

*Any data highlighted in red below is data that has been added or updated in the last release of the project



Project Name RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE
Umbrella Project Name MATTERHORN EXPRESS PIPELINE PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Matterhorn Express Pipeline project is a 410 miles of 30,36 and 42" diameter natural gas pipeline that will connect UPTON County to FORT BEND County, Tx. Project is expected to be completed late 2024.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 625,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Active

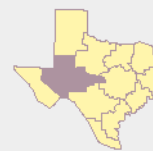
Last Update 05-May-2023

Initial Release 25-Apr-2022

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 250 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	410.80	Miles (mi)	42	Inches (in)

Plant Owner WhiteWater Midstream

Plant Parent WhiteWater Midstream

Plant Name Rankin Natural Gas Compressor Station 2

Unit Name

Plant ID 3331528

Location 9 miles East of Rankin

Phone +1 512 953 2100

City/State Rankin, Texas 79778 U.S.A.

Zone/County TX*06, Upton

Project Responsibility Project Company

Project Contact

Project Director WhiteWater Midstream
 100 Congress Street
 Austin, Texas 78701
 U.S.A.

Caleb Ryan
 Operations Director
 [Tel.] +1 512 953 2105
 [E-Mail] cyan@whitewatermidstream.com ;
 [LinkedIn] caleb-ryan-p-e-39570229

Contracts Administrator WhiteWater Midstream
 100 Congress Street
 Austin, Texas 78701
 U.S.A.

Michael Serish
 Supply Chain Manager
 [Tel.] +1 512 953 2100
 [E-Mail] mserish@whitewatermidstream.com ;
 [LinkedIn] michael-serish-a928063b

Compliance WhiteWater Midstream
 100 Congress Street
 Austin, Texas 78701
 U.S.A.

Shelli Myers
 Permit Engineer
 [Tel.] +1 281 639 5423
 [E-Mail]

G/C Pumpco Incorporated
 1209 South Main Street
 Giddings, Texas 78942
 U.S.A.

Adam Nietsche
 Site Construction Superintendent
 [Tel.] +1 979 542 9054
 [E-Mail] adam.nietsche@pumpco.cc

PEC® Timing C1

PEC® Activity Construction - Merit Shop

Project Probability High (81-99%)

Scope Whitewater Midstream with Matterhorn Express Pipeline (subsidiary) awards Pumpco (G/C) and performs Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the Matterhorn Pipeline Project, install 410.8 Miles of 30", 36" and 42" diameter transmission pipeline to transport up to 2,500 MMSCFD of natural gas originating from Upton County, TX and terminating in Fort Bend County, TX. REQUIRES: Trenching, Excavation, Trenching. Excavating, Pig Launching, 30", 36" and 42" Diameter Transmission Pipe, Flanges, Custody Transfers, SCADA, Metering, Block/Control Valves, Coatings, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Matterhorn with Pumpco continues with Construction Activities (Clearing and Grading) and releases remaining Equipment RFQ's and Bid Documents plus review and select Subcontractors 2Q23 (Apr) through 3Q23 (Jul). Construction Commenced 2Q23 (May). Scheduled Project Completion 3Q24 (Sep).

Project Milestones	AFE 202302	Sub Bid Doc 202307	Completion 15-Sep-2024	Precision QUARTER
Long-Lead 202208	Equip RFQ 202304	Kick-Off 202305	Kickoff Slippage 0 Months	Duration 17 Months

Engineering

Contracting

Project Key Needs

Instrumentation	Electrical	Environmental	Control Room	Instrumentation	Mechanical
Piping/Fittings	Insulation/Coatings	Mechanical	Utilities	Valves	NDE
Communications					Pumps
					Transportation

Matter Phase Gas

Energy

Buy Electricity

Sell

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
-------------------------	---------------------	-------------------	---------------------

Plant Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug-2022
Operations Director	cryan@whitewatermidstream.com	No	caleb-ryan-p-e-39570229
Maintenance Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug-2022
Operations Director	cryan@whitewatermidstream.com	No	caleb-ryan-p-e-39570229
Purchasing Manager	Michael Serish	[Phn.] +1 512 953 2100	Aug-2022
Supply Chain Manager	mserish@whitewatermidstream.com	No	michael-serish-a928063b
Engineering Manager	Glenn Kellison	[Phn.] +1 512 953 2100	Aug-2022
Engineering Director	gkellison@whitewatermidstream.com	No	glenn-kellison-36aba4135
Environmental Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug-2022
Operations Director	cryan@whitewatermidstream.com	No	caleb-ryan-p-e-39570229
Safety Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug-2022
Operations Director	cryan@whitewatermidstream.com	No	caleb-ryan-p-e-39570229
Utilities Manager	Caleb Ryan	[Phn.] +1 512 953 2105	Aug-2022
Operations Director	cryan@whitewatermidstream.com	No	caleb-ryan-p-e-39570229
Human Resource Manager	Zoe Gogonas	[Phn.] +1 512 953 2100	Aug-2022
Human Resource Director		No	zoe-gogonas-phr-89537121

Historical Reports

Project Name	Report Date	TIV	Phase
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	25-Apr-2022	625,000,000 USD	Preliminary Design (P1 - 07)
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	12-Jul-2022	625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	04-Jan-2023	625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	21-Feb-2023	625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	03-Mar-2023	625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	03-May-2023	625,000,000 USD	Permitting (P2 - 18)
RANKIN MATTERHORN GRASSROOT NATURAL GAS PIPELINE	05-May-2023	625,000,000 USD	Construction - Merit Shop (C1 - 36)



Project Name PECOS SANDHILLS GRASSROOT NGL PIPELINE

[PEC Activity Diagram](#)

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 235,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Liquids Pipelines



SIC Product 4922*0010 Natural Gas Liquids Pipeline

Status Complete / Done

Last Update 21-Mar-2023

Initial Release 14-Jan-2011

Environmental Air (A) Land (L)

Construction Labor Preference Non-Union

Operations Labor Preference Non-Union

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	132	Miles (mi)	20	Inches (in)

Plant Owner DCP Midstream LP

Plant Parent DCP Midstream LP

Plant Name Orla Meter Station 02

Unit Name

Plant ID 3490645

Location 243-193 rm 652

Phone +1 620 624 7231

City/State Orla, Texas 79770 U.S.A.

Zone/County TX*06, Reeves

Project Responsibility Project Company

Project Contact

Project Executive DCP Midstream LP
370 17th Street Suite 2500
Denver, Colorado 80202
U.S.A.

Jerry Fenton
Director of Major Pipeline Projects
[Tel.] +1 303 595 3331
[E-Mail] jfenton@dcpmidstream.com (!)

Project Manager DCP Midstream LP
370 17th Street Suite 2500
Denver, Colorado 80202
U.S.A.

Jeff Trujillo
Project Coordinator
[Tel.] +1 303 595 3331

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Alan Roberts
Construction Manager
[Tel.] +1 979 542 9054
[E-Mail] alan@pumpco.cc

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope DCP Midstream awards Pumpco (G/C) and continues with Site Preparation Activities on a Grassroot Natural Gas Liquids Pipeline. DETAILS: As part of the 720 Mile Sandhills Pipeline Project in the Eagle Ford Shale; Install 132 miles of 20" diameter transmission pipeline (Middle Section) to transport up to 200,000 BBL/d of natural gas liquids from the Avalon Shale area in Reeves County, West Texas to traverse through Jackson, Victoria, Goliad, Bee, Live Oak, McMullen and La Salle Counties to Mont Belvieu TX. REQUIRES: Site Preparation, Trenching, 20" Diameter Transmission Pipe, SCADA, Cathodic Protection, Pig Launching & Receiving, Coatings, Block/Control Valves, MCC Mods, Condensers, Metering and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule DCP Midstream continues to finalize Surveys and ROW and with Pumpco is proceeding with Site Preparation Activities on 132 Miles (Clearing & Grading). DCP Midstream releases remaining RFQ's 2Q12 (Jun) and with Pumpco continue to review Subcontractor Bid Packages through 3Q12 (Jul). Construction on the Kick-Off 2Q12 (Jun). First Section Completion 4Q12 (Dec). Full Pipeline Completion and In-Service 2Q13 (Apr).

Project Milestones

AFE 201201

Sub Bid Doc 201204

Completion 15-Apr-2013

Precision MONTH

Equip RFQ 201110

Kick-Off 201206

Kickoff Slippage -2 Months

Duration 11 Months

Engineering

Contracting

Project Key Needs

Civil/Site

Electrical

Environmental

Instrumentation Mechanical

Instrumentation

Electrical

Mechanical

Control Room

Process Equip

Piping/Fittings

Insulation/Coatings Environmental Utilities

Valves

Pumps

Communications

Transportation

Matter Phase Gas

Liquid

Energy

Buy Electricity

Sell

Historical Reports

Project Name	Report Date	TIV	Phase
PECOS SANDHILLS GRASSROOT NATURAL GAS LIQUIDS PIPELINE	14-Jan-2011	950,000,000 USD	Economic Evaluation (P1 - 04)
PECOS SANDHILLS GRASSROOT NGL PIPELINE	06-Jul-2011	950,000,000 USD	Economic Evaluation (P1 - 04)
PECOS SANDHILLS GRASSROOT NGL PIPELINE	14-May-2012	235,000,000 USD	Site Preparation (E2 - 26)
PECOS SANDHILLS GRASSROOT NGL PIPELINE	18-Jan-2013	235,000,000 USD	Construction - Merit Shop (C1 - 36)
PECOS SANDHILLS GRASSROOT NGL PIPELINE	09-May-2013	235,000,000 USD	Completion/Start-Up (C1 - 41)
PECOS SANDHILLS GRASSROOT NGL PIPELINE	21-Mar-2023	235,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name MOULTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE LOOP
Umbrella Project Name PERMIAN HIGHWAY PIPELINE (PHP) EXPANSION

[PEC Activity Diagram](#)

Umbrella Project Count 7

Umbrella Project Summary PHP expansion project will involve primarily compression expansions on PHP to increase natural gas capacity by nearly 650 million cubic feet per day (MMcf/d) from the Waha area to multiple mainline connections in Katy, Texas and various U.S. Gulf Coast markets.

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 55,000,000
SIC Code 4922 Natural Gas Transmission
SIC Product 4922*0004 Natural Gas Pipelines
Status Active
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Natural Gas Pipelines



Last Update 31-Jan-2023 **Initial Release** 31-Jan-2023
Construction Labor Preference Unconfirmed
Operations Labor Preference Non-Union

Project Capacity **Planned** 500 MMSCFD of Natural Gas, Gaseous (Methane)

Plant Owner Permian Highway Pipeline LLC
Plant Name Praha Natural Gas Compressor Station
Plant ID 3453008
Location 1619 FM 1295
City/State Moulton, Texas 77975 U.S.A.

Plant Parent Kinder Morgan Incorporated
Unit Name
Phone +1 713 369 9000
Zone/County TX*05, Lavaca

Project Responsibility Project Company

Project Manager Kinder Morgan Incorporated
 1001 Louisiana Street, Suite 1000
 Houston, Texas 77002-5089
 U.S.A.

Project Contact

Tony Lawrence
 Facilities Engineering Supervisor
 [Tel.] +1 713 369 9000 x29825
 [E-Mail] tony_lawrence@kindermorgan.com

Compliance Kinder Morgan Incorporated
 1001 Louisiana Street
 Houston, Texas 77002
 U.S.A.

Shannon Miller
 Permit Engineer/Regulatory Affairs
 [Tel.] +1 713 420 4038
 [E-Mail] shannon_miller@kindermorgan.com

Consultant Hoover & Keith Incorporated
 11391 Meadowglen Suite D
 Houston, Texas 77082
 U.S.A.

Brian Hellebuyck
 Environmental Project Manager
 [Tel.] +1 281 496 9876

G/C Pumpco Incorporated
 1209 South Main Street
 Giddings, Texas 78942
 U.S.A.

Adam Nietsche
 Site Construction Superintendent
 [Tel.] +1 979 542 9054
 [E-Mail] adam.nietsche@pumpco.cc

PEC® Timing C1

PEC® Activity Construction - Merit Shop

Project Probability High (81-99%)

Scope Permian Highway Pipeline LLP (PHP) (subsidiary of Kinder Morgan Incorporated) awards Hoover & Keith (Environmental Consultants) and Pumpco (G/C) and perform Construction on a Grassroot Natural Gas Pipeline Loop. DETAILS: As part of the PHP Expansion Project from the Permian Basin, install 5 Miles of 36" diameter transmission pipeline to transport up to 500MMSCFD of natural gas between Reeves County and Pecos County, TX. REQUIRES: Trenching, Excavation, Pig Launching, 24" Diameter Transmission Pipe, Flanges, Custody Transfers, Metering, Block/Control Valves, Coatings, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment, EIS.

Schedule PHP in Conjunction with Hoover & Keith and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Bid Documents plus review and select Subcontractors 1Q23 (Jan) through 1Q23 (Mar). Construction Commenced 4Q22 (Dec). Scheduled Project Completion 4Q23 (Dec).

Project Milestones	AFE 202211	Sub Bid Doc 202303	Completion 15-Dec-2023	Precision QUARTER
Long-Lead 202206	Equip RFQ 202301	Kick-Off 202212	Kickoff Slippage 0 Months	Duration 13 Months
Engineering Civil	Electrical	Environmental	Instrumentation Mechanical	General [G/C]
Contracting Civil	Electrical	Environmental	Instrumentation Mechanical	
Project Key Needs Civil/Site		Control Room		
	Instrumentation Electrical	Mechanical	NDE	
	Piping/Fittings Insulation/Coatings	Environmental Utilities	Valves Pumps	
Matter Phase Gas				
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Steve Romano	[Phn.] +1 713 369 9000 x36244	Mar-2023
Vice President of Operations	steven.romano@kindermorgan.com	No	steve-romano-1630372
Maintenance Manager	Steve Romano	[Phn.] +1 713 369 9000 x36244	Mar-2023
Vice President of Operations	steven.romano@kindermorgan.com	No	steve-romano-1630372

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



Project Name COYANOSA PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELINE LOC
Umbrella Project Name PERMIAN HIGHWAY PIPELINE (PHP) EXPANSION

[PEC Activity Diagram](#)

Umbrella Project Count 7

Umbrella Project Summary PHP expansion project will involve primarily compression expansions on PHP to increase natural gas capacity by nearly 650 million cubic feet per day (MMcf/d) from the Waha area to multiple mainline connections in Katy, Texas and various U.S. Gulf Coast markets.

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 35,000,000
SIC Code 4922 Natural Gas Transmission
SIC Product 4922*0004 Natural Gas Pipelines
Status Active
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Natural Gas Pipelines

Last Update 31-Jan-2023 **Initial Release** 31-Jan-2023
Construction Labor Preference Unconfirmed
Operations Labor Preference Non-Union

Project Capacity **Planned** 500 MMSCFD of Natural Gas, Gaseous (Methane)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	5 Miles (mi)		36 Inches (in)	

Plant Owner Permian Highway Pipeline LLC
Plant Name Fort Stockton Coyanosa Natural Gas Compressor Station
Plant ID 3335456
Location 2629 Trailer House Road
City/State Coyanosa, Texas 79730 U.S.A.

Plant Parent Kinder Morgan Incorporated
Unit Name
Phone +1 713 369 9000
Zone/Country TX*06, Pecos

Project Responsibility Project Company

Project Contact

Project Manager Kinder Morgan Incorporated 1001 Louisiana Street, Suite 1000 Houston, Texas 77002-5089 U.S.A.	Project Contact Tony Lawrence Facilities Engineering Supervisor [Tel.] +1 713 369 9000 x29825 [E-Mail] tony_lawrence@kindermorgan.com
Compliance Kinder Morgan Incorporated 1001 Louisiana Street Houston, Texas 77002 U.S.A.	Project Contact Shannon Miller Permit Engineer/Regulatory Affairs [Tel.] +1 713 420 4038 [E-Mail] shannon_miller@kindermorgan.com
Consultant Hoover & Keith Incorporated 11391 Meadowglen Suite D Houston, Texas 77082 U.S.A.	Project Contact Brian Hellebuyck Environmental Project Manager [Tel.] +1 281 496 9876
G/C Pumpco Incorporated 1209 South Main Street Giddings, Texas 78942 U.S.A.	Project Contact Adam Nietsche Site Construction Superintendent [Tel.] +1 979 542 9054 [E-Mail] adam.nietsche@pumpco.cc

PEC® Timing C1 **PEC® Activity** Construction - Merit Shop

Project Probability High (81-99%)

Scope Permian Highway Pipeline LLP (PHP) (subsidiary of Kinder Morgan Incorporated) awards Hoover & Keith (Environmental Consultants) and Pumpco Incorporated (G/C) and proceed with Construction on a Grassroot Natural Gas Pipeline Loop. DETAILS: As part of the PHP Expansion Project from the Permian Basin, install 5 Miles of 36" diameter transmission pipeline to transport up to 500MMSCFD of natural gas between Reeves County and Pecos County, TX. REQUIRES: Trenching, Excavation, Pig Launching, 24" Diameter Transmission Pipe, Flanges, Custody Transfers, Metering, Block/Control Valves, Coatings, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment, EIS.

Schedule PHP in Conjunction with Hoover & Keith and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Bid Documents plus review and select Subcontractors 1Q23 (Jan) through 1Q23 (Mar). Construction Commenced 4Q22 (Dec). Scheduled Project Completion 4Q23 (Dec).

Project Milestones	Long-Lead 202206	Equip RFQ 202301	Sub Bid Doc 202303	Kick-Off 202212	Completion 15-Dec-2023	Precision QUARTER
					Kickoff Slippage 0 Months	Duration 13 Months
Engineering Civil	Electrical	Environmental			Instrumentation Mechanical	General [G/C]
Contracting Civil	Electrical	Environmental			Instrumentation Mechanical	
Project Key Needs Civil/Site			Control Room			
	Instrumentation	Electrical	Mechanical		NDE	
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves	Pumps	
	Communications				Transportation	
Matter Phase Gas						
Energy						
Buy Electricity						
Sell						

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	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



Project Name LAREDO GRASSROOT DOS AGUILAS BORREGO REFINED PRODUCTS PIPE
Umbrella Project Name DOS AGUILAS & HOWARD ENERGY PARTNERS PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 7

Umbrella Project Summary The Dos Águilas project includes four new refined liquids terminals with a total combined capacity of 1.15 million barrels and approximately 287 miles of 12-inch pipeline with 72,000 barrels per day of initial capacity and the capability to expand to up to 90,000 barrels per day. In the United States, the project consists of a new terminal located in Robstown, Texas, near Corpus Christi and a 141 mile pipeline between Robstown and a new terminal in Laredo, Texas. The project also includes 10 miles of pipeline from Laredo to the Rio Grande River and border crossing facilities. In Mexico, the project will consist of 12 miles of pipeline from the Rio Grande River to a new terminal in Nuevo Laredo and 124 miles of pipeline from Nuevo Laredo to a new terminal in Santa Catarina, near Monterrey. The Dos Águilas project is expected to cost approximately \$500 million dollars.

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 15,000,000
SIC Code 4613 Refined Petroleum Pipe Lines
SIC Product 4613*0002 Refined Petroleum Pipelines
Status Complete / Done
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Refined Products Pipelines
Last Update 08-Aug-2022
Initial Release 30-Jun-2016
Construction Labor Preference Unconfirmed
Operations Labor Preference Unconfirmed



Project Capacity Planned 70,000 BBL/d of Refined Products

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	10	Miles (mi)	12	Inches (in)

Plant Owner Howard Midstream Energy Partners LLC
Plant Name Laredo Refined Products Metering Station
Plant ID 3200382
Location Highway 59 East of Larado 22 miles
City/State Laredo, Texas 78040 U.S.A.

Plant Parent Howard Midstream Energy Partners LLC
Unit Name
Phone +1 210 298 2221
Zone/County TX*04, Webb

Project Responsibility Project Company

Project Manager	Project Contact
Howard Midstream Energy Partners LLC 16211 La Cantera Pkwy #202 San Antonio, Texas 78256 U.S.A.	Tyler Mason VP Business Development [Tel.] +1 210 298 2222 [E-Mail] tmason@howardep.com ; [LinkedIn] tyler-mason-b87b6148
Eng Howard Midstream Energy Partners LLC 17806 IH -1- West Suite 210 San Antonio, Texas 78257 U.S.A.	Joshua Smith Director of Operations [Tel.] +1 210 298 2222 [E-Mail] jsmith@howardenergypartners.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Derek Kieschnick 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 Howard Energy Partners applies for Presidential Permit on a Grassroot Refined Products Pipeline. DETAILS: As part of the Dos Águilas pipeline project, Borrego portion, construct 10 miles of 12" pipeline to transport 70,000 - 90,000 BBL/d of refined products from Laredo, Texas to an interconnect at the Rio Grande with the planned Poliducto Pipeline portion of the Dos Águilas Pipeline. REQUIRES: Trenching, 12"-Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, Pig Launching and Receiving, Metering, Electrical Utilities, Block/Control Valves, MCC plus Controls. 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 remaining Equipment RFQ's and Subcontractor Bid Documents 3Q18 (Sep). Expected Construction Kick-Off 4Q18 (Oct). Expected Project Completion 2Q22 (May).

Project Milestones AFE 201809 Sub Bid Doc 201809 Completion 01-Aug-2022 Precision MONTH
 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
Contracting Civil	Electrical	Environmental	Instrumentation	Mechanical
Project Key Needs Civil/Site	Control Room		General [G/C]	
Instrumentation	Electrical	Mechanical	NDE	
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves

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)



Project Name PECOS DOUBLE E NATURAL GAS PIPELINE (TRUNK-LINE 300) ADDITION

[PEC Activity Diagram](#)

Umbrella Project Name DOUBLE E

Umbrella Project Count 5

Umbrella Project Summary The Double E Pipeline will consist of approximately 132.9 miles of varying diameter pipeline. It will originate in the northern Delaware Basin in Eddy County, New Mexico and terminate at the Waha, servicing portions of Eddy and Lea Counties in New Mexico and Loving, Ward, Reeves and Pecos Counties in Texas.

Industry Code 03 Oil & Gas Pipelines

Project Type Pipeline Addition

TIV (USD) 15,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Complete / Done

Last Update 05-May-2022

Initial Release 25-Apr-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Unconfirmed



Project Capacity Planned 1,400 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	1.40	Miles (mi)	42	Inches (in)

Plant Owner Summit Midstream

Plant Parent Summit Midstream Partners LP

Plant Name Pecos Metering Station

Unit Name

Plant ID 3301875

Location County Road 432

Phone +1 214 242 1954

City/State Pecos, Texas 79772 U.S.A.

Zone/County TX*06, Reeves

Project Responsibility Project Company

Project Contact

Project Manager Summit Midstream
2300 Windy Ridge Pkwy #240S
Atlanta, Georgia 30339
U.S.A.

Cameron Bingham
Project Management Director
[Tel.] +1 214 242 1954
[E-Mail] cbingham@summitmidstream.com

Consultant GAI Consultants Incorporated
385 East Waterfront Drive
Homestead, Pennsylvania 15120
U.S.A.

Angela Lundy
Environmental Project Manager
[Tel.] +1 412 476 2000
[E-Mail] a.lundy@gaiconsultants.com

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Derek Kieschnick
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 Summit Midstream Partners awards GAI Consultants (Environmental Consultants) and Pumpco (G/C) and proceed with Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the 133-Mile Double E Pipeline Project in NM & TX, install 1.4 Miles of 42" diameter transmission pipeline (Trunk-Line 300) to transport up to 1.4 Bcf/d of natural gas from the Waha Pigging Facility at the Waha Hub to Pecos, TX. REQUIRES: Trenching, Excavation, 42" Diameter Transmission Pipe, SCADA, Cathodic Protection, Custody Transfers, Coatings, MCC Mods, Pig Launching & Receiving, Block/Control Valves, Metering, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Summit Midstream in Conjunction with GAI and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Packages 3Q21 (Jul) through 4Q21 (Sep). Construction Commenced 3Q21 (Jul). Scheduled Project Completion 4Q21 (Nov).

Project Milestones	AFE 202010	Sub Bid Doc 202109	Completion 17-Nov-2021	Precision QUARTER
	Long-Lead 201912	Equip RFQ 202107	Kick-Off 202107	Kickoff Slippage 15 Months

Engineering

Contracting Electrical Environmental Instrumentation Mechanical

Project Key Needs Civil/Site Control Room

Instrumentation Electrical Mechanical NDE

Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps

Communications Transportation

Matter Phase Gas

Energy

Buy Electricity

Sell

Project Fuel Type Natural Gas

Historical Reports

Project Name	Report Date	TIV	Phase
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	25-Apr-2019	15,000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 300)	21-Oct-2019	15,000,000 USD	Permitting (P2 - 18)
PECOS DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK-LINE 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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Project Name LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL
Umbrella Project Name DOUBLE E

[PEC Activity Diagram](#)

Umbrella Project Count 5

Umbrella Project Summary The Double E Pipeline will consist of approximately 132.9 miles of varying diameter pipeline. It will originate in the northern Delaware Basin in Eddy County, New Mexico and terminate at the Waha, servicing portions of Eddy and Lea Counties in New Mexico and Loving, Ward, Reeves and Pecos Counties in Texas.

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 45,000,000
SIC Code 4922 Natural Gas Transmission **Sector** Natural Gas Pipelines
SIC Product 4922*0004 Natural Gas Pipelines
Status Complete / Done **Last Update** 14-Dec-2021 **Initial Release** 25-Apr-2019
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union
Project Capacity **Planned** 1,400 MMSCFD of Natural Gas, Gaseous (Methane)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	17.30	Miles (mi)	30	Inches (in)

Plant Owner Summit Midstream **Plant Parent** Summit Midstream Partners LP
Plant Name Loving Meter Station **Unit Name**
Plant ID 3303323
Location Mile Post 50 **Phone** +1 214 242 1954
City/State Loving, New Mexico 76460 **Zone/County** NM*02, Eddy
 U.S.A.

Project Responsibility Project Company

Project Contact

Project Manager Summit Midstream
 2300 Windy Ridge Pkwy #240S
 Atlanta, Georgia 30339
 U.S.A.
Project Contact Cameron Bingham
 Project Management Director
 [Tel.] +1 214 242 1954
 [E-Mail] cbingham@summitmidstream.com

Consultant GAI Consultants
 2100 West Loop South, Suite 1400
 Houston, Texas 77027
 U.S.A.
Project Contact Brandon Kish
 Environmental Project Manager
 [Tel.] +1 346 231 7171
 [E-Mail] b.kish@gaiconsultants.com (!)

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.
Project Contact Derek Kieschnick
 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 Summit Midstream Partners awards GAI Consultants (Environmental Consultants) and Pumpco (G/C) and proceeds with Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the 133-Mile Double E Pipeline Project in NM & TX, install 17.3 Miles of 30" diameter transmission pipeline to transport up to 1.4 Bcf/d of natural gas from Summit's existing Loving Processing Plant to the proposed trunk-line in Eddy County, NM. REQUIRES: Trenching, Excavation, 30" Diameter Transmission Pipe, SCADA, Cathodic Protection, Custody Transfers, Coatings, MCC Mods, Pig Launching & Receiving, Block/Control Valves, Metering, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Summit Midstream in Conjunction with GAI and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Packages 3Q21 (Jul) through 4Q21 (Oct). Construction Commenced 3Q21 (Jul). Scheduled Project Completion 4Q21 (Nov).

Project Milestones	AFE 202010	Sub Bid Doc 202110	Completion 17-Nov-2021	Precision QUARTER
Long-Lead 201912	Equip RFQ 202107	Kick-Off 202107	Kickoff Slippage 15 Months	Duration 5 Months
Engineering	Electrical	Environmental	Instrumentation Mechanical	Structural
Contracting				
Project Key Needs	Civil/Site	Control Room		
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Pumps
				Transportation
Matter Phase	Gas			
Energy				
Buy	Electricity			
Sell				
Project Fuel Type	Natural Gas			

Historical Reports

Project Name	Report Date	TIV	Phase
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL	25-Apr-2019	45,000,000 USD	Permitting (P2 - 18)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL	13-Oct-2019	45,000,000 USD	Permitting (P2 - 18)

LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL	19-Feb-2020	45,000,000 USD	Permitting (P2 - 18)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL	15-Mar-2020	45,000,000 USD	Permitting (P2 - 18)
LOVING DOUBLE E GRASSROOT NATURAL GAS PIPELINE LATERAL	20-Apr-2020	45,000,000 USD	Permitting (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)

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Project Name CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE
Umbrella Project Name DOUBLE E

[PEC Activity Diagram](#)

Umbrella Project Count 5

Umbrella Project Summary The Double E Pipeline will consist of approximately 132.9 miles of varying diameter pipeline. It will originate in the northern Delaware Basin in Eddy County, New Mexico and terminate at the Waha, servicing portions of Eddy and Lea Counties in New Mexico and Loving, Ward, Reeves and Pecos Counties in Texas.

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 125,000,000
SIC Code 4922 Natural Gas Transmission **Sector** Natural Gas Pipelines
SIC Product 4922*0004 Natural Gas Pipelines
Status Complete / Done **Last Update** 14-Dec-2021 **Initial Release** 15-Feb-2018
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 1,400 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	33	Miles (mi)	30	Inches (in)

Plant Owner Summit Midstream Partners LP **Plant Parent** Summit Midstream Partners LP
Plant Name Summit Lane Meter Station **Unit Name**
Plant ID 3384752
Location 25 miles Northeast of Carlsbad **Phone** +1 832 413 4770
City/State Carlsbad, New Mexico 88220 **Zone/County** NM*02, Eddy U.S.A.

Project Responsibility Project Company

Project Contact

Project Manager Summit Midstream
 2300 Windy Ridge Pkwy #240S
 Atlanta, Georgia 30339
 U.S.A.
Project Contact Cameron Bingham
 Project Director
 [Tel.] +1 214 242 1954
 [E-Mail] cbingham@summitmidstream.com

Consultant GAI Consultants Incorporated
 385 East Waterfront Drive
 Homestead, Pennsylvania 15120
 U.S.A.
Project Contact Angela Lundy
 Environmental Project Manager
 [Tel.] +1 412 476 2000
 [E-Mail] a.lundy@gaiconsultants.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.
Project Contact Derek Kieschnick
 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 Summit Midstream Partners awards GAI Consultants (Environmental Consultants) and Pumpco (G/C) and proceeds with Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the 135-Mile Double E Pipeline Project in NM & TX, install 33.4 miles of 30" diameter transmission pipeline to transport up to 1.4 Bcf/d of natural gas from the Summit's Lane Processing Plant (Plant ID: 3262789) currently under construction in Carlsbad, NM to Summit's proposed Poker Lake Compressor Station (Plt ID: 3303285) in Eddy County, NM. REQUIRES: Trenching, Excavation, 30" Diameter Transmission Pipe, SCADA, Cathodic Protection, Custody Transfers, Coatings, MCC Mods, Pig Launching & Receiving, Block/Control Valves, Metering, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Summit Midstream in Conjunction with GAI and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Packages 3Q21 (Jul) through 4Q21 (Oct). Construction Commenced 3Q21 (Jul). Scheduled Project Completion 4Q21 (Nov).

Project Milestones	AFE 202010	Sub Bid Doc 202110	Completion 17-Nov-2021	Precision QUARTER
Long-Lead 201912	Equip RFQ 202107	Kick-Off 202107	Kickoff Slippage 15 Months	Duration 5 Months
Engineering	Electrical	Environmental	Instrumentation	Mechanical
Contracting	Electrical	Mechanical	NDE	
Project Key Needs Civil/Site	Instrumentation	Electrical	Mechanical	Control Room
	Piping/Fittings	Insulation/Coatings	Environmental	Utilities
	Communications		Valves	Pumps
				Transportation
Matter Phase Gas				
Energy				
Buy Electricity				
Sell				
Project Fuel Type Natural Gas				

Historical Reports

Project Name	Report Date	TIV	Phase
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	15-Feb-2018	50,000,000 USD	Project Scope (P1 - 03)
CARLSBAD DOUBLE E GRASSROOT NATURAL GAS PIPELINE	25-Jan-2019	50,000,000 USD	Project Scope (P1 - 03)

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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Project Name FORT STOCKTON DOUBLE E GRASSROOT NATURAL GAS PIPELINE (TRUNK)
Umbrella Project Name DOUBLE E

[PEC Activity Diagram](#)

Umbrella Project Count 5

Umbrella Project Summary The Double E Pipeline will consist of approximately 132.9 miles of varying diameter pipeline. It will originate in the northern Delaware Basin in Eddy County, New Mexico and terminate at the Waha, servicing portions of Eddy and Lea Counties in New Mexico and Loving, Ward, Reeves and Pecos Counties in Texas.

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 310,000,000
SIC Code 4922 Natural Gas Transmission **Sector** Natural Gas Pipelines
SIC Product 4922*0004 Natural Gas Pipelines
Status Complete / Done **Last Update** 14-Dec-2021 **Initial Release** 15-Feb-2018
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union
Project Capacity **Planned** 1,400 MMSCFD of Natural Gas, Gaseous (Methane)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	82	Miles (mi)	42	Inches (in)

Plant Owner Summit Midstream **Plant Parent** Summit Midstream Partners LP
Plant Name Poker Lake Natural Gas Compressor Station **Unit Name**
Plant ID 3303285
Location NW of Carlsbad **Phone** +1 214 242 1954
City/State Carlsbad, New Mexico 88220 **Zone/County** NM*02, Eddy U.S.A.

Project Responsibility Project Company

Project Manager Summit Midstream
 2300 Windy Ridge Pkwy #240S
 Atlanta, Georgia 30339
 U.S.A.

Project Contact

Cameron Bingham
 Project Director
 [Tel.] +1 214 242 1954
 [E-Mail] cbingham@summitmidstream.com

Consultant GAI Consultants Incorporated
 385 East Waterfront Drive
 Homestead, Pennsylvania 15120
 U.S.A.

Angela Lundy
 Environmental Project Manager
 [Tel.] +1 412 476 2000
 [E-Mail] a.lundy@gaiconsultants.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

PEC® Timing C1
Project Probability Completed (100%)

PEC® Activity Completion/Start-Up

Scope Summit Midstream Partners awards GAI Consultants (Environmental Consultants) and Pumpco (G/C) and proceeds with Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the 133-Mile Double E Pipeline Project in NM & TX, install 82 miles of 42" diameter transmission pipeline (Trunk-line 200) to transport up to 1.4 Bcf/d of natural gas from Summit's proposed Poker Lake Compressor Station (Plt ID: 3303285) in Eddy County, NM to the NM/TX border near Loving. REQUIRES: Trenching, Excavation, 42" Diameter Transmission Pipe, SCADA, Cathodic Protection, Custody Transfers, Coatings, MCC Mods, Pig Launching & Receiving, Block/Control Valves, Metering, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Summit Midstream in Conjunction with GAI and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Packages 3Q21 (Jul) through 4Q21 (Oct). Construction Commenced 3Q21 (Jul). Scheduled Project Completion 4Q21 (Nov).

Project Milestones
Long-Lead 201912 **Equip RFQ** 202107 **Sub Bid Doc** 202110 **Kick-Off** 202107 **Completion** 17-Nov-2021 **Precision** QUARTER
Kickoff Slippage 15 Months **Duration** 5 Months

Engineering
Contracting Electrical Environmental Instrumentation Mechanical
Project Key Needs Civil/Site Control Room
 Instrumentation Electrical Mechanical NDE
 Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps
 Communications 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	Forbes Herring	[Phn.] +1 214 242 1954	Nov-2022
Business Development	fherring@summitmidstream.com (!)	No	

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)



Project Name WHISTLER GRASSROOT NATURAL GAS PIPELINE
Umbrella Project Name WHISTLER PIPELINE PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 12

Umbrella Project Summary The proposed Whistler project is being designed to transport 2 bcf/d of gas through 450 miles of 42-in. pipeline from Waha, TX to NextEra's Agua Dulce market hub, with an additional 170 miles of 30-in. pipe continuing from Agua Dulce and terminating in Wharton County. The project could be in service as early as the fourth quarter of 2020.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 725,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Complete / Done

Last Update 02-Aug-2021

Initial Release 15-Aug-2018

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity Planned 2,000 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	450 Miles (mi)		42 Inches (in)	

Plant Owner Targa Midstream Services LLC

Plant Parent Targa Resources Corporation

Plant Name Reeves Waha Natural Gas Compressor Station

Unit Name

Plant ID 3320652

Location 2693 County Road 102, 1/2 Mile East to Station Road North

Phone +1 432 332 2191

City/State Pecos, Texas 79772 U.S.A.

Zone/County TX*06, Reeves

Project Responsibility Project Company

Project Contact

Project Director WhiteWater Midstream
100 Congress Street
Austin, Texas 78701
U.S.A.

Caleb Ryan
Operations Director
[Tel.] +1 512 953 2105
[LinkedIn] caleb-ryan-p-e-39570229

Project Director WhiteWater Midstream
100 Congress Street
Austin, Texas 78701
U.S.A.

Glenn Kellison
Engineering Director
[Tel.] +1 512 953 2100
[LinkedIn] glenn-kellison-36aba4135

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Derek Kieschnick
Project Estimator
[Tel.] +1 979 542 9054
[E-Mail] derek.kieschnick@pumpco.cc

G/C Strike Construction LLC
1800 Hughes Landing Boulevard, Suite 500
The Woodlands, Texas 77380
U.S.A.

Mitchell Stockert
Senior Project Estimator
[Tel.] +1 888 353 1444
[E-Mail] mitchell.stockert@strikeusa.com

G/C Troy Construction LLC
260 Mount Olive Church Road
Commerce, Georgia 30529
U.S.A.

Matthew Brannon
Project Estimator
[Tel.] +1 706 336 0063
[E-Mail] mbrannon@troyconstruction.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Whistler Pipeline LLC (consortium of Whitewater Midstream, MPLX LP, Stonepeak Infrastructure and West Texas Gas Incorporated) awards Troy Construction (G/C) (Spread 1), Strike LLC (G/C) (Spread 2) and Pumpco (G/C) (Spreads 3 & 4) and proceeds with Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the 450-Mile Whistler Pipeline Project from the Permian Basin, install 450 Miles of 42" diameter transmission pipeline to include the Rebel Lateral (4.10 miles of 12"), Navitas Lateral (5.18 miles of 16"), Targa Driver Lateral (.23 miles of 12"), Pembroke Lateral (3.50 miles of 12"), WTG Sonora Lateral (.51 miles of 12") and JEB Lateral (1.10 miles of 12") to transport up to 2 Bcf/d of natural gas from an interconnect with the Waha Header near Cayanosa, TX to NextEra's Agua Dulce Market Hub in Agua Dulce, TX. REQUIRES: Trenching, Excavating, 42" Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, MCC Mods, Pig Launching & Receiving, Block/Control Valves, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Whistler Pipeline in Conjunction with Troy, Strike and Pumpco continues Construction Activities. Whistler Pipeline continues to release remaining Equipment RFQ's and Bid Documents plus review and select Subcontractors through 3Q21 (Sep). Construction Commenced Kick-Off 2Q20 (Jun). Scheduled Project Completion 4Q21 (Dec).

Details Apr-2020 No current impact.

Project Milestones	AFE 202003	Sub Bid Doc 202009	Completion 31-Jul-2021	Precision QUARTER
Long-Lead 201810	Equip RFQ 202106	Kick-Off 202006	Kickoff Slippage 9 Months	Duration 14 Months
Engineering Contracting	Electrical	Instrumentation	Mechanical	
Project Key Needs	Civil/Site	Control Room		
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
				Pumps

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
	pivey@targaresources.com	No	paul-ivey-a34589101
Engineering Manager	Paul Ivey	[Phn.] +1 432 943 4492 x229 / [Alt.] +1 432 557 0306	Apr-2023
	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
	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

Project Name	Report Date	TIV	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)



Project Name ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELI
Umbrella Project Name MIDLAND TO ECHO 3

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Enterprise will build the Midland to ECHO 3 502 mile pipeline from Midland, TX to Harris County, Tx. M2E3 is currently in the Regulatory and ROW phase. Kick-off is expected early 2020 with an in service date of Mid 2021.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 950,000,000

Sector Crude Pipelines

SIC Code 4612 Crude Petroleum Pipelines

SIC Product 4612*0001 Crude Oil Pipelines

Status Complete / Done

Last Update 15-Jan-2021

Initial Release 04-Apr-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 450,000 BBL/d of Crude Oil

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	500	Miles (mi)	16	Inches (in)

Plant Owner Enterprise Products Partners LP

Plant Parent Enterprise Products Partners LP

Plant Name Midland Crude Oil Pump Station

Unit Name

Plant ID 3116074

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
 1100 Louisiana Street, Suite 1000
 Houston, Texas 77002
 U.S.A.

Graham Bacon
 Executive VP of Operations & Engineering
 [Tel.] +1 713 381 6500
 [E-Mail] gbacon@eprod.com

Project Executive Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Kevin Ramsey
 VP Capital Projects
 [Tel.] +1 713 381 6500
 [E-Mail] kramsey@eprod.com ; [LinkedIn] kevin-ramsey-61491013

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Brad Cooley
 Senior Manager Environmental
 [Tel.] +1 713 381 6500
 [E-Mail] bjcooley@eprod.com ; [LinkedIn] brad-cooley-02928423

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Randy Wiggins
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail] rwiggins@eprod.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C Primoris Services Corporation
 2100 McKinney Avenue Suite 1500
 Dallas, Texas 75201
 U.S.A.

Matt Peterman
 Project Manager
 [Tel.] +1 214 740 5600
 [E-Mail] mpeterman@prim.com

G/C Primoris Services Corporation
 2100 McKinney Avenue Suite 1500
 Dallas, Texas 75201
 U.S.A.

Jason Denham
 Superintendent
 [Tel.] +1 214 740 5600
 [E-Mail]

G/C Troy Construction LLC
 P O Box 450862
 Houston, Texas 77245
 U.S.A.

Tim Johnson
 Field Superintendent
 [Tel.] +1 281 437 8214
 [E-Mail] tjohnson@troyconstruction.com

G/C MPG Pipeline Contractors LLC
 16770 Imperial Valley, Suite 105
 Houston, Texas 770660
 U.S.A.

Bruce Ainsworth
 Operations Manager
 [Tel.] +1 713 904 1168
 [E-Mail] bainsworth@mpg-plc.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Enterprise Products Partners LP with Troy Construction (Spread 1 & 2 Pipeline Contractor), Pumpco Incorporated (Spread 3 & 5A Pipeline Contractor), Primoris Rockford Corporation (Spreads 4 & 7 Pipeline Contractor) and MPG Pipeline Contractors (Spreads 5 & 6 Pipeline Contractor) performs Construction for the Midland-to-ECHO 3 Pipeline. DETAILS: Construct 502-Mile, 30" Diameter Crude Oil Pipeline in new Right-of-Way to provide 400,000-450,000 BBL/d of Crude Oil

takeaway capacity from Enterprise Products' Midland Terminal (Project ID 1072554) to Enterprise Products' Sealy Storage 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 Detection; (L) Containment.

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 (Jan).

Project Milestones	AFE 202001	Sub Bid Doc 202008	Completion 28-Dec-2020	Precision MONTH
Long-Lead 201909	Equip RFQ 202004	Kick-Off 202002	Kickoff Slippage 4 Months	Duration 11 Months
Engineering Contracting	Civil	Electrical	Environmental	Instrumentation Mechanical
Project Key Needs	Civil/Site	Instrumentation Electrical	Mechanical	General [G/C]
	Piping/Fittings	Insulation/Coatings	Environmental	
Matter Phase	Liquid			
Energy				
Buy				
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	Ralph Morris ramorris@eprod.com	[Phn.] +1 432 250 1173 No	Feb-2023
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	Rex Morsey	[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-61320b22
Safety Manager	Christopher Spore	[Phn.] +1 432 221 7746	Feb-2023
Lead Field Environmental Scientist	cspore@eprod.com	No	christopher-spore-p-g-61320b22
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 mhartman@eprod.com	[Phn.] +1 713 381 6500 No	Feb-2023 marilyn-hartman-349ab645

Historical Reports

Project Name	Report Date	TIV	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)

ENTERPRISE GRASSROOT MIDLAND TO ECHO III (M2E3) CRUDE OIL PIPELINE 15-Jan-2021 950,000,000 USD Completion/Start-Up (C1 - 41)

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Project Name SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3
Umbrella Project Name MIDLAND TO ECHO 3

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Enterprise will build the Midland to ECHO 3 502 mile pipeline from Midland, TX to Harris County, Tx. M2E3 is currently in the Regulatory and ROW phase. Kick-off is expected early 2020 with an in service date of Mid 2021.

Industry Code 03 Oil & Gas Pipelines

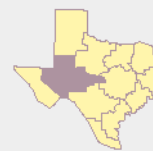
Project Type Grassroot

TIV (USD) 75,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0003 Crude Oil Pump Stations



Status Complete / Done

Last Update 15-Jan-2021

Initial Release 14-Jun-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union

Plant Owner Enterprise Products Partners LP

Plant Parent Enterprise Products Partners LP

Plant Name San Angelo Pump Station 3

Unit Name San Angelo Pump Station 3 03 EM

Plant ID 3371717

Location Near San Angelo

Phone +1 713 381 6500

City/State San Angelo, Texas 76901 U.S.A.

Zone/Country TX*06, Tom Green

Project Responsibility Project Company

Project Contact

Project Executive Enterprise Products Partners LP
 1100 Louisiana Street, Suite 1000
 Houston, Texas 77002
 U.S.A.

Graham Bacon
 Executive VP of Operations & Engineering
 [Tel.] +1 713 381 6500
 [E-Mail] gbacon@eprod.com

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Kevin Ramsey
 VP Capital Projects
 [Tel.] +1 713 381 6500
 [E-Mail] keramsey@eprod.com ; [LinkedIn] kevin-ramsey-61491013

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Randy Wiggins
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail] rwiggins@eprod.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Sam Foster
 Project Controls Manager
 [Tel.] +1 281 452 2355
 [E-Mail] sfoster@nse.com

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Benny Flores
 Project Manager
 [Tel.] +1 281 452 2355
 [E-Mail] bflores@nse.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope M2E3 LLC affiliate of Enterprise Product Partners LP with Pumpco Incorporated (Pipeline G/C and Pump Station Contractor) and NorthStar Energy Services (Pump Station G/C) performs Construction on Midland-to-ECHO 3 Grassroot Crude Oil Pump Station 3. DETAILS: As part of the Midland to Echo 3 Pipeline Project from the Permian Basin, construct building and install (1) 3,000 hp electric-drive pump package with auxiliary equipment to support Enterprise grassroot 502-Mile pipeline (Project ID: 300514810) currently being designed to transport up to 400,000 BBL/d (expandable to 450,000 BBL/d) of crude oil from Sterling City, TX to San Angelo, TX. REQUIRES: Steel Frame Building, Electric-Driven Pump Package, SCADA, MCC Mods, Control Valves, Flanges, Station Piping, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products Partners LP with Pumpco Incorporated and NorthStar Energy Services continues with Construction Activities and releases remaining Equipment RFQs and Subcontractor Bid Documents 1Q20 (Mar)-3Q20 (Aug). Expected Construction Kick-Off 1Q20 (Mar). Construction Completion 1Q21 (Jan).

Project Milestones

Long-Lead 201909 **AFE** 202001 **Sub Bid Doc** 202008 **Completion** 28-Dec-2020 **Precision** YEAR
Equip RFQ 202003 **Kick-Off** 202003 **Kickoff Slippage** 0 Months **Duration** 10 Months

Engineering

Contracting

Project Key Needs

Electrical Environmental Instrumentation Mechanical Structural
 Control Room
 Instrumentation Electrical Mechanical Storage
 Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps
 Communications Transportation

Material Handling

Matter Phase

Liquid

Vapor

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	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

Historical Reports

Project Name	Report Date	TIV	Phase
ECHO GRASSROOT CRUDE OIL PUMP STATION 3	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT CRUDE OIL PUMP STATION 3	04-Nov-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT CRUDE OIL PUMP STATION 3	03-Dec-2019	75,000,000 USD	Permitting (P2 - 18)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	05-Mar-2020	75,000,000 USD	Detailed Engineering (E2 - 31)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	25-Mar-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	17-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	30-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	15-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	22-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	13-Nov-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	01-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	24-Dec-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
SAN ANGELO GRASSROOT CRUDE OIL PUMP STATION 3	15-Jan-2021	75,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05
Umbrella Project Name MIDLAND TO ECHO 3

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Enterprise will build the Midland to ECHO 3 502 mile pipeline from Midland, TX to Harris County, Tx. M2E3 is currently in the Regulatory and ROW phase. Kick-off is expected early 2020 with an in service date of Mid 2021.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 75,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0003 Crude Oil Pump Stations

Status Complete / Done

Last Update 15-Jan-2021

Initial Release 14-Jun-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 400,000 BBL/d of Crude Oil

Plant Owner Enterprise Products Partners LP

Plant Parent Enterprise Products Partners LP

Plant Name Austin Pump Station 5

Unit Name Austin Pump Station 5 05 EM

Plant ID 3371722

Location Near Austin

Phone +1 713 381 6500

City/State Austin, Texas 78736 U.S.A.

Zone/Country TX*03, Travis

Project Responsibility Project Company

Project Contact

Project Executive Enterprise Products Partners LP
 1100 Louisiana Street, Suite 1000
 Houston, Texas 77002
 U.S.A.

Graham Bacon
 Executive VP of Operations & Engineering
 [Tel.] +1 713 381 6500
 [E-Mail] gbacon@eprod.com

Project Executive Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Kevin Ramsey
 VP Capital Projects
 [Tel.] +1 713 381 6500
 [E-Mail] keramsey@eprod.com ; [LinkedIn] kevin-ramsey-61491013

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Randy Wiggins
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail] rwiggins@eprod.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Sam Foster
 Project Controls Manager
 [Tel.] +1 281 452 2355
 [E-Mail] sfoster@nse.com

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Benny Flores
 Project Manager
 [Tel.] +1 281 452 2355
 [E-Mail] bflores@nse.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope M2E3 LLC affiliate of Enterprise Product Partners LP with Pumpco Incorporated (Pipeline G/C and Pump Station Contractor) and NorthStar Energy Services (Pump Station G/C) performs Detailed Engineering on Midland-to-ECHO 3 Grassroot Crude Oil Pump Station 5. DETAILS: As part of the Midland to Echo 3 Pipeline Project from the Permian Basin, construct building and install (1) 3,000 hp electric-drive pump package with auxiliary equipment to support Enterprise grassroot 502 Mile pipeline (Project ID: 300514810) currently being designed to transport up to 400,000 BBL/d (expandable to 450,000 BBL/d) of crude oil from Sterling City, TX to San Angelo, TX. REQUIRES: Steel Frame Building, Electric-Driven Pump Package, SCADA, MCC Mods, Control Valves, Flanges, Station Piping, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products Partners LP with Pumpco Incorporated and NorthStar Energy Services continues with Detailed Engineering through 1Q20 (Mar). Enterprise Products Partners LP with Pumpco Incorporated and NorthStar Energy Services releases remaining Equipment RFQs and Subcontractor Bid Documents 1Q20 (Mar)-3Q20 (Aug). Expected Construction Kick-Off 2Q20 (Apr). Construction Completion 1Q21 (Jan).

Details Apr-2020 No current impact.

Project Milestones

AFE 202001

Sub Bid Doc 202008

Completion 28-Dec-2020

Precision YEAR

Long-Lead 201909

Equip RFQ 202003

Kick-Off 202004

Kickoff Slippage 1 Months

Duration 9 Months

Engineering Civil Electrical Environmental

Instrumentation Mechanical Structural

Contracting Civil Electrical Environmental

Instrumentation Mechanical Structural

General [G/C]

Project Key Needs Civil/Site Structural Control Room

Instrumentation Electrical Mechanical

Storage NDE

Piping/Fittings Insulation/Coatings Environmental Utilities

Valves Pumps

Communications

Transportation

Material Handling

Matter Phase
Energy
Buy
Sell

Liquid

Vapor

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.] +1 956 642 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

Historical Reports

Project Name	Report Date	TIV	Phase
ECHO GRASSROOT CRUDE OIL PUMP STATION 05	14-Jun-2019	75,000,000 USD	Permitting (P2 - 18)
ECHO GRASSROOT CRUDE OIL PUMP STATION 05	03-Dec-2019	75,000,000 USD	Permitting (P2 - 18)
AUSTIN GRASSROOT CRUDE OIL PUMP STATION 05	05-Mar-2020	75,000,000 USD	Detailed Engineering (E2 - 31)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	08-Apr-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	13-Apr-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	17-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	30-Sep-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	15-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	22-Oct-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
AUSTIN MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 05	13-Nov-2020	75,000,000 USD	Construction - Merit Shop (C1 - 36)
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	75,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name LONDON GRASSROOT CRUDE OIL PUMP STATION 04
Umbrella Project Name MIDLAND TO ECHO 3

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Enterprise will build the Midland to ECHO 3 502 mile pipeline from Midland, TX to Harris County, Tx. M2E3 is currently in the Regulatory and ROW phase. Kick-off is expected early 2020 with an in service date of Mid 2021.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 75,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0003 Crude Oil Pump Stations

Status Complete / Done

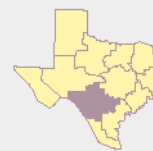
Last Update 15-Jan-2021

Initial Release 14-Jun-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 400,000 BBL/d of Crude Oil

Plant Owner Enterprise Products Partners LP

Plant Parent Enterprise Products Partners LP

Plant Name London Pump Station 4

Unit Name London Pump Station 4 04 EM

Plant ID 3371721

Location Near London

Phone +1 713 381 6500

City/State London, Texas 76854 U.S.A.

Zone/Country TX*09, Kimble

Project Responsibility Project Company

Project Contact

Project Executive Enterprise Products Partners LP
 1100 Louisiana Street, Suite 1000
 Houston, Texas 77002
 U.S.A.

Graham Bacon
 Executive VP of Operations & Engineering
 [Tel.] +1 713 381 6500
 [E-Mail] gbacon@eprod.com

Project Executive Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Kevin Ramsey
 VP Capital Projects
 [Tel.] +1 713 381 6500
 [E-Mail] keramsey@eprod.com ; [LinkedIn] kevin-ramsey-61491013

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Randy Wiggins
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail] rwiggins@eprod.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Sam Foster
 Project Controls Manager
 [Tel.] +1 281 452 2355
 [E-Mail] sfoster@nse.com

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Benny Flores
 Project Manager
 [Tel.] +1 281 452 2355
 [E-Mail] bflores@nse.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope M2E3 LLC affiliate of Enterprise Product Partners LP with Pumpco Incorporated (Pipeline G/C and Pump Station Contractor) and NorthStar Energy Services (Pump Station G/C) performs Construction on Midland-to-ECHO 3 Grassroot Crude Oil Pump Station 4. DETAILS: As part of the Midland to Echo 3 Pipeline Project from the Permian Basin, construct building and install (1) 3,000 hp electric-drive pump package with auxiliary equipment to support Enterprise grassroot 502-Mile pipeline (Project ID: 300514810) currently being designed to transport up to 400,000 BBL/d (expandable to 450,000 BBL/d) of crude oil from Sterling City, TX to San Angelo, TX . REQUIRES: Steel Frame Building, Electric-Driven Pump Package, SCADA, MCC Mods, Control Valves, Flanges, Station Piping, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products Partners LP with Pumpco Incorporated and NorthStar Energy Services continues Construction Activities and releases remaining Equipment RFQs and Subcontractor Bid Documents 1Q20 (Mar)-3Q20 (Aug). Expected Construction Kick-Off 1Q20 (Mar). Construction Completion 1Q21 (Jan).

Project Milestones	AFE 202001	Sub Bid Doc 202008	Completion 28-Dec-2020	Precision YEAR
Long-Lead 201909	Equip RFQ 202003	Kick-Off 202003	Kickoff Slippage 0 Months	Duration 10 Months
Engineering Contracting	Electrical	Environmental	Instrumentation	Mechanical
Project Key Needs	Control Room			
Instrumentation	Electrical	Mechanical		
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves
Communications				Pumps
	Material Handling			Transportation
Matter Phase	Liquid			Vapor

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)



Project Name MIDLAND TO ECHO 3 GRASSROOT CRUDE OIL PUMP STATION 1
Umbrella Project Name MIDLAND TO ECHO 3

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Enterprise will build the Midland to ECHO 3 502 mile pipeline from Midland, TX to Harris County, Tx. M2E3 is currently in the Regulatory and ROW phase. Kick-off is expected early 2020 with an in service date of Mid 2021.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 75,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0003 Crude Oil Pump Stations

Status Complete / Done

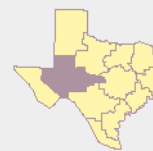
Last Update 15-Jan-2021

Initial Release 14-Jun-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 400,000 BBL/d of Crude Oil

Plant Owner Enterprise Products Partners LP

Plant Parent Enterprise Products Partners LP

Plant Name Midland Echo 3 Crude Oil Pump Station 1

Unit Name Midland Pump Station 1 01 EM

Plant ID 3371718

Location 4500 East Highway 80

Phone +1 713 381 6500

City/State Midland, Texas 79701 U.S.A.

Zone/Country TX*06, Midland

Project Responsibility Project Company

Project Contact

Project Manager Enterprise Products Partners LP
 1100 Louisiana Street, Suite 1000
 Houston, Texas 77002
 U.S.A.

Graham Bacon
 Executive VP of Operations & Engineering
 [Tel.] +1 713 381 6500
 [E-Mail] gbacon@eprod.com

Project Executive Enterprise Products Partners LP
 Post Office Box 4324
 Houston, Texas 77210
 U.S.A.

Kevin Ramsey
 VP Operations & Capital Projects
 [Tel.] +1 713 381 6500
 [E-Mail] keramsey@eprod.com ; [LinkedIn] kevin-ramsey-61491013

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Randy Wiggins
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail] rwiggins@eprod.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
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Benny Flores
 Project Manager
 [Tel.] +1 281 452 2355
 [E-Mail] bflores@nse.com

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Sam Foster
 Project Controls Manager
 [Tel.] +1 281 452 2355
 [E-Mail] sfoster@nse.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope M2E3 LLC affiliate of Enterprise Product Partners LP with Pumpco Incorporated (Pipeline G/C and Pump Station Contractor), NorthStar Energy Services (Pump Station G/C) performs Detailed Engineering on Midland-to-ECHO 3 Grassroot Crude Oil Pump Station 1. DETAILS: As part of the Midland to Echo 3 Pipeline Project from the Permian Basin, construct building and install (1) 3,000 hp electric-drive pump package with auxiliary equipment to support Enterprise grassroot 502-Mile pipeline (Project ID: 300514810) currently being designed to transport up to 400,000 BBL/d (expandable to 450,000 BBL/d) of crude oil from Cameron, TX to Sealy, TX. REQUIRES: Steel Frame Building, Electric-Driven Pump Package, SCADA, MCC Mods, Control Valves, Flanges, Station Piping, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products Partners LP with Pumpco Incorporated and NorthStar Energy Services continues with Detailed Engineering through 1Q20 (Mar). Enterprise Products Partners LP with NorthStar Energy Services releases remaining Equipment RFQs and Subcontractor Bid Documents 1Q20 (Mar)-3Q20 (Aug). Expected Construction Kick-Off 2Q20 (Apr). Construction Completion 1Q21 (Jan).

Project Milestones

Long-Lead 201909	AFE 202001	Sub Bid Doc 202008	Completion 28-Dec-2020	Precision YEAR
Equip RFQ 202003	Kick-Off 202003	Kickoff Slippage 0 Months	Duration 10 Months	

Engineering

Contracting

Project Key Needs

Electrical	Environmental	Instrumentation	Mechanical
Instrumentation	Mechanical	Control Room	Storage
Piping/Fittings	Insulation/Coatings	Environmental	Utilities
Communications			Valves
			Pumps
			Transportation

Material Handling

Matter Phase
Energy
Buy
Sell

Liquid

Vapor

Project Fuel Type Crude Oil

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	rhmorsey@eprod.com	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	rhmorsey@eprod.com	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	Report Date	TIV	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)



Project Name BIG LAKE ECHO III GRASSROOT PUMP STATION 2
Umbrella Project Name MIDLAND TO ECHO 3

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Enterprise will build the Midland to ECHO 3 502 mile pipeline from Midland, TX to Harris County, Tx. M2E3 is currently in the Regulatory and ROW phase. Kick-off is expected early 2020 with an in service date of Mid 2021.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 75,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0003 Crude Oil Pump Stations

Status Complete / Done

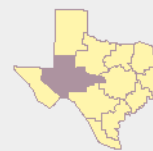
Last Update 15-Jan-2021

Initial Release 14-Jun-2019

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 400,000 BBL/d of Crude Oil

Plant Owner Enterprise Products Partners LP

Plant Parent Enterprise Products Partners LP

Plant Name Big Lake Pump Station 2

Unit Name Big Lake Pump Station 2 02 EM

Plant ID 3371719

Location Near Big Lake

Phone +1 713 381 6500

City/State Big Lake, Texas 76932 U.S.A.

Zone/Country TX*06, Reagan

Project Responsibility Project Company

Project Contact

Project Executive Enterprise Products Partners LP
 1100 Louisiana Street, Suite 1000
 Houston, Texas 77002
 U.S.A.

Graham Bacon
 Executive VP of Operations & Engineering
 [Tel.] +1 713 381 6500
 [E-Mail] gbacon@eprod.com

Project Executive Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Kevin Ramsey
 VP Capital Projects
 [Tel.] +1 713 381 6500
 [E-Mail] keramsey@eprod.com ; [LinkedIn] kevin-ramsey-61491013

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Randy Wiggins
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail] rwiggins@eprod.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Sam Foster
 Project Controls Manager
 [Tel.] +1 281 452 2355
 [E-Mail] sfoster@nse.com

G/C NorthStar Energy Services
 15025 East Freeway
 Channelview, Texas 77530
 U.S.A.

Benny Flores
 Project Manager
 [Tel.] +1 281 452 2355
 [E-Mail] bflores@nse.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope M2E3 LLC affiliate of Enterprise Product Partners LP with Pumpco Incorporated (Pipeline G/C and Pump Station Contractor) and NorthStar Energy Services (G/C) performs Construction on Midland-to-ECHO 3 Grassroot Crude Oil Pump Station 2. DETAILS: As part of the Midland to Echo 3 Pipeline Project from the Permian Basin, construct building and install (1) 3,000 hp electric-drive pump package with auxiliary equipment to support Enterprise grassroot 502-Mile pipeline (Project ID: 300514810) currently being designed to transport up to 400,000 BBL/d (expandable to 450,000 BBL/d) of crude oil from Midland, TX to Sterling City, TX. REQUIRES: Steel Frame Building, Electric-Driven Pump Package, SCADA, MCC Mods, Control Valves, Flanges, Station Piping, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products Partners LP with Pumpco Incorporated and NorthStar Energy Services continues with Construction Activities and releases remaining Equipment RFQs and Subcontractor Bid Documents 1Q20 (Mar)-3Q20 (Aug). Expected Construction Kick-Off 1Q20 (Mar). Construction Completion 1Q21 (Jan).

Project Milestones	AFE 202001	Sub Bid Doc 202008	Completion 28-Dec-2020	Precision YEAR
Long-Lead 201909	Equip RFQ 202003	Kick-Off 202003	Kickoff Slippage 0 Months	Duration 10 Months
Engineering Contracting	Electrical	Environmental	Instrumentation	Mechanical
Project Key Needs	Control Room			
Instrumentation	Electrical	Mechanical		
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves
Communications				Pumps
				Transportation
Matter Phase	Material Handling			
	Liquid			

Energy

Buy

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	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

Historical Reports

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)



Project Name FORT STOCKTON PERMIAN HIGHWAY GRASSROOT NATURAL GAS PIPELIN
Umbrella Project Name PERMIAN HIGHWAY PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 5

Umbrella Project Summary The PHP Pipeline is a 430 mile of 42 inch pipe being built to enable flows of natural gas from the Waha Hub into the Agua Dulce Hub in South TX and providing access to several other pipelines to MX, the Katy Hub (30 miles west of Houston) and pipeline headers that ties into liquefaction/LNG export terminals in Corpus Christi and Freeport, TX. A possible switch to a 48-inch-diameter pipe is under consideration, depending on the level of shipper interest.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 1,600,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Complete / Done

Last Update 04-Jan-2021

Initial Release 13-Sep-2018

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity Planned 2,100 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	430	Miles (mi)	42	Inches (in)

Plant Owner Permian Highway Pipeline LLC

Plant Parent Kinder Morgan Incorporated

Plant Name Fort Stockton Coyanosa Natural Gas Compressor Station

Unit Name

Plant ID 3335456

Location 2629 Trailer House Road

Phone +1 713 369 9000

City/State Coyanosa, Texas 79730 U.S.A.

Zone/County TX*06, Pecos

Project Responsibility Project Company

Project Contact

Project Executive Kinder Morgan Texas Pipeline LLC
 1001 Louisiana Street Suite 1000
 Houston, Texas 77002
 U.S.A.

David Grisko
 Business Development
 [Tel.] +1 713 369 9000
 [E-Mail] david_grisko@kindermorgan.com

Project Executive Kinder Morgan Incorporated
 1001 Louisiana Street Suite 1000
 Houston, Texas 77002
 U.S.A.

Sital Mody
 VP of Natural Gas Midstream
 [Tel.] +1 713 369 9000
 [E-Mail] sital_mody@kindermorgan.com

Project Manager Kinder Morgan Texas Pipeline LLC
 1001 Louisiana Street Suite 1000
 Houston, Texas 77002
 U.S.A.

Enrique Valencia
 Commercial Operations Manager
 [Tel.] +1 713 369 9000
 [E-Mail] enrique_valencia@kindermorgan.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C Troy Construction LLC
 260 Mount Olive Church Road
 Commerce, Georgia 30529
 U.S.A.

Matthew Brannon
 Project Estimator
 [Tel.] +1 281 437 8214
 [E-Mail] mbrannon@troyconstruction.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Kinder Morgan Texas Pipeline (subsidiary of Kinder Morgan) and EagleClaw Midstream Ventures (Joint Venture) awards Pumpco Incorporated and Troy Construction (G/C) and performs Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the \$2 Billion 430-Mile Permian Highway Pipeline Project from Waha Hub to the Texas Gulf Coast, install 430 miles of 42" diameter transmission pipeline to transport up to 2.1 Bcf/d of natural gas from Waha Hub near Fort Stockton, TX to Katy, TX which will then connect to the Gulf Coast and Mexico Markets. REQUIRES: Trenching, Excavating, 42" Diameter Transmission Pipe, Cathodic Protection, Custody Transfers, Coatings, MCC Mods, Pig Launching & Receiving, Block/Control Valves, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule KMTP with Troy and Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Bid Documents plus review and select Subcontractors 1Q20 (Feb) through 2Q20 (Jun). Construction Commenced 1Q20 (Feb). Scheduled Project Completion 2Q21 (Apr).

Project Milestones

Long-Lead 201811 **Equip RFQ** 202002 **Sub Bid Doc** 202006 **Completion** 01-Jan-2021 **Precision** DAY
Kick-Off 202002 **Kickoff Slippage** 3 Months **Duration** 12 Months

Engineering

Contracting

Project Key Needs

Civil/Site	Electrical	Environmental	Instrumentation	Mechanical
Instrumentation	Structural	Control Room		
Piping/Fittings	Electrical	Mechanical	NDE	
Communications	Insulation/Coatings	Environmental Utilities	Pumps	
			Transportation	

Material Handling

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	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

Historical Reports

Project Name	Report Date	TIV	Phase
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)



Project Name WINK LONE STAR EXPRESS (LSX2) NATURAL GAS LIQUIDS PIPELINE EXPAI
Umbrella Project Name LONE STAR EXPRESS EXPANSION (LSX2)

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary Lone Star is expanding its Lone Star Express Pipeline system by adding a new 352-mile 24" pipeline extending from Lone Stars existing pipeline system near Wink, Tx to its existing 30" line south of Fort Worth, Tx. This new pipeline will provide capacity for transportation commitments Lone Star has secured from the Delaware and Permian Basins. Completion date is slated for 4Q20.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 550,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Liquids Pipelines



SIC Product 4922*0010 Natural Gas Liquids Pipeline

Status Complete / Done

Last Update 02-Sep-2020

Initial Release 12-Dec-2018

Environmental Air (A) Land (L) Water (W)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union

Project Capacity

Planned 400,000 BBL/d of Natural Gas Liquids (NGL)

Pipeline Installation Details

Installation 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 Name Wink WT2 NGL Pump Station
Plant ID 3348108
Location East of Wink
City/State Wink, Texas 79789 U.S.A.

Plant Parent Energy Transfer LP
Unit Name
Phone +1 210 403 7300
Zone/County TX*06, Winkler

Project Responsibility Project Company

Project Contact

Project Executive Energy Transfer Operating LP
 8111 Westchester Drive
 Dallas, Texas 75225
 U.S.A.

Matthew Ramsey
 VP Operations & Engineering
 [Tel.] +1 713 989 7000
 [E-Mail] matt.ramsey@energytransfer.com

Project Manager Energy Transfer Operating LP
 8111 Westchester Drive
 Dallas, Texas 75225
 U.S.A.

Kevin Smith
 Sr Construction Engineer
 [Tel.] +1 713 989 7000
 [E-Mail] kevin.smith@energytransfer.com

Project Manager Energy Transfer Operating LP
 1300 Main Street
 Houston, Texas 77002
 U.S.A.

Jonathan Minton
 Environmental Project Manager
 [Tel.] +1 713 989 7000
 [E-Mail] jonathan.minton@energytransfer.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C Troy Construction LLC
 P O Box 450862
 Houston, Texas 77245
 U.S.A.

Tim Johnson
 Field Superintendent
 [Tel.] +1 281 437 8214
 [E-Mail] tjohnson@troyconstruction.com

G/C Holloman Corporation
 333 North Sam Houston Parkway East Suite 600
 Houston, Texas 77060
 U.S.A.

Ryan Kelly
 Project Manager
 [Tel.] +1 281 878 2600
 [E-Mail]

G/C Precision Pipeline LLC
 1119 Regis Court Ste 210
 Eau Claire, Wisconsin 54701
 U.S.A.

Jake Breunig
 Project Manager
 [Tel.] +1 715 874 4510
 [E-Mail] jbreunig@precisionpipelinellc.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Lone Star NGL Pipeline LLC (subsidiary of Energy Transfer LP) awards Pumpco Incorporated (Spread 1), Troy Construction (Spread 2), Hollomon Corporation (Spread 3) and Precision Pipeline (Spread 4) and proceed with Construction on LSX2 NGL Pipeline Expansion. DETAILS: As part of Lone Star Express pipeline Expansion from the Permian Basin, install 352 miles of 24" diameter transmission pipeline to transport 400,000 BBL/d of NGL's from Wink, TX to connect to Lone Star existing 30" pipeline at Morgan Junction in Bosque County, TX. REQUIRES: Trenching, Excavating, 24" Diameter Transmission Pipe, Cathodic Protection, Road/River Crossings, Coatings, Custody Transfers, Metering, Block/Control Valves, Pig Launching, Piping and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment; (W) River Crossings.

Schedule Lone Star in Conjunction with G/C's continues with Construction Activities (Clearing and Grading) and releases remaining Equipment RFQ's and Bid Documents plus review and select Subcontractors 4Q19 (Dec) through 2Q20 (May). Construction Commenced 4Q19 (Dec). Scheduled Project Completion 3Q20 (Sep).

Details Apr-2020 No current impact.

Project Milestones	AFE 201908	Sub Bid Doc 202005	Completion 01-Sep-2020	Precision QUARTER
Long-Lead 201901	Equip RFQ 201912	Kick-Off 201912	Kickoff Slippage 3 Months	Duration 10 Months
Engineering Contracting	Electrical	Environmental	Instrumentation Mechanical	
Project Key Needs	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Pumps
	Communications	Material Handling	Control Room	Transportation
Matter Phase	Gas	Liquid		
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	Michael 'Mike' McCracken	[Phn.] +1 817 302 9806 / [Alt.] +1 505 217 5034	Aug-2022
Senior Director of Operations	michael.mccracken@energytransfer.com	No	mike-mccracken-485b9741
Maintenance Manager	Michael 'Mike' McCracken	[Phn.] +1 214 981 0700 / [Alt.] +1 505 217 5034	Aug-2022
Senior Director of Operations	michael.mccracken@energytransfer.com	No	mike-mccracken-485b9741
Purchasing Manager	Michael 'Mike' McCracken	[Phn.] +1 817 302 9806 / [Alt.] +1 505 217 5034	Aug-2022
Senior Director of Operations	michael.mccracken@energytransfer.com	No	mike-mccracken-485b9741
Engineering Manager	Mark Vedral	[Phn.] +1 210 489 4300	Aug-2022
	mark.vedral@energytransfer.com	No	
Environmental Manager	Christopher Hansen	[Phn.] +1 214 840 5650 / [Alt.] +1 972 658 8157	Aug-2022
	christopher.hansen@energytransfer.com	No	chris-hansen-a2273166
Safety Manager	Keith Morris	[Phn.] +1 214 981 0700	Aug-2022
Senior Safety Manager	keith.morris@energytransfer.com	No	keith-morris-csp-3a5b9919
Utilities Manager	Michael 'Mike' McCracken	[Phn.] +1 817 302 9806 / [Alt.] +1 505 217 5034	Aug-2022
Senior Director of Operations	michael.mccracken@energytransfer.com	No	mike-mccracken-485b9741
Human Resource Manager	Erica Brandt	[Phn.] +1 210 403 7300	Aug-2022
Human Resource Director	erica.brandt@energytransfer.com	No	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)



Project Name COTULLA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Status Complete / Done **Last Update** 17-Jul-2020 **Initial Release** 15-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner Epic Consolidated Operations LLC **Plant Parent** EPIC Midstream Holdings, LP
Plant Name EPIC Crude Oil Pump Station **Unit Name** Cotulla 01 EM Cotulla 02 EM
Plant ID 3238433
Location Highway 57 **Phone** +1 210 495 5577
City/State Eagle Pass, Texas 78852 U.S.A. **Zone/County** TX*09, Maverick

Project Responsibility Project Company

Project Contact

Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Project Contact Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 x209 [E-Mail] ; [LinkedIn] grant-terry-35974311a
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Project Contact Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 495 5577 [E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Project Contact Phillip Mezey Chief Executive Officer [Tel.] +1 210 495 5577 [E-Mail] phil.mezey@epicmid.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Project Contact Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [E-Mail] robert.mares@pumpco.cc
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Project Contact Derek Kieschnick 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 Epic Midstream with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. DETAILS: Construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Piling, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Epic Midstream with Pumpco (G/C) completes Construction. Construction Commenced 4Q18 (Dec). Project Completed 1Q20 (Mar).

Project Milestones	AFE 201810	Sub Bid Doc 201811	Completion 15-Mar-2020	Precision MONTH
Long-Lead 201810	Equip RFQ 201811	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 16 Months
Engineering Civil	Electrical	Environmental	Instrumentation Mechanical	Structural
Contracting Civil	Electrical	Environmental	Instrumentation Mechanical	Structural
Project Key Needs Civil/Site	Structural	Control Room		
Instrumentation	Electrical	Mechanical	NDE	
Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves	Pumps
Communications				Transportation
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Lyn Hudson	[Phn.] +1 210 920 2255	Feb-2023
Pipeline Operations Manager		No	lynhudson

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

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)

Project Name OZONA GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Status Complete / Done **Last Update** 17-Jul-2020 **Initial Release** 15-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Union, Non-Union
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name EPIC Crude Oil Pump Station **Unit Name** Ozona 01 EM Ozona 02 EM
Plant ID 3238235
Location West of Route 163, South of Ozona **Phone** +1 210 569 6696
City/State Crane, Texas 76943 U.S.A. **Zone/County** TX*06, Upton

Project Responsibility Project Company

Project Contact

<p>Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 x209 [E-Mail] ; [LinkedIn] grant-terry-35974311a</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 495 5577 [E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Phillip Mezey Chief Executive Officer [Tel.] +1 210 495 5577 [E-Mail] phil.mezey@epicmid.com</p>
<p>G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.</p>	<p>Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [E-Mail] robert.mares@pumpco.cc</p>
<p>G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.</p>	<p>Derek Kieschnick Project Estimator [Tel.] +1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc</p>

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Epic Midstream with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. DETAILS: Construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Piling, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Epic Midstream with Pumpco (G/C) completes Construction for a Grassroot Crude Oil Pump Station. Construction Commenced 4Q18 (Dec). Project Completed 1Q20 (Mar).

Project Milestones	Long-Lead 201810	AFE 201810	Sub Bid Doc 201811	Completion 15-Mar-2020	Precision MONTH
	Equip RFQ 201811	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 16 Months	
Engineering Civil	Electrical	Environmental	Instrumentation	Mechanical	Structural
Contracting Civil	Electrical	Environmental	Instrumentation	Mechanical	Structural
Project Key Needs Civil/Site	Structural			Heat Transfer	
Instrumentation	Electrical	Mechanical		NDE	
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves	Pumps
Communications					Transportation
Matter Phase	Liquid				
Energy					
Buy					
Sell					

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Matt Warren	[Phn.] +1 210 620 4593 / [Alt.] +1 210 920 2255	Sep-2022
Senior Operations Manager Crude, NGL		No	

Maintenance Manager	Cliff Self	[Phn.] +1 210 569 6696	Sep-2022
Pipeline Operations Manager		No	cliff-self-9571681b8
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Sep-2022
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-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-crochet-50a25b146
Safety Manager	William Crochet	[Phn.] +1 210 920 2255	Sep-2022
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-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	annagorshkovasmith

Historical Reports

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



Project Name ORLA GRASSROOT GRAY OAK CRUDE OIL PIPELINE
Umbrella Project Name GRAY OAK CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 14

Umbrella Project Summary 800,000 BBL/d Crude Oil Pipeline from multiple origin points in the Permian to the Gulf Coast via the Eagle Ford.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 1,500,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0001 Crude Oil Pipelines

Status Complete / Done

Last Update 14-May-2020

Initial Release 21-Dec-2017

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity **Planned** 900,000 BBL/d of Crude Oil

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	850	Miles (mi)	42	Inches (in)

Plant Owner Phillips 66

Plant Parent Phillips 66

Plant Name Orla Crude Oil Pump Station

Unit Name

Plant ID 3292948

Location 10.38 Miles Northwest of Orla

Phone +1 281 293 6600

City/State Mentone, Texas 79770 U.S.A.

Zone/County TX*06, Loving

Project Responsibility Project Company

Project Contact

Project Executive Phillips 66
 PO Box 4428
 Houston, Texas 77210
 U.S.A.

Corey Leonard
 Business Dev. Manager - Pipelines
 [Tel.] +1 281 293 6600
 [E-Mail] corey.leonard@p66.com

Project Manager Phillips 66
 PO Box 4428
 Houston, Texas 77210
 U.S.A.

Manny Cortez
 Pipeline Operation Manager
 [Tel.] +1 832 765 1711
 [E-Mail] manny.m.cortez@p66.com ; [LinkedIn] manny-cortez-304b9218

Project Manager Phillips 66
 PO Box 4428
 Houston, Texas 77210
 U.S.A.

David Bevill
 Project Manager
 [Tel.] +1 281 293 6600
 [E-Mail] david.f.bevill@p66.com

G/C Holloman Corporation
 333 North Sam Houston Parkway East Suite 600
 Houston, Texas 77060
 U.S.A.

Justin Schwausch
 Project Manager
 [Tel.] +1 281 878 2600
 [E-Mail] justinschwausch@hollomancorp.com (!)

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C MPG Pipeline Contractors LLC
 16770 Imperial Valley, Suite 105
 Houston, Texas 770660
 U.S.A.

Bruce Ainsworth
 Operations Manager
 [Tel.] +1 713 904 1168
 [E-Mail] bainsworth@mpg-plc.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Gray Oak Pipeline LLC (subsidiary of Phillips 66 - 75% Owner) and Marathon Petroleum Company (formerly Andeavor - 25% Owner) awards Holloman Corporation (Spread 1), Pumpco (Spread 2) and MPG Contractors (Spread 3) and continues with Construction for a Grassroot Crude Oil Pipeline. DETAILS: As part of the 850 Mile Gray Oak Pipeline Project, Dig trenches and lay approximately 850 miles of 36" and 42" diameter transmission pipeline to transport up to 900,000 BBL/d (expandable to 1MM BBL/d) of crude oil from origination points in the Permian Basin near Orla, Wink, and Crane, TX to the Eagle Ford Shale area near Corpus Christi, Sweeny, and Freeport, TX. REQUIRES: Trenching, Excavation, 36" and 42" Diameter Transmission Pipe, SCADA, Coatings, Custody Transfers, Pig Launching & Receiving, Block/Control Valves, Piping, MCC, HDD, Road/River Crossings, Metering, Utilities and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Gray Oak Pipeline in Conjunction with Holloman, Pumpco and MPG continues with Construction Activities and continues to release remaining Equipment RFQ's and Sub Contractor Bid Documents through 3Q19 (Aug). Construction Commenced 4Q18 (Oct). Expected Project Completion 2Q20 (May).

Project Milestones	AFE 201808		Sub Bid Doc 201809		Completion 27-Apr-2020	Precision MONTH
	Long-Lead 201807	Equip RFQ 201809	Kick-Off 201810	Kickoff Slippage 3 Months	Duration 19 Months	
Engineering Contracting	Electrical	Environmental	Instrumentation	Mechanical	Structural	
Project Key Needs	Civil/Site					
	Instrumentation	Electrical	Mechanical		NDE	
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves		

Matter Phase

Liquid

Energy

Buy Electricity

Sell

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Scott Gilmore	[Phn.] +1 806 318 9268	Apr-2023
Operations Superintendent	scott.gilmore@p66.com	No	
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-cortez-304b9218
Environmental Manager	David 'Clint' Gill	[Phn.] +1 281 293 6600	Apr-2023
EHS Manager		No	Duplicate ID
Safety Manager	David 'Clint' Gill	[Phn.] +1 281 293 6600	Apr-2023
EHS Manager		No	Duplicate ID
Utilities Manager	Scott Gilmore	[Phn.] +1 806 318 9268	Apr-2023
Operations Superintendent	scott.gilmore@p66.com	No	
Human Resource Manager	Sonya Reed	[Phn.] +1 281 293 6600	Apr-2023
SVP Human Resources		No	sonya-reed-b051144

Historical Reports

Project Name	Report Date	TIV	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)
ORLA GRASSROOT GRAY OAK CRUDE OIL PIPELINE	16-Apr-2020	1,500,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT GRAY OAK CRUDE OIL PIPELINE	14-May-2020	1,500,000,000 USD	Completion/Start-Up (C1 - 41)

Project Name ORLA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals **Project Type** Grassroot
TIV (USD) 15,000,000
SIC Code 5171 Petroleum Bulk Stations & Terminals **Sector** Crude Oil Storage
SIC Product 5171*0003 Crude Petroleum Storage
Market Trends Impacted by COVID-19
Status Complete / Done **Last Update** 11-May-2020 **Initial Release** 10-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Unio



Project Capacity **Planned** 100,000 BBL of Crude Oil Storage

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Orla EPIC Crude Oil and Condensate Terminal **Unit Name**
Plant ID 3238599
Location North of Orla **Phone** +1 210 569 6696
City/State Orla, Texas 79770 U.S.A. **Zone/Country** TX*06, Reeves

Project Responsibility Project Company

Project Manager EPIC Midstream Holdings, LP **Project Contact** Grant Terry
 18615 Tuscany Stone, Suite 300 **Project Engineer - Pipeline**
 San Antonio, Texas 78258 **[Tel.] +1 210 495 5577**
 U.S.A. **[E-Mail] ; [LinkedIn] grant-terry-35974311a**

Project Executive EPIC Midstream Holdings, LP Justin Gordon
 18615 Tuscany Stone, Suite 275 Vice President Engineering & Operations
 San Antonio, Texas 78258 **[Tel.] +1 210 569 6696**
 U.S.A. **[E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241**

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@texstarlogistics.com**

G/C MPG Pipeline Contractors LLC Bruce Ainsworth
 16770 Imperial Valley, Suite 105 Operations Manager
 Houston, Texas 770660 **[Tel.] +1 713 904 1168 x9910**
 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 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 tanks 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). REQUIREES: Site Preparation, Foundations, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, 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 Bid Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in Startup due to COVID19.

Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Long-Lead 201809	Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Months
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			Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	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-85aa0697
Maintenance Manager	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-85aa0697
Purchasing Manager	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-85aa0697
Engineering Manager	Normand 'Norm' Racicot	[Phn.] +1 361 542 0079	May-2023
Terminal Operations Manager	normand.racicot@epicmid.com	No	norm-racicot-85aa0697
Environmental Manager	Juan Tascon	[Phn.] +1 210 920 2255	May-2023
	juan.tascon@epicmid.com	No	juan-ramon-tascon-36886a27
Safety Manager	Juan Tascon	[Phn.] +1 210 495 5577	May-2023
DCS Technician	juan.tascon@epicmid.com	No	juan-ramon-tascon-36886a27
Utilities Manager	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-85aa0697
Human Resource Manager	Jessica Roy	[Phn.] +1 210 569 6696	May-2023
Executive Assistant	jessica.roy@epicmid.com	No	jessica-roy-21487244

Historical Reports

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



Project Name CRANE GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals **Project Type** Grassroot
TIV (USD) 15,000,000
SIC Code 5171 Petroleum Bulk Stations & Terminals **Sector** Crude Oil Storage
SIC Product 5171*0003 Crude Petroleum Storage
Market Trends Impacted by COVID-19
Status Complete / Done **Last Update** 11-May-2020 **Initial Release** 10-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Unio



Project Capacity **Planned** 100,000 BBL of Crude Oil Storage

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Crane EPIC Crude Oil & Condensate Terminal **Unit Name**
Plant ID 3238598
Location 1855 Dump Ground Road **Phone** +1 210 569 6696
City/State Crane, Texas 79731 U.S.A. **Zone/County** TX*06, Crane

Project Responsibility Project Company

Project Manager	EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.	Project Contact Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 [E-Mail] ; [LinkedIn] grant-terry-35974311a
Project Executive	EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 569 6696 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241
Project Executive	EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Phillip Mezey Chief Executive Officer [Tel.] +1 210 569 6696 [E-Mail] phil.mezey@texstarlogistics.com
G/C	MPG Pipeline Contractors LLC 16770 Imperial Valley, Suite 105 Houston, Texas 770660 U.S.A.	Bruce Ainsworth Operations Manager [Tel.] +1 713 904 1168 x9910 [E-Mail] bainsworth@mpg-plc.com
G/C	Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [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 aboveground storage tanks 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, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, 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 Bid Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in start up due to COVID19.

Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
	Long-Lead 201809	Equip RFQ 201812	Kickoff Slippage 9 Months	Duration 18 Months
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			Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts			
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)



Project Name MIDLAND GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals **Project Type** Grassroot
TIV (USD) 15,000,000
SIC Code 5171 Petroleum Bulk Stations & Terminals **Sector** Crude Oil Storage
SIC Product 5171*0003 Crude Petroleum Storage
Market Trends Impacted by COVID-19
Status Complete / Done **Last Update** 11-May-2020 **Initial Release** 10-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Unio



Project Capacity **Planned** 100,000 BBL of Crude Oil Storage

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Upton Crude & Condensate Terminal **Unit Name**
Plant ID 3238597
Location 2354 E Farm to Market 2401 **Phone** +1 210 569 6696
City/State Midkiff, Texas 79755 U.S.A. **Zone/County** TX*06, Upton

Project Responsibility Project Company

Project Manager EPIC Midstream Holdings, LP **Project Contact** Grant Terry
 18615 Tuscany Stone, Suite 300 **Project Engineer - Pipeline**
 San Antonio, Texas 78258 **[Tel.] +1 210 495 5577**
 U.S.A. **[E-Mail] ; [LinkedIn] grant-terry-35974311a**

Project Executive EPIC Midstream Holdings, LP Justin Gordon
 18615 Tuscany Stone, Suite 275 Vice President Engineering & Operations
 San Antonio, Texas 78258 **[Tel.] +1 210 569 6696**
 U.S.A. **[E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241**

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@texstarlogistics.com**

G/C MPG Pipeline Contractors LLC Bruce Ainsworth
 16770 Imperial Valley, Suite 105 Operations Manager
 Houston, Texas 770660 **[Tel.] +1 713 904 1168 x9910**
 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 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 tanks 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). REQUIREES: Site Preparation, Foundations, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, 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 Bid Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in Startup due to COVID19.

Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Long-Lead 201809	Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Months
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			Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Matt Warren	[Phn.] +1 210 620 4593	May-2023
WTX Senior Operations Manager Crude, NGL		No	
Maintenance Manager	Cliff Self	[Phn.] +1 210 569 6696	May-2023
Pipeline Operations Manager		No	cliff-self-9571681b8
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	May-2023
	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	Brad Baker	[Phn.] +1 210 920 2255 / [Alt.] +1 210 784 7386	May-2023
Director of Technical Services	brad.k.baker@epicmid.com	No	brad-baker-3124621a
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	May-2023
Pipeline Operations Manager		No	cliff-self-9571681b8
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340	May-2023
		No	annagorshkovasmith

Historical Reports

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



Project Name COOKS POINT GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIVIN
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals
TIV (USD) 15,000,000
SIC Code 5171 Petroleum Bulk Stations & Terminals
SIC Product 5171*0003 Crude Petroleum Storage
Market Trends Impacted by COVID-19
Status Complete / Done
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Crude Oil Storage



Last Update 11-May-2020 **Initial Release** 10-Mar-2017

Construction Labor Preference Unconfirmed

Operations Labor Preference Union, Non-Unio

Project Capacity **Planned** 100,000 BBL of Crude Oil Storage

Plant Owner EPIC Midstream Holdings, LP

Plant Parent EPIC Midstream Holdings, LP

Plant Name Cooks Point Crude Oil & Condensate Terminal

Unit Name

Plant ID 3238584

Location FM 1362 South of Cooks Point

Phone +1 210 495 5577

City/State Cooks Point, Texas 77836 U.S.A.

Zone/Country TX*03, Burseson

Project Responsibility Project Company

Project Contact

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 300
 San Antonio, Texas 78258
 U.S.A.

Grant Terry
Project Engineer - Pipeline
[Tel.] +1 210 495 5577
[E-Mail] ; [LinkedIn] grant-terry-35974311a

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Justin Gordon
 Vice President Engineering & Operations
[Tel.] +1 210 569 6696
[E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Phillip Mezey
 Chief Executive Officer
[Tel.] +1 210 569 6696
[E-Mail] phil.mezey@texstarlogistics.com

G/C MPG Pipeline Contractors LLC
 16770 Imperial Valley, Suite 105
 Houston, Texas 770660
 U.S.A.

Bruce Ainsworth
 Operations Manager
[Tel.] +1 713 904 1168 x9910
[E-Mail] bainsworth@mpg-plc.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Robert Mares
 Field Superintendent
[Tel.] +1 979 542 9054
[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) continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal. DETAILS: Construct (2) 50,000 BBL aboveground storage tanks 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, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, Vapor Recovery; (L) Containment, Liners, Dikes.

Schedule EPIC Midstream with MPG Pipeline Contractors continues Construction for a Grassroot Crude Oil and Condensate Receipt Terminal and releases remaining Equipment RFQ's plus Sub Contractor Bid Documents 4Q18 (Dec). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in Start up due to COVID19.

Project Milestones	AFE 201810		Sub Bid Doc 201812		Completion 11-May-2020		Precision MONTH	
	Long-Lead 201809	Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Months			
Engineering Civil	Electrical	Environmental	Instrumentation	Mechanical	Structural			
Contracting Civil	Electrical	Environmental	Instrumentation	Mechanical	Structural General [G/C]			
Project Key Needs Civil/Site	Structural							
Instrumentation	Electrical	Mechanical			NDE			
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves	Pumps			
Communications					Transportation			
Matter Phase Energy	Liquid							

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)



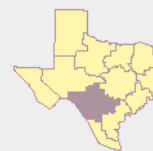
Project Name HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals	Project Type Grassroot
TIV (USD) 50,000,000	
SIC Code 5171 Petroleum Bulk Stations & Terminals	Sector Crude Oil Storage
SIC Product 5171*0003 Crude Petroleum Storage	
Market Trends Impacted by COVID-19	
Status Complete / Done	Last Update 11-May-2020
	Initial Release 10-Mar-2017
Environmental Air (A) Land (L)	Construction Labor Preference Unconfirmed
	Operations Labor Preference Union, Non-Unio
Project Capacity	Planned 100,000 BBL of Crude Oil Storage



Plant Owner EPIC Midstream Holdings, LP	Plant Parent EPIC Midstream Holdings, LP
Plant Name Helena Crude Oil & Condensate Terminal	Unit Name
Plant ID 3238594	
Location Route 81 Southeast of Helena	Phone +1 210 569 6696
City/State Helena, Texas 78830 U.S.A.	Zone/Country TX*09, Karnes

Project Responsibility Project Company

Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.	Project Contact Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 [E-Mail] ; [LinkedIn] grant-terry-35974311a
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 495 5577 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Phillip Mezey Chief Executive Officer [Tel.] +1 210 495 5577 [E-Mail] phil.mezey@texstarlogistics.com
G/C MPG Pipeline Contractors LLC 16770 Imperial Valley, Suite 105 Houston, Texas 770660 U.S.A.	Bruce Ainsworth Operations Manager [Tel.] +1 713 904 1168 x9910 [E-Mail] bainsworth@mpg-plc.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [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 tanks 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, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, 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 Bid Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in startup due to COVID19.

Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
	Long-Lead 201810	Equip RFQ 201812	Kickoff Slippage 9 Months	Duration 18 Months
Engineering				
Contracting	Electrical	Environmental	Instrumentation Mechanical	Structural
Project Key Needs	Civil/Site	Structural	Control Room	
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Pumps
	Communications			Transportation
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Robert McQuarrie	[Phn.] +1 210 425 4871 / [Alt.] +1 830 203 9806	Apr-2023
STX Terminal Operations Manager	robert.mcquarrie@epicmid.com	No	robert-mcquarrie-527031a7
Maintenance Manager	Robert McQuarrie	[Phn.] +1 210 425 4871 / [Alt.] +1 830 203 9806	Apr-2023
STX Terminal Operations Manager	robert.mcquarrie@epicmid.com	No	robert-mcquarrie-527031a7
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Apr-2023
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	Brad Baker	[Phn.] +1 210 495 5577 / [Alt.] +1 210 784 7386	Apr-2023
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a
Environmental Manager	William Crochet	[Phn.] +1 210 920 2255	Apr-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Safety Manager	William Crochet	[Phn.] +1 210 920 2255	Apr-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-50a25b146
Utilities Manager	Robert McQuarrie	[Phn.] +1 210 425 4871 / [Alt.] +1 830 203 9806	Apr-2023
STX Terminal Operations Manager	robert.mcquarrie@epicmid.com	No	robert-mcquarrie-527031a7
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	Apr-2023
		No	annagorshkovasmith

Historical Reports			
Project Name	Report Date	TIV	Phase
BIG WELLS GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	10-Mar-2017	50,000,000 USD	Project Justification (P1 - 16)
BIG WELLS GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	23-Jan-2018	50,000,000 USD	Project Justification (P1 - 16)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	13-Jul-2018	50,000,000 USD	Permitting (P2 - 18)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	06-Dec-2018	50,000,000 USD	Permitting (P2 - 18)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	14-Dec-2018	50,000,000 USD	Construction - Merit Shop (C1 - 36)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	30-Jul-2019	50,000,000 USD	Construction - Merit Shop (C1 - 36)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	13-Aug-2019	50,000,000 USD	Construction - Merit Shop (C1 - 36)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	15-Jan-2020	50,000,000 USD	Construction - Merit Shop (C1 - 36)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	13-Feb-2020	50,000,000 USD	Construction - Merit Shop (C1 - 36)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	04-Mar-2020	50,000,000 USD	Final Commissioning (C1 - 40)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	06-Apr-2020	50,000,000 USD	Final Commissioning (C1 - 40)
HELENA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	11-May-2020	50,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TE
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals	Project Type Grassroot
TIV (USD) 15,000,000	
SIC Code 5171 Petroleum Bulk Stations & Terminals	Sector Crude Oil Storage
SIC Product 5171*0003 Crude Petroleum Storage	
Market Trends Impacted by COVID-19	
Status Complete / Done	Last Update 11-May-2020 Initial Release 10-Mar-2017
Environmental Air (A) Land (L)	Construction Labor Preference Non-Union
	Operations Labor Preference Union, Non-Unio
Project Capacity	Planned 100,000 BBL of Crude Oil Storage



Plant Owner EPIC Midstream Holdings, LP	Plant Parent EPIC Midstream Holdings, LP
Plant Name Saragosa EPIC Crude Oil and Condensate Terminal	Unit Name
Plant ID 3238601	
Location Southeast of Saragosa	Phone +1 210 569 6696
City/State Saragosa, Texas 79772 U.S.A.	Zone/County TX*06, Reeves

Project Responsibility Project Company

Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.	Project Contact Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 [E-Mail] ; [LinkedIn] grant-terry-35974311a
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 495 5577 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Phillip Mezey Chief Executive Officer [Tel.] +1 210 495 5577 [E-Mail] phil.mezey@texstarlogistics.com
G/C MPG Pipeline Contractors LLC 16770 Imperial Valley, Suite 105 Houston, Texas 770660 U.S.A.	Bruce Ainsworth Operations Manager [Tel.] +1 713 904 1168 x9910 [E-Mail] bainsworth@mpg-plc.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [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 tanks 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, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, 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 Bid Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in startup due to COVID19.

Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
	Long-Lead 201809	Equip RFQ 201812	Kickoff Slippage 9 Months	Duration 18 Months
Engineering				
Contracting	Electrical	Environmental	Instrumentation Mechanical	Structural
Project Key Needs	Civil/Site	Structural	Control Room	
	Instrumentation	Electrical	Mechanical	Storage
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			NDE
				Pumps
				Transportation
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	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-85aa0697
Maintenance Manager	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-85aa0697
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	May-2023
	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	Derek Jones	[Phn.] +1 912 236 1579	May-2022
Environmental Health and Safety Coordinator	derekjones@imtt.com	No	derekarthurjones
Safety Manager	Derek Jones	[Phn.] +1 912 236 1579	May-2022
Environmental Health and Safety Coordinator	derekjones@imtt.com	No	derekarthurjones
Utilities Manager	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-85aa0697
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340	May-2023
		No	annagorshkovasmith

Historical Reports			
Project Name	Report Date	TIV	Phase
PECOS GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	10-Mar-2017	50,000,000 USD	Project Justification (P1 - 16)
PECOS GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	23-Jan-2018	50,000,000 USD	Project Justification (P1 - 16)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	13-Jul-2018	50,000,000 USD	Permitting (P2 - 18)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	06-Dec-2018	50,000,000 USD	Permitting (P2 - 18)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	14-Dec-2018	50,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	30-Jul-2019	50,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	02-Oct-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	15-Jan-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	13-Feb-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	04-Mar-2020	15,000,000 USD	Final Commissioning (C1 - 40)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	06-Apr-2020	15,000,000 USD	Final Commissioning (C1 - 40)
SARAGOSA GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	11-May-2020	15,000,000 USD	Completion/Start-Up (C1 - 41)



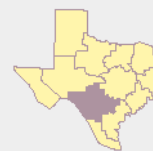
Project Name GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 02 Terminals **Project Type** Grassroot
TIV (USD) 15,000,000
SIC Code 5171 Petroleum Bulk Stations & Terminals **Sector** Crude Oil Storage
SIC Product 5171*0003 Crude Petroleum Storage
Market Trends Impacted by COVID-19
Status Complete / Done **Last Update** 11-May-2020 **Initial Release** 10-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Unio



Project Capacity **Planned** 100,000 BBL of Crude Oil Storage

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Gardendale Crude Oil & Condensate Terminal **Unit Name**
Plant ID 3238587
Location I-35 Frontage Road Address **Phone** +1 210 569 6696
City/State Cotulla, Texas 78014 U.S.A. **Zone/County** TX*09, La Salle

Project Responsibility Project Company

Project Manager	Project Contact
EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.	Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 [E-Mail] ; [LinkedIn] grant-terry-35974311a
EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 495 5577 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241
EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Phillip Mezey Chief Executive Officer [Tel.] +1 210 495 5577 [E-Mail] phil.mezey@texstarlogistics.com
G/C MPG Pipeline Contractors LLC 16770 Imperial Valley, Suite 105 Houston, Texas 770660 U.S.A.	Bruce Ainsworth Operations Manager [Tel.] +1 713 904 1168 x9910 [E-Mail] bainsworth@mpg-plc.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [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 tanks 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, Tank Pads, Plate Steel, Pipe Racks, Control Valves, Headers, Metering, Truck Unloading, Coatings, Painting, Electrical Utilities, Pumps, Motors, Fire Protection, MCC Modifications plus Controls. ENVIRONMENTAL: (A) Leak Detection, Flare Tie-Ins, 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 Bid Documents 4Q18 (Dec) - 4Q19 (Oct). Construction Commenced 4Q18 (Dec). Expected Project Completion 2Q20 (May).

Details Apr-2020 Minor delay in startup due to COVID19.

Project Milestones	AFE 201812	Sub Bid Doc 201812	Completion 11-May-2020	Precision MONTH
Long-Lead 201809	Equip RFQ 201812	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 18 Months
Engineering Contracting	Electrical	Environmental	Instrumentation Mechanical	Structural
Project Key Needs	Civil/Site	Structural		
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Pumps
				Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn 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-85aa0697
Maintenance 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-85aa0697
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Apr-2023
Procurement Manager	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	Brad Baker	[Phn.] +1 210 784 7386	Apr-2023
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a
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-85aa0697
Safety 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-85aa0697
Utilities 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-85aa0697
Human Resource Manager	Jessica Roy	[Phn.] +1 210 569 6696	Apr-2023
Executive Assistant	jessica.roy@epicmid.com	No	jessica-roy-21487244

Historical Reports			
Project Name	Report Date	TIV	Phase
CATARINA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	10-Mar-2017	50,000,000 USD	Project Justification (P1 - 16)
CATARINA GRASSROOT EPIC CRUDE OIL AND CONDENSATE TERMINAL	23-Jan-2018	50,000,000 USD	Project Justification (P1 - 16)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	13-Jul-2018	50,000,000 USD	Permitting (P2 - 18)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	06-Dec-2018	50,000,000 USD	Permitting (P2 - 18)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	14-Dec-2018	50,000,000 USD	Construction - Merit Shop (C1 - 36)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	30-Jul-2019	50,000,000 USD	Construction - Merit Shop (C1 - 36)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	13-Aug-2019	15,000,000 USD	Construction - Merit Shop (C1 - 36)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	15-Jan-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	13-Feb-2020	15,000,000 USD	Construction - Merit Shop (C1 - 36)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	04-Mar-2020	15,000,000 USD	Final Commissioning (C1 - 40)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	06-Apr-2020	15,000,000 USD	Final Commissioning (C1 - 40)
GARDENDALE GRASSROOT EPIC CRUDE OIL AND CONDENSATE RECEIPT TERMINAL	11-May-2020	15,000,000 USD	Completion/Start-Up (C1 - 41)

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Project Name DIVOT GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

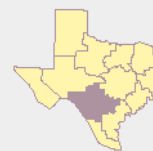
[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Market Trends Impacted by COVID-19
Status Complete / Done
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Crude Pipelines



Last Update 23-Apr-2020 **Initial Release** 15-Mar-2017
Construction Labor Preference Unconfirmed
Operations Labor Preference Union, Non-Union

Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner Epic Consolidated Operations LLC
Plant Name EPIC Gardendale Crude Oil Pump Station
Plant ID 3238426
Location I-35 Frontage Road
City/State Cotulla, Texas 78014 U.S.A.

Plant Parent EPIC Midstream Holdings, LP
Unit Name Divot 01 EM Divot 02 EM
Phone +1 210 920 2255
Zone/County TX*09, La Salle

Project Responsibility Project Company

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 300
 San Antonio, Texas 78258
 U.S.A.

Project Contact

Justin Gordon
 Vice President Engineering & Operations
 [Tel.] +1 210 495 5577
 [E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 300
 San Antonio, Texas 78258
 U.S.A.

Grant Terry
 Project Engineer - Pipeline
 [Tel.] +1 210 495 5577
 [E-Mail] ; [LinkedIn] grant-terry-35974311a

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 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 Epic Midstream awards Pumpco (G/C) and continues with Construction for a Grassroot Crude Oil Pump Station. DETAILS: Construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Pilings, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream in conjunction with Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Documents through 1Q20 (Jan). Construction Commenced 4Q19 (Dec). Expected Project Completion 1Q20 (Feb).

Details Apr-2020 Startup is delayed due to COVID-19.

Project Milestones

Long-Lead 201810 **AFE** 201910 **Sub Bid Doc** 202001 **Completion** 28-Feb-2020 **Precision** MONTH
Equip RFQ 201912 **Kick-Off** 201912 **Kickoff Slippage** 21 Months **Duration** 3 Months

Engineering
Contracting Electrical Environmental Instrumentation Mechanical
Project Key Needs Structural
 Instrumentation Electrical Mechanical NDE
 Piping/Fittings Insulation/Coatings Environmental Utilities Valves Pumps
 Communications Transportation

Matter Phase Liquid

Energy

Buy Electricity
Sell

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Matt Warren	[Phn.] +1 210 620 4593	May-2023
Senior Operations Manager		No	
Maintenance Manager	Cliff Self	[Phn.] +1 210 569 6696	May-2023
Pipeline Operations Manager		No	cliff-self-9571681b8
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	May-2023
	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615

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	TIV	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)

Project Name GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 350,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0001 Crude Oil Pipelines
Status Complete / Done **Last Update** 23-Apr-2020 **Initial Release** 10-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Non-Union
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 200,000 BBL/d of Crude Oil

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	235	Miles (mi)	16	Inches (in)

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Girvin EPIC Crude Oil Pump Station **Unit Name**
Plant ID 3238216
Location Northwest of Girvin **Phone** +1 210 569 6696
City/State Girvin, Texas 79740 U.S.A. **Zone/County** TX*06, Pecos

Project Responsibility Project Company

Project Contact

Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.	Project Contact Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 [E-Mail] ; [LinkedIn] grant-terry-35974311a
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Project Contact Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 569 6696 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241
Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.	Project Contact Phillip Mezey Chief Executive Officer [Tel.] +1 210 569 6696 [E-Mail] phil.mezey@texstarlogistics.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Project Contact Robert Mares Field Superintendent [Tel.] +1 979 542 9054 [E-Mail] robert.mares@pumpco.cc

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope EPIC Midstream awards Pumpco Incorporated (G/C) and continues with Construction for a Grassroot Crude Oil Pipeline. DETAILS: Construct 235 miles of 30" diameter crude oil transmission pipe (Spreads 1 & 3) to transport 600,000 BBL/d (expandable to 900,000 BBL/d) Permian Basin and Eagle Ford Shale crude oil from origin points in Orla, Saragosa, Crane and Midland, TX to Gardendale, TX as well as from Cook's Point and Helena, TX for transport on to Robstown near Corpus Christi, TX. REQUIRES: Excavation, Trenching, Transmission Pipe, SCADA, Block & Control Valves, Cathodic Protection, Coatings, Pig Launching, Piping, Metering, Utilities, and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream in Conjunction with Pumpco continues with Construction and releases remaining Equipment RFQ's and Subcontractor Bid Packages 4Q18 (Oct) through 2Q19 (Apr). Construction Commenced 4Q18 (Oct). Scheduled Project Completion 1Q20 (Feb).

Project Milestones	AFE 201809	Sub Bid Doc 201904	Completion 28-Feb-2020	Precision MONTH
Long-Lead 201810	Equip RFQ 201810	Kick-Off 201810	Kickoff Slippage 7 Months	Duration 17 Months
Engineering	Electrical	Environmental	Instrumentation Mechanical	Structural
Contracting				
Project Key Needs	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Transportation
Matter Phase	Material Handling			
	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
-------------------------	---------------------	-------------------	---------------------

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-95b642b3
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.] +1 210 920 2255	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	Brad Baker	[Phn.] +1 210 495 5577 / [Alt.] +1 210 784 7386	May-2023
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	May-2023
		No	annagorshkovasmith

Historical Reports

Project Name	Report Date	TIV	Phase
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE	10-Mar-2017	750,000,000 USD	Project Justification (P1 - 16)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE	28-Jun-2017	750,000,000 USD	Permitting (P2 - 18)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE	23-Jan-2018	750,000,000 USD	Permitting (P2 - 18)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	15-Mar-2018	350,000,000 USD	Detailed Engineering (E2 - 31)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	27-Jun-2018	350,000,000 USD	Purchasing (E2 - 21)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	26-Oct-2018	350,000,000 USD	Construction - Merit Shop (C1 - 36)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	10-Dec-2018	350,000,000 USD	Construction - Merit Shop (C1 - 36)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	21-Nov-2019	350,000,000 USD	Construction - Merit Shop (C1 - 36)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	15-Jan-2020	350,000,000 USD	Construction - Merit Shop (C1 - 36)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	13-Feb-2020	350,000,000 USD	Construction - Merit Shop (C1 - 36)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	04-Mar-2020	350,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	07-Apr-2020	350,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	13-Apr-2020	350,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE (SPREAD 1 & 3)	23-Apr-2020	350,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name ORANGE GROVE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Status Complete / Done **Last Update** 23-Apr-2020 **Initial Release** 15-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Non-Union
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Orange Grove EPIC Crude Oil Pump Station **Unit Name** Orange Grove 01 EM Orange Grove 02 EM
Plant ID 3238573
Location East of Orange Grove **Phone** +1 210 920 2255
City/State Orange Grove, Texas 78372 **Zone/Country** TX*05, Jim Wells
 U.S.A.

Project Responsibility Project Company

Project Contact

<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.</p>	<p>Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 495 5577 [E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 300 San Antonio, Texas 78258 U.S.A.</p>	<p>Grant Terry Project Engineer - Pipeline [Tel.] +1 210 495 5577 [E-Mail] ; [LinkedIn] grant-terry-35974311a</p>
<p>G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.</p>	<p>Derek Kieschnick Project Estimator [Tel.] +1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc</p>

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Epic Midstream awards Pumpco (G/C) and continues with Construction for a Grassroot Crude Oil Pump Station. DETAILS: Construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Pilings, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream in conjunction with Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Documents through 1Q20 (Jan). Construction Commenced 4Q19 (Dec). Expected Project Completion 1Q20 (Feb).

Details Apr-2020 No Current Impact.

Project Milestones	AFE 201910	Sub Bid Doc 202001	Completion 28-Feb-2020	Precision MONTH
	Long-Lead 201810	Equip RFQ 201912	Kick-Off 201912	Kickoff Slippage 21 Months
Engineering Contracting	Electrical	Environmental	Mechanical	Duration 3 Months
Project Key Needs	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Pumps
	Communications		Valves	Transportation
Matter Phase	Liquid			
Energy				
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	Apr-2023
VP Operations		No	
Maintenance Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Apr-2023
	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	Joshua Sanchez	[Phn.] +1 713 395 6340	Apr-2023

Process Engineer		No	joshuaasanchez
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-95b642b3
Human Resource Manager	Anya Smith	[Phn.] +1 713 395 6340	Apr-2023
		No	annagorshkovasmith

Historical Reports

Project Name	Report Date	TIV	Phase
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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Project Name LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Market Trends Impacted by COVID-19
Status Complete / Done
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Crude Pipelines



Last Update 23-Apr-2020 **Initial Release** 15-Mar-2017
Construction Labor Preference Unconfirmed
Operations Labor Preference Union, Non-Unio

Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP
Plant Name EPIC Crude Oil Pump Station
Plant ID 3238425
Location South of La Pryor
City/State Sonora, Texas 78872 U.S.A.

Plant Parent EPIC Midstream Holdings, LP
Unit Name La Pryor 01 EM La Pryor 02 EM
Phone +1 210 569 6696
Zone/County TX*06, Sutton

Project Responsibility Project Company

Project Contact

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Brad Baker
 Project Manager - Facilities
 [Tel.] +1 210 569 6696 x317
 [E-Mail] brad.k.baker@epicmid.com ; [LinkedIn] brad-baker-3124621a

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Grant Terry
 Project Engineer
 [Tel.] +1 210 569 6696
 [E-Mail] grant.terry@texstarlogistics.com ; [LinkedIn] grant-terry-35974311a

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Justin Gordon
 Vice President Engineering & Operations
 [Tel.] +1 210 569 6696
 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Phillip Mezey
 Chief Executive Officer
 [Tel.] +1 210 569 6696
 [E-Mail] phil.mezey@texstarlogistics.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 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 EPIC Midstream Holdings with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. DETAILS: As part of Phase 1 of EPIC Crude Pipeline Facilities Construction, construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Piling, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream Holdings with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. EPIC with Pumpco (G/C) releases remaining Equipment RFQ's and Subcontractor Bid Documents through 4Q19 (Dec). Construction Commenced 1Q19 (Mar). Expected Project Completion 1Q20 (Feb).

Details Apr-2020 Startup is delayed due to COVID-19.

Project Milestones	AFE 201808		Sub Bid Doc 201903		Completion 28-Feb-2020		Precision MONTH	
	Long-Lead 201810	Equip RFQ 201903	Kick-Off 201903	Kick-Off Slippage 12 Months	Duration 12 Months			
Engineering								
Contracting	Electrical	Environmental		Instrumentation	Mechanical	Structural		
Project Key Needs	Civil/Site	Structural						
	Instrumentation	Electrical	Mechanical		NDE			
	Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves	Pumps		
	Communications					Transportation		
Matter Phase	Liquid							
Energy								
Buy	Electricity							
Sell								

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Cody Ward	[Phn.] +1 210 920 2255	May-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Maintenance Manager	Cody Ward	[Phn.] +1 210 920 2255	May-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Purchasing Manager	Cody Ward	[Phn.] +1 210 920 2255	May-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Engineering Manager	Brad Baker	[Phn.] +1 210 495 5577 / [Alt.] +1 210 784 7386	May-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	May-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Utilities Manager	Cody Ward	[Phn.] +1 210 920 2255	May-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Human Resource Manager	Jessica Roy	[Phn.] +1 210 569 6696	May-2023
Executive Assistant	jessica.roy@epicmid.com	No	jessica-roy-21487244

Historical Reports

Project Name	Report Date	TIV	Phase
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)
LA PRYOR GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	14-Aug-2018	40,000,000 USD	Purchasing (E2 - 21)
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)



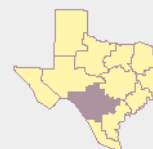
Project Name DEL RIO GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Status Complete / Done **Last Update** 23-Apr-2020 **Initial Release** 15-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Del Rio EPIC Crude Oil Pump Station **Unit Name** Del Rio 01 EM Del Rio 02 EM
Plant ID 3238231
Location West of Route 277 **Phone** +1 210 569 6696
City/State Del Rio, Texas 78840 U.S.A. **Zone/County** TX*09, Val Verde

Project Responsibility Project Company

Project Contact

<p>Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Brad Baker Project Manager - Facilities [Tel.] +1 210 920 2255 x317 [E-Mail] brad.k.baker@epicmid.com ; [LinkedIn] brad-baker-3124621a</p>
<p>Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Grant Terry Project Engineer [Tel.] +1 210 569 6696 [E-Mail] grant.terry@texstarlogistics.com ; [LinkedIn] grant-terry-35974311a</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 569 6696 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Phillip Mezey Chief Executive Officer [Tel.] +1 210 569 6696 [E-Mail] phil.mezey@texstarlogistics.com</p>
<p>G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.</p>	<p>Derek Kieschnick Project Estimator [Tel.] +1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc</p>

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope EPIC Midstream Holdings with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. DETAILS: As part of Phase 1 of EPIC Crude Pipeline Facilities Construction, construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Pilings, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream Holdings with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. EPIC with Pumpco (G/C) releases remaining Equipment RFQ's and Subcontractor Bid Documents through 4Q19 (Dec). Construction Commenced 1Q19 (Mar). Expected Project Completion 1Q20 (Feb).

Project Milestones	Long-Lead 201810	AFE 201808	Sub Bid Doc 201903	Completion 28-Feb-2020	Precision MONTH
	Equip RFQ 201903	Kick-Off 201903	Kickoff Slippage 12 Months	Duration 12 Months	
Engineering					
Contracting	Electrical	Environmental	Instrumentation	Mechanical	Structural
Project Key Needs	Civil/Site	Structural			
	Instrumentation	Electrical	Mechanical	NDE	
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Pumps	
	Communications			Transportation	
Matter Phase	Liquid				
Energy					
Buy	Electricity				
Sell					

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
-------------------------	---------------------	-------------------	---------------------

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

Historical 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)



Project Name GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Status Complete / Done **Last Update** 23-Apr-2020 **Initial Release** 15-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Union, Non-Union
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 600,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Girvin EPIC Crude Oil Pump Station **Unit Name** Girvin 01 EM Girvin 02 EM
Plant ID 3238216
Location Northwest of Girvin **Phone** +1 210 569 6696
City/State Girvin, Texas 79740 U.S.A. **Zone/County** TX*06, Pecos

Project Responsibility Project Company

Project Contact

<p>Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Brad Baker Project Manager - Facilities [Tel.] +1 210 920 2255 [E-Mail] brad.k.baker@epicmid.com ; [LinkedIn] brad-baker-3124621a</p>
<p>Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Grant Terry Project Engineer - Pipeline [Tel.] +1 210 569 6696 [E-Mail] ; [LinkedIn] grant-terry-35974311a</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 569 6696 [E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Phillip Mezey Chief Executive Officer [Tel.] +1 210 569 6696 [E-Mail] phil.mezey@epicmid.com</p>
<p>G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.</p>	<p>Derek Kieschnick Project Estimator [Tel.] +1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc</p>

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope EPIC Midstream Holdings with Pumpco (G/C) continues Expediting for a Grassroot Crude Oil Pump Station. DETAILS:As part of Phase 1 of EPIC Crude Pipeline Facilities Construction, construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 600,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Piling, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream Holdings with Pumpco (G/C) continues Expediting through 1Q19 (Jan). EPIC with Pumpco (G/C) releases remaining Equipment RFQ's and Subcontractor Bid Documents 4Q18 (Dec). Scheduled Construction Kick-Off 1Q19 (Mar). Expected Project Completion 1Q20 (Feb).

Project Milestones	Long-Lead 201810	Equip RFQ 201812	Kick-Off 201903	Kickoff Slippage 12 Months	Duration 12 Months
	AFE 201808	Sub Bid Doc 201812	Completion 28-Feb-2020	Precision MONTH	
Engineering	Civil	Electrical	Environmental	Instrumentation	Mechanical
Contracting					Structural General [G/C]
Project Key Needs	Civil/Site	Structural	Control Room		
	Instrumentation	Electrical	Mechanical	Valves	NDE
	Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Pumps
	Communications				Transportation
Matter Phase		Liquid			
Energy					
Buy	Electricity				
Sell					

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
-------------------------	---------------------	-------------------	---------------------

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-95b642b3
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.] +1 210 920 2255	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	Brad Baker	[Phn.] +1 210 495 5577 / [Alt.] +1 210 784 7386	May-2023
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	May-2023
		No	annagorshkovasmith

Historical Reports

Project Name	Report Date	TIV	Phase
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	11-Apr-2018	40,000,000 USD	Economic Evaluation (P1 - 04)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	14-Aug-2018	40,000,000 USD	Purchasing (E2 - 21)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	11-Dec-2018	40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	12-Dec-2019	40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Jan-2020	40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Feb-2020	40,000,000 USD	Expediting (E2 - 33)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	04-Mar-2020	40,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	07-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
GIRVIN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Apr-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)

Project Name TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

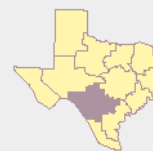
[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Market Trends Impacted by COVID-19
Status Complete / Done
Environmental Air (A) Land (L)

Project Type Grassroot
Sector Crude Pipelines



Last Update 23-Apr-2020 **Initial Release** 15-Mar-2017
Construction Labor Preference Non-Union
Operations Labor Preference Union, Non-Union

Project Capacity **Planned** 590,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP
Plant Name EPIC Crude Oil Pump Station
Plant ID 3238568
Location South of Tilden
City/State Rocksprings, Texas 78072 U.S.A.

Plant Parent EPIC Midstream Holdings, LP
Unit Name Tilden 01 EM Tilden 02 EM
Phone +1 210 569 6696
Zone/County TX*09, Edwards

Project Responsibility Project Company

Project Contact

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Brad Baker
 Project Manager - Facilities
 [Tel.] +1 210 920 2255 x317
 [E-Mail] brad.k.baker@epicmid.com ; [LinkedIn] brad-baker-3124621a

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Grant Terry
 Project Engineer
 [Tel.] +1 210 569 6696
 [E-Mail] grant.terry@texstarlogistics.com ; [LinkedIn] grant-terry-35974311a

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Justin Gordon
 Vice President Engineering & Operations
 [Tel.] +1 210 569 6696
 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 275
 San Antonio, Texas 78258
 U.S.A.

Phillip Mezey
 Chief Executive Officer
 [Tel.] +1 210 569 6696
 [E-Mail] phil.mezey@texstarlogistics.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 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 EPIC Midstream Holdings with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. DETAILS:As part of Phase 1 of EPIC Crude Pipeline Facilities Construction, construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 590,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Piling, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule EPIC Midstream Holdings with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. EPIC with Pumpco (G/C) releases remaining Equipment RFQ's and Subcontractor Bid Documents through 4Q19 (Dec). Construction Commenced 1Q19 (Mar). Expected Project Completion 1Q20 (Feb).

Details Apr-2020 Startup is delayed due to COVID-19.

Project Milestones	AFE 201808	Sub Bid Doc 201903	Completion 28-Feb-2020	Precision MONTH
Long-Lead 201810	Equip RFQ 201903	Kick-Off 201903	Kickoff Slippage 12 Months	Duration 12 Months
Engineering				
Contracting	Electrical	Environmental	Instrumentation Mechanical	Structural
Project Key Needs	Civil/Site	Structural	Control Room	
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Pumps
				Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Maintenance Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Purchasing Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Engineering Manager	Brad Baker	[Phn.] +1 210 920 2255 / [Alt.] +1 210 784 7386	Apr-2023
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a
Environmental Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Safety Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Utilities Manager	Cody Ward	[Phn.] +1 210 920 2255	Apr-2023
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Human Resource Manager	Jessica Roy	[Phn.] +1 210 569 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 PUMP STATION	15-Mar-2017	40,000,000 USD	Project Justification (P1 - 16)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Jan-2018	40,000,000 USD	Project Justification (P1 - 16)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	27-Jun-2018	40,000,000 USD	Permitting (P2 - 18)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	14-Aug-2018	40,000,000 USD	Purchasing (E2 - 21)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	10-Dec-2018	40,000,000 USD	Purchasing (E2 - 21)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	06-Mar-2019	40,000,000 USD	Construction - Merit Shop (C1 - 36)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	15-Jan-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Feb-2020	40,000,000 USD	Construction - Merit Shop (C1 - 36)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	04-Mar-2020	40,000,000 USD	Final Commissioning (C1 - 40)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	07-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	13-Apr-2020	40,000,000 USD	Final Commissioning (C1 - 40)
TILDEN GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION	23-Apr-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)



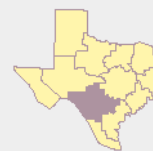
Project Name BRACKETTVILLE GRASSROOT EPIC CRUDE OIL PIPELINE PUMP STATION
Umbrella Project Name EPIC CRUDE OIL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 21

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 40,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0003 Crude Oil Pump Stations
Status Complete / Done **Last Update** 23-Apr-2020 **Initial Release** 15-Mar-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 600,000 BBL/d of Crude Oil

Plant Owner EPIC Midstream Holdings, LP **Plant Parent** EPIC Midstream Holdings, LP
Plant Name Epic Brackettville Crude Oil Pump Station **Unit Name** Brackettville 01 EM Brackettville 02 EM
Plant ID 3238422
Location West of Brackettville **Phone** +1 210 569 6696
City/State Brackettville, Texas 78832 **Zone/County** TX*09, Kinney
 U.S.A.

Project Responsibility Project Company

Project Contact

<p>Project Manager EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Grant Terry Project Engineer [Tel.] +1 210 569 6696 [E-Mail] grant.terry@texstarlogistics.com ; [LinkedIn] grant-terry-3597431a</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Justin Gordon Vice President Engineering & Operations [Tel.] +1 210 569 6696 [E-Mail] justin.gordon@texstarlogistics.com ; [LinkedIn] justin-gordon-2a213241</p>
<p>Project Executive EPIC Midstream Holdings, LP 18615 Tuscany Stone, Suite 275 San Antonio, Texas 78258 U.S.A.</p>	<p>Phillip Mezey Chief Executive Officer [Tel.] +1 210 569 6696 [E-Mail] phil.mezey@texstarlogistics.com</p>
<p>G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.</p>	<p>Derek Kieschnick Project Estimator [Tel.] +1 979 542 9054 [E-Mail] derek.kieschnick@pumpco.cc</p>

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Epic Midstream with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. DETAILS: Construct buildings and install (2) 1,000 hp electric motor-driven pump packages to support the planned 730-mile 600,000 BBL/d EPIC pipeline (Project ID 300340737). REQUIRES: Site Preparation, Foundations, Piling, Pipeline Headers, Manifolds, Buildings, Overhead Cranes, Electric Motor-Driven Pump Packages, Lube Oil System, Control Valves, Block Valves, Gear Boxes, Piping, Metering plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Epic Midstream with Pumpco (G/C) continues Construction for a Grassroot Crude Oil Pump Station. Epic with Pumpco (G/C) releases remaining Equipment RFQ's and Subcontractor Bid Documents through 4Q18 (Dec). Construction Commenced 4Q18 (Dec). Expected Project Completion 1Q20 (Feb).

Project Milestones	AFE 201810		Sub Bid Doc 201811		Completion 28-Feb-2020		Precision MONTH	
	Long-Lead 201810	Equip RFQ 201811	Kick-Off 201812	Kickoff Slippage 9 Months	Duration 15 Months			
Engineering Civil	Electrical	Environmental		Instrumentation	Mechanical	Structural		
Contracting Civil	Electrical	Environmental		Instrumentation	Mechanical	Structural	General [G/C]	
Project Key Needs Civil/Site	Instrumentation	Electrical	Mechanical		NDE			
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves	Pumps			
	Communications				Transportation			
Matter Phase Energy	Liquid							
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	Grover Clifton	[Phn.] +1 210 920 2255	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	23-Apr-2020	40,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name ORLA GRASSROOT EPIC NGL PIPELINE PHASE II
Umbrella Project Name EPIC Y-GRADE NGL PIPELINE

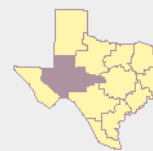
[PEC Activity Diagram](#)

Umbrella Project Count 19

Umbrella Project Summary The Y-Grade Pipeline project will connect 170,000 barrels per day of fractionation capacity at the terminus of the pipeline in Robstown, Texas.

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 360,000,000
SIC Code 4922 Natural Gas Transmission

Project Type Grassroot
Sector Natural Gas Liquids Pipelines



SIC Product 4922*0010 Natural Gas Liquids Pipeline

Status Complete / Done

Last Update 15-Jan-2020

Initial Release 12-Oct-2017

Environmental Air (A) Land (L)

Construction Labor Preference Union, Non-Union

Operations Labor Preference Union, Non-Union

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	128	Miles (mi)	16	Inches (in)

Plant Owner EPIC Midstream Holdings, LP
Plant Name Orla NGL Pump Station
Plant ID 3278237
Location North of Orla
City/State Orla, Texas 79770 U.S.A.

Plant Parent EPIC Midstream Holdings, LP
Unit Name
Phone +1 210 920 2255
Zone/Country TX*06, Reeves

Project Responsibility Project Company

Project Contact

Project Executive EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 180
 San Antonio, Texas 78258
 U.S.A.

Phillip Mezey
 Chief Executive Officer
 [Tel.] +1 210 495 5577
 [E-Mail] phil.mezey@epicmid.com

Project Director EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 180
 San Antonio, Texas 78258
 U.S.A.

Justin Gordon
 Vice President Engineering & Operations
 [Tel.] +1 210 495 5577
 [E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241

Project Manager EPIC Midstream Holdings, LP
 18615 Tuscany Stone, Suite 180
 San Antonio, Texas 78258
 U.S.A.

Grant Terry
 Project Engineer - Pipeline
 [Tel.] +1 210 495 5577
 [E-Mail] ; [LinkedIn] grant-terry-35974311a

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 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 Epic NGL Pipeline (indirect subsidiary of Texstar Midstream) with Pumpco Incorporated (Pipeline Construction) continues Construction for a Grassroot NGL Pipeline. DETAILS: As part of the EPIC NGL pipeline, construct 650 miles of 12"- and 16"-diameter transmission pipe (roughly 128 miles from Delaware Basin Midstream's Ramsey Plant (Plant ID 3240172) to Benedum, TX) to transport 450,000 BBL/d of Permian Basin and Eagle Ford natural gas liquids from Loving, NM to Corpus Christi, TX. REQUIRES: Trenching, Transmission Pipe, Cathodic Protection, Coatings, MCC, Pig Launching/Receiving, Utilities, Metering, Block Valves, Control Valves plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Epic NGL with Pumpco continues Construction through 1Q19 (Mar). Construction Commenced 2Q18 (Apr). Expected Project Completion 1Q20 (Jan).

Project Milestones	AFE 201709		Sub Bid Doc 201804		Completion 31-Jan-2019		Precision MONTH	
	Long-Lead 201712	Equip RFQ 201804	Kick-Off 201804	Kickoff Slippage 3 Months	Duration 10 Months			
Engineering Civil	Electrical	Environmental	Instrumentation	Mechanical				
Contracting	Electrical	Environmental	Instrumentation					
Project Key Needs Civil/Site								
Instrumentation	Electrical	Mechanical			NDE			
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves				
Communications					Transportation			
Matter Phase	Liquid							
Energy								
Buy Electricity								
Sell								

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Matt Warren	[Phn.] +1 210 620 4593	Jun-2023
Senior Operations Manager		No	matt-warren-5833a7220

Maintenance Manager	Cliff Self	[Phn.] +1 210 569 6696	Jun-2023
Pipeline Operations Manager		No	cliff-self-9571681b8
Purchasing Manager	Travis McGloughlin	[Phn.] +1 210 920 2255	Jun-2023
	travis.mcgloughlin@epicmid.com	No	travis-mcgloughlin-593b5615
Engineering Manager	Matt Warren	[Phn.] +1 210 620 4593	Jun-2023
Senior Operations Manager Crude, NGL		No	matt-warren-5833a7220
Environmental Manager	William Crochet	[Phn.] +1 210 920 2255	Jun-2023
Vice President, Engineering, Asset Integrity, Environmental, Health, & Safety		No	william-crochet-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 Reports

Project Name	Report Date	TIV	Phase
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II TX PORTION	12-Oct-2017	180,000,000 USD	Planning and Scheduling (E2 - 25)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II TX PORTION	09-Mar-2018	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II TX PORTION	12-Apr-2018	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	27-Jun-2018	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	10-Dec-2018	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	15-Mar-2019	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	18-Apr-2019	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	15-Aug-2019	180,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	20-Nov-2019	360,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	11-Dec-2019	360,000,000 USD	Construction - Merit Shop (C1 - 36)
ORLA GRASSROOT EPIC NGL PIPELINE PHASE II	15-Jan-2020	360,000,000 USD	Completion/Start-Up (C1 - 41)



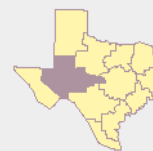
Project Name SEMINOLE GRASSROOT SHIN OAK NGL PIPELINE
Umbrella Project Name SHIN OAK NGL PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 12

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 950,000,000
SIC Code 4922 Natural Gas Transmission
SIC Product 4922*0010 Natural Gas Liquids Pipeline
Status Complete / Done
Environmental Air (A) Land (L)
Project Type Grassroot
Sector Natural Gas Liquids Pipelines
Last Update 13-Dec-2019
Initial Release 12-Apr-2017
Construction Labor Preference Unconfirmed
Operations Labor Preference Union, Non-Unioir
Project Capacity Planned 550 BBL/d of Natural Gas Liquids (NGL)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	571	Miles (mi)	24	Inches (in)

Plant Owner Enterprise Products Partners LP
Plant Name Garden City NGL Pump Station
Plant ID 3244164
Location 15 Miles North East of Garden City
City/State Garden City, Texas 79739 U.S.A.
Plant Parent Unit Name Enterprise Products Partners LP
Phone +1 575 393 4328
Zone/County TX*06, Glasscock

Project Responsibility Project Company

Project Contact

Project Manager Enterprise Products Partners LP
 PO Box 4324
 Houston, Texas 77210-4324
 U.S.A.

Scott Canterbury
 Project Manager
 [Tel.] +1 713 381 6500
 [E-Mail]

Contracts Administrator Enterprise Products Partners LP
 1100 Louisiana Suite 1600
 Houston, Texas 77002
 U.S.A.

Corey Humphrey
 Sourcing Specialist
 [Tel.] +1 713 381 6500
 [E-Mail] chumphrey@eprod.com

G/C MPG Pipeline Contractors LLC
 16770 Imperial Valley, Suite 105
 Houston, Texas 770660
 U.S.A.

Bruce Ainsworth
 Operations Manager
 [Tel.] +1 713 904 1168
 [E-Mail] bainsworth@mpg-plc.com

G/C Primoris
 1010 County Road 59
 Rosharon, Texas 77583
 U.S.A.

Regina Lucas
 Construction Project Manager
 [Tel.] +1 281 431 5900
 [E-Mail] rlucas@prim.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 Project Estimator
 [Tel.] +1 979 542 9054
 [E-Mail] derek.kieschnick@pumpco.cc

G/C Troy Construction LLC
 162 Caddo Drive Suite 110
 Abilene, Texas 79602
 U.S.A.

Ryan Kramer
 Project Manager
 [Tel.] +1 325 676 8214

G/C Nc Contractors Incorporated
 2497 West Interstate Inn
 Wallisville, Texas 77597
 U.S.A.

Cameron Jameson
 Construction Superintendent
 [Tel.] +1 713 202 4292

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Enterprise Products Partners awards MPG Contractors (G/C) - (Spread (1) - 120 miles), Primoris Services (G/C) - (Spread (2) & (3) - 185 miles), Troy Construction (G/C) - (Spread (4) & (5) - 125 miles), Pumpco Incorporated (G/C) (Spread (6) & (7) - 95 miles), Nc Contractors (G/C) (Spread 8) - 50 miles) and continues with Construction for a Grassroot NGL Pipeline. DETAILS: As part of the Shin Oak Pipeline project, construct 571 miles of 24"-diameter transmission pipeline from Enterprise's Hobbs NGL Fractionator and storage facility (Plant ID 1066668) in Gains City, TX to Enterprises' Mont Belvieu fractionation complex (Plant ID 1517384) to transport 550,000 BBL/d (expandable to 600,000 BBL/d) of Permian Basin NGL's. REQUIRES: Trenching, Excavating, 24"-Diameter Transmission Pipe, Block & Control Valves, Cathodic Protection, Coatings, Pig Launching, Piping, Metering, Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products with MPG, Primoris, Troy, Pumpco and Nc Contractor continues with Construction Activities and releases remaining Construction Subcontractor Bid Packages 4Q18 (Oct) through 1Q19 (Feb). Construction Commenced 4Q18 (Oct). Expected Project Completion 4Q19 (Dec).

Project Milestones

AFE 201804

Sub Bid Doc 201902

Completion 15-Feb-2019

Precision MONTH

Long-Lead 201801

Equip RFQ 201810

Kick-Off 201810

Kickoff Slippage 1 Months

Duration 5 Months

Engineering
 Contracting
 Project Key Needs
 Instrumentation Electrical
 Piping/Fittings Insulation/Coatings
 Communications
 Environmental
 Mechanical
 Instrumentation Mechanical
 Storage NDE
 Valves
 Transportation
 Material Handling
 Matter Phase
 Energy
 Buy Electricity
 Sell
 Project Fuel Type Natural Gas
 Liquid

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 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	Israel Silva	[Phn.] +1 713 880 6500 / [Alt.] +1 281 240 5100	Nov-2022
	isilva@eprod.com	No	
Environmental Manager	Christopher Spore	[Phn.] +1 432 221 7746	Nov-2022
	cspore@eprod.com	No	christopher-spore-p-g-61320b22
Safety Manager	Christopher Spore	[Phn.] +1 432 221 7746	Nov-2022
Environmental Manager	cspore@eprod.com	No	christopher-spore-p-g-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-a7b92a4

Historical Reports

Project Name	Report Date	TIV	Phase
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)



Project Name COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIP
Umbrella Project Name GULF COAST EXPRESS (GCX) PIPELINE

[PEC Activity Diagram](#)

Umbrella Project Count 9

Umbrella Project Summary Gulf Coast Express is a 447.5-Mile 42-Inch 2Bcf/d Pipeline project originating at the Waha Hub near Coyanosa, Texas in the Permian Basin, and terminating near Aqua Dulce, Texas near the Gulf Coast.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 450,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Complete / Done

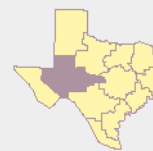
Last Update 25-Sep-2019

Initial Release 09-Feb-2018

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Union, Non-Union



Project Capacity **Planned** 1,920 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	192	Miles (mi)	42	Inches (in)

Plant Owner Kinder Morgan Texas Pipeline LLC

Plant Parent Kinder Morgan Incorporated

Plant Name Coyanosa Metering Station

Unit Name

Plant ID 3301911

Location West of Coyanosa

Phone +1 713 369 9000

City/State Coyanosa, Texas 79730 U.S.A.

Zone/County TX*06, Pecos

Project Responsibility Project Company

Project Contact

Project Manager Kinder Morgan Texas Pipeline LLC
 1001 Louisiana Street Suite 1000
 Houston, Texas 77002
 U.S.A.

Jason Hartman
 Project Manager
 [Tel.] +1 713 369 9000
 [E-Mail] jason_hartman@kindermorgan.com

Project Manager Kinder Morgan Texas Pipeline LLC
 1001 Louisiana Street Suite 1000
 Houston, Texas 77002
 U.S.A.

John Towles
 ROW Project Manager
 [Tel.] +1 713 369 9000
 [E-Mail] john_towles@kindermorgan.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Derek Kieschnick
 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 Kinder Morgan Texas Pipeline (KMTP) (subsidiary of Kinder Morgan Incorporated) awards Pumpco Inc (G/C) and proceeds with Construction on a Grassroot Natural Gas Pipeline. DETAILS: As part of the Gulf Coast Express Pipeline Project from the Permian Basin, install approximately 75 Miles of 42" diameter transmission pipeline (Spread 3) and 117 miles of 42" (Spread 4) to transport up to 1.92 Bcf/d of natural gas from Del Rio, TX to Agua Dulce, TX. REQUIRES: Trenching, Excavating, 42" Diameter Transmission Pipe, SCADA, Cathodic Protection, Coatings, Custody Transfers, MCC Mods, Control/Block Valves, Pig Launching and Receiving, (10) Metering Stations, Electrical Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule KMTP in Conjunction with Pumpco continues with Construction Activities and releases remaining Equipment RFQ's and Subcontractor Bid Documents 1Q19 (Feb) through 2Q19 (May). Construction Commenced 1Q19 (Feb). Scheduled Project Completion 3Q19 (Sep).

Project Milestones	AFE 201812		Sub Bid Doc 201905		Completion 25-Sep-2019		Precision QUARTER	
	Long-Lead 201708	Equip RFQ 201902	Kick-Off 201902	Kick-Off 201902	Kickoff Slippage 4 Months	Duration 8 Months		
Engineering								
Contracting	Electrical	Environmental			Instrumentation	Mechanical		
Project Key Needs			Control Room					
	Instrumentation	Electrical	Mechanical			NDE		
	Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves	Pumps		
	Communications					Transportation		
		Material Handling						
Matter Phase	Gas							
Energy								
Buy	Electricity							
Sell								

Historical Reports

Project Name	Report Date	TIV	Phase
COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	09-Feb-2018	450,000,000 USD	Permitting (P2 - 18)
COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	29-Mar-2018	450,000,000 USD	Permitting (P2 - 18)
COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	30-Jul-2018	450,000,000 USD	Permitting (P2 - 18)

COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	23-Oct-2018	450,000,000 USD	Permitting (P2 - 18)
COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	07-Feb-2019	450,000,000 USD	Construction - Merit Shop
COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	03-May-2019	450,000,000 USD	Construction - Merit Shop
COYANOSA GULF COAST EXPRESS (GCX) GRASSROOT NATURAL GAS PIPELINE (SPREAD 3 & 4)	25-Sep-2019	450,000,000 USD	Completion/Start-Up (C1

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*Any data highlighted in red below is data that has been added or updated in the last release of the project

Project Name LOVING GRASSROOT EPIC NGL PIPELINE PHASE I NM PORTION

[PEC Activity Diagram](#)

Umbrella Project Name EPIC Y-GRADE NGL PIPELINE

Umbrella Project Count 19

Umbrella Project Summary The Y-Grade Pipeline project will connect 170,000 barrels per day of fractionation capacity at the terminus of the pipeline in Robstown, Texas.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 20,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Liquids Pipelines

SIC Product 4922*0010 Natural Gas Liquids Pipeline

Status Complete / Done

Last Update 10-Dec-2018

Initial Release 12-Oct-2017

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Union, Non-Union

Project Capacity

Planned 220,000 BBL/d of Natural Gas Liquids (NGL)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	16.50	Miles (mi)	12	Inches (in)

Plant Owner EPIC Midstream Holdings, LP

Plant Parent EPIC Midstream Holdings, LP

Plant Name Loving NGL Pump Station

Unit Name

Plant ID 3278228

Location 978 Bounds Road

Phone +1 210 920 2255

City/State Loving, New Mexico 88256 U.S.A.

Zone/County NM*02, Eddy

Project Responsibility Project Company

Project Contact

Project Manager EPIC Midstream Holdings, LP
18615 Tuscany Stone, Suite 275
San Antonio, Texas 78258
U.S.A.

Grant Terry
Project Engineer - Pipeline
[Tel.] +1 210 569 6696
[E-Mail] ; [LinkedIn] grant-terry-35974311a

Project Director EPIC Midstream Holdings, LP
18615 Tuscany Stone, Suite 275
San Antonio, Texas 78258
U.S.A.

Justin Gordon
Vice President Engineering & Operations
[Tel.] +1 210 569 6696
[E-Mail] justin.gordon@epicmid.com ; [LinkedIn] justin-gordon-2a213241

Project Executive EPIC Midstream Holdings, LP
18615 Tuscany Stone, Suite 275
San Antonio, Texas 78258
U.S.A.

Phillip Mezey
Chief Executive Officer
[Tel.] +1 210 569 6696
[E-Mail] phil.mezey@epicmid.com

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Derek Kieschnick
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 Epic NGL Pipeline with Holloman Corporation (Pipeline Construction) continues Construction for a Grassroot NGL Pipeline. DETAILS: As part of the EPIC NGL pipeline, construct 650 miles of 12"- and 16"-diameter transmission pipe (16.5 miles of 12" in NM as Phase I between DLK's Black River Gas Plant (Plant ID 3218569) to Delaware Basin Midstream's Ramsay Plant (Plant ID 3046063) near Orla, TX) to transport 350,000 BBL/d of Permian Basin and Eagle Ford natural gas liquids from DLK's Black River Processing Plant near Malaga, NM to Corpus Christi, TX. REQUIRES: Trenching, Transmission Pipe, Cathodic Protection, Coatings, MCC, Pig Launching/Receiving, Utilities, Metering, Block Valves, Control Valves plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Epic NGL with Holloman continues Construction through 2Q18 (Apr). Construction Commenced 4Q17 (Oct). Scheduled Completion 2Q18 (Apr).

Project Milestones	AFE 201709	Sub Bid Doc 201804	Completion 15-Apr-2018	Precision MONTH
Long-Lead 201712	Equip RFQ 201804	Kick-Off 201710	Kickoff Slippage -3 Months	Duration 7 Months
Engineering Civil	Electrical	Environmental	Instrumentation	Mechanical
Contracting	Electrical	Environmental	Instrumentation	
Project Key Needs Civil/Site				
Instrumentation	Electrical	Mechanical		NDE
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Valves
Communications				Transportation
Matter Phase	Liquid			
Energy				
Buy				
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
-------------------------	---------------------	-------------------	---------------------

Plant Manager	Matt Warren	[Phn.] +1 210 620 4593 / [Alt.] +1 210 920 2255	Dec-2022
Senior Operations Manager Crude, NGL		No	
Maintenance Manager	Cody Ward	[Phn.] +1 210 920 2255	Dec-2022
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Purchasing Manager	Kevin Chavez	[Phn.] +1 210 920 2255	Dec-2022
		No	kevin-chavez-88a88916a
Engineering Manager	Brad Baker	[Phn.] +1 210 920 2255 / [Alt.] +1 210 784 7386	Dec-2022
Facilities Engineer Supervisor	brad.k.baker@epicmid.com	No	brad-baker-3124621a
Environmental Manager	Grover Clinton	[Phn.] +1 210 495 5577	Dec-2022
Vice President, Operations		No	
Safety Manager	Grover Clinton	[Phn.] +1 210 495 5577	Dec-2022
Vice President, Operations		No	
Utilities Manager	Cody Ward	[Phn.] +1 210 920 2255	Dec-2022
WTX Pipeline Operations Supervisor		No	cody-ward-95b642b3
Human Resource Manager	Anya Smith	[Phn.] +1 912 236 1579	Dec-2022
		No	annagorshkovasmith

Historical Reports

Project Name	Report Date	TIV	Phase
LOVING GRASSROOT EPIC NGL PIPELINE PHASE II NM PORTION	12-Oct-2017	20,000,000 USD	Planning and Scheduling (E2 - 25)
LOVING GRASSROOT EPIC NGL PIPELINE PHASE II NM PORTION	09-Mar-2018	20,000,000 USD	Construction - Merit Shop (C1 - 36)
LOVING GRASSROOT EPIC NGL PIPELINE PHASE II NM PORTION	12-Apr-2018	20,000,000 USD	Construction - Merit Shop (C1 - 36)
LOVING GRASSROOT EPIC NGL PIPELINE PHASE I NM PORTION	25-Jun-2018	20,000,000 USD	Completion/Start-Up (C1 - 41)
LOVING GRASSROOT EPIC NGL PIPELINE PHASE I NM PORTION	10-Dec-2018	20,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name DELAWARE BASIN GRASSROOT NATURAL GAS GATHERING LINE
Industry Code 04 Production (Oil & Gas) **Project Type** Grassroot
TIV (USD) 8,000,000
SIC Code 4922 Natural Gas Transmission **Sector** Natural Gas Pipelines
SIC Product 4922*0004 Natural Gas Pipelines
Status Complete / Done **Last Update** 22-Aug-2018 **Initial Release** 18-Oct-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Non-Union

[PEC Activity Diagram](#)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	8 Miles (mi)		10 Inches (in)	

Plant Owner Stateline Processing LLC **Plant Parent** Howard Midstream Energy Partners LLC
Plant Name Stateline 'Reeves County' Natural Gas Processing Plant **Unit Name**
Plant ID 3257907
Location 4.26 miles Northeast of Orla, off County Road 652 **Phone** +1 855 979 2012
City/State Orla, Texas 79772 U.S.A. **Zone/County** TX*06, Reeves

Project Responsibility Project Company

Project Contact

Project Manager Howard Midstream Energy Partners LLC 17806 IH 10 West Suite 210 San Antonio, Texas 78257-8222 U.S.A.	Project Contact John Baumhardt Operations Manager [Tel.] +1 210 298 2222 [E-Mail] jbaumhardt@howardep.com
Project Manager Howard Midstream Energy Partners LLC 17806 IH 10 West Suite 210 San Antonio, Texas 78257-8222 U.S.A.	Project Contact Brandon Burch VP Operations and Engineering [Tel.] +1 210 298 2222 [E-Mail] bburch@howardep.com (!)
Project Manager Howard Midstream Energy Partners LLC 17806 IH 10 West Suite 210 San Antonio, Texas 78257-8222 U.S.A.	Project Contact Jason Hughes Project Manager [Tel.] +1 210 298 2222 [E-Mail] jhughes@howardep.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Project Contact Adam Nietsche Project Manager [Tel.] +1 979 542 9054 [E-Mail] adam.nietsche@pumpco.cc

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Howard Midstream Energy Partners with Pumpco Incorporated (G/C) performs Construction on a Grassroot Natural Gas Gathering Pipeline. DETAILS: In Delaware Basin, construct 8-mile, 10-inch, High and Low pressure natural gas gathering pipeline. REQUIRES: Site Preparation, Trenching, Gathering Pipe, Block Valves, Control Valves, Coatings, Pig Launching & Receiving, Flanges, Well Interconnections, Taps, Electrical Utilities, Custody Transfer plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment, Liners.

Schedule Howard Midstream Energy Partners with Pumpco Incorporated performs Construction through 2Q18 (Jun). Howard Midstream Energy Partners releases Equipment RFQ's and Pumpco Incorporated releases remaining Bid Documents plus reviews and selects remaining Subcontractors as needed 1Q18 (Feb)-2Q18. Construction Commenced 1Q18 (Feb). Expected Project Completion 2Q18 (Jun).

Project Milestones

AFE 201712 **Sub Bid Doc 201802** **Completion 15-Jun-2018** **Precision QUARTER**
Equip RFQ 201802 **Kick-Off 201802** **Kickoff Slippage 1 Months** **Duration 5 Months**

Engineering

Contracting

Project Key Needs Civil/Site

Instrumentation	Electrical	Mechanical		NDE
Piping/Fittings	Insulation/Coatings	Environmental	Utilities	Pumps
Communications			Valves	Transportation

Matter Phase Gas

Energy

Buy

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 Beacham	[Phn.] +1 855 979 2012	May-2023
Sr. Production Foreman	paul.beacham@wpenergy.com (!)	No	
Maintenance Manager	Paul Beacham	[Phn.] +1 855 979 2012	May-2023
Sr. Production Foreman	paul.beacham@wpenergy.com (!)	No	

Purchasing Manager	Carolyn Price	[Phn.] +1 855 979 2012	May-2023
Facilities & Construction Lead	carolyn.price@wpenergy.com (!)	No	
Engineering Manager	Steve Bernhardt	[Phn.] +1 855 979 2012	May-2023
Petroleum Production Engineer		No	steve-bernhardt-21b7a7a3
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@wpenergy.com (!)	No	
Human Resource Manager	Linda Garhart	[Phn.] +1 855 979 2012	May-2023
Vice President, Human Resources		No	

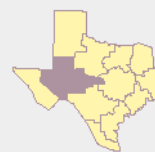
Historical Reports

Project Name	Report Date	TIV	Phase
DELAWARE BASIN GRASSROOT 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	8,000,000 USD	Preliminary Design (P1 - 07)
DELAWARE BASIN GRASSROOT NATURAL GAS GATHERING LINE	13-Feb-2018	8,000,000 USD	Construction - Merit Shop (C1 - 36)
DELAWARE BASIN GRASSROOT NATURAL GAS GATHERING LINE	22-Aug-2018	8,000,000 USD	Completion/Start-Up (C1 - 41)

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Project Name DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE [PEC Activity Diagram](#)
Industry Code 04 Production (Oil & Gas) **Project Type** Grassroot
TIV (USD) 5,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0001 Crude Oil Pipelines
Status Complete / Done **Last Update** 22-Aug-2018 **Initial Release** 18-Oct-2017
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Non-Union



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	5 Miles (mi)		10 Inches (in)	

Plant Owner Stateline Processing LLC **Plant Parent** Howard Midstream Energy Partners LLC
Plant Name Stateline 'Reeves County' Natural Gas Processing Plant **Unit Name**
Plant ID 3257907
Location 4.26 miles Northeast of Orla, off County Road 652 **Phone** +1 855 979 2012
City/State Orla, Texas 79772 U.S.A. **Zone/County** TX*06, Reeves

Project Responsibility Project Company

Project Contact

Project Manager Howard Midstream Energy Partners LLC 17806 IH 10 West Suite 210 San Antonio, Texas 78257-8222 U.S.A.	Project Contact John Baumhardt Operations Manager [Tel.] +1 210 298 2222 [E-Mail] jbaumhardt@howardep.com
Project Manager Howard Midstream Energy Partners LLC 17806 IH 10 West Suite 210 San Antonio, Texas 78257-8222 U.S.A.	Project Contact Brandon Burch VP Operations and Engineering [Tel.] +1 210 298 2222 [E-Mail] bburch@howardep.com (!)
Project Manager Howard Midstream Energy Partners LLC 17806 IH 10 West Suite 210 San Antonio, Texas 78257-8222 U.S.A.	Project Contact Jason Hughes Project Manager [Tel.] +1 210 298 2222 [E-Mail] jhughes@howardep.com
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Project Contact Adam Nietsche Project Manager [Tel.] +1 979 542 9054 [E-Mail] adam.nietsche@pumpco.cc

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Howard Midstream Energy Partners Pumpco Incorporated (G/C) performs Construction on a Grassroot Crude Gathering Pipeline. DETAILS: In Delaware Basin, construct 5-mile, 10-inch, Crude gathering pipeline. REQUIRES: Site Preparation, Trenching, Gathering Pipe, Block Valves, Control Valves, Coatings, Pig Launching & Receiving, Flanges, Well Interconnections, Taps, Electrical Utilities, Custody Transfer plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment, Liners.

Schedule Howard Midstream Energy Partners with Pumpco Incorporated continues with Construction through 2Q18 (Jun). Howard Midstream Energy Partners releases remaining Equipment RFQ's and Pumpco Incorporated releases remaining Bid Documents plus reviews and selects Subcontractors as needed 1Q18 (Feb)-2Q18. Construction Commenced 1Q18 (Feb). Expected Project Completion 2Q18 (Jun).

Project Milestones

AFE 201712 **Sub Bid Doc** 201802 **Completion** 15-Jun-2018 **Precision** QUARTER
Equip RFQ 201802 **Kick-Off** 201802 **Kickoff Slippage** 1 Months **Duration** 5 Months

Engineering Contracting

Environmental

Project Key Needs Civil/Site

Instrumentation	Electrical	Mechanical		NDE
Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves	Pumps
Communications				Transportation

Matter Phase

Liquid

Energy

Buy

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	Paul Beacham	[Phn.] +1 855 979 2012	May-2023
Sr. Production Foreman	paul.beacham@wpenergy.com (!)	No	
Maintenance Manager	Paul Beacham	[Phn.] +1 855 979 2012	May-2023
Sr. Production Foreman	paul.beacham@wpenergy.com (!)	No	

Purchasing Manager	Carolyn Price	[Phn.] +1 855 979 2012	May-2023
Facilities & Construction Lead	carolyn.price@wpenergy.com (!)	No	
Engineering Manager	Steve Bernhardt	[Phn.] +1 855 979 2012	May-2023
Petroleum Production Engineer		No	steve-bernhardt-21b7a7a3
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@wpenergy.com (!)	No	
Human Resource Manager	Linda Garhart	[Phn.] +1 855 979 2012	May-2023
Vice President, Human Resources		No	

Historical Reports

Project Name	Report Date	TIV	Phase
DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE	18-Oct-2017	5,000,000 USD	Preliminary Design (P1 - 07)
DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE	06-Feb-2018	5,000,000 USD	Preliminary Design (P1 - 07)
DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE	13-Feb-2018	5,000,000 USD	Construction - Merit Shop (C1 - 36)
DELAWARE BASIN GRASSROOT CRUDE GATHERING LINE	22-Aug-2018	5,000,000 USD	Completion/Start-Up (C1 - 41)

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Project Name MIDLAND GRASSROOT MIDLAND TO RANCHO SEALY CRUDE OIL PIPELINE
Umbrella Project Name MIDLAND TO RANCHO SEALY PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 5

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 575,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0001 Crude Oil Pipelines
Status Complete / Done **Last Update** 19-Apr-2018 **Initial Release** 20-Mar-2014
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Non-Union



Project Capacity **Planned** 540,000 BBL/d of Crude Oil

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	416 Miles (mi)		24 Inches (in)	

Plant Owner Enterprise Products Partners LP **Plant Parent** Enterprise Products Partners LP
Plant Name Midland Crude Oil Pump Station **Unit Name**
Plant ID 3116074
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 Manager Enterprise Products Partners LP P O Box 4324 Houston, Texas 77210-4324 U.S.A.	Randy Wiggins Project Manager [Tel.] +1 713 381 6500
Project Director Enterprise Products Partners LP P O Box 4324 Houston, Texas 77210-4324 U.S.A.	John Macon Project Director [Tel.] +1 713 381 6500 [E-Mail] jtmacon@eprod.com
Project Executive Enterprise Products Partners LP 1100 Louisiana Street, Suite 1000 Houston, Texas 77002 U.S.A.	Leonard Mallett Engineering VP [Tel.] +1 713 381 6500 [E-Mail] lmallett@eprod.com
G/C Primoris Services Corporation 2100 McKinney Avenue Suite 1500 Dallas, Texas 75201 U.S.A.	Roger Thurman Regional Manager [Tel.] +1 214 740 5600 [E-Mail] rthurman@prim-es.com
G/C Holloman Corporation 333 North Sam Houston Parkway East Suite 600 Houston, Texas 77060 U.S.A.	Eddie Pernell Construction Superintendent [Tel.] +1 281 878 2600 [E-Mail] eddiepernell@hollomancorp.com
G/C Holloman Corporation 333 North Sam Houston Parkway East Suite 600 Houston, Texas 77060 U.S.A.	Shannon Driver Project Manager [Tel.] +1 281 878 2600
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Shawn Pruet Project Manager [Tel.] +1 979 542 9054

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Enterprise Products awards Primoris Energy Services, Holloman Corporation, and Pumpco (Pipeline G/C's) and continues Construction for a Grassroot Crude Oil Pipeline. DETAILS: As part of the \$760 Million Midland to Rancho Sealy Project, construct 416 miles of 24" pipe with (10) integrity meters to transport 450,000 BBL/d of Permian Basin crude oil (West Texas Sour, West Texas Intermediate, Light West Texas Intermediate) and condensate from Midland, TX to Enterprise's Sealy Station (Plant ID: 3014032). REQUIRES: Site Preparation, Trenching, 24" Transmission Pipe, Road Crossings, Automated Control System, Cathodic Protection, Receiving, Coatings, Block/Control Valves, MCC Mods, Condensers, Metering and Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Enterprise Products with Primoris, Holloman, and Pumpco continues Final Commissioning and Ramp Up through 2Q18 (Jun). Enterprise with Primoris Holloman, and Pumpco releases remaining Equipment RFQ's and Subcontractor Bid Documents through 2Q17 (May). Construction Commenced 2Q17 (Apr). Scheduled Full-Service Operation and Project Completion 2Q18 (Jun).

Project Milestones	AFE 201704	Sub Bid Doc 201705	Completion 16-Apr-2018	Precision QUARTER
Long-Lead 201704	Equip RFQ 201705	Kick-Off 201704	Kickoff Slippage 8 Months	Duration 13 Months
Engineering	Electrical	Environmental	Instrumentation	
Contracting				
Project Key Needs	Civil/Site			

Instrumentation Electrical Mechanical NDE
Piping/Fittings Insulation/Coatings Environmental Utilities Valves
Communications Transportation

Matter Phase Liquid
Energy
Buy Electricity
Sell

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Ralph Morris	[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	Rex Morsey	[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-61320b22
Safety Manager	Christopher Spore	[Phn.] +1 432 221 7746	Feb-2023
Lead Field Environmental Scientist	cspore@eprod.com	No	christopher-spore-p-g-61320b22
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	[Phn.] +1 713 381 6500	Feb-2023
	mhartman@eprod.com	No	marilyn-hartman-349ab645

Historical 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)



Project Name MEMPHIS GRASSROOT DIAMOND CRUDE OIL PIPELINE
Umbrella Project Name DIAMOND PIPELINE PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary The Diamond Pipeline is a 440-mile, 20 inch pipeline capable of transporting up to 200,000 barrels per day of domestic sweet crude from Cushing, Okla. to Memphis, Tenn.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 5,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0001 Crude Oil Pipelines



Status Complete / Done

Last Update 26-Jan-2018

Initial Release 08-Aug-2014

Environmental Air (A) Land (L) Water (W)

Construction Labor Preference Unconfirmed

Operations Labor Preference Unconfirmed

Project Capacity **Planned** 200,000 BBL/d of Crude Oil

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield		3 Miles (mi)	20	Inches (in)

Plant Owner Plains All American Pipeline LP

Plant Parent Plains All American Pipeline LP

Plant Name Memphis Crude Oil Metering Station

Unit Name

Plant ID 3128471

Location 2385 River Port Road

Phone +1 901 774 3100

City/State Memphis, Tennessee 38109 U.S.A.

Zone/County TN*02, Shelby

Project Responsibility Project Company

Project Contact

Project Manager Plains All American Pipeline LP
 333 Clay Road Suite 1600
 Houston, Texas 77002
 U.S.A.

Stephen Lee
 Project Manager
 [Tel.] +1 713 646 4100
 [E-Mail] slee@paalp.com (!)

Contracts Administrator Plains All American Pipeline LP
 333 Clay Street Suite 1600
 Houston, Texas 77002
 U.S.A.

Ross Stevenson
 Manager Construction Services
 [Tel.] +1 713 646 4100
 [E-Mail] rmstevenson@paalp.com (!) ; [LinkedIn] rossmstevenson

Specification and Reliability Plains All American Pipeline LP
 740430 South 3510 Road
 Cushing, Oklahoma 740306
 U.S.A.

Brad Dooley
 Terminal Operator
 [Tel.] +1 918 225 6473 x6717

Procurement - Purchasing Plains All American Pipeline LP
 333 Clay Street Suite 1600
 Houston, Texas 77002
 U.S.A.

Kevin Howard
 Purchasing Manager
 [Tel.] +1 713 646 4100
 [LinkedIn] kevin-howard-c-p-m-b801b133

Planning & Scheduling Plains All American Pipeline LP
 740430 South 3510 Road
 Cushing, Oklahoma 74023
 U.S.A.

David Shurtz
 District Pipeline Manager
 [Tel.] +1 918 225 3406
 [E-Mail] dlshurtz@paalp.com (!)

Consultant SWCA Environmental Consultants
 5745 Essen Lane, Suite 105
 Baton Rouge, Louisiana 70810
 U.S.A.

Chuck Fontenot
 Senior Project Manager
 [Tel.] +1 225 663 3830

Contractor Excel Mulching
 2228 SE Loop
 Carthage, Texas 75633
 U.S.A.

Dustin Starkey
 Northern Division Superintendent
 [Tel.] +1 903 693 7511
 [E-Mail] dustin@excelmulching.com (!)

G/C Strike Construction LLC
 831 Crossbridge Drive
 Spring, Texas 77373
 U.S.A.

Derek Fuller
 Project Manager
 [Tel.] +1 281 362 9708
 [E-Mail] derek.fuller@strikeusa.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Alan Roberts
 Construction Manager
 [Tel.] +1 979 542 9054
 [E-Mail] alan@pumpco.cc

G/C Energy Services South LLC
 301 N. Industrial Park
 Livingston, Alabama 35470
 U.S.A.

James Ozment
 Senior Project Manager
 [Tel.] +1 205 652 9165

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	Completion 30-Nov-2017	Precision QUARTER
	Equip RFQ 201609	Kick-Off 201610	Kickoff Slippage 17 Months	Duration 14 Months
Engineering Contracting	Electrical	Environmental	Instrumentation	
Project Key Needs	Civil/Site			
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

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	26-Jan-2018	5,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE
Umbrella Project Name DIAMOND PIPELINE PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary The Diamond Pipeline is a 440-mile, 20 inch pipeline capable of transporting up to 200,000 barrels per day of domestic sweet crude from Cushing, Okla. to Memphis, Tenn.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 400,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0001 Crude Oil Pipelines

Status Complete / Done

Last Update 04-Dec-2017

Initial Release 08-Aug-2014

Environmental Air (A) Land (L) Water (W)

Construction Labor Preference Unconfirmed

Operations Labor Preference Union, Non-Unioir



Project Capacity **Planned** 200,000 BBL/d of Crude Oil

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	260	Miles (mi)	20	Inches (in)

Plant Owner Plains All American Pipeline
Plant Name Georgetown Crude Oil Pump Station
Plant ID 3128411
Location West of Georgetown
City/State Griffithville, Arkansas 72143 U.S.A.

Plant Parent Plains All American Pipeline LP
Unit Name

Phone +1 918 225 3406

Zone/County AR*01, White

Project Responsibility Project Company

Project Manager Plains All American Pipeline LP
 333 Clay Road Suite 1600
 Houston, Texas 77002
 U.S.A.

Project Contact

Stephen Lee
 Project Manager
 [Tel.] +1 713 646 4100
 [E-Mail] slee@paalp.com (!)

Specification and Reliability Plains All American Pipeline LP
 740430 South 3510 Road
 Cushing, Oklahoma 740306
 U.S.A.

Brad Dooley
 Terminal Operator
 [Tel.] +1 918 225 6473 x6717

Procurement - Purchasing Plains All American Pipeline LP
 333 Clay Street Suite 1600
 Houston, Texas 77002
 U.S.A.

Kevin Howard
 Purchasing Manager
 [Tel.] +1 713 646 4100
 [LinkedIn] kevin-howard-c-p-m-b801b133

Contracts Administrator Plains All American Pipeline LP
 333 Clay Street Suite 1600
 Houston, Texas 77002
 U.S.A.

Ross Stevenson
 Manager Construction Services
 [Tel.] +1 713 646 4100
 [E-Mail] rmstevenson@paalp.com (!) ; [LinkedIn] rossmstevenson

Planning & Scheduling Plains All American Pipeline LP
 740430 South 3510 Road
 Cushing, Oklahoma 74023
 U.S.A.

David Shurtz
 District Pipeline Manager
 [Tel.] +1 918 225 3406
 [E-Mail] dlshurtz@paalp.com (!)

Consultant SWCA Environmental Consultants
 5745 Essen Lane, Suite 105
 Baton Rouge, Louisiana 70810
 U.S.A.

Chuck Fontenot
 Senior Project Manager
 [Tel.] +1 225 663 3830

Contractor Excel Mulching
 2228 SE Loop
 Carthage, Texas 75633
 U.S.A.

Dustin Starkey
 Northern Division Superintendent
 [Tel.] +1 903 693 7511
 [E-Mail] dustin@excelmulching.com (!)

G/C Strike Construction LLC
 831 Crossbridge Drive
 Spring, Texas 77373
 U.S.A.

Derek Fuller
 Project Manager
 [Tel.] +1 281 362 9708
 [E-Mail] derek.fuller@strikeusa.com

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Alan Roberts
 Construction Manager
 [Tel.] +1 979 542 9054
 [E-Mail] alan@pumpco.cc

G/C Energy Services South LLC
 301 N. Industrial Park
 Livingston, Alabama 35470
 U.S.A.

James Ozment
 Senior Project Manager
 [Tel.] +1 205 652 9165

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 260 miles in AR) 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 4Q17 (Oct).

Project Milestones	AFE 201606	Sub Bid Doc 201609	Completion 30-Nov-2017	Precision QUARTER
Long-Lead 201606	Equip RFQ 201609	Kick-Off 201610	Kickoff Slippage 17 Months	Duration 14 Months
Engineering	Electrical		Instrumentation	
Contracting	Electrical	Environmental	Instrumentation	
Project Key Needs	Civil/Site			
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Maintenance Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Purchasing Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Engineering Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Environmental Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Safety Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Utilities Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a
Human Resource Manager	Rob Koenig	[Phn.] +1 713 646 4411	Jul-2022
Director of Project Management	rwkoenig@paalp.com (!)	No	rob-koenig-9645254a

Historical Reports

Project Name	Report Date	TIV	Phase
JERUSALEM GRASSROOT DIAMOND CRUDE OIL PIPELINE	08-Aug-2014	400,000,000 USD	Preliminary Design (P1 - 07)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Jan-2015	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Jun-2015	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	27-Jul-2015	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	10-Sep-2015	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	19-Nov-2015	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	21-Mar-2016	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	31-May-2016	400,000,000 USD	Permitting (P2 - 18)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	23-Jun-2016	400,000,000 USD	Purchasing (E2 - 21)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	15-Jul-2016	400,000,000 USD	Purchasing (E2 - 21)
GRIFFITHVILLE GRASSROOT DIAMOND CRUDE OIL PIPELINE	14-Sep-2016	400,000,000 USD	Site Preparation (E2 - 26)

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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Project Name CUSHING GRASSROOT DIAMOND CRUDE OIL PIPELINE
Umbrella Project Name DIAMOND PIPELINE PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 6

Umbrella Project Summary The Diamond Pipeline is a 440-mile, 20 inch pipeline capable of transporting up to 200,000 barrels per day of domestic sweet crude from Cushing, Okla. to Memphis, Tenn.

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 250,000,000

SIC Code 4612 Crude Petroleum Pipelines

Sector Crude Pipelines

SIC Product 4612*0001 Crude Oil Pipelines

Status Complete / Done

Last Update 04-Dec-2017

Initial Release 08-Aug-2014

Environmental Air (A) Land (L) Water (W)

Construction Labor Preference Unconfirmed

Operations Labor Preference Union, Non-Unioir

Project Capacity **Planned** 200,000 BBL/d of Crude Oil



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	160	Miles (mi)	20	Inches (in)

Plant Owner Plains All American Pipeline

Plant Parent Plains All American Pipeline LP

Plant Name Cushing Crude Oil Pump Station

Unit Name

Plant ID 3128398

Location 740430 South 3510 Road

Phone +1 918 225 6717

City/State Cushing, Oklahoma 74023
U.S.A.

Zone/County OK*01, Payne

Project Responsibility Project Company

Project Contact

Project Manager Plains All American Pipeline LP
333 Clay Road Suite 1600
Houston, Texas 77002
U.S.A.

Stephen Lee
Project Manager
[Tel.] +1 713 646 4100
[E-Mail] slee@paalp.com (!)

Contracts Administrator Plains All American Pipeline LP
333 Clay Street Suite 1600
Houston, Texas 77002
U.S.A.

Ross Stevenson
Manager Construction Services
[Tel.] +1 713 646 4100
[E-Mail] rmstevenson@paalp.com (!) ; [LinkedIn] [rossmstevenson](#)

Procurement - Purchasing Plains All American Pipeline LP
333 Clay Street Suite 1600
Houston, Texas 77002
U.S.A.

Kevin Howard
Purchasing Manager
[Tel.] +1 713 646 4100
[LinkedIn] [kevin-howard-c-p-m-b801b133](#)

Specification and Reliability Plains All American Pipeline LP
740430 South 3510 Road
Cushing, Oklahoma 740306
U.S.A.

Brad Dooley
Terminal Operator
[Tel.] +1 918 225 6473 x6717

Planning & Scheduling Plains All American Pipeline LP
740430 South 3510 Road
Cushing, Oklahoma 74023
U.S.A.

David Shurtz
District Pipeline Manager
[Tel.] +1 918 225 3406
[E-Mail] dshurtz@paalp.com (!)

Consultant SWCA Envionmental Consultants
5745 Essen Lane, Suite 105
Baton Rouge, Louisiana 70810
U.S.A.

Chuck Fontenot
Senior Project Manager
[Tel.] +1 225 663 3830

Contractor Excel Mulching
2228 SE Loop
Carthage, Texas 75633
U.S.A.

Dustin Starkey
Northern Division Superintendent
[Tel.] +1 903 693 7511
[E-Mail] dustin@excelmulching.com (!)

G/C Strike Construction LLC
831 Crossbridge Drive
Spring, Texas 77373
U.S.A.

Derek Fuller
Project Manager
[Tel.] +1 281 362 9708
[E-Mail] derek.fuller@strikeusa.com

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Alan Roberts
Construction Manager
[Tel.] +1 979 542 9054
[E-Mail] alan@pumpco.cc

G/C Energy Services South LLC
301 N. Industrial Park
Livingston, Alabama 35470
U.S.A.

James Ozment
Senior Project Manager
[Tel.] +1 205 652 9165

PEC® Timing 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 160 miles in OK) 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 4Q17 (Oct).

Project Milestones	AFE 201606	Sub Bid Doc 201609	Completion 30-Nov-2017	Precision QUARTER
Long-Lead 201606	Equip RFQ 201609	Kick-Off 201610	Kickoff Slippage 17 Months	Duration 14 Months
Engineering	Electrical		Instrumentation	
Contracting	Electrical	Environmental	Instrumentation	
Project Key Needs	Civil/Site		Control Room	
	Instrumentation	Electrical	Mechanical	NDE
	Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves
	Communications			Transportation
Matter Phase	Liquid			
Energy				
Buy	Electricity			
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Douglas Fulkerson	[Phn.] +1 918 225 6717	Feb-2023
Terminal Manager		No	douglas-fulkerson-98562a19
Maintenance Manager	Kevin Cearley	[Phn.] +1 918 225 6473	Feb-2023
	kcearley@paalp.com (!)	No	
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
Environmental Manager	kcunningham@paalp.com (!)	No	kevin-cunningham-87880712
Utilities Manager	Kevin Cearley	[Phn.] +1 918 225 6473	Feb-2023
Maintenance Manager	kcearley@paalp.com (!)	No	
Human Resource Manager	Diana Enriquez	[Phn.] +1 713 646 4100 x35166	Feb-2023
Executive Assistant to VP of HR	diana.enriquez@paalp.com (!)	No	diana-enriquez-87812613

Historical Reports

Project Name	Report Date	TIV	Phase
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)



Project Name COYANOSA WAHA TO PRESIDIO (TRANS-PECOS) G-R NATURAL GAS PIPEL

[PEC Activity Diagram](#)

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 550,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Complete / Done

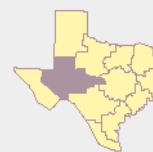
Last Update 27-Mar-2017

Initial Release 27-Feb-2015

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union



Project Capacity Planned 1,350 MMSCFD of Natural Gas, Gaseous (Methane)

Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	143 Miles (mi)		42 Inches (in)	

Plant Owner Oasis Pipeline Company Texas LP

Plant Parent Energy Transfer LP

Plant Name Waha Natural Gas Compressor Station

Unit Name

Plant ID 1073966

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 TX*06, Pecos

Project Responsibility Project Company

Project Contact

Project Director Energy Transfer Partners LP
800 East Sontera Boulevard Suite 400
San Antonio, Texas 78258
U.S.A.

Richard 'Rick' Smith
Engineering Director
[Tel.] +1 210 403 7300
[E-Mail] richard.smith@energytransfer.com

Project Manager Energy Transfer Partners LP
800 East Sontera Boulevard Suite 400
San Antonio, Texas 78258
U.S.A.

Bill Cochran
Project Manager
[Tel.] +1 210 403 7300

C/M MasTec Incorporated
800 South Douglas Road 12th Floor
Coral Gables, Florida 33134
U.S.A.

David Shujman
Construction Coordinator
[Tel.] +1 305 599 1800
[E-Mail] david.shujman@mastec.com

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Shawn Pruet
Project Manager
[Tel.] +1 979 542 9054

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Energy Transfer awards MasTec Inc (Construction Coordinator & Consortium Partners) and Pumpco (G/C) and performs Construction a Grassroot Natural Gas Pipeline. DETAILS: Trans-Pecos Pipeline Project, install 143 Miles of 42" diameter transmission pipeline to transport up to 1.35 Bcf/d of natural gas from the Waha Hub outside Fort Stockton, TX to the Mexico/United States border near Presidio, TX. REQUIRES: Trenching, Excavating, 42" Diameter Transmission Pipe, Cathodic Protection, Coatings, MCC Mods, Custody Transfers, Pig Launchers & Receivers, Block/Control Valves, Metering, Electrical Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Energy Transfer in conjunction with MasTec and Pumpco continues with Civil Work (clearing and Grading) and continues to release remaining Equipment RFQ's and Subcontractor Bid Packages 1Q16 (Jan) through 4Q16 (Nov). Civil Construction Commenced 1Q16 (Jan). Construction Kick-Off 1Q16 (Mar). Scheduled Project Completion 2Q17 (Apr).

Project Milestones

Long-Lead 201506 **Equip RFQ** 201601 **AFE** 201601 **Sub Bid Doc** 201611 **Kick-Off** 201601 **Completion** 21-Mar-2017 **Precision** DAY **Kickoff Slippage** -4 Months **Duration** 15 Months

Engineering

Contracting

Project Key Needs Civil/Site

Instrumentation

Piping/Fittings

Communications

Electrical

Electrical

Insulation/Coatings

Material Handling

Environmental HVAC

Mechanical HVAC

Environmental Utilities

Instrumentation

Instrumentation

Control Room

Valves

Mechanical

Heat Transfer

NDE

Pumps

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	Gilbert Singh	[Phn.] +1 210 403 7300	Mar-2023

	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-campbell-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-1ba85937

Historical Reports

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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Project Name FORT STOCKTON COMANCHE TRAIL GRASSROOT NATURAL GAS PIPELINE

[PEC Activity Diagram](#)

Industry Code 03 Oil & Gas Pipelines

Project Type Grassroot

TIV (USD) 275,000,000

SIC Code 4922 Natural Gas Transmission

Sector Natural Gas Pipelines

SIC Product 4922*0004 Natural Gas Pipelines

Status Complete / Done

Last Update 01-Feb-2017

Initial Release 12-Oct-2016

Environmental Air (A) Land (L)

Construction Labor Preference Unconfirmed

Operations Labor Preference Non-Union

Project Capacity

Planned 1,100 MMSCFD of Natural Gas, Gaseous (Methane)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	195 Miles (mi)		42 Inches (in)	

Plant Owner Energy Transfer Partners LP

Plant Parent Energy Transfer LP

Plant Name Gulf Gomez JF Hoover Natural Gas Compressor Station

Unit Name

Plant ID 3045809

Location 48 North Valero Plant Road, Off of Binion Lane

Phone +1 979 279 2462

City/State Fort Stockton, Texas 79735 U.S.A.

Zone/County TX*06, Pecos

Project Responsibility Project Company

Project Contact

Project Manager Energy Transfer Fuel LP
800 E Sonterra Blvd #400
San Antonio, Texas 78258
U.S.A.

John Bilhartz
Project Manager
[Tel.] +1 210 403 7300
[E-Mail] john.bilhartz@energytransfer.com

Compliance Energy Transfer Operating LP
1300 Main Street
Houston, Texas 77002
U.S.A.

Kelly Allen
Permit Engineer
[Tel.] +1 713 989 7000
[E-Mail] kelly.allen@energytransfer.com

Consultant GAI Consultants
2545 Spring Arbor Road #100
Jackson, Michigan 49203
U.S.A.

Larry Gremminger
VP of Operations
[Tel.] +1 517 513 8190
[E-Mail] larry@gremminger.com

G/C Pumpco Incorporated
P O Box 742
Giddings, Texas 78942
U.S.A.

Shawn Pruet
Project Manager
[Tel.] +1 979 542 9054

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Comanche Trail (with Energy Transfer - Constructor and Operator of the Pipeline) awarded Pumpco (G/C) and proceeds with Construction on a Grassroot Natural Gas Pipeline. DETAILS: Comanche Trail Pipeline Project, install 195 miles of 42" diameter transmission pipeline to deliver up to 1.1 Bcf/d of natural gas originating at the Waha Hub outside Fort Stockton, TX crossing through Pecos (0.19 Miles), Reeves (59 Miles), Culberson (51 Miles) and Hudspeth (65 Miles) Counties and terminating at the US-MX boundary in San Elizario, TX south of El Paso, TX (17 Miles). REQUIRES: Trenching, Excavating, 42" Diameter Transmission Pipe, Cathodic Protection, Coatings, Custody Transfer, Pig Launching & Receiving, MCC Mods, Control/Block Valves, Coatings, Electrical Utilities plus Controls. ENVIRONMENTAL: (A) Leak Detection, (L) Containment.

Schedule Energy Transfer with Pumpco continues with Construction Activities (Hydro-Testing Mainline Pipes) Field Supervision and Inspections. Construction commenced 2Q16 (May). Schedule Project Completion 1Q17 (Jan).

Project Milestones

AFE 201605	Sub Bid Doc 201611	Completion 30-Jan-2017	Precision QUARTER
Long-Lead 201511	Equip RFQ 201605	Kickoff Slippage 0 Months	Duration 9 Months
	Kick-Off 201605		

Engineering Contracting

Environmental

Project Key Needs Civil/Site

Control Room

Heat Transfer

Instrumentation Electrical

Mechanical HVAC

NDE

Piping/Fittings Insulation/Coatings

Environmental Utilities

Valves

Pumps

Communications

Transportation

Material Handling

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	Gilbert Singh	[Phn.] +1 210 403 7300	Oct-2022

	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)

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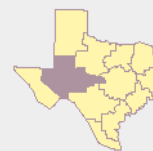
Project Name MIDLAND GRASSROOT LONE STAR EXPRESS NGL PIPELINE
Umbrella Project Name LONE STAR NGL

[PEC Activity Diagram](#)

Umbrella Project Count 2

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 1,000,000,000
SIC Code 4922 Natural Gas Transmission
SIC Product 4922*0010 Natural Gas Liquids Pipeline
Status Complete / Done
Environmental Air (A) Land (L)
Project Type Grassroot
Sector Natural Gas Liquids Pipelines
Last Update 12-Dec-2016
Initial Release 15-Dec-2014
Construction Labor Preference Unconfirmed
Operations Labor Preference Non-Union
Project Capacity Planned 495,000 BBL/d of Crude Oil



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	533	Miles (mi)	30	Inches (in)

Plant Owner Lone Star NGL LLC
Plant Name Midland NGL Pump Station
Plant ID 3033229
Location 10 Miles South of Midland
City/State Midland, Texas 79705 U.S.A.
Plant Parent Unit Name Energy Transfer LP
Phone +1 210 403 7300
Zone/County TX*06, Midland

Project Responsibility Project Company

Project Contact

Project Manager Energy Transfer Operating LP 1300 Main Street Houston, Texas 77002 U.S.A.	Diego Aponte Senior Engineer [Tel.] +1 713 989 7000 [E-Mail] diego.aponte@energytransfer.com
Project Manager Energy Transfer Operating LP 1300 Main Street Houston, Texas 77002 U.S.A.	Rita Lee Project Manager [Tel.] +1 713 989 7000
Project Executive Energy Transfer Operating LP 1300 Main Street Houston, Texas 77002 U.S.A.	Joey Mahmoud Vice President Engineering/Project Director [Tel.] +1 713 989 7000 [E-Mail] joey.mahmoud@energytransfer.com
Specification and Reliability Energy Transfer Partners LP 800 E Sonterra Blvd Suite 400 San Antonio, Texas 78258 U.S.A.	Tolley McCormick Engineering Manager [Tel.] +1 210 403 7300 [LinkedIn] Duplicate Contact
G/C Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Alan Roberts Construction Manager [Tel.] +1 979 542 9054 [E-Mail] alan@pumpco.cc
G/C Strike Construction LLC 831 Crossbridge Drive Spring, Texas 77373 U.S.A.	Matt Cook Project Manager [Tel.] +1 281 362 9708
G/C Precision Pipeline LLC 1119 Regis Court Ste 210 Eau Claire, Wisconsin 54701 U.S.A.	Ryan McKone VP of Project Management [Tel.] +1 715 874 4510 [E-Mail] rmckone@precisionpipelinellc.com

PEC® Timing C1

PEC® Activity Completion/Start-Up

Project Probability Completed (100%)

Scope Lone Star NGL LLC (J/V between Energy Transfer Partners and Regency Energy Partners) awards Pumpco Incorporated (G/C Spreads 1-3), Strike Construction (G/C Spreads 4 & 7), and Precision Pipeline (G/C Spreads 5&6)and continues Construction for a Grassroot NGL Pipeline. DETAILS: As part of a planned \$1.5 - 1.8 Billion NGL expansion, the Lone Star Express Pipeline, construct 533 miles of 24 and 30-inch diameter NGL transmission pipeline with (7) meter sites and multiple launcher/receiving sites from the Permian Basin to Mont Belvieu, TX to transport 375,000 BBL/d of NGL from the Permian Basin to Bosque County via the 24" line, and 495,000 BBL/d from Bosque County to Mont Belvieu. REQUIRES: Trenching, Site Preparation, 24" and 30"-Diameter Transmission Pipe, Cathodic Protection, Pig Launching, Coatings, Custody Transfers, Metering, Control/Block Valves plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment.

Schedule Lone Star NGL with Pumpco, Strike, and Precision continues Construction through 4Q16 (Dec). Lone Star NGL with selected G/C's releases remaining Equipment RFQ's and Subcontractor Bid Documents 4Q15 (Oct) - 1Q16 (Jan). Construction Commenced 4Q15 (Oct). Scheduled Project Completion 4Q16 (Oct).

Project Milestones	AFE 201508	Sub Bid Doc 201601	Completion 31-Oct-2016	Precision QUARTER
Long-Lead 201503	Equip RFQ 201601	Kick-Off 201510	Kickoff Slippage 1 Months	Duration 13 Months
Engineering Civil	Electrical	Environmental	Instrumentation Mechanical	

Contracting	Civil	Electrical	Environmental	Instrumentation	Mechanical	General [G/C]
Project Key Needs	Civil/Site Instrumentation Piping/Fittings Communications	Structural Electrical Insulation/Coatings	Mechanical Environmental Utilities	Control Room	Valves	NDE Transportation
Matter Phase		Liquid				
Energy						
Buy	Electricity					
Sell						

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
Plant Manager	Herbert Greene	[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022
	herbert.greene@energytransfer.com	No	
Maintenance Manager	Herbert Greene	[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022
	herbert.greene@energytransfer.com	No	
Purchasing Manager	Herbert Greene	[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022
	herbert.greene@energytransfer.com	No	
Engineering Manager	Tolley McCormick	[Phn.] +1 210 403 7300	Nov-2022
	tolley.mccormick@energytransfer.com	No	tolley-mccormick-05543951
Environmental Manager	Jacob Krautsch	[Phn.] +1 210 403 7300	Nov-2022
	Senior Director Environmental Compliance jacob.krautsch@energytransfer.com	No	jacob-krautsch-43b562167
Safety Manager	Jacob Krautsch	[Phn.] +1 210 403 7300	Nov-2022
	Senior Director Environmental Compliance jacob.krautsch@energytransfer.com	No	jacob-krautsch-43b562167
Utilities Manager	Herbert Greene	[Phn.] +1 432 561 9505 / [Alt.] 432 940 8311	Nov-2022
	herbert.greene@energytransfer.com	No	
Human Resource Manager	Erica Brandt	[Phn.] +1 210 403 7300	Nov-2022
	erica.brandt@energytransfer.com	No	erica-brandt-1ba85937

Historical Reports			
Project Name	Report Date	TIV	Phase
MIDLAND GRASSROOT NGL PIPELINE	15-Dec-2014	1,000,000,000 USD	Preliminary Design (P1 - 07)
MIDLAND GRASSROOT NGL PIPELINE	26-Jan-2015	1,000,000,000 USD	Detailed Design (P1 - 09)
MIDLAND GRASSROOT NGL PIPELINE	15-Sep-2015	1,000,000,000 USD	Planning and Scheduling (E2 - 25)
MIDLAND GRASSROOT LONE STAR EXPRESS NGL PIPELINE	15-Dec-2015	1,000,000,000 USD	Construction - Merit Shop (C1 - 36)
MIDLAND GRASSROOT LONE STAR EXPRESS NGL PIPELINE	12-Dec-2016	1,000,000,000 USD	Completion/Start-Up (C1 - 41)



Project Name BARSTOW GRASSROOT BARILLA DRAW CRUDE OIL PIPELINE LATERAL
Industry Code 03 Oil & Gas Pipelines **Project Type** Grassroot
TIV (USD) 25,000,000
SIC Code 4612 Crude Petroleum Pipelines **Sector** Crude Pipelines
SIC Product 4612*0001 Crude Oil Pipelines
Status Complete / Done **Last Update** 02-Oct-2015 **Initial Release** 10-Sep-2014
Environmental Air (A) Land (L) **Construction Labor Preference** Unconfirmed
Operations Labor Preference Union, Non-Union

[PEC Activity Diagram](#)



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Market Extension	20 Miles (mi)		16 Inches (in)	

Plant Owner Hoover Energy Partners LP **Plant Parent** Hoover Energy Partners LP
Plant Name Barstow Crude Oil Pump Station **Unit Name**
Plant ID 3130904
Location 134 FM 3398 **Phone** +1 432 527 3492
City/State Pecos, Texas 79772 U.S.A. **Zone/County** TX*06, Ward

Project Responsibility Project Company

Project Director Plains All American Pipeline LP
 333 Clay Road Suite 1600
 Houston, Texas 77002
 U.S.A.

Project Contact

Mike Walcavich
 Regional Project Manager - West Texas
 [Tel.] +1 713 646 4100
 [E-Mail] mwalcavich@paalp.com (!)

Project Manager Plains All American Pipeline LP
 333 Clay Road Suite 1600
 Houston, Texas 77002
 U.S.A.

Kyle Schuler
 Project Manager - West Texas
 [Tel.] +1 713 646 4100
 [E-Mail] kcschuler@paalp.com (!) ; [LinkedIn] kyle-schuler-6804b411

Contracts Administrator Plains All American Pipeline LP
 333 Clay Road Suite 1600
 Houston, Texas 77002
 U.S.A.

Ross Stevenson
 Contracts Manager
 [Tel.] +1 713 646 4100
 [E-Mail] rmstevenson@paalp.com (!) ; [LinkedIn] rossmstevenson

G/C Pumpco Incorporated
 P O Box 742
 Giddings, Texas 78942
 U.S.A.

Shawn Pruet
 Project Manager
 [Tel.] +1 979 542 9054

G/C Venable's Construction
 1800 South Washington Avenue, Suite 315
 Amarillo, Texas 79102
 U.S.A.

Joe Davidson
 Project Manager
 [Tel.] +1 806 381 2121
 [E-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 Pipeline Lateral. DETAILS: Construct 20 miles of 16" transmission pipe to transport 150,000 BBL/d Permian Basin crude oil from a planned gathering system south of Pecos, TX to Plains' Barstow Pump Station, and a second phase of 28 miles of 16" from Barstow to Wink, TX. REQUIRES: Site Preparation, Trenching, Excavation, 16" Diameter Pipe, Headers, Pump Station Interconnection, Flanges, Control Valves, Block Valves, Flow Metering, Custody Transfer, Pig Launching & Receiving, Road Crossings, MCC, Coatings plus Controls. ENVIRONMENTAL: (A) Leak Detection; (L) Containment, Liners.

Schedule Plains All American with Pumpco and Venable's Construction continues with Final Commissioning through 3Q15 (Sep). Plains All American with Pumpco and Venable's Construction releases remaining Equipment RFQ's and Bid Documents plus reviews and selects remaining Subcontractors as needed 2Q15 (Jun). Construction Phase I Commenced 1Q15 (Mar). Construction Commenced on Phase II 2Q15 (Apr). Expected Project Completion 3Q15 (Sep).

Project Milestones	AFE 201411	Sub Bid Doc 201506	Completion 15-Sep-2015	Precision QUARTER
Engineering Civil	Electrical	Environmental	Instrumentation Mechanical	Duration 7 Months
Contracting		Environmental		
Project Key Needs Civil/Site		Control Room		
Instrumentation	Electrical	Mechanical	NDE	
Piping/Fittings	Insulation/Coatings	Environmental Utilities	Valves	
Communications			Transportation	
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts

Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID
-------------------------	---------------------	-------------------	---------------------

Plant Manager	Justin Nicholson	[Phn.] +1 432 527 3492	Aug-2022
	jlnicholson@paalp.com (!) No		justin-nicholson-32b38521
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)



Project Name NEDERLAND PERMIAN EXPRESS PHASE II CRUDE OIL PIPELINE TWINNING
Umbrella Project Name PERMIAN EXPRESS PIPELINE PROJECT

[PEC Activity Diagram](#)

Umbrella Project Count 7

Umbrella Project Summary

Industry Code 03 Oil & Gas Pipelines
TIV (USD) 300,000,000
SIC Code 4612 Crude Petroleum Pipelines
SIC Product 4612*0001 Crude Oil Pipelines
Status Complete / Done
Environmental Air (A) Land (L)

Project Type Pipeline Addition
Sector Crude Pipelines
Last Update 29-Jul-2015 **Initial Release** 31-Aug-2012
Construction Labor Preference Non-Union
Operations Labor Preference Non-Union



Pipeline Installation Details

Installation Type	Pipeline Length	Unit of Measure	Pipeline Diameter	Unit of Measure
Greenfield	334	Miles (mi)	20	Inches (in)

Plant Owner Permian Express Partners LLC
Plant Name Colorado City Crude Oil Pump Station
Plant ID 3078921
Location 3250 County Road 4156
City/State Hermleigh, Texas 79526 U.S.A.

Plant Parent Energy Transfer LP
Unit Name
Phone +1 325 728 3162
Zone/County TX*01, Scurry

Project Responsibility Project Company

Project Contact

Project Manager	Sunoco Logistics Partners LP 1 Fluor Daniel Drive Sugar Land, Texas 77478 U.S.A.	Bob Moon Project Engineer [Tel.] +1 281 637 6200 [E-Mail] rlmoo@sunocologistics.com ; [LinkedIn] bob-moon-2b21517
Project Manager	Sunoco Logistics Partners LP 1 Fluor Daniel Drive Sugar Land, Texas 77478 U.S.A.	Phillip Roberts Operations Development Manager [Tel.] +1 281 637 6200
Project Director	Sunoco Logistics Partners LP 1 Fluor Daniel Drive Sugar Land, Texas 77478 U.S.A.	Jimmy Torbet Project Manager [Tel.] +1 281 637 6200
Project Executive	Sunoco Logistics Partners LP 1 Fluor Daniel Drive Sugar Land, Texas 77478 U.S.A.	Raj Devarpiran Engineering Manager [Tel.] +1 281 637 6200
Planning & Scheduling	Sunoco Logistics Partners LP 1 Fluor Daniel Drive Sugar Land, Texas 77478 U.S.A.	Chris Martin Business Dev. Manager [Tel.] +1 281 637 6200
Eng	Rooney Engineering Incorporated 12201 East Arapahoe Road C-10 Englewood, Colorado 80112 U.S.A.	Mark Johnke Vice President Engineering [Tel.] +1 303 792 5911
G/C	Strike Construction LLC 831 Crossbridge Drive Spring, Texas 77373 U.S.A.	Matt Cook Project Manager [Tel.] +1 281 362 9708
G/C	Pumpco Incorporated P O Box 742 Giddings, Texas 78942 U.S.A.	Alan Roberts Construction Director [Tel.] +1 979 542 9054 [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 4Q14 (Oct). Expected Project Completion 3Q15 (Jul).

Project Milestones	AFE 201310	Sub Bid Doc 201504	Completion 15-Jul-2015	Precision WEEK
Long-Lead 201408	Equip RFQ 201504	Kick-Off 201410	Kickoff Slippage 12 Months	Duration 10 Months
Engineering Contracting	Environmental			
Project Key Needs			NDE	
	Insulation/Coatings Environmental			
Matter Phase	Liquid			
Energy				
Buy Electricity				
Sell				

Plant Standard Contacts			
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	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	rscléments
Safety Manager	Dorothy Rurak	[Phn.] +1 713 989 7000	May-2023
Senior 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 Reports			
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)