( ) FransCanada	NDE	Progress Report		Form Rev.	KEYSTO	VE PIPI	ELINE
Date of Inspection:	March 13, 2013	Spread	T 3	Page	1	of	1
Welding Contractor:	Sunland		ontractor:		SHAW	1 1	
		· · · · · · · · · · · · · · · · · · ·					
·		Date of inspection:		To Da	te:	7	
		March 13, 2013		March 13	, 2013	1	
AUT SMAW Maingang total:	and the second s	27	• •	499	<del></del>	1	
Reject:		6		520	1		
Cutouts:		3		85		1	
Reject Rate:		33.3		12.		7	
							-
AUT SMAW Minigang total:		0		0		)	
Reject:		0		0	<del></del>		
Cutouts:		0		0	· · · · · · · · · · · · · · · · · · ·	7	
Reject Rate:	The state of the s					1	
			<u> </u>				
AUT (All Tie-Ins, Fab., Road Bore	es) total:	0		176	}		
Reject:		0		24		1	
Cutouts:		0		5		-	
Reject Rate:				16.5	5	1	
Nojoot Nato.							
RT (All Tie-Ins, Fab., Road Bores	) total:	14		626			
Reject:	, totali	1		86	·	1	
Cutouts;		0		3		-	
Reject Rate:		7.1		14,2	)	┪	
Reject Rate.				1712	- 		
AUT and RT Repairs total:		0		766		1	
Reject:		0		64		1	
Cutouts:		0		110		-	
Reject Rate:				22.7		-	
Reject Nate.						<u></u>	
			1,4 21 1 3 3 4 5 5 7 78				
		GRANDITOTALS	CASA INTERNA			ie ausi	经常物
Totals (temporary welds not incl	iqeq).	41	24,65,22,43,22,40,2	579	<u>∞ (100 (100 × 10</u> 3	<u> </u>	08-08 (908 08-08 (908
Total Rejected:	zucuj.	7		630		1	
Total Cutouts:		3		93		1	
Total Reject Rate:		24.4		12.5	;	┪	
Total Reject Nate.						<del></del>	
		Remarks	STERNIGENTON ACT			1911 (A)	3777375
		estable and affect and differ and defined and desire and distinct and the first and th	whon a rangir	ic rejected it :	vill be plac	end in	grasso the
NOTE: This document has been a							tile
cut-out section as only o				epan is grand	su by tor	<u>L.</u>	
Any reject that is over 30% of the	OD Circumierence wi	ii be recorded in the cut-	out alea.	·			
				· · · · · · · · · · · · · · · · · · ·			
		· .		<del></del>			
			<u> </u>				
DE Supervisor:	<u> </u>	Robert Lake		<del></del>			
Keystone NDE Engineer:	Gary Rolland	Signature:	O.DAI	2-1			
NDE Technicians:		derson, Jason Miller, Daniel I	Bailey, Jack Men	divil, Chád Ashle	•v		

195.234 , S.C 18,20

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( TransCanada	NDE Progress Report					Form W12 Rev. 1 KEYSTONE PI				
Date of Inspection:	March 14, 2013		Spread	3	Pa	ge	1	of	1	
Welding Contractor:	Sunland	NDE C		ontractor:	SHA		HAW		<u> </u>	
•				<u>.</u>	1.44					
		Date	e of inspection:		42	To Dat	e:	7		
		M	arch 14, 2013		March 14, 2013					
AUT SMAW Maingang total			41			5037				
Reject:			0		520			7		
Cutouts:		1					86			
Reject Rate:			2.4		12.0			$\mathbb{L}$		
AUT SMAW Minigang total:			0			- 0				
Reject:		0				0				
Cutouts:			0		10.7	- 0				
Reject Rate:					State 1					
	e de la companya del companya de la companya del companya de la co									
AUT (All Tie-Ins, Fab., Road	Bores) total:		0			176				
Reject:			0		1.	24				
Cutouts:			0			5				
Reject Rate:						16.5				
	Salah Sa	محمد بالمحمد المحمد								
RT (All Tie-Ins, Fab., Road E	Bores) total:		16			642				
Reject:			0			86				
Cutouts:			0			- 3				
Reject Rate:			0.0			13.9				
		1 16. 1	to book and the second		1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>				•	
AUT and RT Repairs total:			10	a de la companya de l		776				
Reject:		<u></u>	0		1,115	64				
Cutouts:			0 .			110		]		
Reject Rate:			0.0		(	22.4	`)			
						<b></b>				
			والمراجع وا		Santi Santi II.					
		GRANI	D TOTALS				有的影響		中的特	
Totals (temporary welds not included):		57			5855			_		
Total Rejected:			0			630				
Total Cutouts:			1 :		i.	. 94		_	4	
Total Reject Rate:			1.8			12.4				
		Rei	marks		0.244.53			(f. 1981)	2.89	
NOTE: This document has be	een adjusted to reflect the c	ut-out	s. From now on	when a repair	is reject	ed it w	ill be pla	ced in	า the	
	nly one repair attempt is all				epair is	grante	d by TCF	<u>L.</u>		
any reject that is over 30% of	f the OD circumference will	be rec	orded in the cut	t-out area.	<u> </u>					
			·	<u></u>						
		<del></del>			<u> </u>	·	-			
		· · · · · · · · · · · · · · · · · · ·						<u>.</u>		
·		<del></del>		<u></u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·				
		·						<u> </u>		
, Supervisor:	was a second and the		Robert Lake	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11/2/			<u>-</u>		
eystone NDE Engineer:	Gary Rolland		Signature:	TARRESTO	nd	· · · · · · · · · · · · · · · · · · ·				
DE Technicians:	Carol Dean Ande	∍rson, J	lason Miller, Daniel	Bailey, Jack Men	divil, Cha	d Ashle	/			

195.234 , S.C 18,20

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() TransCarrada						Rev. 1	KEYSTO	ONE PIPELIN		
Date of Inspection:	March 15, 2013		Spread	3	Pa	age	1	of	1	
Welding Contractor:	Sunland		NDE	Contractor:		5	WAH			
		Date	of inspection:	48, 44,		To Da	te:			
		March 15, 2013			M	March 15, 2013				
AUT SMAW Maingang total:			34			5071				
Reject:			0		ta ana	520				
Cutouts:		<u> </u>	0 .			86				
Reject Rate:			0.0		<u> </u>	12.0				
		-		<u> </u>	<u> Syra</u>					
AUT SMAW Minigang total:	The state of the s	<u> </u>	0			0		_		
Reject:			0		0					
Cutouts:			0 .		0				•	
Reject Rate:								<u> </u>		
		· · · · · · · · · · · · · · · · · · ·								
AUT (All Tie-Ins, Fab., Road	Bores) total:		0			176		_		
Reject:	and the second s		0					24		
Cutouts:			0	_		5				
Reject Rate:						16.5				
	and the second s	4						,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
RT (All Tie-Ins, Fab., Road B	ores) total:		16			658		_		
Reject:	•		1			87		_		
Cutouts:			0			3				
Reject Rate:	and the second s		6.3			13.7				
		<del>Y</del>			i serve eri <del>Samprinsa</del> ns					
AUT and RT Repairs total:			5		*	781		4		
Reject:			0			64	-	_		
Cutouts:		<u> </u>	0		·	110		_		
Reject Rate:		<u></u>	0.0	1		22.3			<del></del>	
decente cincul la cincul l'action d'estables distributes la cincul l'action de la cincul l'action de contracti	u Podrav Podravila dika nodina Jeografia dia Prodesi	Managa aku ye	0/20/20/20/20/20/20/20/20/20/20/20/20/20	metriculation	olyta i Sollata i Sollata.	a dacta Problem	icalasis Grada Geo	lleti ka deta	iralistis Grabitis	
		GRANL			1973/2012 			736 (73)	47/1/2013	
Totals (temporary welds not	included):	ļ	50			5905		4		
Total Rejected:		<del> </del>	1	_		631				
Total Cutouts:			0			94 12.3		-		
Total Reject Rate:		<u> </u>	2.0			12.3				
	no lignorio ne na valente de la compania de la com	annya nawa	<u> </u>	merskines alversalines	Riferra Street of Riferra	4879/02/25/9/0	and a state of the	10002.115979	8008-0198	
		45 (25) 1 1 1 5 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	narks -	<u>(5-765-765-765-76</u>						
NOTE: This document has be									n tne	
	nly one repair attempt is a				d repair is	grante	a by IC	<u> </u>		
any reject that is over 30% of	the OD circumference wi	ii be rec	oraea in the c	ut-out area.	·					
					- 1					
					·					
	<u> </u>					· · · · · · · · · · · · · · · · · · ·				
JE Supervisor:	and the second s		Robert Lak	(e	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					
eystone NDE Engineer:	Gary Rolland		Signature:	20RHall	and					
DE Technicians:	the state of the s	derson. J	ason Miller, Dani	el Bailey, Jack N	Mendivil, Ch	ad Ashle	у			
105 024							<del></del>			

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() TransConado	NDE I	Progress Repo	port Form W12 Rev. 1 KEYSTON					ONE PI	E PIPELINE		
Date of Inspection:	March 18, 2013	Spi	pread 3		Pa	age	1	of	1		
Welding Contractor:	Sunland		NDE Contrac	tor:		S	HAW				
					alanka .						
		Date of inspect	tion:			To Dat	e:				
		March 18, 20	13		M	arch 18	2013				
AUT SMAW Maingang total:		44	11 11			5148	3				
Reject:		3			529						
Cutouts:		0			86						
Reject Rate:	8/1/19/2	6.8				11.9					
				N. A. Fran							
AUT SMAW Minigang total:		0				0					
Reject:		0				. 0					
Cutouts:		. 0				0					
Reject Rate:		.a.									
					1						
AUT (All Tie-Ins, Fab., Road	Bores) total:	3				179					
Reject:		. 0			1.5.	24					
Cutouts:		0				5		7			
Reject Rate:		0.0				16.2					
	in the same of the same setting was		in the first	ahu araiya	5.1154) etc.						
RT (All Tie-Ins, Fab., Road B	ores) total:	. 12		18 112	1975	676					
Reject:		1				, 88		7			
Cutouts:		0				3					
Reject Rate:		8.3			2000	13.5					
		N. S. C.			1921						
AUT and RT Repairs total:		8	14.5		a sala t	792					
Reject:		0				64					
Cutouts:		0				110					
Reject Rate:		0.0				22.0	<del>7 -</del>				
			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		r ( 1004-0						
		GRAND TOTALS	排消的物件				ijojenoj		斯為斯		
Totals (temporary welds not	included):	59				6003					
Total Rejected:		. 4				641			1		
Total Cutouts:		. 0				94					
Total Reject Rate:		6.8			i de la composición dela composición de la composición dela composición de la compos	12.2			ı		
				DIA A FITT	NA.A.						
		Remarks									
NOTE: This document has be	en adjusted to reflect the c	ut-outs. From no	ow on when	a repair i	is rejec	ted it w	ill be pla	ced ir	the		
	nly one repair attempt is allo										
Any reject that is over 30% of	the OD circumference will I	be recorded in t	he cut-out ar	ea.							
			a a second								
	1 TW weld on test header insp	ected by RT, not i	ncluded in ab	ove num	bers.						
	3 TW welds on pull heads insp										
IDE Supervisor:		Rober	t Lake								
(eystone NDE Engineer:	Gary Rolland	Signatu		KRO	Kur	d					
IDE Technicians:	Carol Dean Ande	rson, Jason Miller,	Daniel Bailey,	Jack Men	divil, Cha	d Ashley	,		$\Box$		