

Well Name: CVE WEYBURN UNIT INJ 6-30-5-13

Bottom Hole UWI 101/06-30-005-13W2/00		Surface Legal Location LSD 6-30-5-13W2		Pad		License # 60G026		Spud Date 1960-07-22		Rig Release Date 1960-08-02	
Well Type INJECTOR		Fluid Type WATER		Sour Status		Sour Status Date		Profile Type VERTICAL		Total Depth (mKB)	
Original KB Elevation (m) 582.80		Working GLE (m) 579.70		Casing Flange Elevation (m) 579.80		Tubing Head Elevation (m)		KB-Ground Distance (m) 3.10		KB-CF (m) 3.00	
KB-TH (m)											

Directions To Well

Wellheads

Type	Make	WP (kPa)

Wellbores

Wellbore Name ORIGINAL HOLE		Parent Wellbore ORIGINAL HOLE		Profile Type VERTICAL		Kick Off Point (mKB) 0.00		Directional Survey	
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Deepest Wellbore Section

Section	Size (mm)	Top (mKB)	Btm (mKB)	Act Top (TVD) (mKB)	Act Btm (TVD) (mKB)

Last PBD

Date	PBDT Depth (mKB)	Type	Method	Comment
	1,478.55			

Zones

Zone Name	Alt Zone	Comment

Casing Strings

Casing Description	Run Date	String OD (mm)	String ID (mm)	String Wt (kg/m)	String Grade	Set Depth (mKB)
SURFACE CASING	1965-12-10	219.1	205.7	35.720	J-55	89.33
PRODUCTION CASING	1965-12-11	139.7	127.7	20.830	J-55	1,485.29

Cement

Description		Type	Cementing Start Date		Cementing End Date
Top (mKB)		Bottom (mKB)	Full Return? No		Cement Volume Return (m³)
Fluid Description		Fluid Type	Amount (tonnes)		Class
Add			Type		Amount

Other In Hole

Description	Make	Model	Top (mKB)	Btm (mKB)	Run Date

Perforations

Date	Type	Top (mKB)	Btm (mKB)	Zone	Chg Sz (g)	Shot Dens (shots/m)	Phasing (°)	Current Status
1960-08-09		1,461.20	1,462.10			0.0	0	
1960-08-09	GLASS JET STRIP	1,462.10	1,467.00			0.0	0	

Stimulations & Treatments

Date	Zone	Stim Type & Mode	Min Top Depth (mKB)	Max Btm Depth (mKB)	V (pumped) (m³)	V (recov) (m³)

Comment

Logs

Date	Top (mKB)	Btm (mKB)	Type	Cased Hole Log?
				No

Tubing Strings

Tubing Description TUBING STRING (PRODUCTION)							Run Date 1997-06-06		Bottom or Set Depth (mKB) 1,438.39		
Item Description	Make	Model	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Jts	Len (m)	Top (mKB)	Btm (mKB)	
PUP JOINT	41.9 Drift ID		60.3	41.9			1	1.22	3.00	4.22	
TUBING	41.9 Drift ID		60.3	41.9			150	1,433.28	4.22	1,437.50	
PACKER	BAKER		139.7				1	0.89	1,437.50	1,438.39	

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Rods									
Rod Description					Run Date			Set Depth (mKB)	
Item Description	Make	Model	OD (mm)	Wt (kg/m)	Grade	Joints	Length (m)	Top (mKB)	Bottom (mKB)

Well Tests			
Date	Zone	Type	SubType

Pressure Survey Tests			
Date	Zone	Type	SubType

Equipment Pressure Tests			
Date	Type	Test Fluid Type	Failed?
			No

Fluid Analysis Tests							
Date	Tested By	Zone	Oil Density (kg/m³)	Gas Density (kg/1...)	Water Density (kg...)	H2S (ppm)	Salinity (ppm)
Comment							

General Notes	
Date	Comment
1960-08-01	Reason: LOGS MICROLATEROLOG 1484.9 - 1402.1 ELECTRICAL LOG 1485.3 - 89.3
1960-08-01	Reason: BOTTOMHOLE TEMP 52 DEGREES CELCIUS FROM LOG
1960-08-09	Reason: LOGS RADIOACTIVITY LOG 1473.7 - 1417.3
1965-12-10	Reason: LOGS COMPLETION RECORD 1462.1 - 1467.0
1965-12-10	Reason: STIMULATIONS 1461.2 - 1467.0 DISPLACED 1136 L OF MUD ACID TO PERFS. WASHED .16M3 PAST PERFS. WENT ON VACUUM. SQUEEZED MUD ACID INTO FORMATION FOLLOWED BY 9.1 M3 OF CRA AND 1.58 M3 OF WATER OVERFLUSH. ACID DISPLACED AT 1.11 M3/MIN. AT 3447 KPA.
1967-04-01	Reason: HISTORY PULLED 60 MM TUBING AND RAN 48.3 MM CEMENT LINED, RICE GASKETS AND RECONDITIONED 140 MM LARKIN.
1987-09-30	Reason: HISTORY PULLED LARKIN PACKER AND 48.3 MM TUBING. SCRAPED AND DRILLED TO PBTD (1478.55 MKB). RAN NEW 140 MM BAKER AD-1 AND 151 JOINTS AND DUO-LINE TUBING FROM 06-24-006-14.
1997-06-02	Reason: INFORMATIVE PERMANENT RIG ANCHORS INSTALLED.
1997-06-09	Reason: HISTORY CLEANED TO PBTD. INSTALLED NEW MINOR KVAERNER WELLHEAD.

Well Name: CVE WEYBURN UNIT INJ 6-30-5-13

General Notes

Date	Comment
2000-08-16	Reason: INFORMATIVE RIG ANCHORS PULL TESTED.
2005-08-08	TVD: 1485.9
2005-08-12	2005 CASING PRESSURE TEST ATTACHED IN ATTACHMENT FOLDER
2009-07-20	CHANGE OUT CORRODED TBG BONNET ,INSTALLED 2 7/8" BONNET WITH MASTER VALVE, NOTE WELL HAS A STANDARD 2 3/8 HANGER C/W BPV PREP ENC COATED . NOTE ! CHECK WELL FILE FOR KEN SCHERYER NOTES, JOB COST \$ 11,000 C/W BONNET COST
2011-10-04	Quality Wireline. Had Ted Nanninga with Tera sweep location for Leopard frogs prior to moving onto location. Safety meeting. Moved on and spotted equipment. Tbg = 4,600 kpa, Csg = 400 kpa. Rigged onto tbg with lub and 35 mm tool string c/w 35mm gauge ring. Ptst lub to 2.0 mpa and 14.0 mpa. Good. Open to well. Rih with slickline at 35m/min. Tagged at tbg bottom @ 1,438.4m. Could not get past. Pulling over. Pooh. Removed 35mm string and installed 32 mm tool string. Rih and tagged same. Tried to work string through but not going and pulls over 400 - 500 lbs when coming up off tag. Pooh. Rig out equipment. Ted checked loction prior to moving equipment off location. Moved off lease. \$9,000.00 CR
2011-10-09	PUMPED 0.5m WATER AHEAD, 2.0 m3 XYLENE FOLLOWED BY 1.4m3 WATER. 1.0 m3 OF XYLENE OUTSIDE OF TUBING. LET SIT FOR 1 HOUR. PUMP 0.5m SOURCE WATER DOWN TUBING FOLLOWED BY 2.0m3 15% HCL FOLLOWED BY 2.3 m3 SOURCE WATER.RIH WITH WIRELINE AND TAGGED AT 1444 MKB. SPURRED INTO . TOOK 125# TO PULL FREE. JG
2011-10-14	Axewax: Tbg = 3,500 kpa. Did pre-sweep of location for Leopard frogs and good. Safety meeting. Discussed Erp, Fire triangle, Reg 412. Went over procedures and hazards for job. Discussed Leopard frogs and checking before moving equipment. Moved and spotted equipment on lease. Rigged in Axewax. Ptst to 2.0 mpa and 14.0 mpa. Good. Squeezed 2.0 m3 Xylene and followed with 1.0 m3 15% Hcl Midale injection Blend Acid putting .5m3 Xylene into perms. Wait for 15 min. Staged Xylene through in 15min x 500l stages. Staged 1 st 2.0 m3 acid in 500l x 30min stages. Squeezed 2nd stage of Xylene at 30l/min and spotted 1st stage of 2nd acid and let soak 30 min. Staged last 1.5 m3 Acid in 500l x 30 min stages. Overflushed acid with 8.5 m3 source water @ 130l/min @ 5.6 mpa. Stopped. Sitp = 3.8 mpa. Rigged out Axewax. \$ 24,000.00 CR
2011-10-15	Move in Quality and related equipment. Hold pre-job safety meeting and discuss job procedures. Discuss leopard frog situation and completed a sweep. SITP-3500 Kpa. SICIP-TSTM. Run in the hole with 35mm tool string,spangs and gauge ring. Run in the hole at 35 M/Min. Tagged obstruction at 1441 C.F. Spanged out and worked threw it. Tagged again @ 1445 C.F. Worked threw it. Tagged again @ 1458 C.F. Worked threw it. Tagged PB @ 1470 C.F. Worked gauge ring threw 1470 C.F and 1441 C.F 3 times. POOH. Rig out. Total cost 4550. AFraser
2011-10-16	Move in Weatherford and related equipment. Hold pre-job safety meeting and discuss job procedures. Discuss leopard frog situation and completed a sweep. SITP-3300 Kpa. SICIP-TSTM. Run in the hole with 35mm tool string,and 42.8mm sinker bars Could not get passed 16 m into the wellbore. Rmove 42.8mm sinker bars and install 35mm sinker bars.Got passed obstruction. Tagged @ 1468.3 m. POOH. Good for spinner survey Total cost 14450. AFraser
2011-10-18	Move in Weatherford and related equipment. Hold pre-job safety meeting and discuss job procedures. Discuss leopard frog situation and completed a sweep. SITP-3300 Kpa. SICIP-TSTM. Run in the hole with 35mm tool string,temp,R/A tracer and flow meter tools and 35mm sinker bars.Tagged @ 1468.3 m. Injecting @ 350 L/M. to achieve the 500 m3/day rate. Complete successful injection profile. POOH. Total cost 39,250. AFraser

Attachments

Description
2005 Casing Pressure Test.xls



Weatherford®

Production Logging Services

Injection Profile

Company: CENOVUS ENERGY INC
Field: WEYBURN
Well: CVE WETBURN UNIT INJ 6-30-5-13W2
Survey Date: October 18, 2011
Service Company: Weatherford Canada Partnership
Interpretation Date: 10/19/2011
Prepared By: Asif Kardar/Munir



Weatherford Canada Partnership • 1200, 333 - 5th Avenue SW • Calgary • Alberta • T2P 3B6 • Canada
403 693-7500 403 693-7722 Fax

Disclaimer: All interpretations are opinions 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 case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses occurred or sustained by anyone resulting from any interpretations made by 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.

Purpose of Survey.

To Profile water injection into the perforated intervals and to look for OOZ losses if any.

General Interpretation & Comments.

Depth correlated to a Schlumberger Electrical Log Dated August 1, 1960.

Injection Rates: 504m³/Day at 10000 KPa.

Existing Perforations:

1461.2 – 1667.0 mKB.

Base temperature log display a stable gradient from the top logged interval of +/- 1200 mKB to the top of perforation with minor anomalies due to formation lithology and completion hardware. There is an indication of significant cold storage adjacent to perforation which is most likely due to the previous injection or work over operations.

Injecting temperature pass run during injection is showing that the base of injection has not been reached to the maximum reached depth for this pass at +/- 1467.0 and the fluid is still moving down below this depth.

The static passes run after cold water injection all display normal gradient down to the top of perforation with minor anomalies due to formation lithology and completion hardware. There is an indication of cold storage from 1456.2 to 1458.8 which can be attributed to ID changes or some casing anomaly. This is not being confirmed due to the absence of Caliper log which could not be run because of the well bore conditions. It is important to mention that there is no other evidence in the support of this OOZ loss from any other survey such as spinner, RA Storage and base temperature pass. There is a significant evidence of cold storage in front of the perforation meaning fluid movement into the perforation. These passes are showing the fluid movement down to +/- 1467.0 which is the maximum reached depth for these passes.

Velocity shots

Five velocity shots were taken while the bottom gamma was positioned in the tubing at 1427.0 to check for 100 % flow in tubing. Five other velocity shots were taken by positioning lower gamma ray at 1435.0 mKB to check for channel up and packer leak. There is no indication of channel up or packer leak above this depth. The velocity shots taken at 1450.0 and 1462.5mKB are indicating no detectable fluid loss to this depth. The velocity shots taken at different depths for profiling are presented in the attached sheet. The rates calculated from velocity shorts are tabulated below. These results are limited to 1466.0 mKB, which is the maximum reached depth for this sensor.

RA TRACER INJECTION PROFILE		
Perforations	Injection Interval	Percentage
1461.2 – 1667.0 mKB	1461.2 – 1466.9	18 %
	1466.9 and below	82 %

The computed injection rates from velocity shorts are 584.0 m3/D.
The reported velocity rates are 504.0 m3/D.

Gamma Composite

Two Gamma Ray passes were run after unloading the remaining R/A material at 1390.0 mKB. These passes were compared to the base gamma ray. There is no indication of up hole storage above the perforations. A small indication of storage above perforation is very much likely due to the radioactive material sticking into the rusted casing. There is an indication of RA storage over the perforated intervals and extending down to maximum reached depth at +/- 1467.0 mKB for this sensor.

Flowmeter

Flow meter analysis was done by dividing the only perforation into six one meter zones approximately to have a better understanding of the formation behaviour. The interpretation on spinner data is showing the very bottom part of this perforation from 1466.3 – 1467.0 is taking the majority of the injected fluid whereas the upper portion of this perforation is the recipient of small amount of injected fluid.

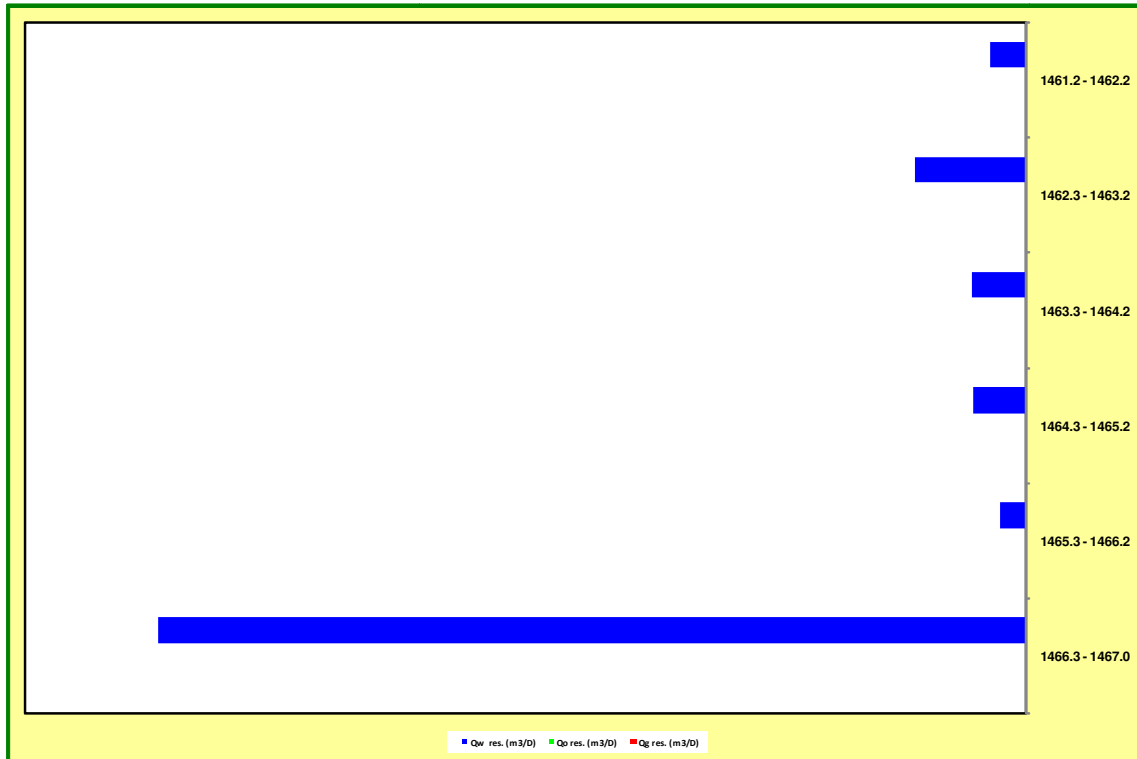
Conclusions:

- RA Trace is showing that the Injection interval from 1461.2 to 1466.9 is taking 18 % of the injected fluid and the remaining 82.0% is still moving down below 1466.9 mKB.
- The interpretation of spinner data is showing that pseudo interval from 1461.2 – 1466.2 is recipient of 24.33 % of the injected fluid and remaining portion of this perforation is taking 75.67 % of the injected fluid.
- The RA Tracer, base temperature and spinner data is exhibiting no OOZ losses.

The individual injection rates from spinner data for these created zones are tabulated below.

Percentage Total Injection (Downhole)

Zones (m)	Qt res. (m3/D)	Injection % (%)
1461.2 - 1462.2	-15.97	3.09
1462.3 - 1463.2	-50.08	9.71
1463.3 - 1464.2	-24.32	4.71
1464.3 - 1465.2	-23.35	4.53
1465.3 - 1466.2	-11.83	2.29
1466.3 - 1467.0	-390.45	75.67



Computed Surface Rates

Water total contribution SC: -515.542 m3/D
 Oil total contribution SC: 0 m3/D
 Gas total contribution SC: 0 Mm3/D

Reported Surface Rates

Water 504.0 m3/D
 Oil 0 m3/D
 Gas 0 Mm3/D



Survey Summary

Survey Name: Injecting

Tools Summary

String OD	42.8625 mm
Capacitance	None (Calib. Type)
100% Water	N/A
100% HC	N/A
Density	None
Spinner blade OD	31 mm

Interpretation Summary

Interpretation Name: Interpretation # 1

Density offset	N/A
Capacitance offset	N/A

Flow type	Single-phase
Flow model	
Flow model L-G	
Flow model W-O	
Vpcf multiplier	1
Vslip multiplier	N/A
Vslip mult.W-O	N/A

Interpretation Comments

Log correlated to a Schlumberger Log dated August 01, 1960.
RTE Port @ 1390.0 when remaining RA material dumped.



Fluid Parameters Summary

Fluid Type: Water

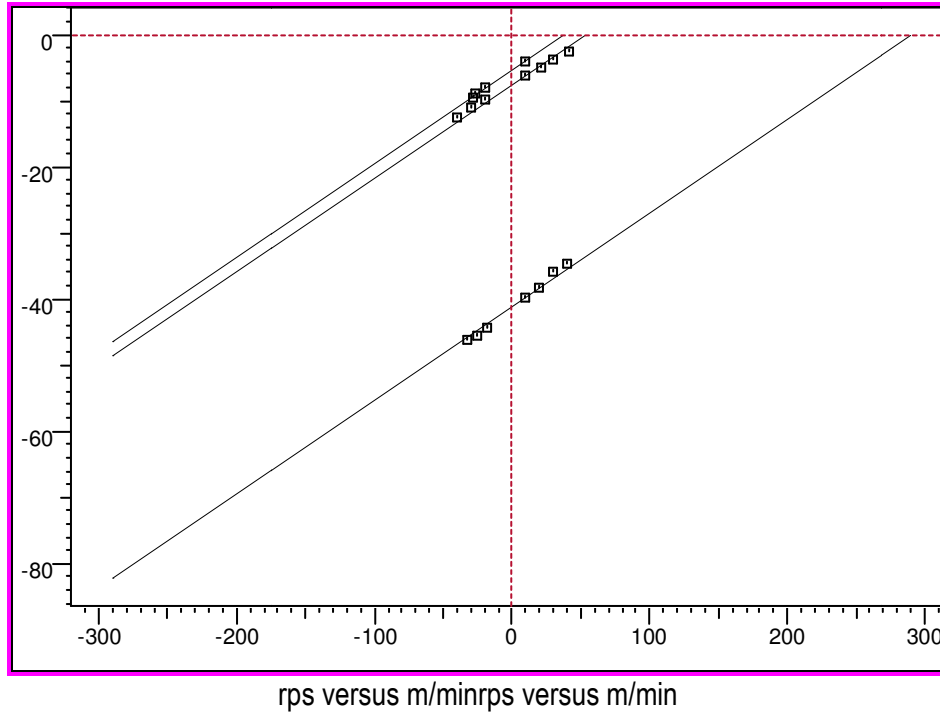
Gas: (NO)
Specific gravity N/A
N2 % N/A
CO2 % N/A
H2S % N/A
Z factor
µg

Oil: (NO)
Gravity N/A
GOR N/A
WOR
Rs, Pb
Bo
Co
µo

Condensate: (NO)
Tank GOR N/A
Tank gas gravity N/A
Separator GOR N/A
Separator gas gravity N/A
Separator P N/A
Separator T N/A
Dew point P N/A
Dew point T N/A
Liq. Gravity N/A
N2 % N/A
CO2 % N/A
H2S % N/A

Water: (
Salinity, ppm 30000
Rsw Katz
Cw Dodson and Standing
µw Van-Wingen+Frick

Spinner Calibration Summary



Threshold (+) 0 m/min Threshold (-) 0 m/min

Calib. Zone (m)	Slope (+)	Slope (-)	Int (+) (m/min)	Int (-) (m/min)	Int. Diff. (m/min)
1424.3 - 1431.8	N/A	0.142	N/A	289.878	0.000
1442.7 - 1453.7	N/A	0.142	N/A	52.918	0.000
1466.9 - 1467.4	N/A	0.142	N/A	37.224	0.000

Company:	CENOVUS ENERGY INC.		
Location:	CVE WEYBURN UNIT INJ 6-30-5-13W2	Date:	18-Oct-11

Inputs	Det. Spacing (m)	0.81	Casing O.D. (mm)	139.7
			Weight (kg/m)	20.83
	Tool O.D. (mm)	35	Tubing O.D. (mm)	60.3
			Weight (kg/m)	6.99

Compute	Cap. tubing-tool (m ³ /m)	0.00100	Tub. Cap. (m ³ /m)	0.0020
Compute	Cap. casing.-tool (m ³ /m)	0.01170	Csg. Cap. (m ³ /m)	0.0127

100% flow in tubing

down hole volumes

DEPTH	TIME DRIVE	DIVISIONS	TIME	RATE	FLOW
<i>b. detector (m)</i>	<i>sec./div</i>	<i>number</i>	<i>sec.</i>	<i>m3/d</i>	<i>percent</i>
1427.0	1	0.12	0.12	584	100%
1427.0	1	0.12	0.12	584	100%
1427.0	1	0.12	0.12	584	100%
1427.0	1	0.12	0.12	584	100%
1427.0	1	0.12	0.12	584	100%
1435.0	1	0.12	0.12	584	100%
1435.0	1	0.12	0.12	584	100%
1435.0	1	0.12	0.12	584	100%
1435.0	1	0.12	0.12	584	100%
1435.0	1	0.12	0.12	584	100%
			AVG. RATE	584	(m3/d)
				405	(l/min.)

100 % flow in Casing

down hole volumes

DEPTH	TIME DRIVE	DIVISIONS	TIME	RATE	FLOW
<i>b. detector (m)</i>	<i>sec./div</i>	<i>number</i>	<i>sec.</i>	<i>m3/d</i>	<i>percent</i>
1450.0	1	1.4	1.4	585	100%
1450.0	1	1.4	1.4	585	100%
1461.5	1	1.4	1.4	585	100%
1461.5	1	1.4	1.4	585	100%
1462.5	1	1.4	1.4	585	100%
1462.5	1	1.4	1.4	585	100%
1463.5	1	1.7	1.7	482	82%
1463.5	1	1.7	1.7	482	82%
1464.5	1	1.7	1.7	482	82%
1464.5	1	1.7	1.7	482	82%
1465.5	1	1.7	1.7	482	82%
1465.5	1	1.7	1.7	482	82%
1466.5	1	1.7	1.7	482	82%
1466.5	1	1.7	1.7	482	82%
1466.9	1	1.7	1.7	482	82%
1466.9	1	1.7	1.7	482	82%



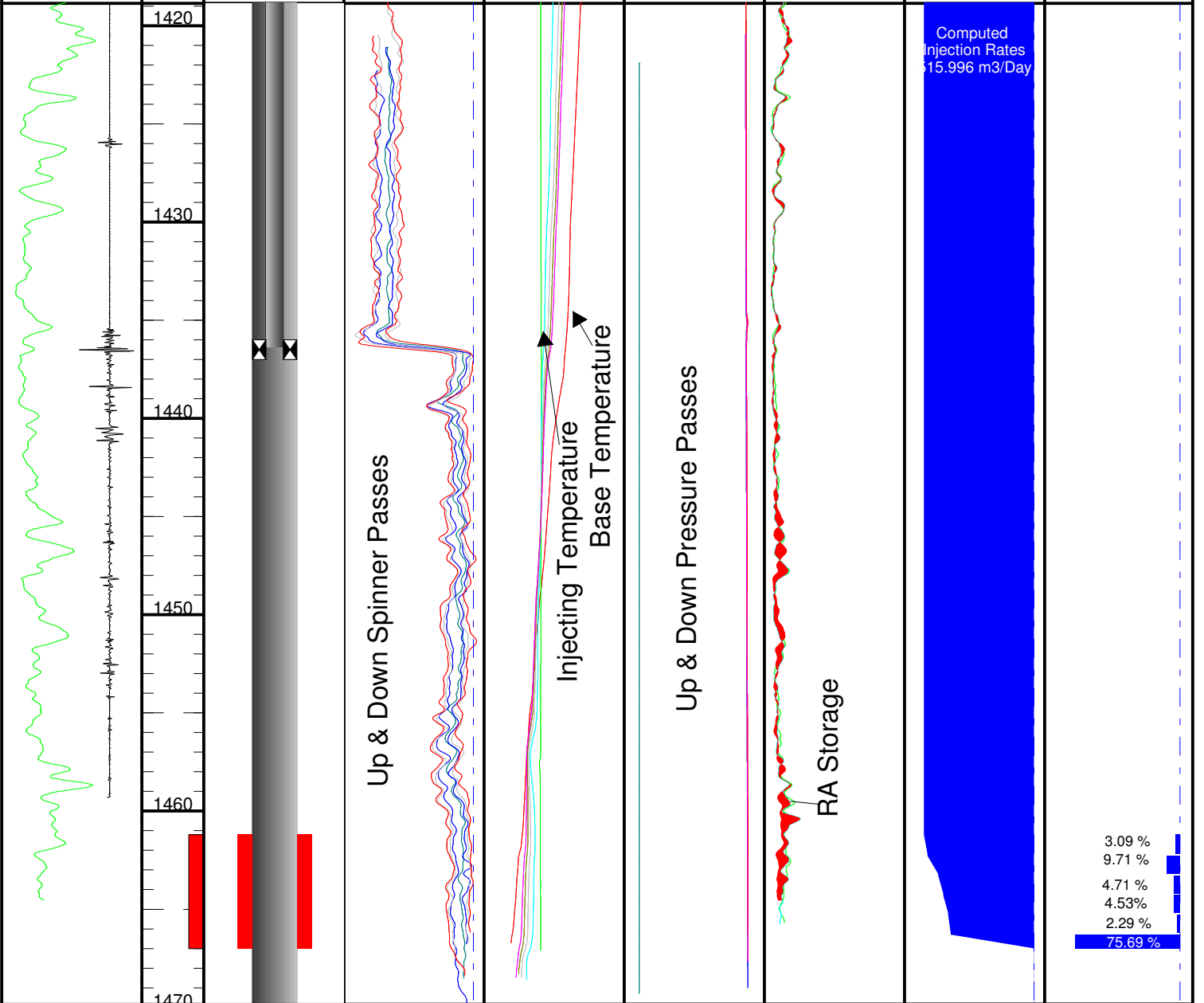
Injection Profile

CVE WEYBURN UNIT INJ 6-30-5-...

Company: CENOVUS ENERGY INC
 Field: WEYBURN
 Well: CVE WETBURN UNIT INJ 6-30-5-13W2

Test: RA Tracer-Temp-Spinner
 Date: October 18, 2011
 Survey: Injecting

GR/CCL	Depth (m)	Well Sketch (mm)	Flowmeter FLOW (rps)	Temperature Overlay	Pressure PPRE (kPa)	RA Storage	Rates QZT (m3/D)	Rates QZI (m3/D)
GR		-200 200	-60 5	Base Temperature	-2000 22000	Base Gamma Ray	-600 50	-500 50
-5 GAPI 75				36 °C 54		-10 GAPI 300		
CCL				Injecting Temperature		Storage 1		
-99000. 30000				36 °C 54		-10 GAPI 300		
				30 Min Shut In		Storage 2		
				36 °C 54		-10 GAPI 300		
				60 Min Shut In				
				36 °C 54				
				90 Min Shut In				
				36 °C 54				
				120 Min Shut In				
				36 °C 54				





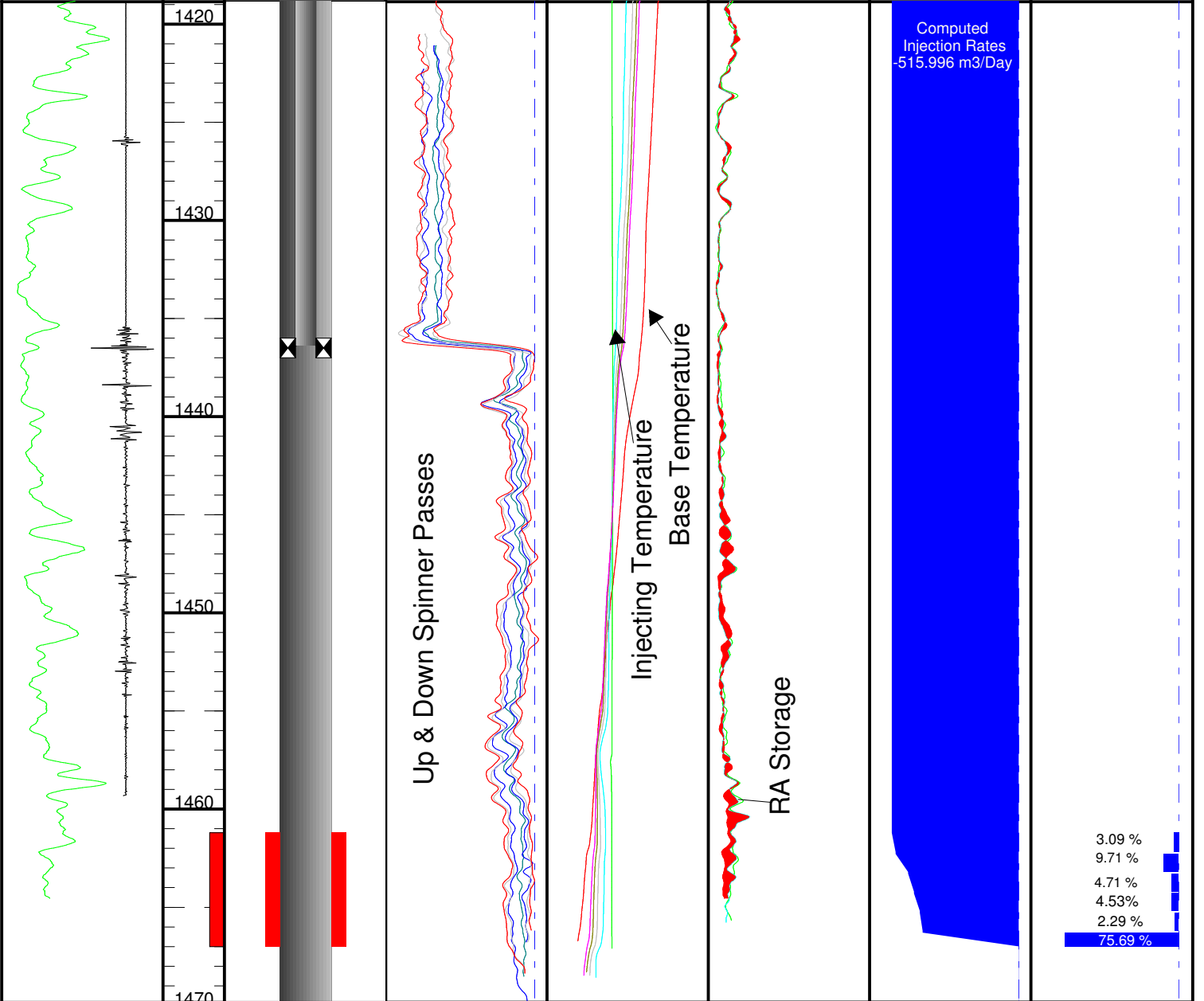
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 Well: CVE WETBURN UNIT INJ 6-30-5-13W2

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 Date: October 18, 2011
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GR/CCL	Depth (m)	Well Sketch (mm)	Flowmeter FLOW (rps)	Temperature Overlay	RA Storage	Rates QZT (m3/D)	Rates QZI (m3/D)
GR		-200 200	-60 5	Base Temperature	Base Gamma Ray	-600 50	-500 50
-5 GAPI 75				36 °C 54	-10 GAPI 300		
CCL				Injecting Temperature	Storage 1		
-99000. 30000				36 °C 54	-10 GAPI 300		
				30 Min Shut In	Storage 2		
				36 °C 54	-10 GAPI 300		
				60 Min Shut In			
				36 °C 54			
				90 Min Shut In			
				36 °C 54			
				120 Min Shut In			
				36 °C 54			





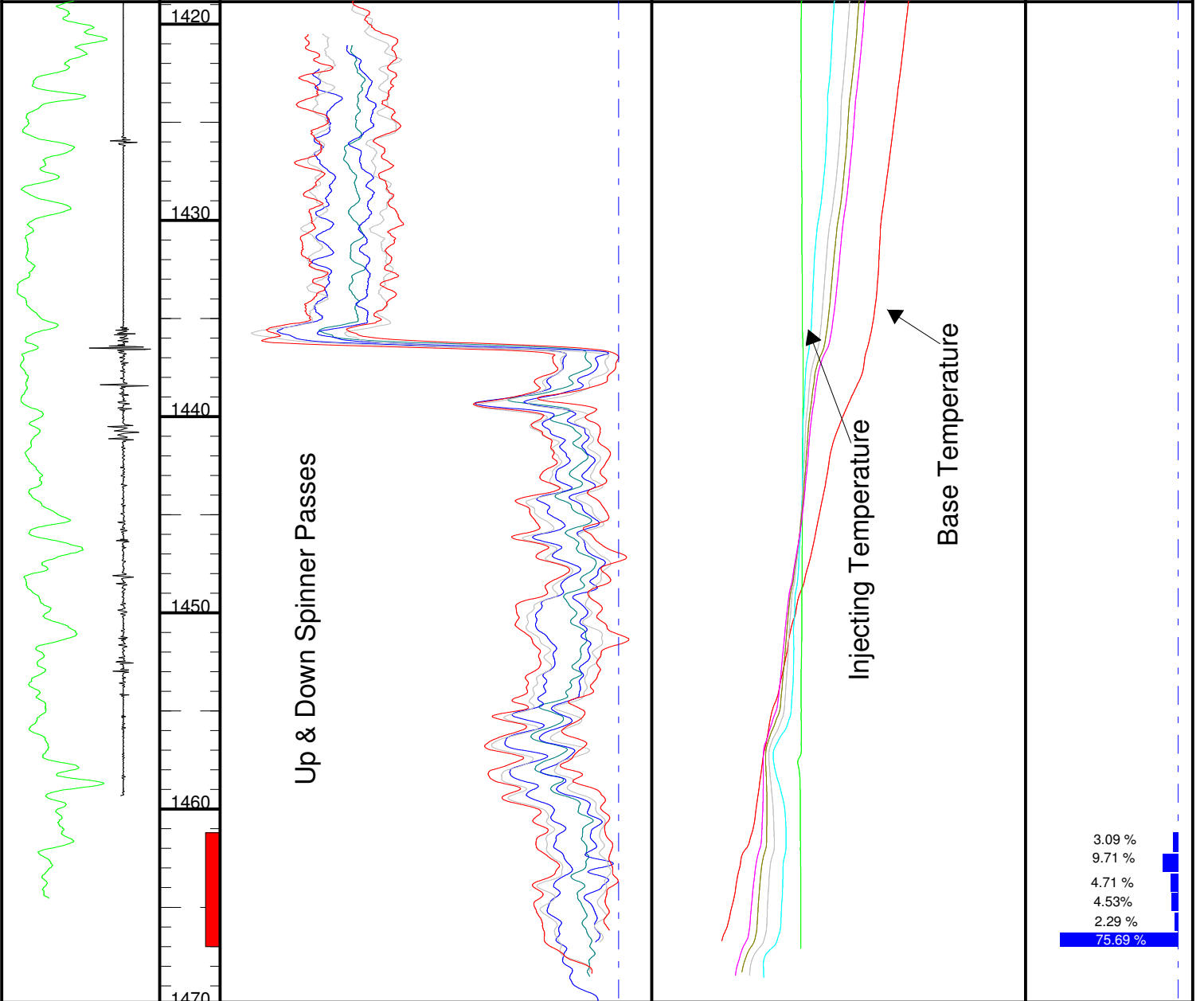
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Company: CENOVUS ENERGY INC
 Field: WEYBURN
 Well: CVE WETBURN UNIT INJ 6-30-5-13W2

Test: RA Tracer-Temp-Spinner
 Date: October 18, 2011
 Survey: Injecting

GR/CCL	Depth (m)	Flowmeter FLOW (rps)	Temperature Overlays	Rates QZI (m3/D)
GR	-60	5	Base Temperature	-500 50
-5 GAPI 75			36 °C 54	
CCL			Injecting Temperature	
-99000. 30000			36 °C 54	
			30 Min Shut In	
			36 °C 54	
			60 Min Shut In	
			36 °C 54	
			90 Min Shut In	
			36 °C 54	
			120 Min Shut In	
			36 °C 54	





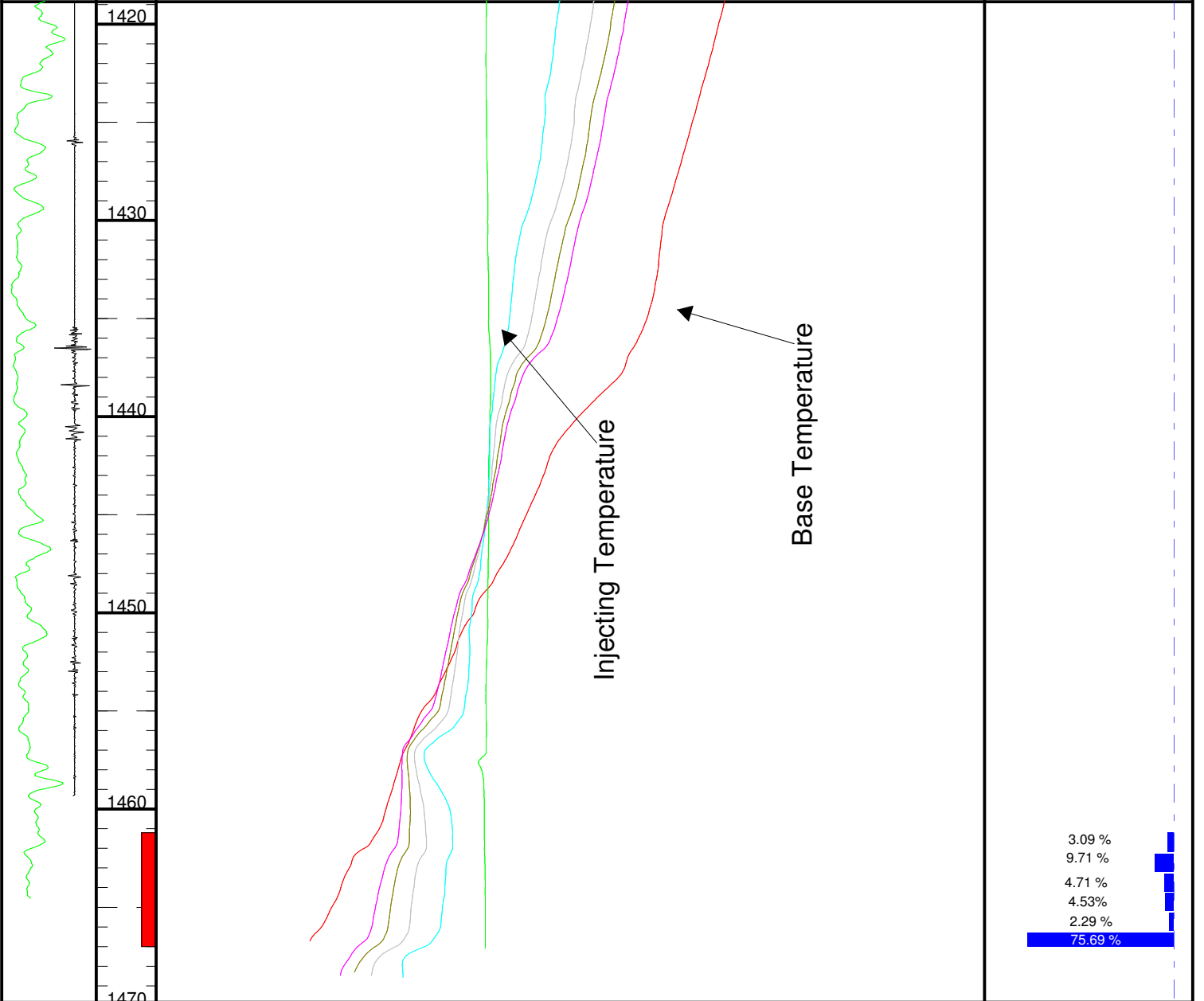
Injection Profile


CVE WEYBURN UNIT INJ 6-30-5-...

Company: CENOVUS ENERGY INC
 Field: WEYBURN
 Well: CVE WETBURN UNIT INJ 6-30-5-13W2

Test: RA Tracer-Temp-Spinner
 Date: October 18, 2011
 Survey: Injecting

GR/CCL	Depth (m)	Temperature Overlays	Rates	
GR		Base Temperature	-500	50
-5 GAPI75	36	°C		
CCL		Injecting Temperature		
-9900000	36	°C		
		30 Min Shut In		
	36	°C		
		60 Min Shut In		
	36	°C		
		90 Min Shut In		
	36	°C		
		120 Min Shut In		
	36	°C		



 Weatherford [®] Cased Hole Specialty Division		JOB REPORT				SAP #	4823496								
		Date	18/OCT/2011			SO #	10218104								
		COMPANY				CENOVUS ENERGY INC.									
		WELL NAME				CVE WEYBURN UNIT INJ 6-30-5-13									
		U.W.I.				101/6-30-005-13W2/00									
COMPANY REP.				ADRIAN FRASER											
LOGGER				J. STRANGEMORE											
PROVINCE				SASKATCHEWAN				RIG COMPANY				PICKER			
UNIT #				14214				EQUIP. LOC. PLANT #							
SERVICE				TEMPERATURE, RA TRACER INJECTION PROFILE AND ISOLATION TEST											
TOOL STRING		CTL-AA	110	GRT-WA	169	GRT-WA	150	GRT-WA		QPG-DA	110				
RTE-DA	104	RTS-DA	107	WHU-DA		FDT-DA		CFT-AA	136						
		CEN-RA	124	CEN-RA		SKB-AA									
34.9 mm HD BARS		2	42.9 mm HD BARS						34.9mm	HELICAL	IMPELLER				
									W/	30mm	BLADE				
TIME		PASS#		ORGANIZED EVENT DESCRIPTION							DEPTH				
START	FINISH			WELL SI FOR 24 HRS PRIOR TO LOGGING. SITP- 3300 Kpa							START	FINISH	CORR.		
8:45				BEGIN RIH											
9:08	9:36	INJ01		BASE TEMPERATURE PASS 10 DN							1200.0	1467.3	-2.4		
9:37	9:42	INJ02		CORRELATION PASS							1467.3	1425.0	-2.0		
				PUT WELL ON INJECTION @ 09:45 @ 350 l/min											
9:45	10:15	INJ03		STABILIZE TUBING PRESSURE @ 10,000 Kpa							1455.0				
10:24		INJ04		FLOWMETERS 10 UP							1467.3	1420.0	2.0		
		INJ05		" 10 DN							1420.0	1467.3	1.6		
		INJ06		" 20 UP							1467.3	1420.0	2.3		
		INJ07		" 20 DN							1420.0	1467.3	-0.3		
		INJ08		" 30 UP							1467.3	1420.0	0.6		
		INJ09		" 30 DN							1420.0	1467.3	-0.3		
		INJ10		" 40 UP							1467.3	1420.0	0.7		
	10:48	INJ11		" 40 DN							1420.0	1467.3	-0.6		
				TRACER											
10:52		INJ12		100% FLOW IN TUBING				LGR@			1427.0				
		INJ13		CHANNEL UP CHECK/PACKER CHK				LGR@			1435.0				
		INJ14		100% FLOW IN CASING				LGR@			1450.0				
		INJ15		VELOCITY SHOTS				LGR@			1461.5				
		INJ16		"				LGR@			1462.5				
		INJ17		"							1463.5				
		INJ18		"							1464.5				
		INJ19		"							1465.5				
		INJ20		"							1466.5				
	12:04	INJ21		"							1466.9				
12:07	12:09	ZDUMP		DUMP TRACER TOOL @12:08				RTE PORT@			1390.0				
12:13	12:22	INJ23		STORAGE PASS #1							1467.3	1380.0	0.5		
12:26	12:35	INJ24		STORAGE PASS #2							1467.3	1380.0	0.6		
12:35	12:45	INJ25		INJECTING TEMP 10 DN							1390.0	1467.3	0.2		
				SHUT IN INJECTION. @ 12:45											
12:50	13:17	INJ26		30 MIN SI PASS							1200.0	1467.3	-1.1		
13:25	13:51	INJ27		60 MIN SI PASS							1200.0	1467.3	-1.0		
13:58	14:23	INJ28		90 MIN SI PASS							1200.0	1467.3	-1.0		
14:30		INJ29		120 MIN SI PASS							1200.0	1467.3	-1.0		
14:56				POOH											
				TOTAL VOLUME PUMPED 63.0 m3											