	Energy Transfer Partners LP			Richard 'Rick' Smith	
	800 East Sontera Boulevard Suite 40	00		Engineering Director	
	San Antonio, Texas 78258			Tel.] +1 210 403 7300	
	U.S.A.		-	E-Mail] richard.smith@ene	rgytransfer.com
Project Manager	Energy Transfer Partners LP		E	Bill Cochran	
, ,	800 East Sontera Boulevard Suite 40	00	F	Project Manager	
	San Antonio, Texas 78258			Tel.] +1 210 403 7300	
	U.S.A.				
С/М	MasTec Incorporated		[David Shujman	
	800 South Douglas Road 12th Floor		(Construction Coordinator	
	Coral Gables, Florida 33134		[Tel.] +1 305 599 1800	
	U.S.A.		[E-Mail] david.shujman@m	astec.com
G/C	Pumpco Incorporated		S	Shawn Pruet	
	P O Box 742		F	Project Manager	
	Giddings, Texas 78942		[Tel.] +1 979 542 9054	
	U.S.A.				
PEC® Timing		F	PEC® Activity	Completion/Start-Up	
Project Probability					
Scope	Energy Transfer awards MasTec Inc Construction a Grassroot Natural Ga				
	transmission pipeline to transport up				
	Mexico/United States border near Pro				
	Cathodic Protection, Coatings, MCC	Mods, Custody Trans	fers, Pig Launch	hers & Receivers, Block/Co	
	Metering, Electrical Utilities plus Con		()	, ()	
Schedule	Energy Transfer in conjunction with N to release remaining Equipment RFC				
	Construction Commenced 1Q16 (Jar		•	· · · ·	,
	AFE 201601	Sub Bid Doc 201611	. ,	npletion 21-Mar-2017	Precision DAY
Project Milestones	ad 201506 Equip RFQ 201601	Kick-Off 201601		Slippage -4 Months	Duration 15 Months
Engineering			strumentation		
Contracting	Electrical Environmental F		strumentation N	lechanical	
Project Key Needs Civil/Site		Control Room		leat Transfer	
Instrumentation		HVAC		IDE	
Piping/Fittings	Insulation/Coatings Environmental L	Utilities Va		Pumps	
Communications			Т	ransportation	
	Material Handling				
Matter Phase Gas					
Energy					
Buy Electricity					
Sell					
Project Fuel Type Natural Gas					
	Plant St	tandard Contacts			
Functional/Actual Title Contact	Name/E-mail Telephor	ne/On-site QC Da	ate/LinkedIn ID		
Plant Manager Gilbert S	ingh [Phn.] +1	210 403 7300 Mar-2	023		

	gilbert.singh@energytransfer.com	No			
Maintenance Manager	Adam Acosta	[Phn.] +1 432 343 2240	Mar-2023		
	adam.acosta@energytransfer.com	No			
Purchasing Manager	Gilbert Singh	[Phn.] +1 432 290 2722	Mar-2023		
Plant Manager	gilbert.singh@energytransfer.com	No			
Engineering Manager	Juan Sarabia	[Phn.] +1 432 425 8489	Mar-2023		
Head Mechanic	juan.sarabia@energytransfer.com	No			
Environmental Manager	Larry Campbell	[Phn.] +1 575 625 8022	Mar-2023		
	larry.campbell@energytransfer.com	No	larry-larry-cam	pbell-5427192b	
Safety Manager	Clint Cowan	[Phn.] +1 214 981 0700	Mar-2023		
	clint.cowan@energytransfer.com	No			
Utilities Manager	Adam Acosta	[Phn.] +1 432 343 2240	Mar-2023		
	adam.acosta@energytransfer.com	No			
Human Resource Manager	Erica Brandt	[Phn.] +1 210 403 7300	Mar-2023		
	erica.brandt@energytransfer.com	No	erica-brandt-1	ba85937	
		Historical Reports	;		
Project Name		Re	port Date	τιν	Phase

Project Name	Report Date	TIV	Phase
COYANOOSA WAHA TO PRESIDIO GRASSROOT NATURAL GAS PIPELINE	27-Feb-2015	220,000,000 USD	Preliminary Design (P1 - 07)
COYANOOSA WAHA TO PRESIDIO GRASSROOT NATURAL GAS PIPELINE	24-Jun-2015	220,000,000 USD	Permitting (P2 - 18)
COYANOOSA WAHA TO PRESIDIO GRASSROOT NATURAL GAS PIPELINE	30-Jul-2015	550,000,000 USD	Permitting (P2 - 18)
COYANOSA WAHA TO PRESIDIO (TRANS-PECOS) G-R NATURAL GAS PIPELINE	15-Jan-2016	550,000,000 USD	Construction - Merit Shop (C1 - 36)
COYANOSA WAHA TO PRESIDIO (TRANS-PECOS) G-R NATURAL GAS PIPELINE	16-Jan-2017	550,000,000 USD	Construction - Merit Shop (C1 - 36)
COYANOSA WAHA TO PRESIDIO (TRANS-PECOS) G-R NATURAL GAS PIPELINE	27-Mar-2017	550,000,000 USD	Completion/Start-Up (C1 - 41)
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Capital PEC Report	is data that has been added or updated	I in the last release		oject ID: 300309208
				-
	FORT STOCKTON COMANCHE TRAIL GR 03 Oil & Gas Pipelines		t Type Grassroot	PEC Activity Diagran
TIV (USD)	275,000,000			
SIC Code	4922 Natural Gas Transmission	:	Sector Natural Gas Pipelines	
	4922*0004 Natural Gas Pipelines			
	Complete / Done Last U Air (A) Land (L)	pdate 01-Feb-2017	Initial Release 12-Oct-2016 abor Preference Unconfirmed	<u>B</u>
		Operations La	abor Preference Non-Union	
Project Capacity	Planned 1,100 MMSCF	D of Natural Gas, Gas	eous (Methane)	
	Pipeline Installa	ation Details		
Installation Type	Pipeline Length Unit of Measure		Pipeline Diameter Unit of N	leasure
Greenfield	195 Miles (mi)		42 Inches (i	n)
Plant Owner	Energy Transfer Partners LP	Plant	Parent Energy Transfer LP	
	Gulf Gomez JF Hoover Natural Gas Compressor Station		Name	
Plant ID	3045809			
Location	48 North Valero Plant Road,Off		Phone +1 979 279 2462	
City/State	of Binion Lane Fort Stockton, Texas 79735	Zone/(County TX*06, Pecos	
ony/otate	U.S.A.	20116/0		
Project Responsibility	Project Company		Project Contact	
Project Manager	Energy Transfer Fuel LP		John Bilhartz	
	800 E Sonterra Blvd #400		Project Manager	
	San Antonio, Texas 78258		[Tel.] +1 210 403 7300	
	U.S.A.		[E-Mail] john.bilhartz@ene	rgytransfer.com
Compliance	Energy Transfer Operating LP		Kelly Allen	
	1300 Main Street		Permit Engineer	
	Houston, Texas 77002 U.S.A.		[Tel.] +1 713 989 7000 [E-Mail] kelly.allen@energ	/transfer.com
Consultant	GAI Consultants		Larry Gremminger	
Consultant	2545 Spring Arbor Road #100		VP of Operations	
	Jackson, Michigan 49203		[Tel.] +1 517 513 8190	
	U.S.A.		[E-Mail] larry@gremminger	.com
G/C	Pumpco Incorporated		Shawn Pruet	
	P O Box 742		Project Manager	
	Giddings, Texas 78942		[Tel.] +1 979 542 9054	
	U.S.A.			
PEC® Timing		PEC® A	ctivity Completion/Start-Up	
Project Probability			of the Pipeline) awarded Pumpco	
Scope	Comanche Trail (with Energy Transfer - Cor	nstructor and Operator		(G/C) and proceeds
Scope	Comanche Trail (with Energy Transfer - Cor with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pipe Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment.	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching, _aunching &
	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbé Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig J Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes)	install 195 miles of 42 jutside Fort Stockton, Miles) Counties and Trenching, _aunching & IENTAL: (A) Leak
Schedule	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbé Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig J Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes)	install 195 miles of 42 jutside Fort Stockton, Miles) Counties and Trenching, _aunching & IENTAL: (A) Leak
Schedule Proiect Milestones	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pipe Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig J Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan).	install 195 miles of 42 Jutside Fort Stockton, Miles) Counties and Trenching, _aunching & IENTAL: (A) Leak Field Supervision and
Schedule Proiect Milestones	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pipe Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 H	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611	Comanche Trail Pipeline Project, gas originating at the Waha Hub o erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017	install 195 miles of 42 outside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 H Environmental	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 H Environmental Control F	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching & Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 H Environmental Control F Electrical Mechanical HVAC	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching & Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 H Environmental Control F	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching & Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching & Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San E Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 H Environmental Control F Electrical Mechanical HVAC	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communications	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching & Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communications Matter Phase Gas Energy	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching & Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communications Matter Phase Gas	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42 putside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communications Matter Phase Gas Energy Buy Electricity	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42' outside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communications Matter Phase Gas Energy Buy Electricity Sell	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pip Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605 Room Valves	Comanche Trail Pipeline Project, gas originating at the Waha Hub c erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig I Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps	install 195 miles of 42' outside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER
Schedule Project Milestones Long-Le Engineering Contracting Project Key Needs Civil/Site Instrumentation Piping/Fittings Communications Matter Phase Gas Energy Buy Electricity Sell	with Construction on a Grassroot Natural Ga diameter transmission pipeline to deliver up TX crossing through Pecos (0.19 Miles), Re terminating at the US-MX boundary in San B Excavating, 42" Diameter Transmission Pipe Receiving, MCC Mods, Control/Block Valves Detection, (L) Containment. Energy Transfer with Pumpco continues with Inspections. Construction commenced 2Q16 AFE 201605 Sub I ad 201511 Equip RFQ 201605 F Environmental Control F Electrical Mechanical HVAC Insulation/Coatings Environmental Utilities Material Handling	as Pipeline. DETAILS: to 1.1 Bcf/d of natural eves (59 Miles), Culbe Elizario, TX south of E e, Cathodic Protection s, Coatings, Electrical h Construction Activitie 6 (May). Schedule Pro Bid Doc 201611 Kick-Off 201605 Room Valves	Comanche Trail Pipeline Project, gas originating at the Waha Hub o erson (51 Miles) and Hudspeth (65 I Paso, TX (17 Miles). REQUIRES: , Coatings, Custody Transfer, Pig J Utilities plus Controls. ENVIRONM es (Hydro-Testing Mainline Pipes) ject Completion 1Q17 (Jan). Completion 30-Jan-2017 Kickoff Slippage 0 Months Heat Transfer NDE Pumps Transportation	install 195 miles of 42" putside Fort Stockton, Miles) Counties and Trenching, Launching & IENTAL: (A) Leak Field Supervision and Precision QUARTER

	gilbert.singh@energytransfer.com	No			
Maintenance Manager	Gilbert Singh	[Phn.] +1 210 403 7300	Oct-2022		
Plant Manager	gilbert.singh@energytransfer.com	No			
Purchasing Manager	Gilbert Singh	[Phn.] +1 210 403 7300	Oct-2022		
Plant Manager	gilbert.singh@energytransfer.com	No			
Engineering Manager	Gilbert Singh	[Phn.] +1 210 403 7300	Oct-2022		
Plant Manager	gilbert.singh@energytransfer.com	No			
Environmental Manager	Jacob Krautsch	[Phn.] +1 210 403 7300	Oct-2022		
	jacob.krautsch@energytransfer.com	No	jacob-krautsch-43b562167		
Safety Manager	Flint Kemper	[Phn.] +1 214 981 0700	Oct-2022		
	flint.kemper@energytransfer.com	No	flint-kemper-2a715799		
Utilities Manager	Gilbert Singh	[Phn.] +1 210 403 7300	Oct-2022		
Plant Manager	gilbert.singh@energytransfer.com	No			
Human Resource Manager	Erica Brandt	[Phn.] +1 210 403 7300	Oct-2022		
Human Resource Director	erica.brandt@energytransfer.com	No	erica-brandt-1ba85937		
Historical Reports					

Project Name	Report Date	TIV	Phase				
FORT STOCKTON COMANCHE TRAIL GRASSROOT NATURAL GAS PIPELINE	12-Oct-2016	275,000,000 USD	Construction - Merit Shop (C1 - 36)				
FORT STOCKTON COMANCHE TRAIL GRASSROOT NATURAL GAS PIPELINE	13-Jan-2017	275,000,000 USD	Construction - Merit Shop (C1 - 36)				
FORT STOCKTON COMANCHE TRAIL GRASSROOT NATURAL GAS PIPELINE	01-Feb-2017	275,000,000 USD	Completion/Start-Up (C1 - 41)				

				LDC-ID
*Any data highlighted in red below	is data that has been added or upd	ated in the last rele	ase of the project	
Capital PEC Report				Project ID: 300195297
Project Name	MIDLAND GRASSROOT LONE STAR	EXPRESS NGL PIPE		PEC Activity Diagram
Umbrella Project Name				Jmbrella Project Count 2
	LONE STAR NGL		, i i i i i i i i i i i i i i i i i i i	Simprena Project Count 2
Umbrella Project Summary				
Industry Code	03 Oil & Gas Pipelines	P	roject Type Grassroot	
-	1,000,000,000	• •	loject Type Glassioot	
. ,	4922 Natural Gas Transmission		Sector Notural Coo Liquida	12 -
SIC Code	4922 Natural Gas Transmission		Sector Natural Gas Liquids Pipelines	
SIC Product	4022*0040 Notural Coo Liquida Dinalia	-	Fipelilles	and the second s
	4922*0010 Natural Gas Liquids Pipelin			
	•	st Update 12-Dec-20		4
Environmental	Air (A) Land (L)		on Labor Preference Unconfirmed	
		Operation	ns Labor Preference Non-Union	
Project Capacity	Planned 495,000 B	BL/d of Crude Oil		
	Dinalina Inc	tallation Dataila		
	•	stallation Details		
Installation Type	Pipeline Length Unit of Meas	sure	Pipeline Diameter Unit o	of Measure
Greenfield	533 Miles (mi)		30 Inche	s (in)
Plant Owner	Lone Star NGL LLC	D	lant Parent Energy Transfer LP	
		г	Unit Name	
	Midland NGL Pump Station		Unit Name	
	3033229			
	10 Miles South of Midland		Phone +1 210 403 7300	
City/State	Midland, Texas 79705 U.S.A.	Zo	one/County TX*06, Midland	
Project Responsibility	Project Company		Project Contact	
	Energy Transfer Operating LP		Diego Aponte	
	1300 Main Street		Senior Engineer	
	Houston, Texas 77002		[Tel.] +1 713 989 7000	
	U.S.A.		[E-Mail] diego.aponte@	energytransfer.com
				energytransier.com
Project Manager	Energy Transfer Operating LP		Rita Lee	
	1300 Main Street		Project Manager	
	Houston, Texas 77002		[Tel.] +1 713 989 7000	
	U.S.A.			
Project Executive	Energy Transfer Operating LP		Joey Mahmoud	
•	1300 Main Street		Vice President Enginee	ring/Project Director
	Houston, Texas 77002		[Tel.] +1 713 989 7000	
	U.S.A.		[E-Mail] joey.mahmoud	@energytransfer.com
				energytransier.com
Specification and Reliability			Tolley McCormick	
	800 E Sonterra Blvd Suite 400		Engineering Manager	
	San Antonio, Texas 78258		[Tel.] +1 210 403 7300	
	U.S.A.		[LinkedIn] Duplicate Co	ntact
G/C	Pumpco Incorporated		Alan Roberts	
	P O Box 742		Construction Manager	
	Giddings, Texas 78942		[Tel.] +1 979 542 9054	
	U.S.A.		[E-Mail] alan@pumpco.	cc
0.0				
G/C	Strike Construction LLC		Matt Cook	
	831 Crossbridge Drive		Project Manager	
	Spring, Texas 77373		[Tel.] +1 281 362 9708	
	U.S.A.			
G/C	Precision Pipeline LLC		Ryan McKone	
	1119 Regis Court Ste 210		VP of Project Managem	nent
	Eau Claire, Wisconsin 54701		[Tel.] +1 715 874 4510	
	U.S.A.		[E-Mail] rmckone@pred	sisionpipelinellc.com
PEC® Timing		DE	C® Activity Completion/Start-Up	
		PE	Completion/Start-Op	
Project Probability				
Scope	Lone Star NGL LLC (J/V between Ener			
	(G/C Spreads 1-3), Strike Construction Construction for a Grassroot NGL Pipel			
	Express Pipeline, construct 533 miles of			
	multiple launcher/receving sites from th			
	Permian Basin to Bosque County via th			
	Trenching, Site Preparation, 24" and 30			
	Custody Transfers, Metering, Control/B			
	Containment.			, (=)
Schedule	Lone Star NGL with Pumpco, Strike, an	d Precision continues	Construction through 4016 (Dec)	one Star NGL with
uio	selected G/C's releases remaining Equ			
	Construction Commenced 4Q15 (Oct).			
		Sub Bid Doc 201601	Completion 31-Oct-2016	Precision QUARTER
Project Milestones				
	ad 201503 Equip RFQ 201601	Kick-Off 201510	Kickoff Slippage 1 Months	Duration 13 Months
Engineering Civil	Electrical Environmental		Instrumentation Mechanical	

Contracting Civi		Electrical	Enviro	onmental	Instrumentati	on Mechan	ical	General
Project Key Needs Civi	/Site	Structural		Control Room				[G/C]
	rumentation		Mecha			NDE		
Pipi	ng/Fittings	Insulation/Coatings	Enviro	nmental Utilities	Valves			
Con	nmunications					Transpo	ortation	
Matter Phase		Liquid						
Energy								
Buy Elec	stricity							
Sell				lant Standard Contacta				
Functional/Actual Title	Contact Na	me/F-mail		Plant Standard Contacts Telephone/On-site		QC Date/L	inkedIn ID	
Plant Manager				[Phn.] +1 432 561 9505 / [
		ene@energytransfer.	.com	No				
Maintenance Manager	Herbert Gre	ene		[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022		
	herbert.gree	ene@energytransfer.	.com	No	-			
Purchasing Manager	Herbert Gre	ene		[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022		
	herbert.gree	ene@energytransfer.	.com	No				
Engineering Manager	Tolley McCo	ormick		[Phn.] +1 210 403 7300		Nov-2022		
	tolley.mccormick@energytransfer.com		er.com	n No		tolley-mcc	ormick-05543951	
Environmental Manager	Jacob Kraut	tsch		[Phn.] +1 210 403 7300		Nov-2022		
Senior Director Environmental Compliance	jacob.krauts	sch@energytransfer.	com	No		jacob-krau	tsch-43b562167	
Safety Manager	Jacob Kraut	tsch		[Phn.] +1 210 403 7300		Nov-2022		
Senior Director Environmental Compliance	jacob.krauts	ch@energytransfer.	com	No		jacob-krau	tsch-43b562167	
Utilities Manager	Herbert Gre	ene		[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022		
	herbert.gree	ene@energytransfer.	.com	No				
Human Resource Manager				[Phn.] +1 210 403 7300		Nov-2022		
	erica.brandt	@energytransfer.co	m	No		erica-bran	dt-1ba85937	
				Historical Reports				
Project Name			F	Report Date		τιν	Phase	
MIDLAND GRASSROOT NO	L PIPELINE		1	5-Dec-2014	1,000,000	0,000 USD	Preliminary Design (P1 - 0	7)
MIDLAND GRASSROOT NO	L PIPELINE		2	6-Jan-2015	1,000,000	0,000 USD	Detailed Design (P1 - 09)	
MIDLAND GRASSROOT NG			1	5-Sep-2015	1,000,000	0,000 USD	Planning and Scheduling (E2 - 25)
MIDLAND GRASSROOT LO	NE STAR EX	KPRESS NGL PIPEL	INE 1	5-Dec-2015	1,000,000	0,000 USD	Construction - Merit Shop	(C1 - 36)
MIDLAND GRASSROOT LO	NE STAR EX	KPRESS NGL PIPEL	INE 1	2-Dec-2016	1,000,000	0,000 USD	Completion/Start-Up (C1 -	41)

Project Name BASTOW CRASSROOT BARLLA DRAW CRUED CUP PIECURE LATERAL Project Name BASTOW CRASSROOT BARLLA DRAW CRUED CUP PIECURE LATERAL Project Name BASTOW CRASSROOT BARLLA DRAW CRUED CUP PIECURE LATERAL Project Name BASTOW CRUED CURE PIECURE ATTERAL SIZE Code dR2 CLUED PIECURE PIECURE Status Complete Done Status Complete Data Status Complete	apital PEC Report					Project ID: 3001807
Site Code 4912 Cude Perform Pipelines Status Completer Done Environmental Air (A) Land (L) Partition Details Status Completer Once Environmental Air (A) Land (L) Construction Labor Preference Unconfirmed Construction Labor Preference Unconfirmed Partition Measure Partition Status Partition Status Partition Status Partition Status Project Names Status Content Factory Partitions LD Part Owner Hoover Energy Partitions LD Part Data 1970 (L) Part Owner Hoover Energy Partitions LD Part Data 1970 (L) Part Name Barstow Cude OI Purp Station Part Data 1970 (L) Part Name Status Content DP Part Data 1970 (L) Part Name Status Content Content DP Part Data 1970 (L) Part Name Status Content DP Part Data 1970 (L) Part Name Status Content DP Part Data 2000 (L) Part Data 1970 (L) Part Data 19	-					PEC Activity Diagr
Status Complete / Done Environmental Air (A) Lad (L) Last Update 02:-02:130 initial Release (DSR-2014 Construction Labor Preference Unconfirmed Operations Labor Preference Unconfirmed Istaliation Type Antext Extension Pipeline Longth Unit of Measure 20 Miles (m) Pipeline Dameter Unit of Measure Istaliation Type Antext Extension Pipeline Longth Unit of Measure 20 Miles (m) Pipeline Dameter Unit of Measure Plant Owner Houver Energy Partnerss LP Plant Name Barstow Could OI Pump Station Plant 10 3109004 Location 34 FM 3368 Phone +1432 527 3492 CripState Proc. Trans 87 772 U. S.A. Zone/County TX-06, Ward Project Onector Press Distribution Count Project Company Project Onector Press Statis Count Project Manager Press Statis	SIC C	ode 4612 Crude Petrole	•		Sector Crude Pipelines	
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333 Clay Road Suite 1000 Regional Project Manager - West Texas ITel 1+1713 646 4100 Houston, Texas 77002 [E-Mail] mwalcavich@paalp.com (f) With Status [E-Mail] mwalcavich@paalp.com (f) With Status [E-Mail] wastcavich@paalp.com (f) U.S.A. [E-Mail] wastcavich@paalp.com (f) U.S.A. [E-Mail] wastcavich@paalp.com (f) U.S.A. [E-Mail] wastcavich@paalp.com (f) U.S.A. [E-Mail] wastcavich@paalp.com (f) Contracts Administrator Plains All American Pipeline LP 333 Clay Road Suite 1600 Contracts Manager U.S.A. [E-Mail] wastcavich@paalp.com (f) Houston, Texas 77002 [Tel 1+17] 3646 4100 U.S.A. [E-Mail] G/C Pumpco Incorporated Shawn Pruet P O Box 742 [Tel 1+17] 5642 9054 U.S.A. [Tel 1+17] 5642 9054 G/C Venable's Construction Joe Davidson 1800 South Washington Avenue, Suite 315 Project Manager Marcel Project Manager U.S.A. EVECD Timing C1 PEC@ Activity Completed 100%5 Visiter Project Manager U.S.A. Felore Transpor	Project Responsil	oility Project Company			Project Contact	
U.S.A. [E-Mail] mwalcavich@paalp.com (f) Project Manager Plains All American Pipeline LP Kyle Schuler 333 Glay Road Suite 1600 Project Manager - West Texas Hubston, Texas 77002 [E-Mail] Keschuler@paalp.com (f) : [Linkedni] U.S.A. [E-Mail] Keschuler@paalp.com (f) : [Linkedni] Contracts Administrator Plains All American Pipeline LP Ross Stevenson Status Stevenson Contracts Manager Houston, Texas 77002 [E-Mail] mstevenson@paalp.com (f) : [Linkedni] U.S.A. [E-Mail] mstevenson@paalp.com (f) : [Linkedni] Glad CP Pumpoo Incorporated Shawn Pruet P O Box 742 [E-Mail] mstevenson@paalp.com (f) : [Linkedni] Glad CR, Texas 7942 [Tel] + 179 S42 9054 U.S.A. [E-Mail] CV Venable's Construction Jac Bavidson 1600 South Washington Avenue, Suite 315 Project Manager 1600 South Washington Avenue	Project Dire	333 Clay Road Sui	te 1600		Regional Project Mar	•
33 Clay Road Suite 1600 Project Manager - West Texas Houston, Texas 77002 [E-Mail] koschular 68 paalp.com (1); [Linkednin] U.S.A. [E-Mail] koschular 68 paalp.com (1); [Linkednin] Contracts Administrator Plains All American Pipeline LP Ross Stevenson 333 Clay Road Suite 1600 Contracts Manager Houston, Texas 77002 [Tel.] +1 713 646 4100 U.S.A. [E-Mail] mstevenson@paalp.com (1); [Linkednin] G/C Pumpco Incorporated Shawn Pruet P O Box 742 [Tel.] +1 979 542 9054 U.S.A. [E-Mail] G/C Venable's Construction Joe Davidson 1800 South Washington Avenue, Suite 315 Project Manager Project Probability Commissioning for the Grassroot Quite Avenue, Suite 315 Project Probability Completion/Start-Up Project Probability Commissioning for the Grassroot Quite Avenue, Quite Avenue, Route Avenue, Rout						
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33 Clay Road Suite 1600 Contracts Manager Houston, Texas 77002 [Fel.] +1 713 646 4100 U.S.A. [E-Mail] mstevenson @paalp.com (D) : [Linker cossmitevenson GC Pumpco Incorporated PO Box 742 P O Box 742 Project Manager U.S.A. [Tel.] +1 713 646 4100 U.S.A. [Tel.] +1 979 542 9054 U.S.A. [Tel.] +1 979 542 9054 U.S.A. Joe Davidson 1800 South Washington Avenue, Suite 315 Project Manager Amarillo, Texas 79102 [Tel.] +1 806 381 2121 U.S.A. [E-Mail] PEC® Trobability Completion/Start-Up Project Manager [South Washington Avenue, Suite 315 Project Manager [E-Mail] U.S.A. [E-Mail] Pec@ Activity Completion/Start-Up Project Probability Completion/Start-Up Project Manager [South Prosing Completion/Start-Up Project Manager Commissioning for the Grassroot Barilia Draw Crude Oil Prosing a planed gathering system south of Pecos, Tx to Plans Barstow to Wink TX. RECOURES: Stee Peparation Febroix Headers, Durado All American with Pumpco and Venable's Construction continues with Final Commissioning through 3015 (Sep). Frow Hea			002		[E-Mail] kcschuler@p	aalp.com (!); [LinkedIn]
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P O Box 742 Giddings, Texas 78942 [Tel,] +1 979 542 9054 U.S.A. [Tel,] +1 979 542 9054 U.S.A. Job South Washington Avenue, Suite 315 Project Manager Amarillo, Texas 79102 Job Satt Values (Tel,] +1 979 542 9054 U.S.A. [Tel,] +1 979 542 9054 U.S.A. [Tel,] +1 979 542 9054 [Tel,] +1 806 381 2121 U.S.A. [Tel-Mail] PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Plains All American with Pumpco (G/C Phase I) and Venable's Construction (G/C Phase II) continues with Final Commissioning for the Grassroot Barilla Draw Crude Oil form a planed gathering system south of Peccs, Tk to Plains Barstow Pump Station, and a second phase of 28 miles of 16" transmiss Barstow Pump Station, and a second phase of 28 miles of 16" transmiss. Barstow Pump Station, and a second phase of 28 miles of 16" transmiss. ENVIRONMENTAL: (A) Leak Detection; (L) Containment, Liners. ENVIRONMENTAL: (A) Leak Detection; (L) Containment Liners. ENVIRONMENTAL: (A) Leak Detection; (L) Containers with Final Commissioning through 3015 (Sep). Plains All American with Pumpco and Venable's Construction continues with Final Commissioning through 3015 (Sep). Plains All American with Pumpco and Venable's Construction construction Phase I Commenced 1015 (M). Construction Commenced on Phase II 2015 (Apr). Expected Project Completion 3015 (Sep). Plains All American with Pumpco and Venable's Construction releases remaining Equipment RFQ's and Bid Document plus reviews and selects remaining Subontractors as needed 2015 (Jun). Construction Phase I Commenced 1015 (M). Construction Commenced on Phase II 2015 (Apr). Expected Project Completion 3045 (Sep). Project Key Needs Civil/Site Elevire Environmental Instrumentation Mechanical Contracting Environmental Viet Miles Valves Communications Envir			002		[E-Mail] rmstevenson	
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Maintenance Manager	Justin Nicholson	[Phn.] +1 432 527 3492	Aug-2022
Plant Manager	jlnicholson@paalp.com (!)	No	justin-nicholson-32b38521
Purchasing Manager	Kevin Howard	[Phn.] +1 713 646 4100	Aug-2022
Director of Procurement	khoward@paalp.com (!)	No	kevin-howard-c-p-m-b801b133
Engineering Manager	William Crochet	[Phn.] +1 713 646 4100	Aug-2022
Senior Director of Engineering, Capital Projects		No	william-crochet-50a25b146
Environmental Manager	Justin Nicholson	[Phn.] +1 432 527 3492	Aug-2022
	jlnicholson@paalp.com (!)	No	justin-nicholson-32b38521
Safety Manager	Justin Nicholson	[Phn.] +1 432 527 3492	Aug-2022
	jlnicholson@paalp.com (!)	No	justin-nicholson-32b38521
Utilities Manager	Justin Nicholson	[Phn.] +1 432 527 3492	Aug-2022
Plant Manager	jlnicholson@paalp.com (!)	No	justin-nicholson-32b38521
Human Resource Manager	Olivia Battle	[Phn.] +1 713 646 4232	Aug-2022
		No	

Historical Reports					
Project Name	Report Date	TIV	Phase		
BARSTOW GRASSROOT CRUDE OIL PIPELINE LATERAL	10-Sep-2014	25,000,000 USD	Preliminary Design (P1 - 07)		
BARSTOW GRASSROOT CRUDE OIL PIPELINE LATERAL	07-Nov-2014	25,000,000 USD	Preliminary Engineering (E2 - 22)		
BARSTOW GRASSROOT CRUDE OIL PIPELINE LATERAL	06-Feb-2015	25,000,000 USD	Preliminary Engineering (E2 - 22)		
BARSTOW GRASSROOT CRUDE OIL PIPELINE LATERAL	30-Mar-2015	25,000,000 USD	Construction - Union (C1 - 35)		
BARSTOW GRASSROOT CRUDE OIL PIPELINE LATERAL	11-Jun-2015	25,000,000 USD	Construction - Union (C1 - 35)		
BARSTOW GRASSROOT BARILLA DRAW CRUDE OIL PIPELINE LATERAL	05-Aug-2015	25,000,000 USD	Construction - Union (C1 - 35)		
BARSTOW GRASSROOT BARILLA DRAW CRUDE OIL PIPELINE LATERAL	20-Aug-2015	25,000,000 USD	Final Commissioning (C1 - 40)		
BARSTOW GRASSROOT BARILLA DRAW CRUDE OIL PIPELINE LATERAL	02-Oct-2015	25,000,000 USD	Completion/Start-Up (C1 - 41)		
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P O Box 742 Construction Director Giddings, Texas 78942 [Tel.] +1 979 542 9054 U.S.A. [E-Mail] alan@pumpco.cc PEC® Timing C1 Project Probability Completed (100%) Scope Sunoco Logistics awards Rooney Engineering, Pumpco (Spreads 1 and 2 Pipe Construction) and Strike Construction (Spreads 3 and 4 Construction) continues with Final Commissioning on a Crude Oil Pipeline Twinning Expansion. DETAILS: As Phase 2 of 2 of the Permian Express Project, Construct 334 miles of 26"- and 20"-diameter pipeline to follow existing Right-Of-Ways of the West Texas Gulf Pipeline, then the under-construction Permian Express Phase 1 (Proj: 300090557) to transport 200,000 BBL/d of crude oil from Colorado City, Midland, and Garden City in the Permian Basin to Sunoco Logistics' Nederland Terminal. REQUIRES: Trenching, Site Preparation, 20" & 26" Diameter Transmission Pipe, Cathodic Protection, Pig Launching, Coatings, Custody Transfers, Metering, Control/Block Valves plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Sunoco Logistics with Rooney Engineering, Pumpco, and Strike continues with Final Commissioning through 3Q15 (Jul). Sunoco Logistics Inspection and Commissioning Subcontractor Bid Documents 2Q15 (Apr). Construction Commenced	0/0			Alon Data sta	
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U.S.A. [E-Mail] alan@pumpco.cc PEC® Timing C1 PEC® Activity Completion/Start-Up Project Probability Completed (100%) Scope Sunoco Logistics awards Rooney Engineering, Pumpco (Spreads 1 and 2 Pipe Construction) and Strike Construction (Spreads 3 and 4 Construction) continues with Final Commissioning on a Crude Oil Pipeline Twinning Expansion. DETAILS: As Phase 2 of 2 of the Permian Express Project, Construct 334 miles of 26"- and 20"-diameter pipeline to follow existing Right-Of-Ways of the West Texas Gulf Pipeline, then the under-construction Permian Express Phase 1 (Proj: 300090557) to transport 200,000 BBL/d of crude oil from Colorado City, Midland, and Garden City in the Permian Basin to Sunoco Logistics' Nederland Terminal. REQUIRES: Trenching, Site Preparation, 20" & 26" Diameter Transmission Pipe, Cathodic Protection, Pig Launching, Coatings, Custody Transfers, Metering, Control/Block Valves plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment. Schedule Sunoco Logistics with Rooney Engineering, Pumpco, and Strike continues with Final Commissioning through 3Q15 (Jul). Sunoco Logistics Inspection and Commissioning Subcontractor Bid Documents 2Q15 (Apr). Construction Commenced					
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Project Milestones	AFE 2	201310 Sub Bid Doc	201504 Completion 15	5-Jul-2015 Precision WEEK
	Long-Lead 201408 Equip RFQ 2	201504 Kick-Off	201410 Kickoff Slippage 12	2 Months Duration 10 Months
Engineering				
Contracting	Environm	nental		
Project Key Needs			NDE	
	Insulation/Coatings Environm	nental	NDE	
Matter Phase	Liquid	lontai		
Energy	Liquid			
Buy Elec	tricity			
Sell	Shorty			
		Plant Standard Conta	cts	
Functional/Actual Title	Contact Name/E-mail		QC Date/LinkedIn ID	
Plant Manager	Leland Hastings	[Phn.] +1 325 671 8040	May-2023	
Director of Operations	lhastings@sunocologistics.com	No	leland-hastings-2300687a	
Maintenance Manager	Leland Hastings	[Phn.] +1 325 671 8040	May-2023	
Director of Operations	lhastings@sunocologistics.com	No	leland-hastings-2300687a	
Purchasing Manager	Leland Hastings	[Phn.] +1 325 671 8040	May-2023	
Director of Operations	lhastings@sunocologistics.com	No	leland-hastings-2300687a	
Engineering Manager	Levi Christopher	[Phn.] +1 210 403 7300	May-2023	
Project Engineer		No	levi-c	
Environmental Manager	Scott Clements	[Phn.] +1 225 906 9297	May-2023	
	scott.clements@energytransfer.com	No	rsclements	
Safety Manager	Dorothy Rurak	[Phn.] +1 713 989 7000	May-2023	
Senoir Manager - Safety		No		
Utilities Manager	Leland Hastings	[Phn.] +1 325 671 8040	May-2023	
Director of Operations	lhastings@sunocologistics.com	No	leland-hastings-2300687a	
Human Resource Manager	Erica Brandt	[Phn.] +1 210 403 7300	May-2023	
	erica.brandt@energytransfer.com	No	erica-brandt-1ba85937	
		Historical Repor	rts	
Dreiset Neme			Remark Data	TIV Dhase

Project Name	Report Date	TIV	Phase		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	31-Aug-2012	300,000,000 USD	Capital Estimating (P1 - 12)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	28-Jun-2013	300,000,000 USD	Capital Estimating (P1 - 12)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	27-Aug-2013	300,000,000 USD	Detailed Design (P1 - 09)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	10-Oct-2013	300,000,000 USD	Preliminary Engineering (E2 - 22)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	31-Jan-2014	300,000,000 USD	Preliminary Engineering (E2 - 22)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	29-Apr-2014	300,000,000 USD	Detailed Engineering (E2 - 31)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	26-Sep-2014	300,000,000 USD	Detailed Engineering (E2 - 31)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	07-Nov-2014	300,000,000 USD	Construction - Merit Shop (C1 - 36)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	29-Jan-2015	300,000,000 USD	Construction - Merit Shop (C1 - 36)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	22-Jun-2015	300,000,000 USD	Final Commissioning (C1 - 40)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	07-Jul-2015	300,000,000 USD	Final Commissioning (C1 - 40)		
NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING EXPANSION	29-Jul-2015	300,000,000 USD	Completion/Start-Up (C1 - 41)		
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