



BRIDGE PLUG SETTING RECORD

Company		Suncor Energy			
LSD.	Well	Suncor et al Tweed Lake M-47			
SEC.	Field	Tweed Lake			
TWP.	Province	NWT	Country	Canada	
RGE.	Surface LSD	300M476700125450	Well License No.	1476	
WEST	Downhole UWI	300M476700125450			
	LSD.	SEC.	TWP.	RGE	W.
Permanent Datum	Ground Level	Elevation	429.10	meters	Elev K.B. 435.22 meters
Log Meas. From	Kelly Bushing	Meters Above Datum	6.12	meters	Elev D.F. N/A meters
Drilling Meas. From	Kelly Bushing			Elev G.L.	429.10 meters
Date	February 14, 2105	Max. Recorded Temp.	N/A		Deg. C
Log Type	CCL	Service Order No.	4529-00055		
Depth Logger	1191.0	Unit Number	152		
Bottom Log Interval	1191.0	Location	Red Deer		
Top Log Interval	1120.0	Tool Number	CCL-114.3		
Meters Measured	71.0	Copy Type	Field		
Depth Driller	1418.0	meters			
Fluid Level	Surface	Recorded By	C. Giesbrecht		
Fluid Type	Inh. Water	Witnessed By	J. Gunn		
Casing Record	Size (mm)	Wt. (kg/m)	Top (m)	Bottom (m)	Bit Size (mm)
Conductor Casing	508.0	140	Surface	23.0	610.0
Conductor Casing	340.0	101	Surface	64.0	445.0
Surface Casing	245.0	60/65	Surface	760.0	311.0
Production Casing	178.0	43	Surface	1418.0	216.0
Open Hole	Bit Size (mm)	From (m)	To (m)		
Tubing Record		Existing Perforating Intervals			
Size (mm)	Wt. (kg/m)	From (m)	To (m)	From (m)	To (m)
			1222.5	1233.5	
Other Services	Type	Size (mm)	Depth (m)	Comment	
Junk Basket Gauge Ring	Titan	152.0	1195.0	Tag top of Packer.	

Logs Attention To:	
Remarks	Packer Set At 1196.0 mKB, 73mm Bridge Plug Set In Tailpipe Below Packer.
Reference Company	Schlumberger
Date	March 2, 2004
Log Type & Ref. Pass	Main Pass, Compensated Cement Bond Log.

N/A is defined as Not Available or Not Applicable.

Disclaimer

All Interpretations are based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross negligence on our part, be liable or responsible for any loss, cost, damages, or expenses incurred or sustained by anyone resulting from any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Well Service Data Page

Gun Specification			Wellbore Equipment				
Carrier Type				Size (mm)	Type	Model	Depth
Phasing			Bridge Plug	177.8	Map	Permanent 10 K	1188.0 mKB CE
Carrier Size		mm	Retainer				
Charge Type			Packer				
Charge GM. Wt.		grams					
Penetration		mm					

Entry Hole			mm					
Shot Density	# of Shots	Perf. From	Interval To	Comments				
				Plug Tested to 7 Mpa For 10 Minutes, Test Good.				
				Dump Arctic Blend Cement Onto Bridge Plug.				
				Thank You For Using Lonkar Services Ltd.				

Setting Tool Configuration

Shooting CCL

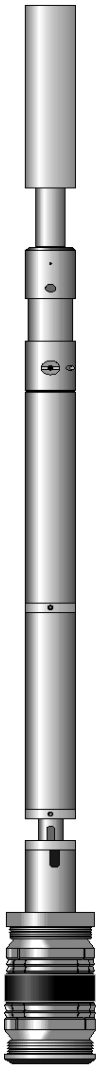
Serial #: CCL-114.3
Length: 0.80 m Max Diameter: 114.30 mm

Setting Tool

Serial #: Baker #20
Length: 2.20 m Max Diameter: 79.38 mm

Bridge Plug

Serial #: Map 10 K Permanent
Length: 0.50 m Max Diameter: 140.00 mm



0.00 m - CCL

2.60 m Top of Bridge Plug

2.80 m Rubber

3.10 m Bottom of Bridge Plug

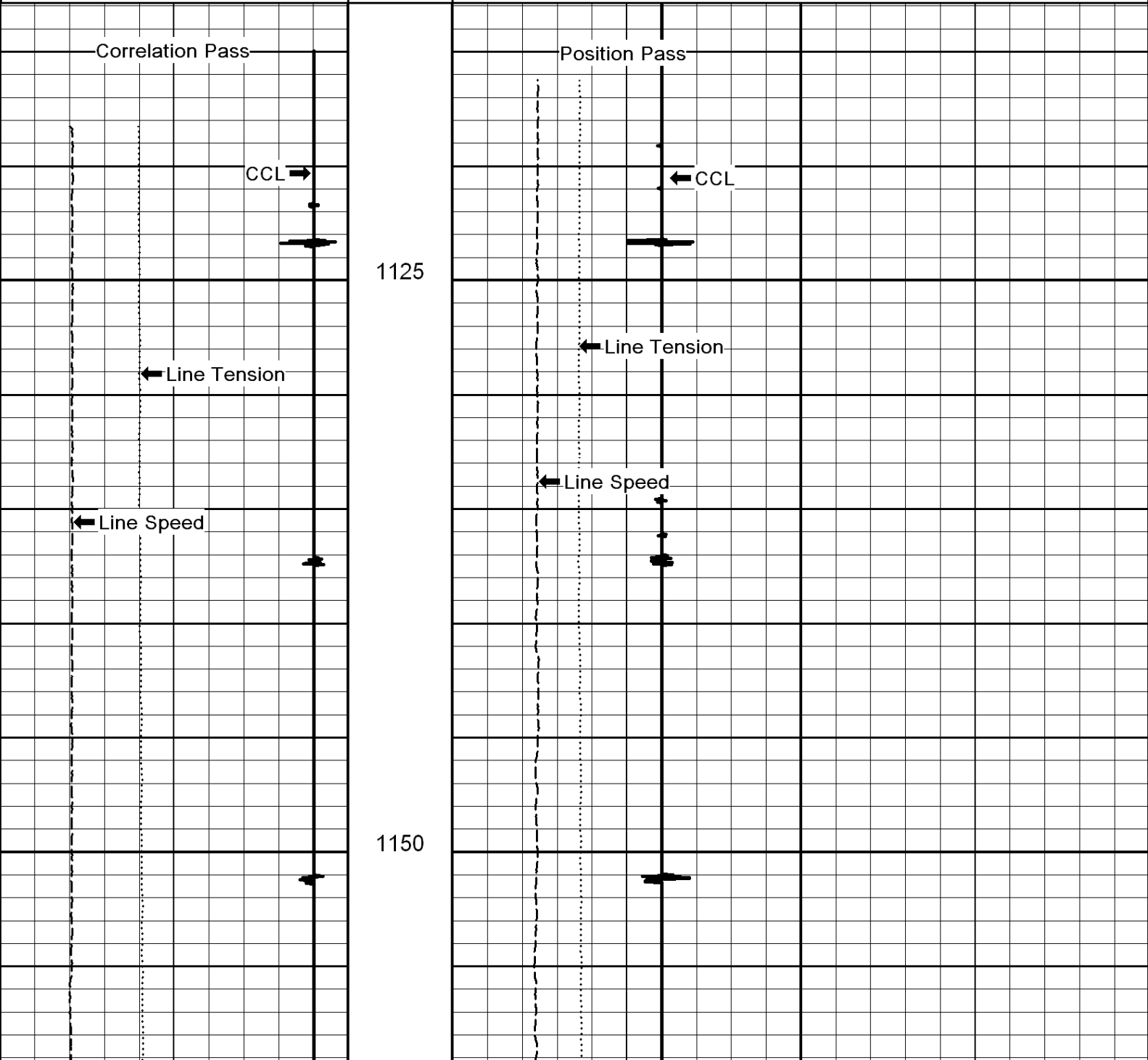
Trace Summary

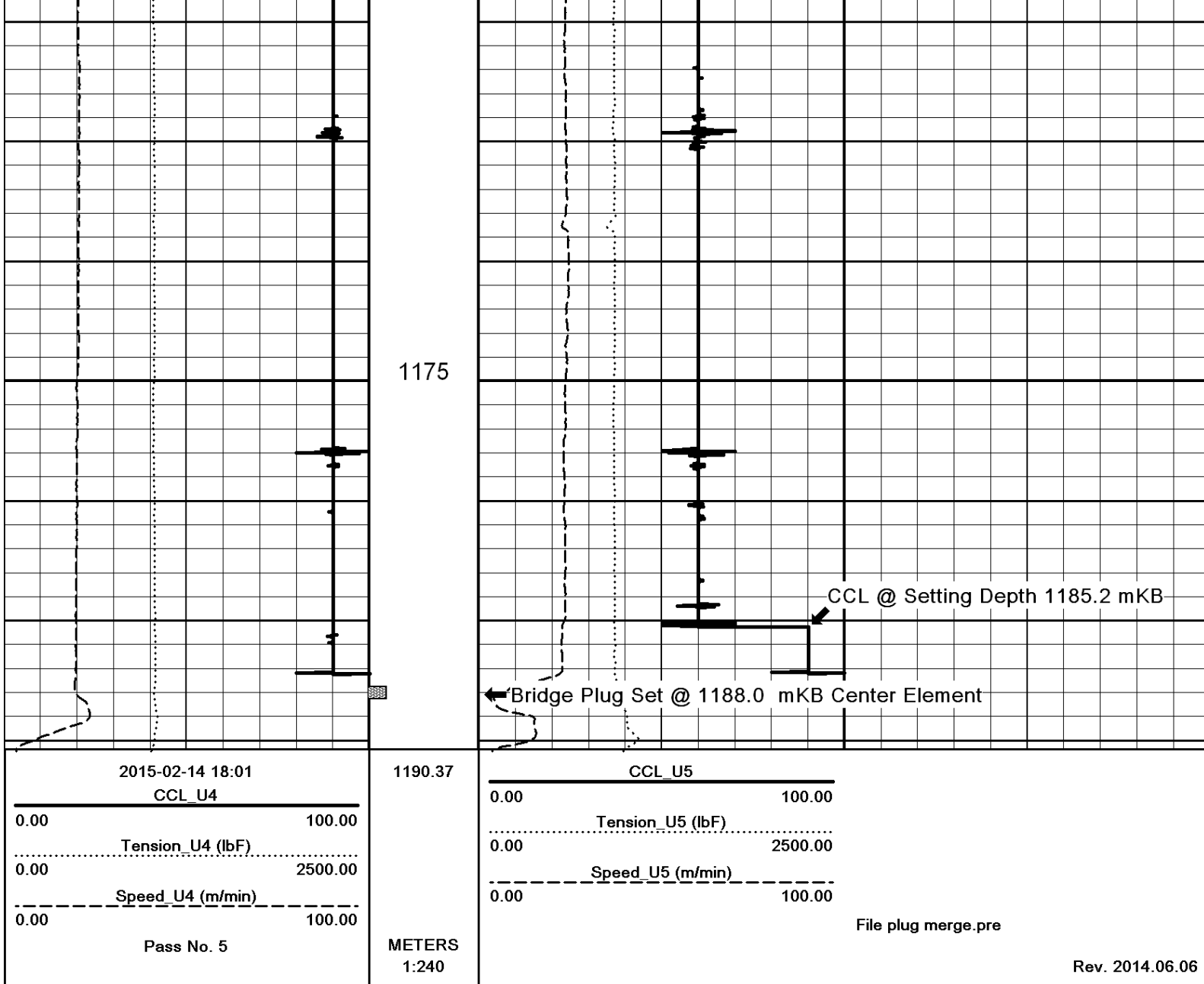
Name	Units	Track	Chart Left	Chart Right	Channel	Gain	Shift	Filter	Coeff	Depth Offset(m)	Time Sample
CCL_U5		2	0	100	3	40	90	CCLThreshold	1	0	
Tension_U5	lbF	2	0	2500		1	0	Butterworth	1	3.1	
Speed_U5	m/min	2	0	100		1	0	Butterworth	1.2	3.1	

Speed_U3	m/min	2	0	100	3	40	90	Butterworth	1.2	3.1
CCL_U4		1	0	100				CCLThreshold	1	0
Tension_U4	lbF	1	0	2500		1	0	Butterworth	1	3.1
Speed_U4	m/min	1	0	100		1	0	Butterworth	1.2	3.1

Center Element Set at 1188.0 mKB

2015-02-14 18:01 CCL U4	METERS 1:240	CCL_U5 0.00 100.00 Tension_U5 (lbF) 0.00 2500.00 Speed_U5 (m/min) 0.00 100.00
0.00 100.00 Tension_U4 (lbF) 0.00 2500.00 Speed_U4 (m/min) 0.00 100.00	1112.91	File plug merge.pre Rev. 2014.06.06
Pass No. 5		





Rev. 2014.06.06



Company Suncor Energy

Well Suncor et al Tweed Lake M-47

Field Tweed Lake

Surface LSD 300M476700125450

Downhole UWI 300M476700125450

Province NWT