Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1171359

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6044
Name: Stelbar Oil Corporation, Inc.
Address 1: 1625 N WATERFRONT PKWY
Address 2:
City: WICHITA State: KS Zip: 67206 + 6602
Contact Person: Roscoe L. Mendenhall / Ty Lunn
Phone: (316) 264-8378
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Dave Goldak
Purchaser: N/A

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

11/18/2013	11/29/2013	11/29/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-20992-00-00
Spot Description:
SW NE NW NE Sec. 19 Twp. 16 S. R. 31 ☐ East ☑ West
423 Feet from ☑ North / ☐ South Line of Section
1916 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Scott
Lease Name: Rodenberg Well #: 1-19
Field Name: Unknown
Producing Formation: N/A
Elevation: Ground: 2950 Kelly Bushing: 2957
Total Vertical Depth: 4702 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 300 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 10500 ppm Fluid volume: 825 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 12/18/2013
☑ **Confidential Release Date:** 12/18/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 12/18/2013

1171359

Operator Name: Stelbar Oil Corporation, Inc. Lease Name: Rodenberg Well #: 1-19

Sec. 19 Twp. 16 S. R. 31 ☐ East ☑ West County: Scott

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	310	Premium Plus	260	2% cc, 1/4#CF/sx.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	Rodenberg 1-19
Doc ID	1171359

All Electric Logs Run

Array Induction Shallow Focused Electric Log
Compensated Sonic w/Integrated Transit Time Log
Compact Photo Density Compensated Neutron Microresistivity Log
Microresistivity Log
Compensated Neutron Acoustic Porosity Overlay

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	Rodenberg 1-19
Doc ID	1171359

Tops

Name	Top	Datum
B/Anhydrite	2369'	+588'
Heebner Sh	3930'	-973'
Lansing	3967'	-1010'
Muncie Creek Sh	4139'	-1182'
Stark Sh	4233'	-1276'
Hushpuckney Sh	4278'	-1321'
B/KC	4336'	-1379'
Marmaton	4359'	-1402'
Pawnee	4441'	-1484'
Cherokee Sh	4488'	-1531'
Lower Cher Sh	4515'	-1558'
Johnson Zone	4548'	-1591'
Morrow Sh	4582'	-1625'
Miss	4602'	-1645'
RTD	4702'	-1745'

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.23 @ 05:40:15

End Date: 2013.11.23 @ 11:46:30

Job Ticket #: 54703 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.29 @ 12:47:05

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54703 **DST#: 1**

Test Start: 2013.11.23 @ 05:40:15

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:49:30
Time Test Ended: 11:46:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65

Interval: 3992.00 ft (KB) To 4014.00 ft (KB) (TVD)
Total Depth: 4014.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

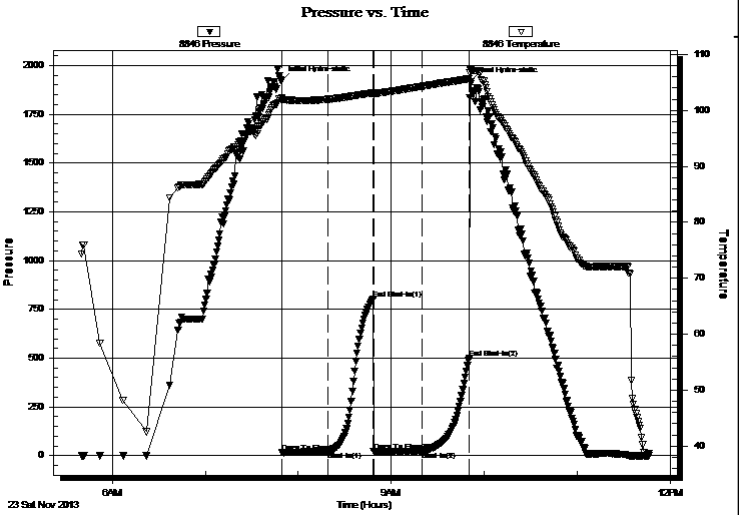
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Outside**

Press@RunDepth: 21.73 psig @ 3993.00 ft (KB)
Start Date: 2013.11.23 End Date: 2013.11.23
Start Time: 05:40:15 End Time: 11:46:30

Capacity: 8000.00 psig
Last Calib.: 2013.11.23
Time On Btm: 2013.11.23 @ 07:49:15
Time Off Btm: 2013.11.23 @ 09:51:15

TEST COMMENT: IF:Built to 1 1/8" blow
IS:No return blow
FF:Built to 3/4" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.51	102.19	Initial Hydro-static
1	15.96	101.78	Open To Flow (1)
31	19.51	102.00	Shut-In(1)
60	801.26	103.12	End Shut-In(1)
60	21.32	102.84	Open To Flow (2)
91	21.73	104.29	Shut-In(2)
121	498.34	105.68	End Shut-In(2)
122	1916.80	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mco 40%m 60%o	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54703 **DST#: 1**

Test Start: 2013.11.23 @ 05:40:15

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:49:30
Time Test Ended: 11:46:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65

Interval: 3992.00 ft (KB) To 4014.00 ft (KB) (TVD)
Total Depth: 4014.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

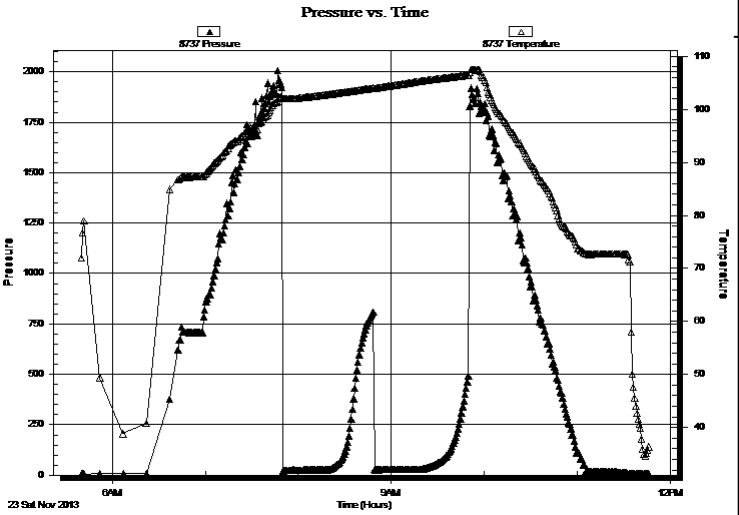
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Inside**

Press@RunDepth: psig @ 3993.00 ft (KB)
Start Date: 2013.11.23 End Date: 2013.11.23
Start Time: 05:40:15 End Time: 11:46:45

Capacity: 8000.00 psig
Last Calib.: 2013.11.23
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 1 1/8" blow
IS:No return blow
FF:Built to 3/4" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mco 40%m 60%o	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54703 **DST#: 1**

Test Start: 2013.11.23 @ 05:40:15

Tool Information

Drill Pipe:	Length:	3968.00 ft	Diameter:	3.80 inches	Volume:	55.66 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	55.66 bbl	

Drill Pipe Above KB:	7.00 ft
Depth to Top Packer:	3992.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	22.00 ft
Tool Length:	53.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1500.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	55000.00 lb
Final	55000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3962.00		
Shut In Tool	5.00			3967.00		
Sampler	3.00			3970.00		
Hydraulic tool	5.00			3975.00		
Jars	5.00			3980.00		
Safety Joint	3.00			3983.00		
Packer	5.00			3988.00	31.00	Bottom Of Top Packer
Packer	4.00			3992.00		
Stubb	1.00			3993.00		
Recorder	0.00	8737	Inside	3993.00		
Recorder	0.00	8846	Outside	3993.00		
Perforations	16.00			4009.00		
Bullnose	5.00			4014.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**53.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54703 **DST#: 1**

Test Start: 2013.11.23 @ 05:40:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	68.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.73 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mco 40%m 60%o	0.210

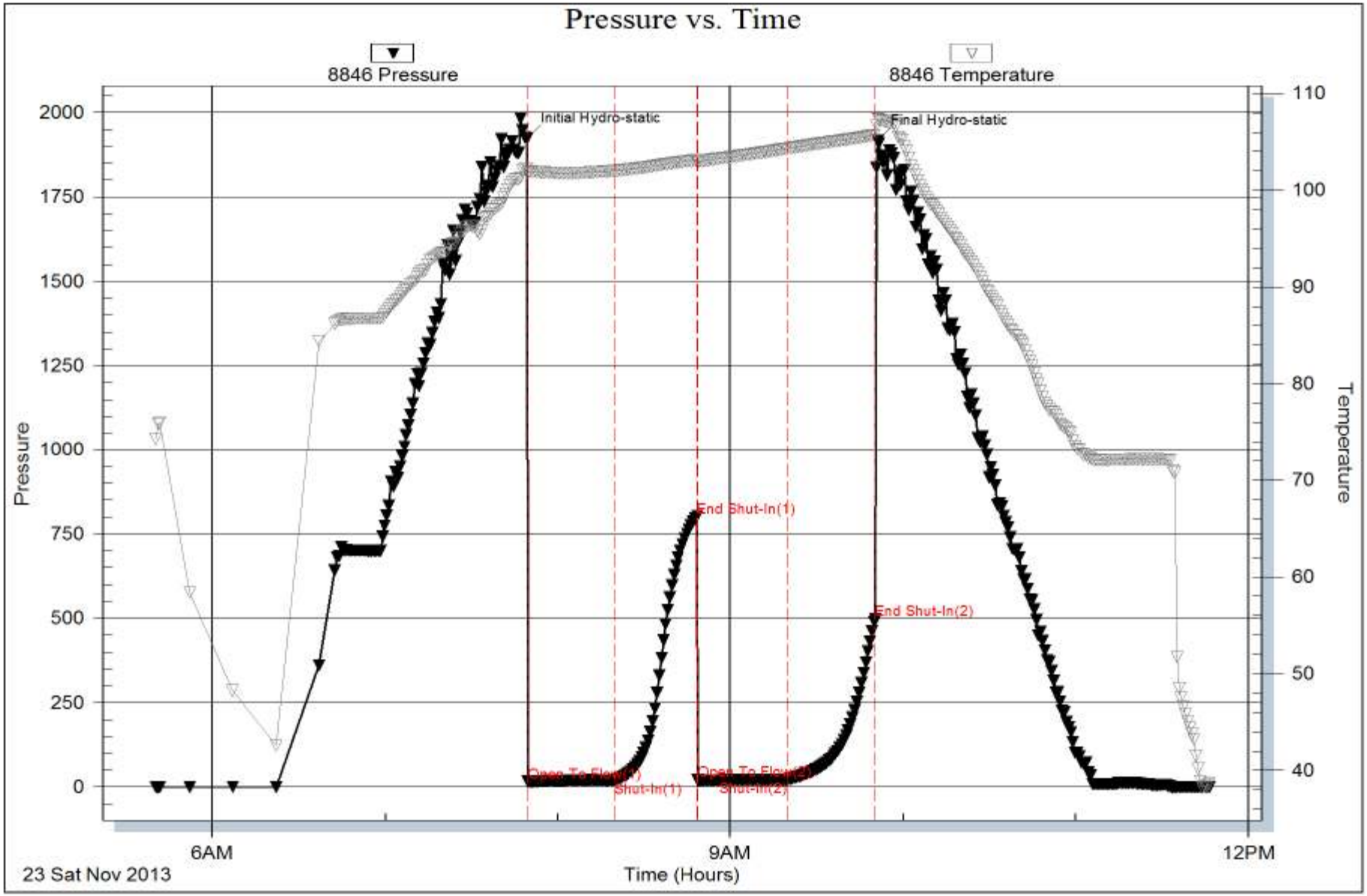
Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

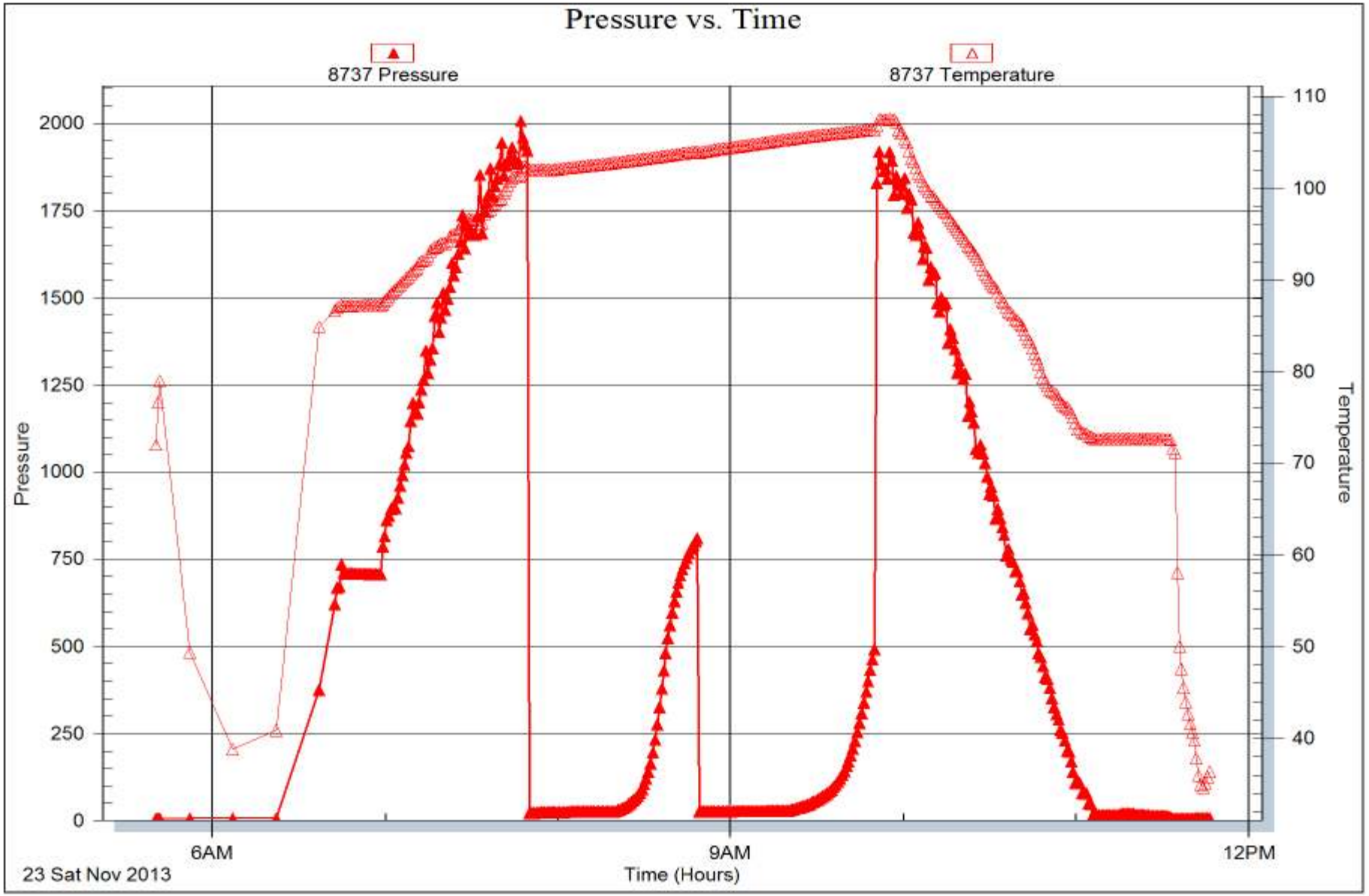
Recovery Comments:

Serial #: 8846 **Outside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54703 Printed: 2013.11.29 @ 12:47:08

Serial #: 8737 **Inside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54703 Printed: 2013.11.29 @ 12:47:08

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.23 @ 23:36:15

End Date: 2013.11.24 @ 08:12:30

Job Ticket #: 54704 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.29 @ 12:45:31

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54704 **DST#: 2**

Test Start: 2013.11.23 @ 23:36:15

GENERAL INFORMATION:

Formation: **LKC C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:01:15
Time Test Ended: 08:12:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4020.00 ft (KB) To 4068.00 ft (KB) (TVD)
Total Depth: 4068.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

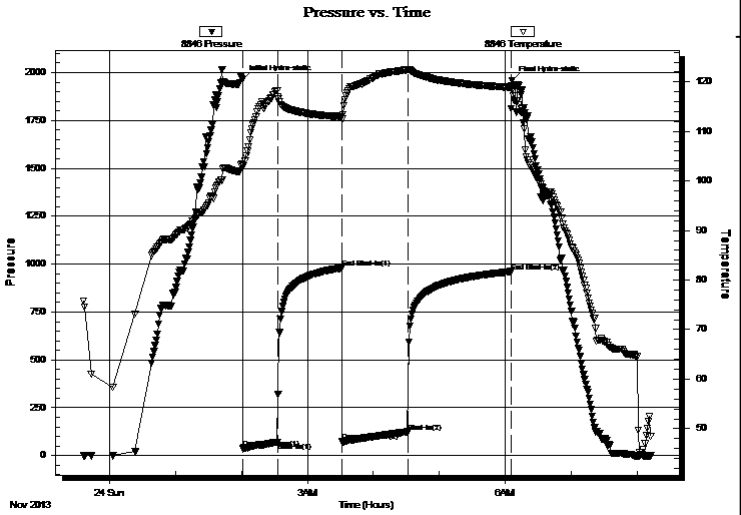
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: 123.89 psig @ 4021.00 ft (KB)
Start Date: 2013.11.23 End Date: 2013.11.24
Start Time: 23:36:15 End Time: 08:12:30

Capacity: 8000.00 psig
Last Calib.: 2013.11.24
Time On Btm: 2013.11.24 @ 02:00:45
Time Off Btm: 2013.11.24 @ 06:06:15

TEST COMMENT: IF:Built to 7 1/2" blow
IS:Built to weak surface blow
FF:Built to 9" blow
FS:Built to weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.13	103.36	Initial Hydro-static
1	38.95	103.00	Open To Flow (1)
32	69.60	116.90	Shut-In(1)
91	979.94	113.00	End Shut-In(1)
91	73.39	112.50	Open To Flow (2)
151	123.89	122.48	Shut-In(2)
245	960.62	118.89	End Shut-In(2)
246	1959.30	118.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	free oil 100%o	0.06
62.00	ocm 20%o 80%m	0.87
62.00	ocw m 5%o 40%m 55%w	0.87
62.00	ocm 20%o 80%m	0.87

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54704 **DST#: 2**

Test Start: 2013.11.23 @ 23:36:15

GENERAL INFORMATION:

Formation: **LKC C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:01:15
Time Test Ended: 08:12:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4020.00 ft (KB) To 4068.00 ft (KB) (TVD)
Total Depth: 4068.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

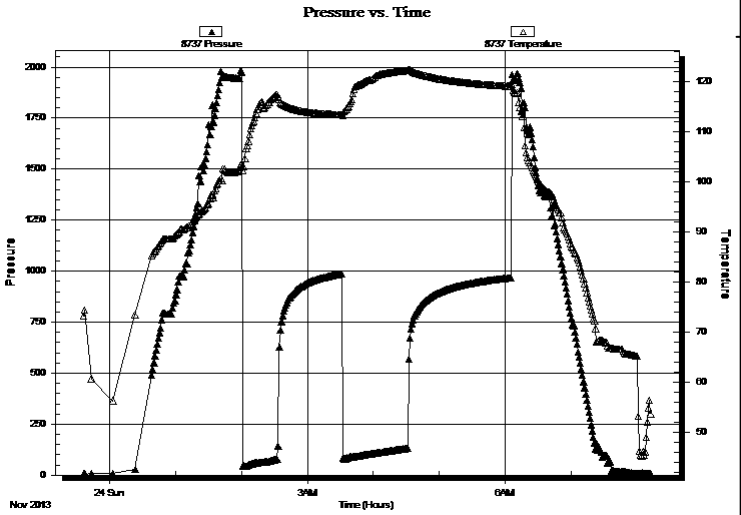
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4021.00 ft (KB)
Start Date: 2013.11.23 End Date: 2013.11.24
Start Time: 23:36:15 End Time: 08:12:45

Capacity: 8000.00 psig
Last Calib.: 2013.11.24
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 7 1/2" blow
IS:Built to weak surface blow
FF:Built to 9" blow
FS:Built to weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
4.00	free oil 100%o	0.06
62.00	ocm 20%o 80%m	0.87
62.00	ocw m 5%o 40%m 55%w	0.87
62.00	ocm 20%o 80%m	0.87

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54704 **DST#: 2**

Test Start: 2013.11.23 @ 23:36:15

Tool Information

Drill Pipe:	Length:	4000.00 ft	Diameter:	3.80 inches	Volume:	56.11 bbl	Tool Weight:		1500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	56.11 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		4020.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		48.00 ft							
Tool Length:		80.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3989.00		
Shut In Tool	5.00			3994.00		
Sampler	3.00			3997.00		
Hydraulic tool	5.00			4002.00		
Jars	5.00			4007.00		
Safety Joint	3.00			4010.00		
Packer	5.00			4015.00	32.00	Bottom Of Top Packer
Packer	5.00			4020.00		
Stubb	1.00			4021.00		
Recorder	0.00	8846	Inside	4021.00		
Recorder	0.00	8737	Outside	4021.00		
Perforations	1.00			4022.00		
Change Over Sub	1.00			4023.00		
Drill Pipe	31.00			4054.00		
Change Over Sub	1.00			4055.00		
Perforations	8.00			4063.00		
Bullnose	5.00			4068.00	48.00	Bottom Packers & Anchor
Total Tool Length:	**80.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54704 **DST#: 2**

Test Start: 2013.11.23 @ 23:36:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	31 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	14000 ppm
Viscosity:	68.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.75 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	free oil 100%o	0.056
62.00	ocm 20%o 80%m	0.870
62.00	ocw m 5%o 40%m 55%w	0.870
62.00	ocm 20%o 80%m	0.870

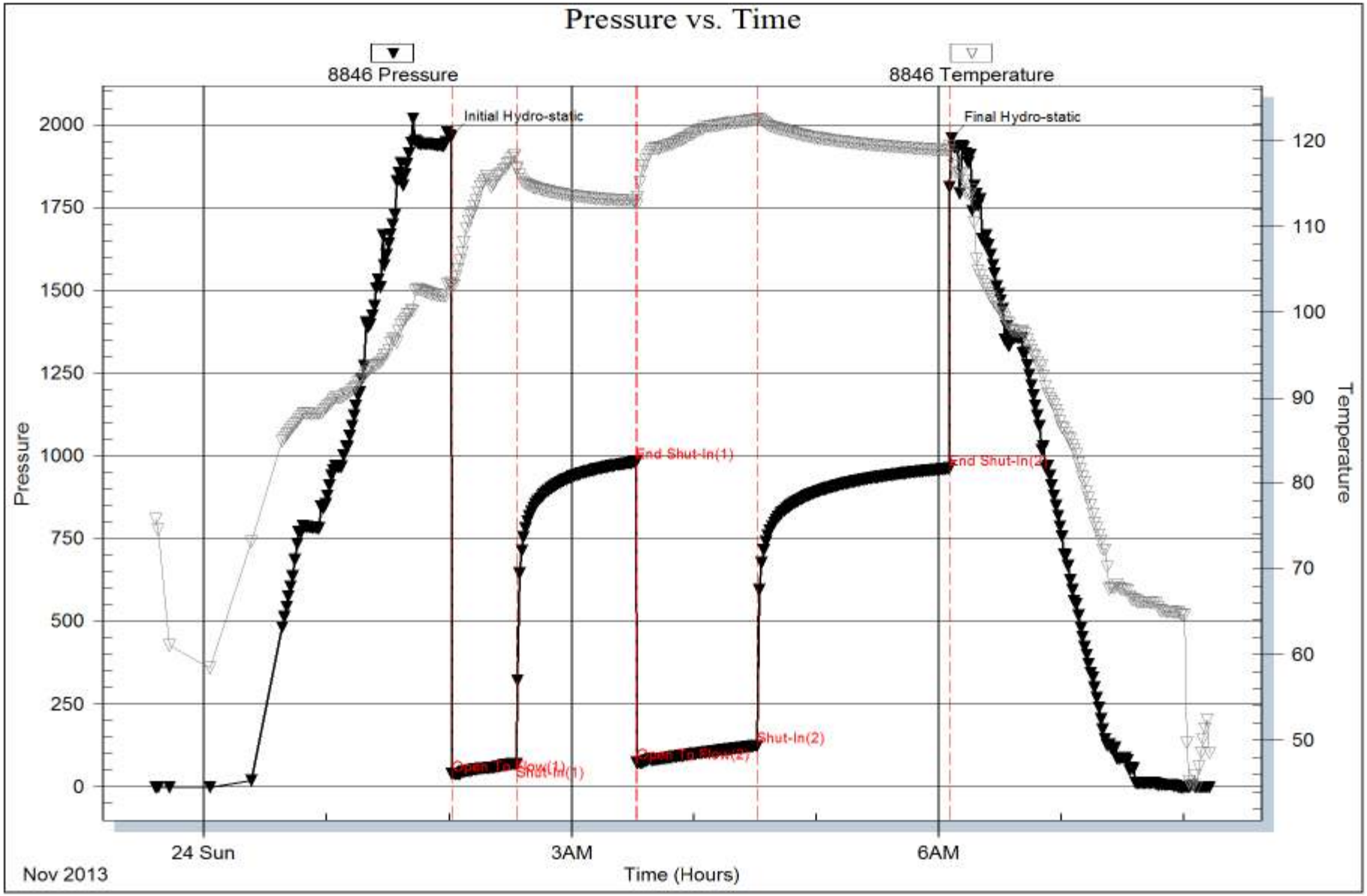
Total Length: 190.00 ft Total Volume: 2.666 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

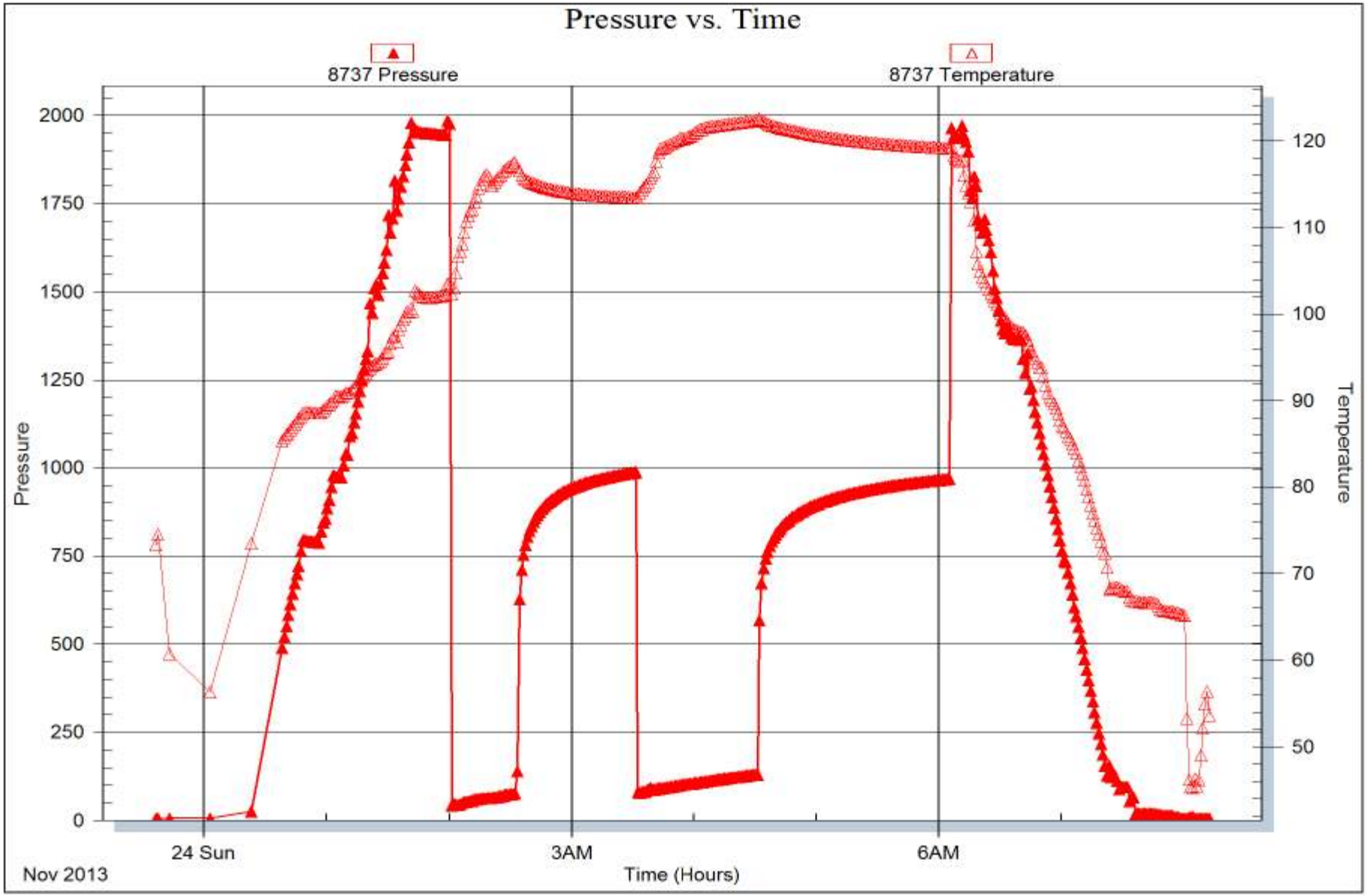
Recovery Comments: RW= .821@ 40.1 *=14,000 ppm
API= 29 @40 corrected to 31 @ 60

Serial #: 8846 **Inside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54704 Printed: 2013.11.29 @ 12:45:34

Serial #: 8737 **Outside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54704 Printed: 2013.11.29 @ 12:45:35

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.25 @ 01:18:15

End Date: 2013.11.25 @ 09:30:45

Job Ticket #: 54705 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.29 @ 12:45:01

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54705 **DST#: 3**

Test Start: 2013.11.25 @ 01:18:15

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:20:00
Time Test Ended: 09:30:45

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4132.00 ft (KB) To 4206.00 ft (KB) (TVD)
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

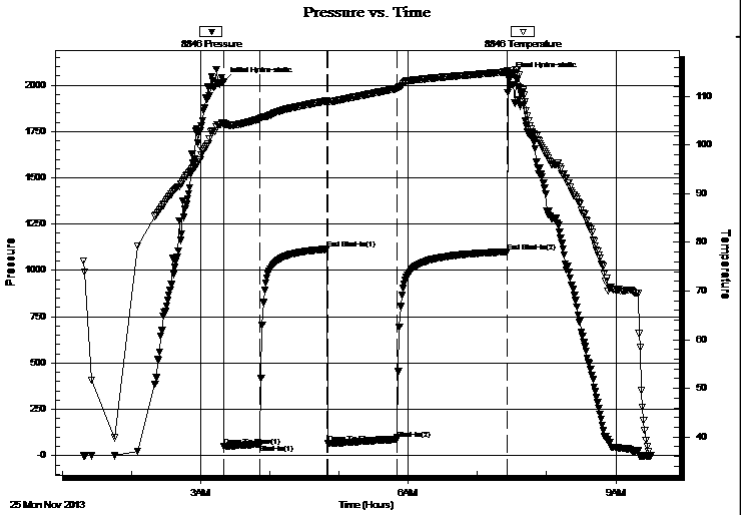
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: 88.04 psig @ 4133.00 ft (KB)
Start Date: 2013.11.25 End Date: 2013.11.25
Start Time: 01:18:15 End Time: 09:30:45

Capacity: 8000.00 psig
Last Calib.: 2013.11.25
Time On Btm: 2013.11.25 @ 03:19:45
Time Off Btm: 2013.11.25 @ 07:27:00

TEST COMMENT: IF:Built to 3" blow
IS:No return blow
FF:Built to 5" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.87	104.54	Initial Hydro-static
1	48.65	104.12	Open To Flow (1)
32	63.08	105.39	Shut-In(1)
90	1114.30	109.06	End Shut-In(1)
91	64.77	108.86	Open To Flow (2)
151	88.04	111.57	Shut-In(2)
246	1100.49	115.01	End Shut-In(2)
248	2043.91	114.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud with oil spots	1.26

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54705 **DST#: 3**

Test Start: 2013.11.25 @ 01:18:15

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:20:00
Time Test Ended: 09:30:45

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4132.00 ft (KB) To 4206.00 ft (KB) (TVD)
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

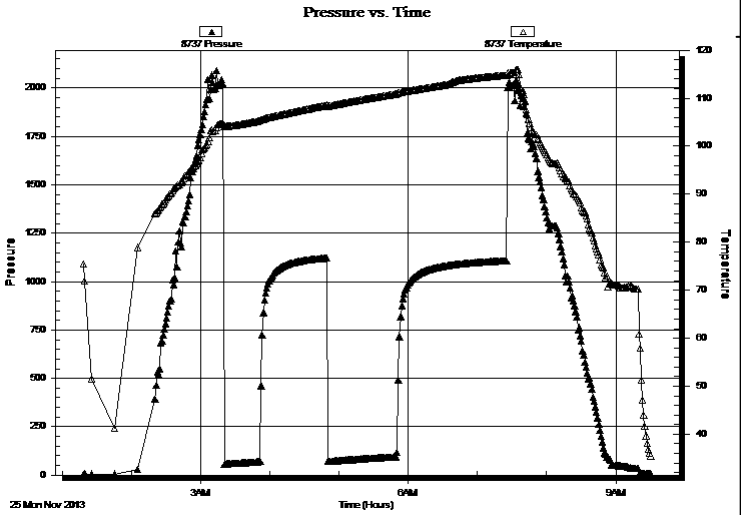
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4133.00 ft (KB)
Start Date: 2013.11.25 End Date: 2013.11.25
Start Time: 01:18:15 End Time: 09:30:30

Capacity: 8000.00 psig
Last Calib.: 2013.11.25
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 3" blow
IS:No return blow
FF:Built to 5" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud with oil spots	1.26

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54705 **DST#: 3**

Test Start: 2013.11.25 @ 01:18:15

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:20:00
Time Test Ended: 09:30:45

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4132.00 ft (KB) To 4206.00 ft (KB) (TVD)
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

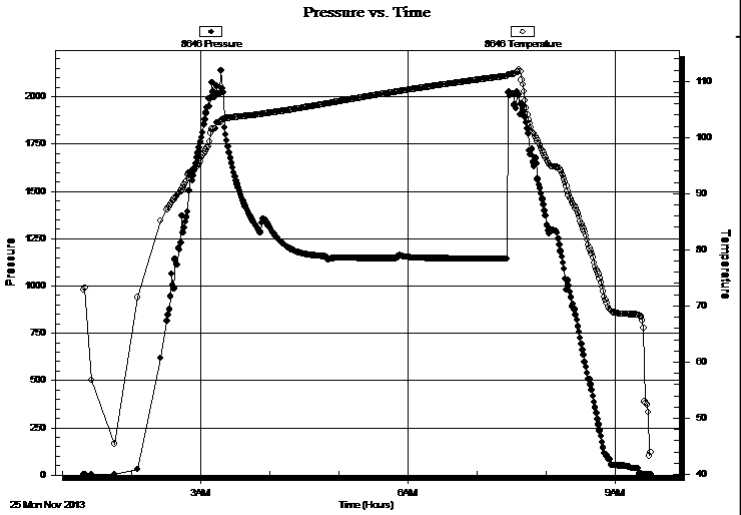
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8646 **Below (Straddle)**

Press@RunDepth: psig @ 4213.00 ft (KB)
Start Date: 2013.11.25 End Date: 2013.11.25
Start Time: 01:18:15 End Time: 09:30:45

Capacity: 8000.00 psig
Last Calib.: 2013.11.25
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 3" blow
IS:No return blow
FF:Built to 5" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud with oil spots	1.26

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

1625 N Waterfront Pkw y
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54705 **DST#: 3**

Test Start: 2013.11.25 @ 01:18:15

Tool Information

Drill Pipe:	Length:	4125.00 ft	Diameter:	3.80 inches	Volume:	57.86 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	57.86 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	4132.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	86.00 ft
Tool Length:	118.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	1500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	56000.00 lb
Final	57000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4101.00		
Shut In Tool	5.00			4106.00		
Sampler	3.00			4109.00		
Hydraulic tool	5.00			4114.00		
Jars	5.00			4119.00		
Safety Joint	3.00			4122.00		
Packer	5.00			4127.00	32.00	Bottom Of Top Packer
Packer	5.00			4132.00		
Stubb	1.00			4133.00		
Recorder	0.00	8846	Inside	4133.00		
Recorder	0.00	8737	Outside	4133.00		
Perforations	1.00			4134.00		
Change Over Sub	1.00			4135.00		
Drill Pipe	61.00			4196.00		
Change Over Sub	1.00			4197.00		
Perforations	5.00			4202.00		
Blank Off Sub	1.00			4203.00	86.00	Tool Interval
Packer	3.00			4206.00		
Stubb	1.00			4207.00		
Perforations	6.00			4213.00		
Recorder	0.00	8646	Below	4213.00		
Bullnose	5.00			4218.00	1000117.00	Bottom Packers & Anchor
Total Tool Length:	**118.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54705 **DST#: 3**

Test Start: 2013.11.25 @ 01:18:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.95 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	mud with oil spots	1.262

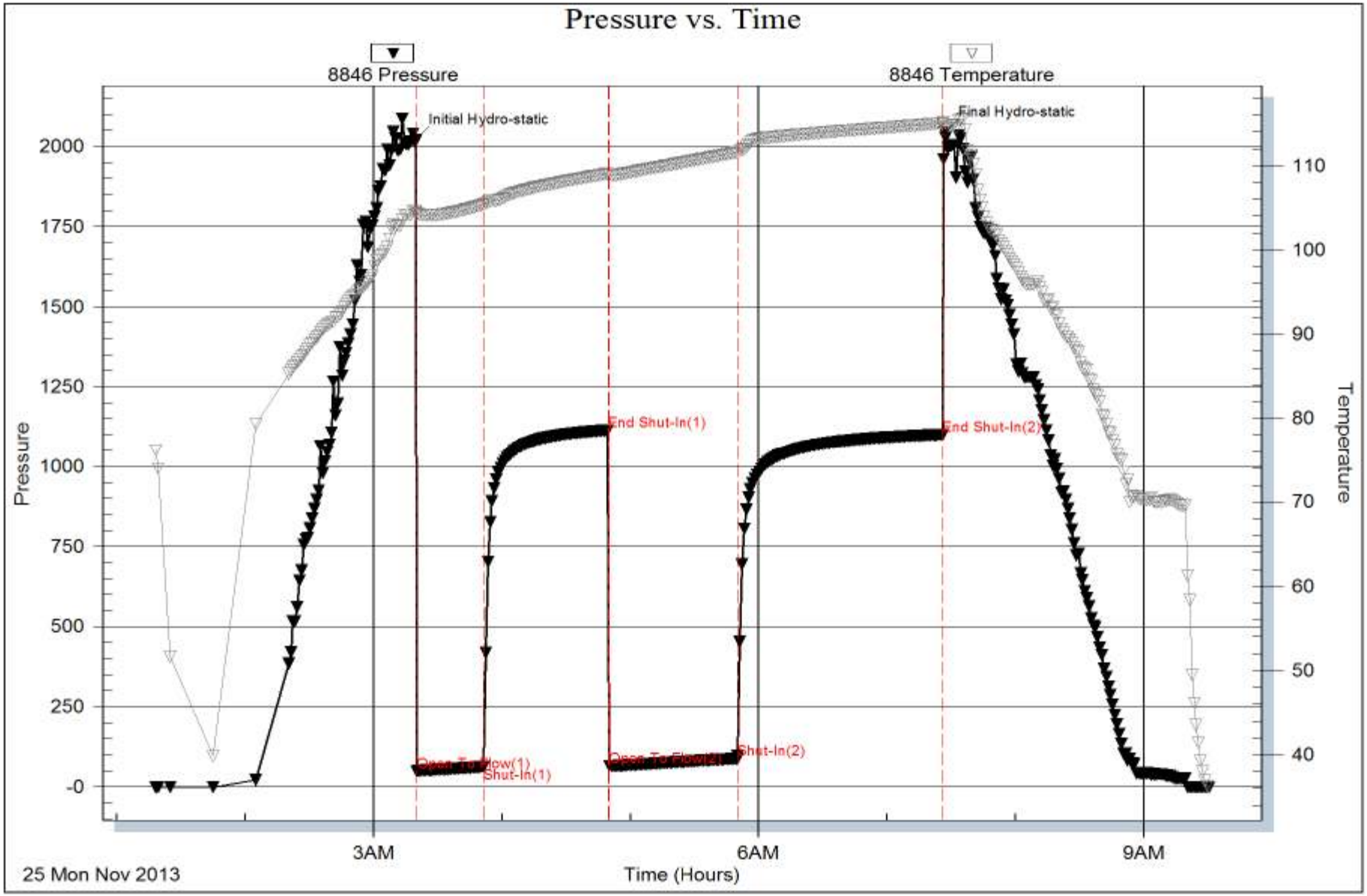
Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

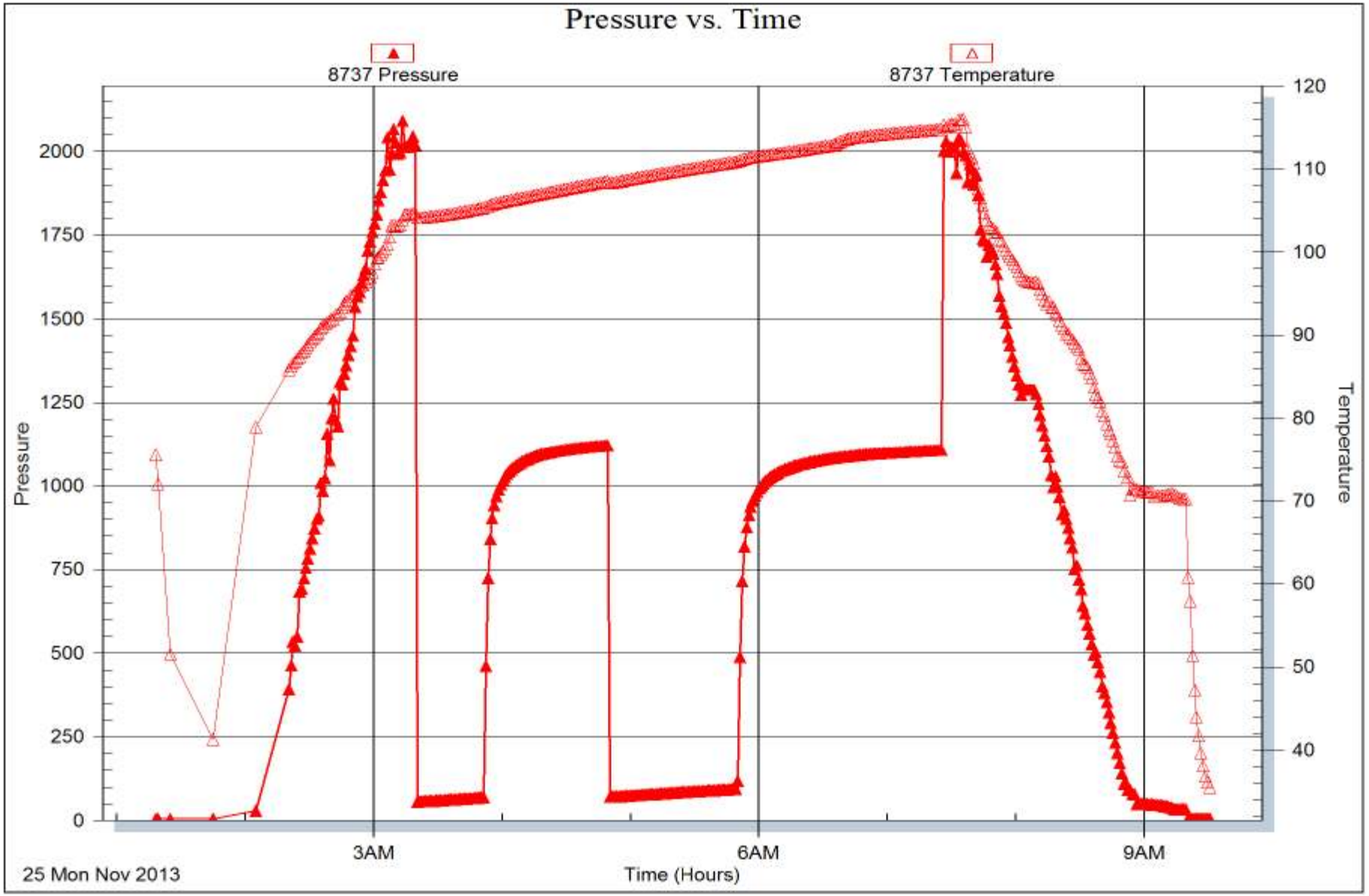
Recovery Comments:

Serial #: 8846 **Inside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 3



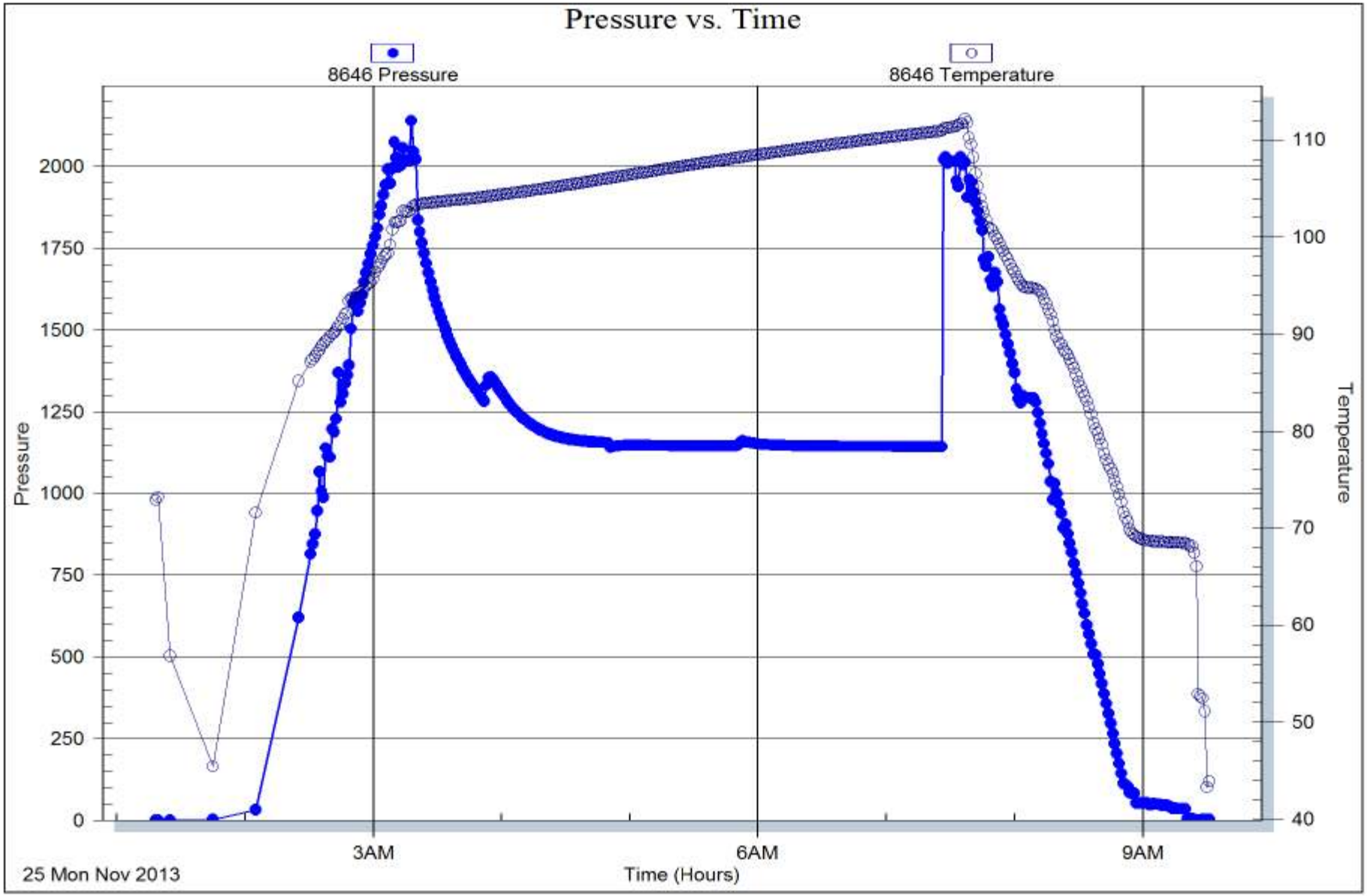
Trilobite Testing, Inc Ref. No: 54705 Printed: 2013.11.29 @ 12:45:03

Serial #: 8737 **Outside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 54705 Printed: 2013.11.29 @ 12:45:04

Serial #: 8646 Below (Straddle) Stalker Oil Corporation Rodenberg #1-19 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 54705 Printed: 2013.11.29 @ 12:45:04

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.26 @ 11:36:15

End Date: 2013.11.26 @ 17:08:00

Job Ticket #: 54706 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.29 @ 12:41:38

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54706 **DST#: 4**

Test Start: 2013.11.26 @ 11:36:15

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:29:15
Time Test Ended: 17:08:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4437.00 ft (KB) To 4468.00 ft (KB) (TVD)
Total Depth: 4468.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

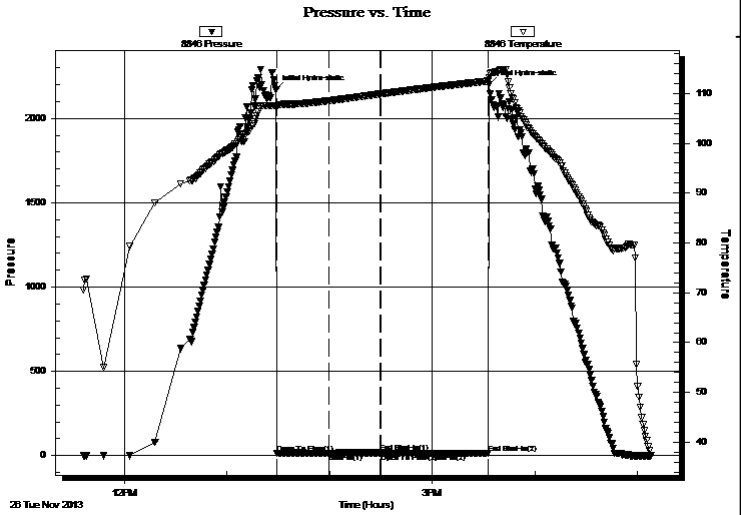
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Outside**

Press@RunDepth: 14.36 psig @ 4438.00 ft (KB)
Start Date: 2013.11.26 End Date: 2013.11.26
Start Time: 11:36:15 End Time: 17:08:00

Capacity: 8000.00 psig
Last Calib.: 2013.11.26
Time On Btm: 2013.11.26 @ 13:28:45
Time Off Btm: 2013.11.26 @ 15:33:15

TEST COMMENT: IF:Built to 1/4" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.15	107.46	Initial Hydro-static
1	14.53	107.25	Open To Flow (1)
31	15.30	108.52	Shut-In(1)
61	17.48	109.86	End Shut-In(1)
61	14.77	109.88	Open To Flow (2)
92	14.36	111.20	Shut-In(2)
124	15.72	112.46	End Shut-In(2)
125	2199.00	113.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.07

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54706 **DST#: 4**

Test Start: 2013.11.26 @ 11:36:15

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:29:15
Time Test Ended: 17:08:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

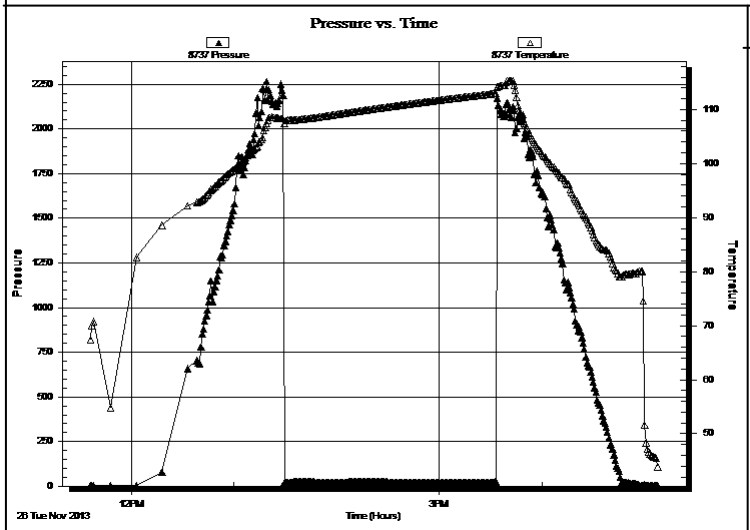
Interval: 4437.00 ft (KB) To 4468.00 ft (KB) (TVD)
Total Depth: 4468.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Inside**
Press@RunDepth: psig @ 4438.00 ft (KB)
Start Date: 2013.11.26 End Date: 2013.11.26
Start Time: 11:36:15 End Time: 17:08:15

Capacity: 8000.00 psig
Last Calib.: 2013.11.26
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 1/4" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.07

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54706 **DST#: 4**

Test Start: 2013.11.26 @ 11:36:15

Tool Information

Drill Pipe:	Length:	4437.00 ft	Diameter:	3.80	inches	Volume:	62.24	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	62.24	bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	4437.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	31.00 ft
Tool Length:	62.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		70000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	56000.00 lb
	Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4407.00		
Shut In Tool	5.00			4412.00		
Sampler	3.00			4415.00		
Hydraulic tool	5.00			4420.00		
Jars	5.00			4425.00		
Safety Joint	3.00			4428.00		
Packer	5.00			4433.00	31.00	Bottom Of Top Packer
Packer	4.00			4437.00		
Stubb	1.00			4438.00		
Recorder	0.00	8737	Inside	4438.00		
Recorder	0.00	8846	Outside	4438.00		
Perforations	25.00			4463.00		
Bullnose	5.00			4468.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**62.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54706 **DST#: 4**

Test Start: 2013.11.26 @ 11:36:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.15 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil spots	0.070

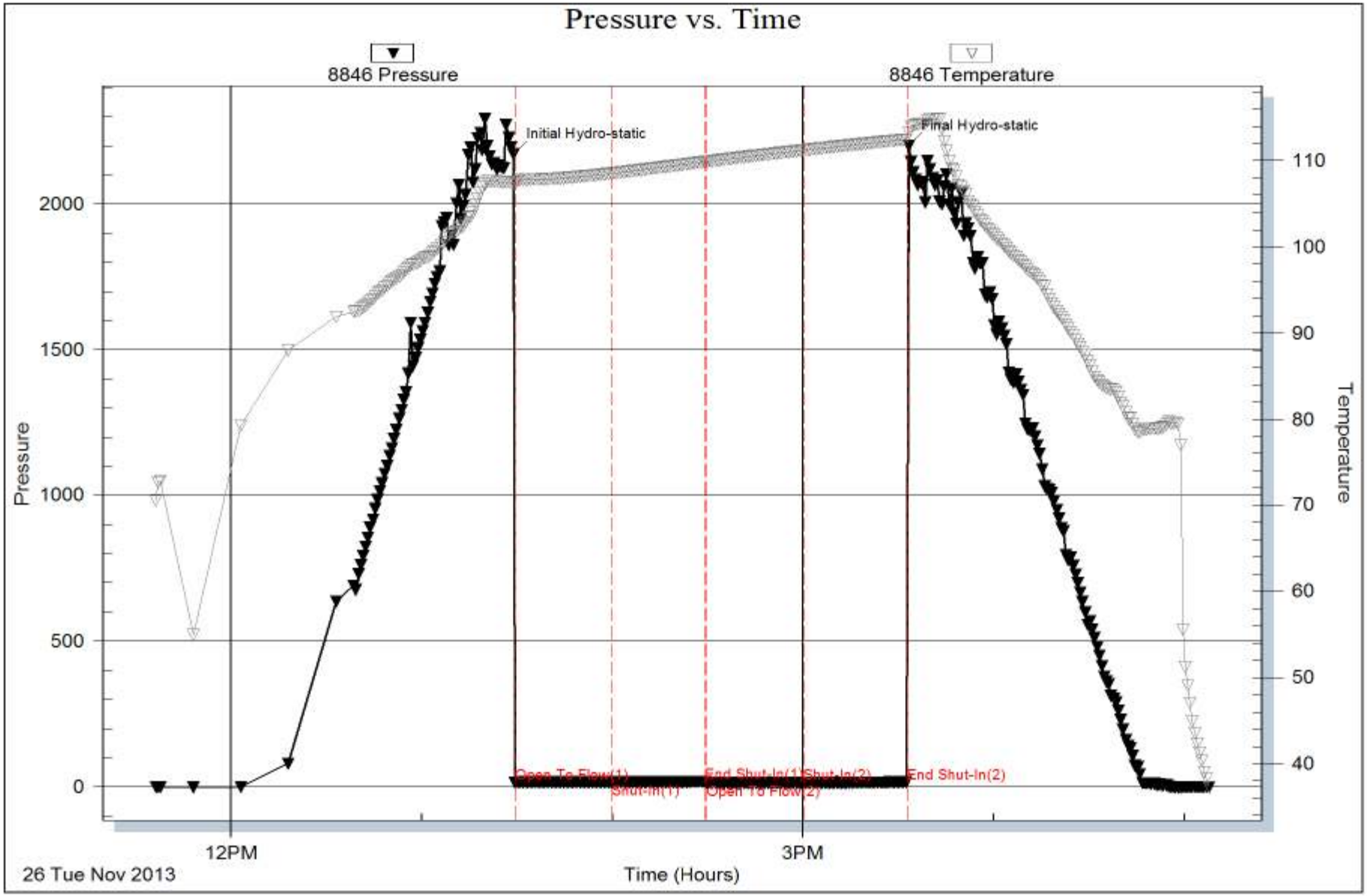
Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

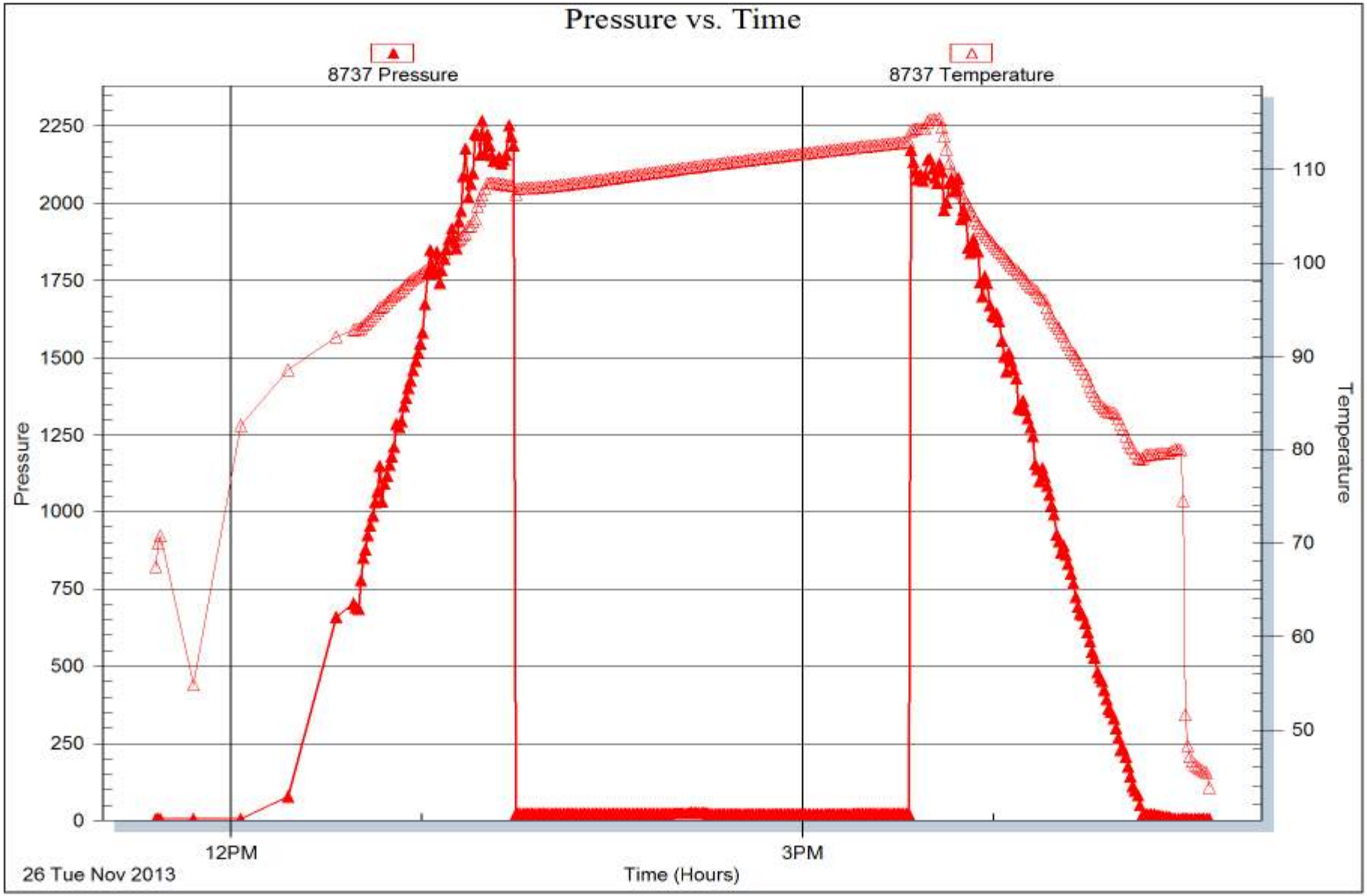
Recovery Comments:

Serial #: 8846 **Outside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 54706 Printed: 2013.11.29 @ 12:41:41

Serial #: 8737 **Inside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 54706 Printed: 2013.11.29 @ 12:41:41

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.27 @ 09:06:15

End Date: 2013.11.27 @ 14:53:00

Job Ticket #: 54707 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.29 @ 12:40:58

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54707 **DST#: 5**

Test Start: 2013.11.27 @ 09:06:15

GENERAL INFORMATION:

Formation: **Ft.Scott-Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:10:45
Time Test Ended: 14:53:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4480.00 ft (KB) To 4581.00 ft (KB) (TVD)
Total Depth: 4581.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

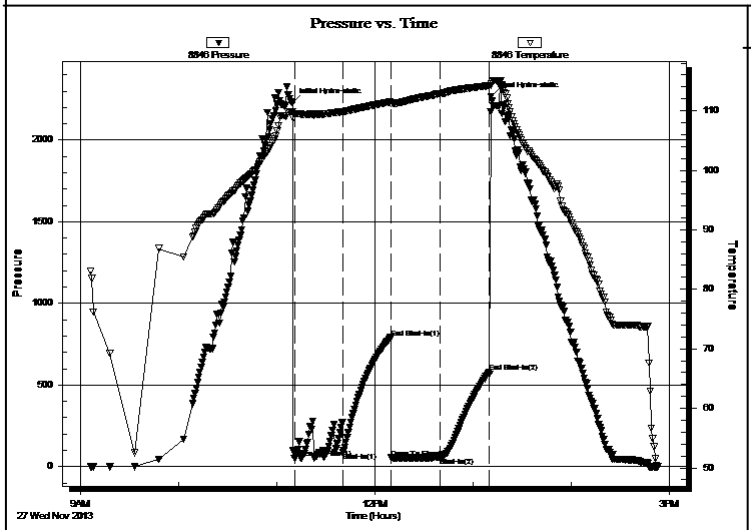
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: 55.10 psig @ 4481.00 ft (KB)
Start Date: 2013.11.27 End Date: 2013.11.27
Start Time: 09:06:15 End Time: 14:53:00

Capacity: 8000.00 psig
Last Calib.: 2013.11.27
Time On Btm: 2013.11.27 @ 11:09:45
Time Off Btm: 2013.11.27 @ 13:11:00

TEST COMMENT: IF:Built to 1" blow
IS:No return blow
FF:Built to weak surface blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.36	109.85	Initial Hydro-static
1	52.23	109.48	Open To Flow (1)
31	86.13	109.81	Shut-In(1)
60	790.06	111.48	End Shut-In(1)
61	54.32	111.24	Open To Flow (2)
90	55.10	112.87	Shut-In(2)
120	577.82	114.25	End Shut-In(2)
122	2264.78	114.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.87

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54707 **DST#: 5**

Test Start: 2013.11.27 @ 09:06:15

GENERAL INFORMATION:

Formation: **Ft.Scott-Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:10:45
Time Test Ended: 14:53:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4480.00 ft (KB) To 4581.00 ft (KB) (TVD)
Total Depth: 4581.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

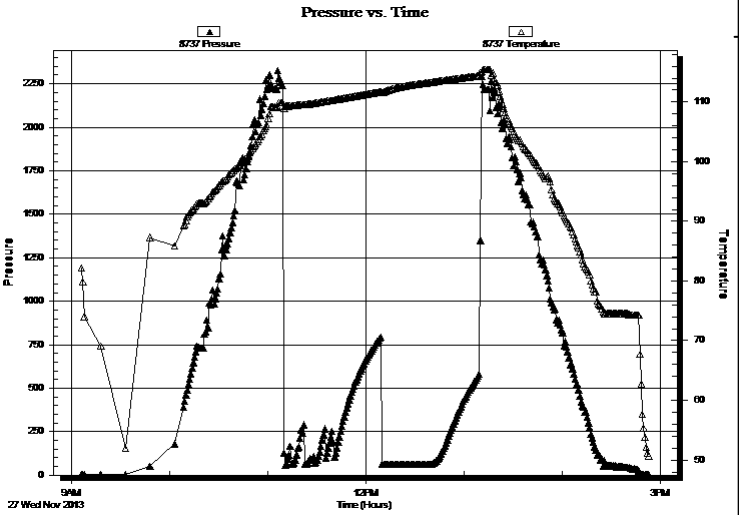
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4481.00 ft (KB)
Start Date: 2013.11.27 End Date: 2013.11.27
Start Time: 09:06:15 End Time: 14:53:00

Capacity: 8000.00 psig
Last Calib.: 2013.11.27
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 1" blow
IS:No return blow
FF:Built to weak surface blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.87

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54707 **DST#: 5**

Test Start: 2013.11.27 @ 09:06:15

Tool Information

Drill Pipe:	Length:	4468.00 ft	Diameter:	3.80 inches	Volume:	62.67 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	62.67 bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	4480.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	101.00 ft
Tool Length:	133.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		70000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	56000.00 lb
	Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4449.00		
Shut In Tool	5.00			4454.00		
Sampler	3.00			4457.00		
Hydraulic tool	5.00			4462.00		
Jars	5.00			4467.00		
Safety Joint	3.00			4470.00		
Packer	5.00			4475.00	32.00	Bottom Of Top Packer
Packer	5.00			4480.00		
Stubb	1.00			4481.00		
Recorder	0.00	8846	Inside	4481.00		
Recorder	0.00	8737	Outside	4481.00		
Perforations	5.00			4486.00		
Change Over Sub	1.00			4487.00		
Drill Pipe	63.00			4550.00		
Change Over Sub	1.00			4551.00		
Perforations	25.00			4576.00		
Bullnose	5.00			4581.00	101.00	Bottom Packers & Anchor
Total Tool Length:	**133.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54707 **DST#: 5**

Test Start: 2013.11.27 @ 09:06:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.96 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud 100%m	0.870

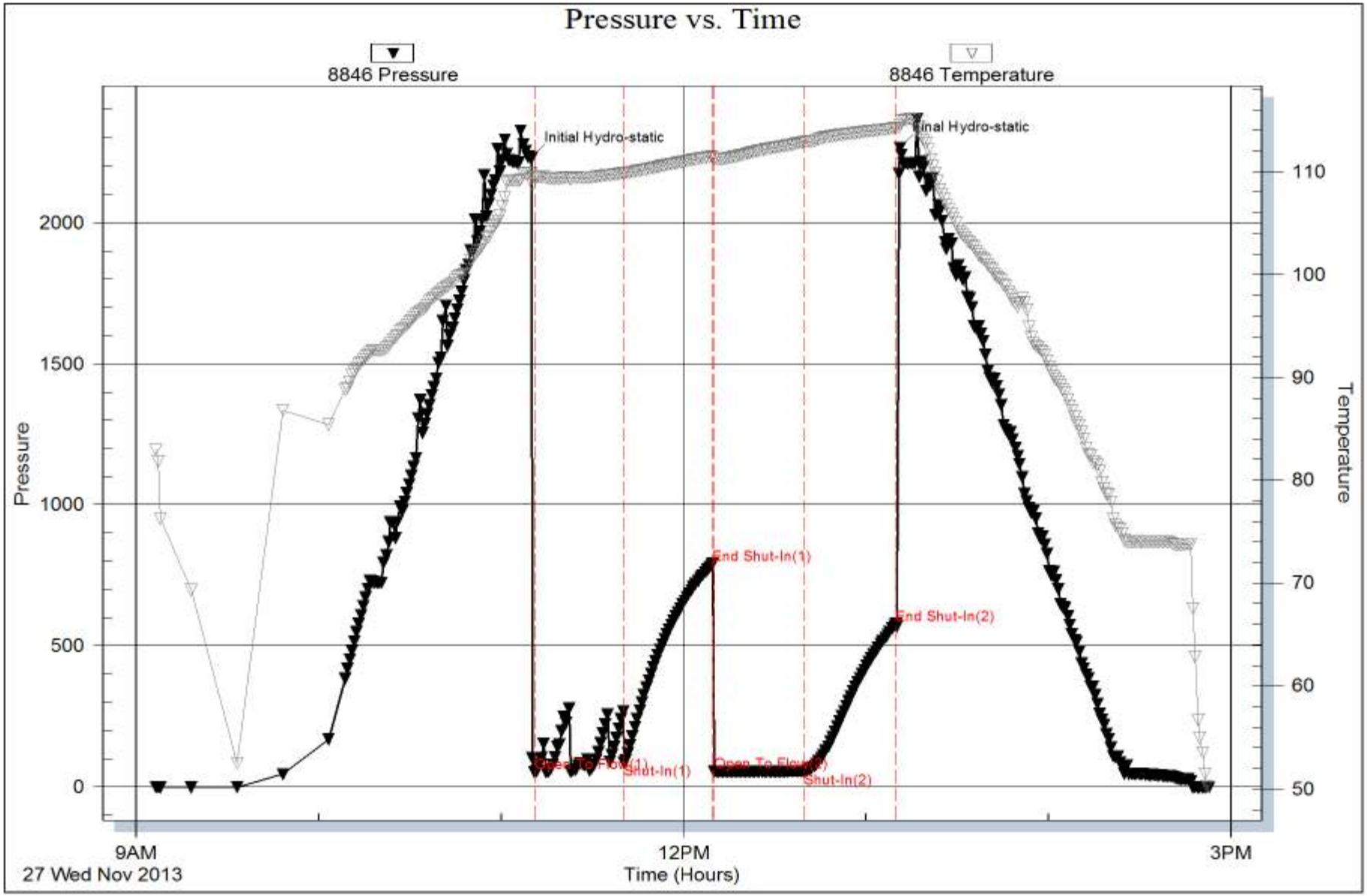
Total Length: 62.00 ft Total Volume: 0.870 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

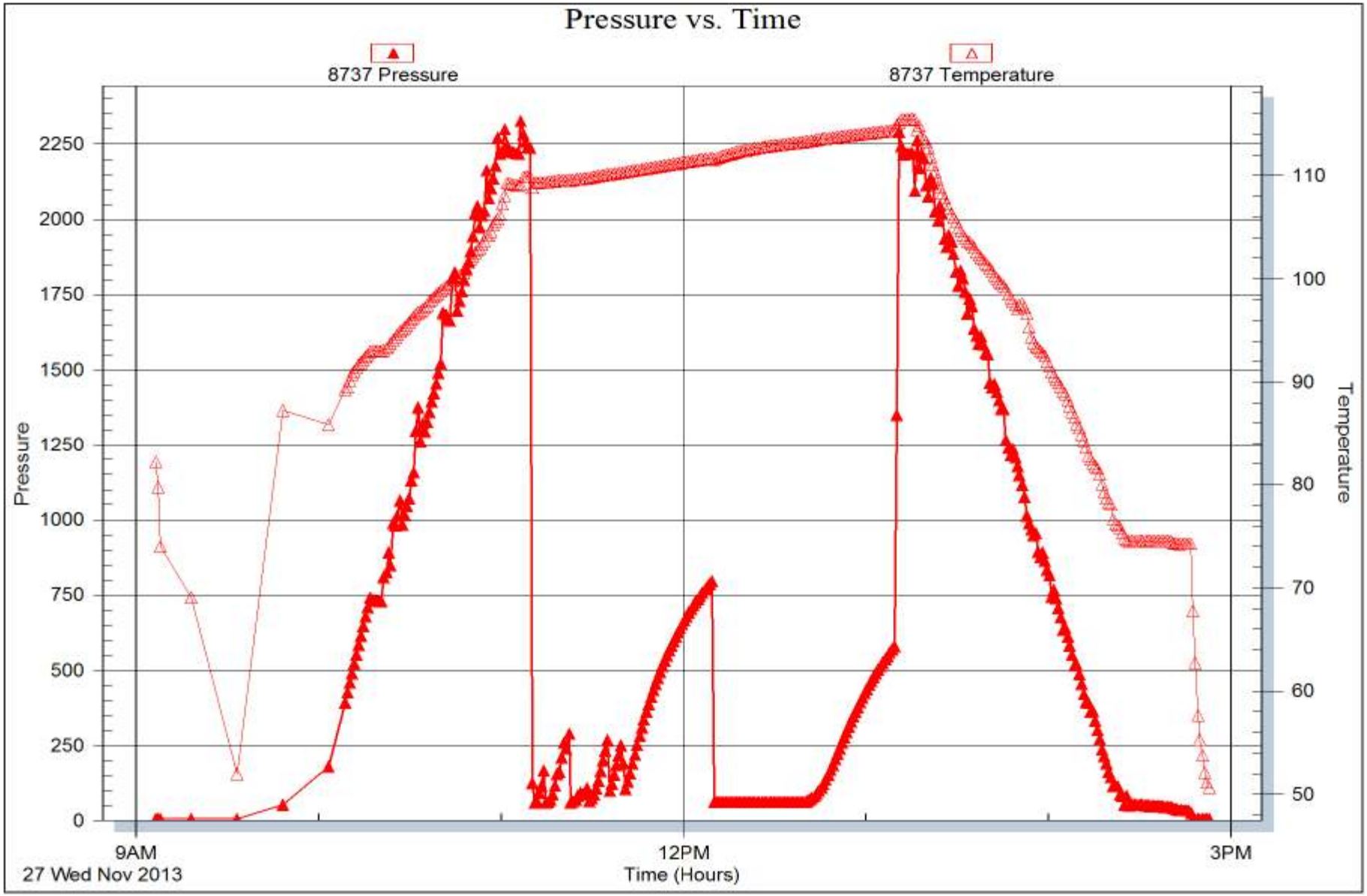
Recovery Comments:

Serial #: 8846 **Inside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 54707 Printed: 2013.11.29 @ 12:41:01

Serial #: 8737 **Outside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 54707 Printed: 2013.11.29 @ 12:41:01

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

Rodenberg #1-19

19-16s-31w Scott,KS

Start Date: 2013.11.27 @ 23:49:15

End Date: 2013.11.28 @ 08:23:00

Job Ticket #: 54708 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.11.29 @ 12:31:59

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54708 **DST#: 6**

Test Start: 2013.11.27 @ 23:49:15

GENERAL INFORMATION:

Formation: **Basel Penn Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:30
Time Test Ended: 08:23:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4582.00 ft (KB) To 4614.00 ft (KB) (TVD)
Total Depth: 4582.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

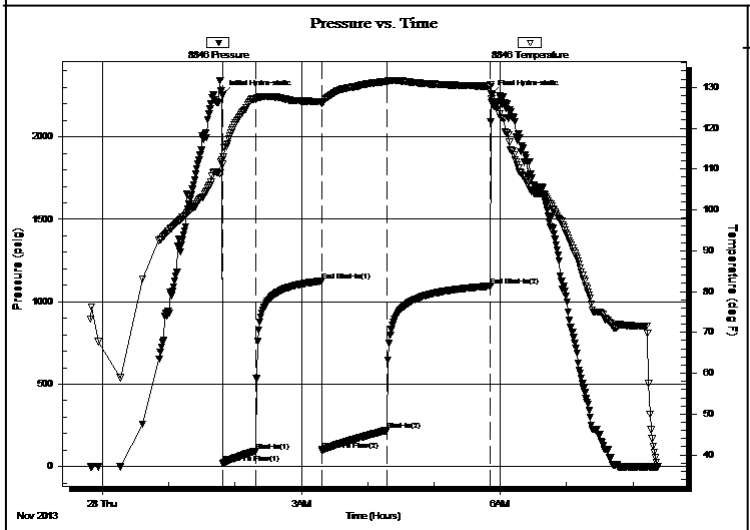
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8846 **Outside**

Press@RunDepth: 220.04 psig @ 4583.00 ft (KB)
Start Date: 2013.11.27 End Date: 2013.11.28
Start Time: 23:49:15 End Time: 08:23:00

Capacity: 8000.00 psig
Last Calib.: 2013.11.28
Time On Btm: 2013.11.28 @ 01:48:15
Time Off Btm: 2013.11.28 @ 05:52:00

TEST COMMENT: IF:Built to 6" blow
IS:No return blow
FF:Built to 4" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.63	112.31	Initial Hydro-static
1	19.46	111.15	Open To Flow (1)
31	94.64	127.11	Shut-In(1)
90	1125.74	126.56	End Shut-In(1)
91	99.59	126.32	Open To Flow (2)
149	220.04	131.45	Shut-In(2)
243	1095.54	130.26	End Shut-In(2)
244	2259.31	127.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm and skim of oil 30%w 70%m	1.74
124.00	mcw 20%m 80%w	1.74
186.00	sw 100% sw	2.61

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54708 **DST#: 6**

Test Start: 2013.11.27 @ 23:49:15

GENERAL INFORMATION:

Formation: **Basel Penn Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:30
Time Test Ended: 08:23:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65

Interval: 4582.00 ft (KB) To 4614.00 ft (KB) (TVD)
Total Depth: 4582.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

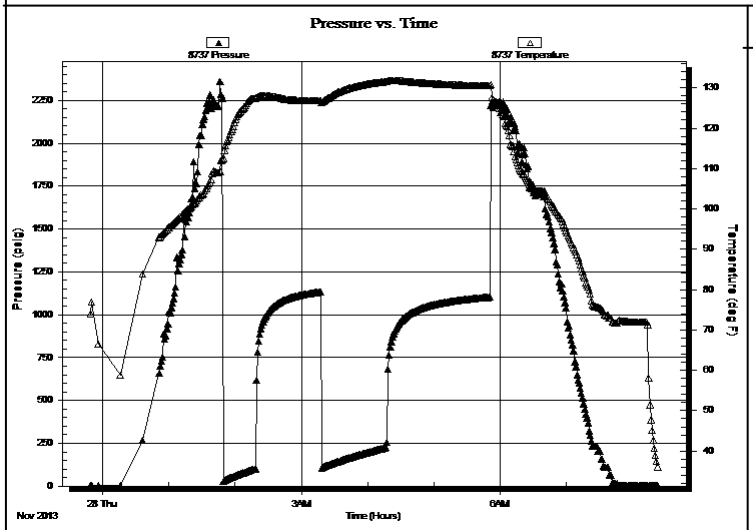
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8737 **Inside**

Press@RunDepth: psig @ 4583.00 ft (KB)
Start Date: 2013.11.27 End Date: 2013.11.28
Start Time: 23:49:15 End Time: 08:22:45

Capacity: 8000.00 psig
Last Calib.: 2013.11.28
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to 6" blow
IS:No return blow
FF:Built to 4" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm and skim of oil 30%w 70%m	1.74
124.00	mcw 20%m 80%w	1.74
186.00	sw 100% sw	2.61

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corporation

1625 N Waterfront Pkw y
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54708 **DST#: 6**

Test Start: 2013.11.27 @ 23:49:15

Tool Information

Drill Pipe:	Length:	4563.00 ft	Diameter:	3.80	inches	Volume:	64.01	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	64.01	bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4582.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	32.00 ft
Tool Length:	63.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		70000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	56000.00 lb
	Final	58000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4552.00		
Shut In Tool	5.00			4557.00		
Sampler	3.00			4560.00		
Hydraulic tool	5.00			4565.00		
Jars	5.00			4570.00		
Safety Joint	3.00			4573.00		
Packer	5.00			4578.00	31.00	Bottom Of Top Packer
Packer	4.00			4582.00		
Stubb	1.00			4583.00		
Recorder	0.00	8737	Inside	4583.00		
Recorder	0.00	8846	Outside	4583.00		
Perforations	26.00			4609.00		
Bullnose	5.00			4614.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**63.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corporation

1625 N Waterfront Pkwy
Wichita KS 67206

ATTN: Dave Goldak

19-16s-31w Scott,KS

Rodenberg #1-19

Job Ticket: 54708 **DST#: 6**

Test Start: 2013.11.27 @ 23:49:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	25000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.38 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w cm and skim of oil 30%w 70%m	1.739
124.00	mcw 20%m 80%w	1.739
186.00	sw 100% sw	2.609

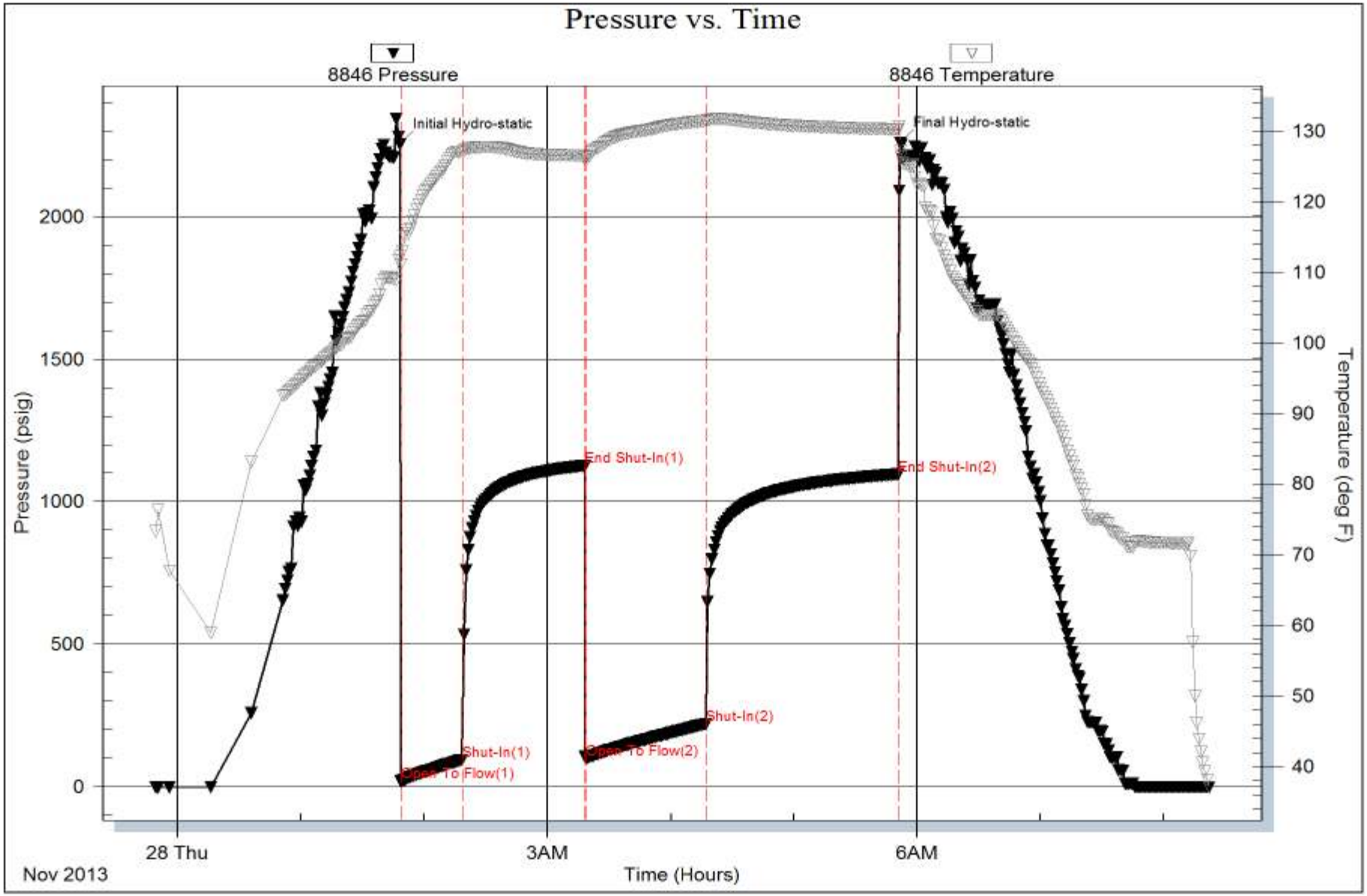
Total Length: 434.00 ft Total Volume: 6.087 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

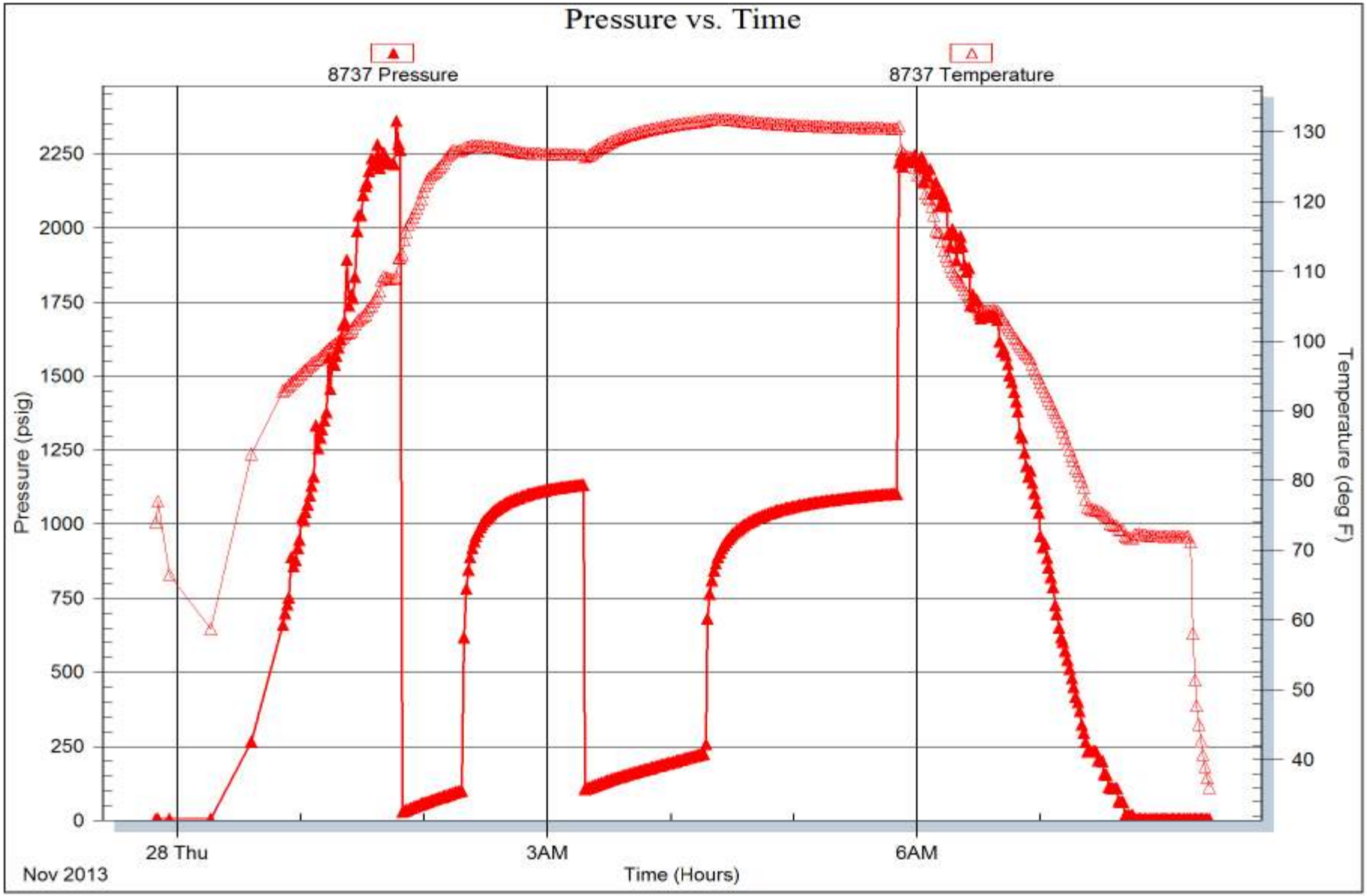
Recovery Comments: RW= .651@31.8*=25,000 ppm

Serial #: 8846 **Outside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 54708 Printed: 2013.11.29 @ 12:32:02

Serial #: 8737 **Inside** Stelbar Oil Corporation Rodenberg #1-19 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 54708 Printed: 2013.11.29 @ 12:32:02

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54703

Well Name & No. Rodenberg #1-19 Test No. 1 Date 11-23-13

Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL

Address 1625 N. Waterfront Pkwy Wichita KS 67206

Co. Rep / Geo. Dave Goldak Rig Pickrell 10

Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 3992-4014 Zone Tested LKC "B"

Anchor Length 22 Drill Pipe Run 3968 Mud Wt. 8.9

Top Packer Depth 3988 Drill Collars Run 0 Vis 68

Bottom Packer Depth 3992 Wt. Pipe Run 0 WL 6.8

Total Depth 4014 Chlorides 1600 ppm System LCM 2

Blow Description IF: Built to 1/8"
IS: No Return Blow
FF: Built to 3/4"
FS: No Return Blow

Rec 15	Feet of MCO	%gas 60	%oil	%water 40	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 107 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	1923	☑ Test	1250.00	T-On Location	02:30
(B) First Initial Flow	15	☑ Jars	250.00	T-Started	05:40
(C) First Final Flow	19	☑ Safety Joint	75.00	T-Open	07:46
(D) Initial Shut-In	801	☑ Circ Sub	NC	T-Pulled	09:46
(E) Second Initial Flow	21	☐ Hourly Standby		T-Out	
(F) Second Final Flow	21	☑ Mileage 40RT	62.00	Comments	
(G) Final Shut-In	498	☑ Sampler	250.00		
(H) Final Hydrostatic	1916	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	0
Final Flow	30	☐ Day Standby		Total	1887
Final Shut-In	30	☐ Accessibility		MP/DST Disc't	
		Sub Total	1887.00		

Approved By Dave Goldak Our Representative Mike Robertson

Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54703 Date 11-23-13

Company Name Stelbar Oil Corporation

Lease Rodenberg #1-19 Test No. 1

County Scott Sec. 19 Twp. 16 S Rng. 31W

SAMPLER RECOVERY

Gas 0 ML

Oil 12 ML

Mud 8 ML

Water 0 ML

Other 0 ML

Pressure 0 ML

Total 20 ML

PIT MUD ANALYSIS

Chlorides 1600 ppm.

~~Resistivity~~ ohms @ F

Viscosity 68

Mud Weight 8.9

Filtrate 0 6.8

LCM ~~Other~~ 2

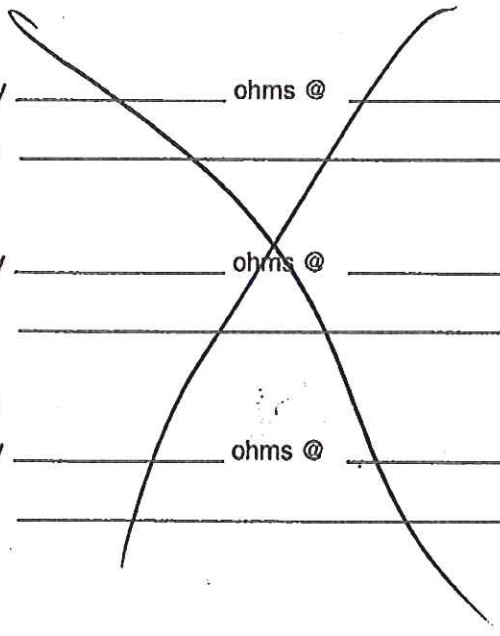
SAMPLER ANALYSIS

Resistivity ohms @ F

Chlorides ppm.

Gravity NA corrected @60F

PIPE RECOVERY



TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity ohms @ F

Chlorides ppm.

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54704

Well Name & No. Rodeberg # 1-19 Test No. 2 Date 11-24-13

Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL

Address 1625 N. Waterfront Pkwy Wichita KS 67206

Co. Rep / Geo. Dave Goldak Rig Pickrell 10

Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4020-4068 Zone Tested C+D

Anchor Length 48' Drill Pipe Run 4000 Mud Wt. 8.9

Top Packer Depth 4014 Drill Collars Run 0 Vis 68

Bottom Packer Depth 4020 Wt. Pipe Run 0 WL 6.8

Total Depth 4068 Chlorides 1600 ppm System LCM 2

Blow Description IF: Built to 7½" Blow

ISI: Built to Weak Surface Blow

FF: Built to 9" Blow

FSI: Built to Weak Surface Blow

Rec	4	Feet of	Free Oil	%gas	100	%oil		%water	%mud
Rec	62	Feet of	OCM	%gas	20	%oil		%water	80 %mud
Rec	62	Feet of	OCWM	%gas	5	%oil	55	%water	40 %mud
Rec	62	Feet of	OCM	%gas	20	%oil		%water	80 %mud
Rec		Feet of		%gas		%oil		%water	%mud

Rec Total 190 BHT 119 Gravity 31 API RW .221 @ 40.1 °F Chlorides 14,000 ppm

(A) Initial Hydrostatic	1963	☑ Test	1250.00	T-On Location	22:30
(B) First Initial Flow	38	☑ Jars	250.00	T-Started	23:34
(C) First Final Flow	69	☐ Safety Joint	75.00	T-Open	02:02
(D) Initial Shut-In	979	☑ Circ Sub		T-Pulled	06:02
(E) Second Initial Flow	73	☐ Hourly Standby		T-Out	08:12
(F) Second Final Flow	123	☑ Mileage 4 MT	= 62.00	Comments	
(G) Final Shut-In	960	☑ Sampler	250.00		
(H) Final Hydrostatic	1959	☐ Straddle			
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	60	☐ Extra Recorder		☐ Extra Copies	
Final Flow	60	☐ Day Standby		Sub Total	0
Final Shut-In	90	☐ Accessibility		Total	1887
		Sub Total	$1887.00	MP/DST Disc't	

Approved By [signature] Our Representative Mike Robertson

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54704 Date 11-24-13

Company Name Stelbar Oil Corporation

Lease Rodenberg #1-19 Test No. 2

County Scott Sec. 19 Twp. 16S Rng. 31W

SAMPLER RECOVERY

Gas Ø ML

Oil Ø ML

Mud 100 ML

Water Ø ML

Other Ø ML

Pressure Ø ML

Total 100 ML

PIT MUD ANALYSIS

Chlorides 1600 ppm.

Resistivity ~~0.18~~ ohms @ F

Viscosity 68

Mud Weight 8.9

~~Filtrate~~ Ø 6.8

LCM ~~Other~~ 2

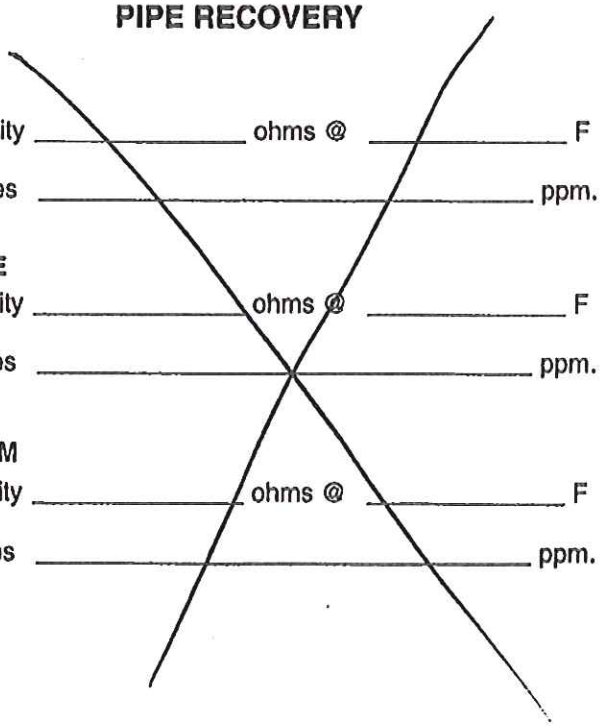
SAMPLER ANALYSIS

Resistivity ohms @ F

Chlorides ppm.

Gravity ~~Ø~~ ~~Ø~~ NA corrected @60F

PIPE RECOVERY



TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity ohms @ F

Chlorides ppm.

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54705

Well Name & No. Rodenberg #1-19 Test No. 3 Date 11-25-13

Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL

Address 1625 N. Waterfront Pkwy Wichita KS 67206

Co. Rep / Geo. Dave Goldak Rig Pickrell 10

Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4132-4206 - 4218 Zone Tested LKC H-I

Anchor Length 74 Drill Pipe Run 4125 Mud Wt. 9.1

Top Packer Depth 4128 Drill Collars Run 0 Vis 46

Bottom Packer Depth 4132 Wt. Pipe Run 0 WL 8.0

Total Depth 4218 Chlorides 1800 ppm System LCM 2

Blow Description IF: Built to 3" Blow
IS: No Return Blow
FF: Built to 5" Blow
FS: No Return Blow

Rec 90	Feet of MUD with oil Spots	%gas	%oil	%water	100	%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud
Rec	Feet of	%gas	%oil	%water		%mud

Rec Total 90 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2020	☑ Test	1250.00	T-On Location	22:30
(B) First Initial Flow	48	☑ Jars	250.00	T-Started	01:18
(C) First Final Flow	63	☑ Safety Joint	75.00	T-Open	03:20
(D) Initial Shut-In	1114	☑ Circ Sub	NC	T-Pulled	07:20
(E) Second Initial Flow	64	☐ Hourly Standby		T-Out	09:30
(F) Second Final Flow	88	☑ Mileage	40RT 62.00	Comments	
(G) Final Shut-In	1100	☑ Sampler	250.00		
(H) Final Hydrostatic	2043	☑ Straddle	600.00 M/-		
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	60	☐ Extra Recorder		☐ Extra Copies	
Final Flow	60	☐ Day Standby		Sub Total	0
Final Shut-In	90	☐ Accessibility		Total	2487
		Sub Total	2487.00	MP/DST Disc't	

Approved By Dave Goldak Our Representative Mike Rodman

Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54705 Date 11-25-13

Company Name Stelbar Oil Corporation

Lease Rodenberg #1-19 Test No. 3

County Scott Sec. 19 Twp. 16S Rng. 31W

SAMPLER RECOVERY

Gas 0 ML

Oil Spots ML

Mud @ ~~Spots~~ 3000 ML

Water 0 ML

Other 0 ML

Pressure 0 ML

Total 2,000 ML

PIT MUD ANALYSIS

Chlorides 1800 ppm.

~~Resistivity~~ [illegible] ohms @ F

Viscosity 46

Mud Weight 9.1

~~Filtrate~~ 8.0

LCM ~~Other~~ 2

SAMPLER ANALYSIS

Resistivity ohms @ F

Chlorides ppm.

Gravity NA corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity ohms @ F

Chlorides ppm.

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54706

Well Name & No. Rodenberg #1-19 Test No. 4 Date 11-26-13

Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL

Address 1625 N. Waterfront Pkwy Wichita KS 67206

Co. Rep / Geo. Dave Goldak Rig Pickrell 10

Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4437-4468 Zone Tested Pawnee

Anchor Length ~~4433~~ 31 Drill Pipe Run 4437 Mud Wt. 9.2

Top Packer Depth ~~4433~~ 4431 Drill Collars Run 0 Vis 47

Bottom Packer Depth 4437 Wt. Pipe Run 0 WL 9.2

Total Depth 4468 Chlorides 1700 ppm System LCM 2

Blow Description IF: Built to 1/4" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec 5	Feet of MUD with oil spots	%gas	%oil	%water 100	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2170	☑ Test 1250.00	T-On Location 10:10	
(B) First Initial Flow 14	☑ Jars 250.00	T-Started 11:36	
(C) First Final Flow 15	☑ Safety Joint 75.00	T-Open 13:30	
(D) Initial Shut-In 17	☑ Circ Sub NC	T-Pulled 15:30	
(E) Second Initial Flow 14	☐ Hourly Standby	T-Out 17:08	
(F) Second Final Flow 14	☑ Mileage 40 RT 62.	Comments	
(G) Final Shut-In 15	☑ Sampler 250.00		
(H) Final Hydrostatic 2199	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1637	
Final Shut-In 30	☐ Accessibility	MP/DST Disc't	
	Sub Total 1637 1887.00		

Approved By [signature] Our Representative [signature]

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54706 Date 11-26-13

Company Name Stelbar Oil Corporation

Lease Rodenberg # 1-19 Test No. 4

County Scott Sec. 19 Twp. 16S Rng. 31W

SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud _____ ML

Water _____ ML

Other _____ ML

Pressure _____ ML

Total _____ ML

PIT MUD ANALYSIS

Chlorides 1700 ppm.

~~Resistivity~~ 9.2 ohms @ _____ F

Viscosity 47

Mud Weight 9.2

~~Filtrate~~ 9.2

~~Other~~ Lgm 2

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54707

Well Name & No. Rodenberg #1-19 Test No. 5 Date 11-27-13

Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL

Address 1625 N. Waterfront Pkwy Wichita KS 67206

Co. Rep / Geo. Dave Goldak Rig Pickrell 10

Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4480-4581 Zone Tested Ft Scott Johnson

Anchor Length 101 Drill Pipe Run 4468 Mud Wt. 9.4

Top Packer Depth 4474 Drill Collars Run 0 Vis 65

Bottom Packer Depth 4480 Wt. Pipe Run 0 WL 12.0

Total Depth 4581 Chlorides 1800 ppm System LCM 2

Blow Description IF: Built to 1" Blow
ISI No Return Blow
FF: Built to Weak Surface Blow
FSI No Return Blow

Rec 62	Feet of MUD	%gas	%oil	%water 100	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 62 BHT 114 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2229	☑ Test	1250.00	T-On Location	08:15
(B) First Initial Flow	52	☑ Jars	250.00	T-Started	09:06
(C) First Final Flow	86	☑ Safety Joint	75.00	T-Open	11:10
(D) Initial Shut-In	790	☑ Circ Sub	NC	T-Pulled	13:10
(E) Second Initial Flow	54	☐ Hourly Standby		T-Out	14:53
(F) Second Final Flow	55	☑ Mileage	40RT = 62.00	Comments	
(G) Final Shut-In	577	☑ Sampler	250.00		
(H) Final Hydrostatic	2264	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	0
Final Flow	30	☐ Day Standby		Total	1887
Final Shut-In	30	☐ Accessibility		MP/DST Disc't	
		Sub Total	4887.00		

Approved By [signature] Our Representative Mike Roberts

TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54707 Date 11-27-13

Company Name Stelbar Oil Corporation

Lease Rodenberg #1-19 Test No. 5

County Scott Sec. 19 Twp. 16S Rng. 31W

SAMPLER RECOVERY

Gas 0 ML

Oil 0 ML

Mud 3000 ML

Water 0 ML

Other 0 ML

Pressure 0 ML

Total 3000 ML

PIT MUD ANALYSIS

Chlorides 1800 ppm.

Resistivity ~~1.40~~ NA ohms @ F

Viscosity 65

Mud Weight 9.4

Filtrate 12.0

Cake Other 2

SAMPLER ANALYSIS

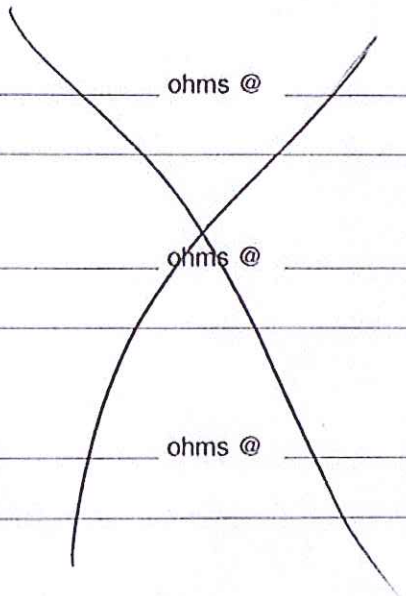
Resistivity ohms @ F

Chlorides ppm.

NA

Gravity corrected @60F

PIPE RECOVERY



TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity ohms @ F

Chlorides ppm.

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1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54708 11-28-13

Well Name & No. Rodenberg #1-19 Test No. 6 Date 11-27-13

Company Stelbar Oil Corporation Elevation 2957 KB 2952 GL

Address 1625 N. Waterfront Pkwy Wichita KS 67206

Co. Rep / Geo. Dave Goldak Rig Pickrell 10

Location: Sec. 19 Twp. 16S Rge. 31W Co. Scott State KS

Interval Tested 4582-4614 Zone Tested Basel Penn Sand

Anchor Length 32' Drill Pipe Run 4563 Mud Wt. 9.4

Top Packer Depth 4578 Drill Collars Run 0 Vis 56

Bottom Packer Depth 4582 Wt. Pipe Run 0 WL 11.4

Total Depth 4614 Chlorides 1600 ppm System LCM 2

Blow Description IF: Built to 6" Blow
IS: No Return Blow
FF: Built to 4" Blow
FS: No Return Blow

Rec 124	Feet of WCM Skim of Oil	%gas	%oil 30	%water 70	%mud
Rec 124	Feet of MCW	%gas	%oil 80	%water 20	%mud
Rec 186	Feet of SW	%gas	%oil 100	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total BHT 130 Gravity — API RW .651 @ 31.8 °F Chlorides 25000 ppm

(A) Initial Hydrostatic	2254	☑ Test	1250.00	T-On Location	22:50
(B) First Initial Flow	19	☑ Jars	250.00	T-Started	23:49
(C) First Final Flow	94	☑ Safety Joint	75.00	T-Open	01:48
(D) Initial Shut-In	1125	☑ Circ Sub	NC	T-Pulled	05:48
(E) Second Initial Flow	99	☐ Hourly Standby		T-Out	08:23
(F) Second Final Flow	220	☑ Mileage	40 RT 62.00	Comments	
(G) Final Shut-In	1095	☑ Sampler	250.00		
(H) Final Hydrostatic	2259	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	60	☐ Extra Recorder		Sub Total	0
Final Flow	60	☐ Day Standby		Total	1887
Final Shut-In	90	☐ Accessibility		MP/DST Disc't	
		Sub Total	$887.00		

Approved By [signature] Our Representative Mike Roberts

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FLUID SAMPLER DATA

Ticket No. 54708 Date 7-28-13

Company Name Stelbar Oil Corporation

Lease Rodenberg #1-19 Test No. 6

County Scott Sec. 19 Twp. 16S Rng. 31W

SAMPLER RECOVERY

Gas Ø ML

Oil Ø ML

Mud Ø ML

Water 3000 ML

Other Ø ML

Pressure Ø ML

Total 3000 ML

PIT MUD ANALYSIS

Chlorides 1600 ppm.

~~Resistivity~~ ohms @ F

Viscosity 56

Mud Weight 9.4

Filtrate 11.4

~~Other~~ LCM 2

SAMPLER ANALYSIS

Resistivity 1,651 ohms @ 31.8/- F

Chlorides 25,000 ppm.

Gravity NA corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms @ F

Chlorides ppm.

MIDDLE

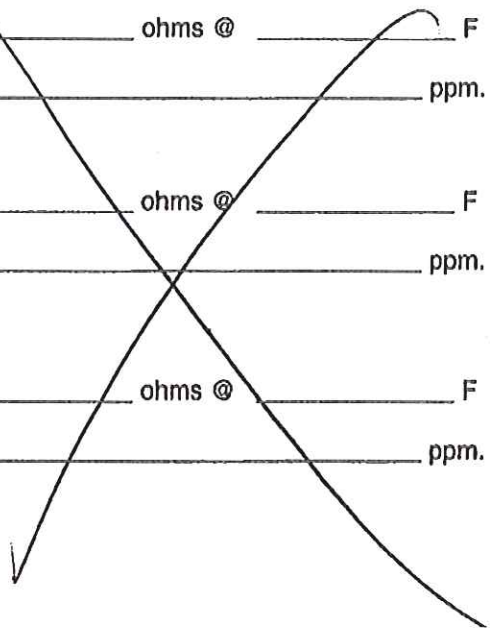
Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity ohms @ F

Chlorides ppm.



GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**Rodenberg #1-19**		
Location:	**Section 19 - T16S - R31W**		
License Number:	**API: 15-171-20992**	**Region:**	**Scott Co., KS**
Spud Date:	**11 / 18 / 2013**	**Drilling Completed:**	**11 / 29 / 2013**
Surface Coordinates:	**423' FNL and 1916' FEL** **Approx. N/2 - NW - NE**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2950'**	**K.B. Elevation (ft):**	**2957'**
Logged Interval (ft):	**3700'** **To: 4702'**	**Total Depth (ft):**	**4702'**
Formation:	**Mississippian - St Louis**		
Type of Drilling Fluid:	**Chemical - Mud-Co**		

OPERATOR

Company: **Stelbar Oil Corporation**
Address: **1625 N. Waterfront Pkwy., Suite 200**
Wichita, Kansas 67206-6602

GEOLOGIST

Name: **David J. Goldak**
Company: **D. J. GOLDAK, INC.**
Address: **155 N. Market, Suite 710**
Wichita, Kansas 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ-L116	15-15-15	312	312	4.00
2	7-7/8	JZ-PL516-PDC	15-15-15	3811	3499	40.00
3	7-7/8	JZ-QX33	15-15-15	4702	891	49.75

SURVEYS: 312'-0.50, 874'-0.50, 1436'-0.50, 2124'-0.75, 2624'-0.75, 3811'-0.75, 4702'-0.75

GENERAL DRILLING & PUMP INFORMATION:
Drilling with 36,000-38,000 lbs on bit and 70-75 RPM.
Running 8 stands of collars (6.25"x2.25"): 490.13'
Pumping 60 S/M; 7.7 B/M; 650-750 psi at the standpipe.

Daily Status

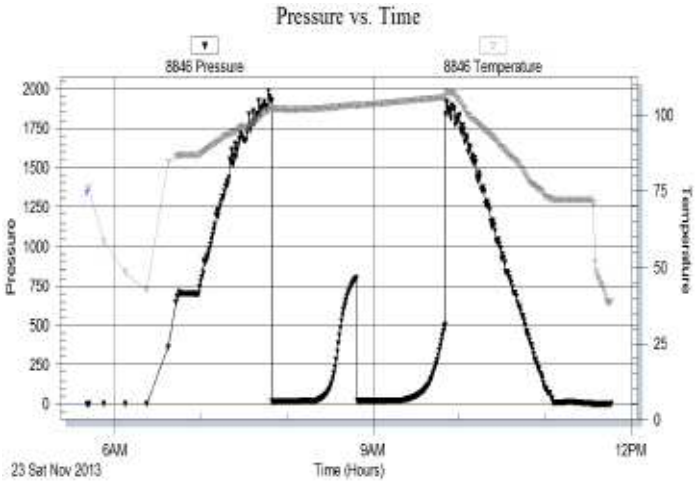
11/18/13 - Spud at 8:30 PM; Set 8-5/8" csg at 310'
11/19/13 - 312' WOC
11/20/13 - 1,220' Drilling
11/21/13 - 2,945' Drilling; Displace mud system at 3,470'
11/22/13 - 3,811' CFS; Bit trip @ 3,811'
11/23/13 - 4,014' TIH with DST #1
11/24/13 - 4,068' TOH with DST #2
11/25/13 - 4,218' On bottom with DST #3
11/26/13 - 4,440' Drilling; DST #4 @ 4,468'
11/27/13 - 4,581' CFS; DST #5 @ 4,581'
11/28/13 - 4,614' TOH with DST #6
11/29/13 - 4,702' Preparing to plug

DST #1: 3,992' - 4,014' (LKC "B")
30" - 30" - 30" - 30"

IF: Weak blow, building to 1-1/8 inches
ISI: No blow back
FF: Weak blow, building to 3/4 inch
FSI: No blow back

RECOVERY: 15' Total Fluid, consisting of:
15' MCO (60% O, 40% M)
Sampler: 12 ml Oil & 8 ml Mud

SIP: 801-498; FP: 16-20, 21-22; HP: 1924-1917; BHT: 107

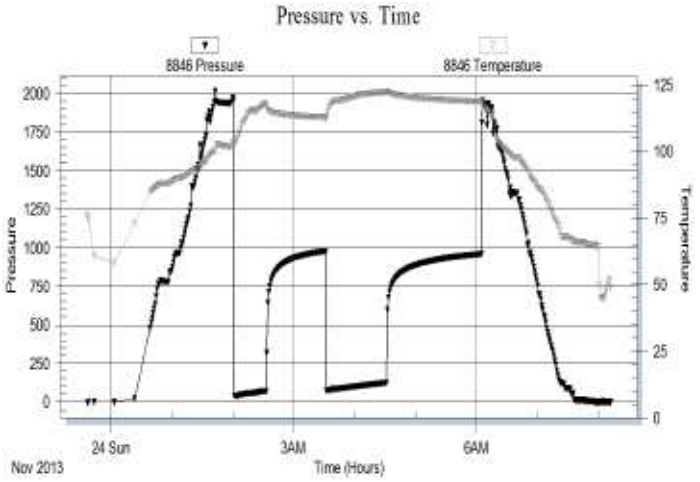


DST #2: 4,020' - 4,068' (LKC "C-D")
30" - 60" - 60" - 90"

IF: Weak blow, building to 7-1/2 inches
ISI: Weak surface blow back
FF: Weak blow, building to 9 inches
FSI: Weak surface blow back

RECOVERY: 190' Total Fluid, consisting of:
4' CO (100% O); Gravity: 31
124' OCM (20% O, 80% M)
62' OCMW (5% O, 55% W, 40% M)
Chlorides recovery: 14,000 ppm
Sampler: 100 ml Oil

SIP: 980-961; FP: 39-70, 73-124; HP: 1963-1959; BHT: 119

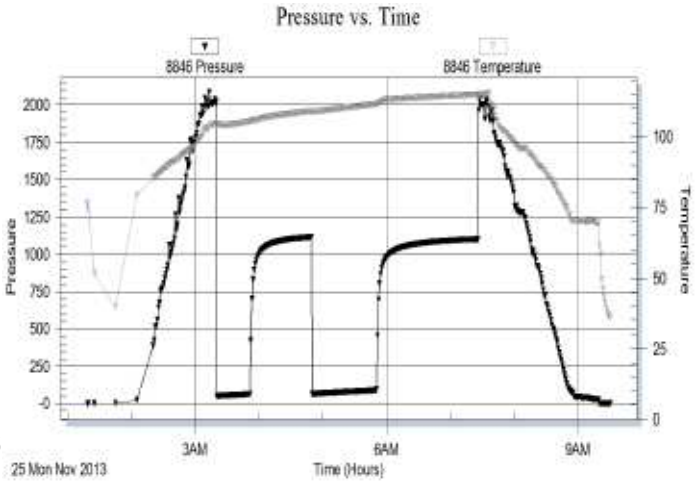


DST #3: 4,132' - 4,206' (LKC "G-I")
(Straddle test) 30" - 60" - 60" - 90"

IF: Weak blow, building to 3 inches
ISI: No blow back
FF: Weak blow, building to 5 inches
FSI: No blow back

RECOVERY: 90' Total Fluid, consisting of:
90' OSM (100% M)
Sampler: 3000 ml OSM

SIP: 1114-1100; FP: 49-63, 65-88; HP: 2021-2044; BHT: 116

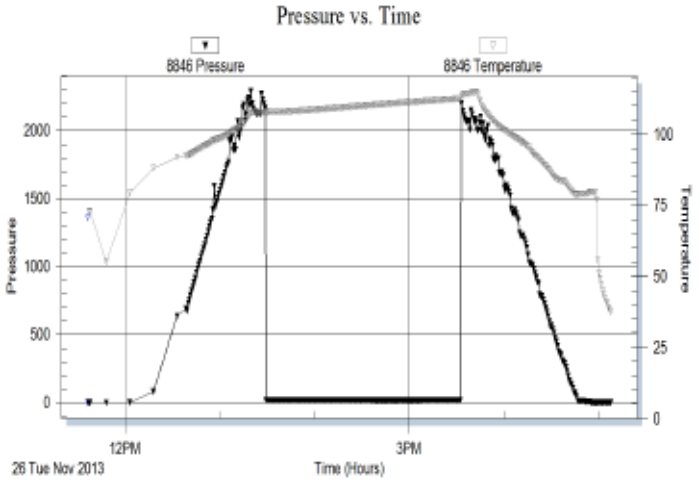


DST #4: 4,437' - 4,468' (Pawnee)
30" - 30" - 30" - 30"

IF: Surface blow, building to 1/4 inch
ISI: No blow back
FF: No blow
FSI: No blow back

RECOVERY: 5' Total Fluid, consisting of:
5' OSM (100% M)
Sampler: No recovery

SIP: 17-16; FP: 15-15, 15-14; HP: 2170-2199; BHT: 112

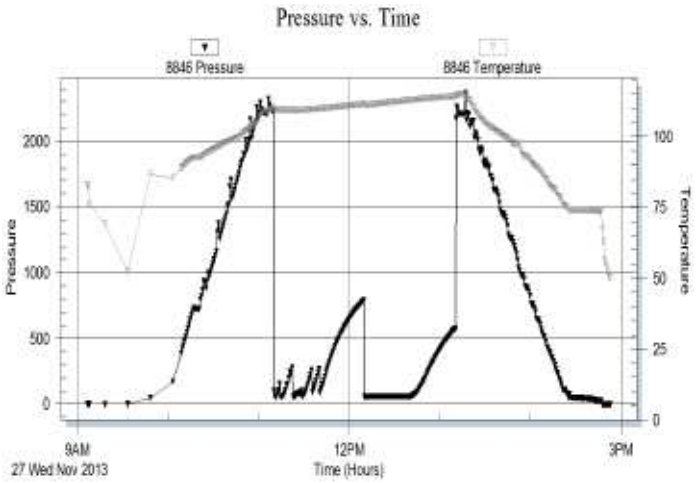


DST #5: 4,480' - 4,581' (Ft Scott - Johnson Zone)
30" - 30" - 30" - 30"

IF: Weak blow, building to 1 inch
ISI: No blow back
FF: Weak surface blow throughout
FSI: No blow back

RECOVERY: 62' Total Fluid, consisting of:
62' Mud (100% M)
Sampler: 3000 ml Mud

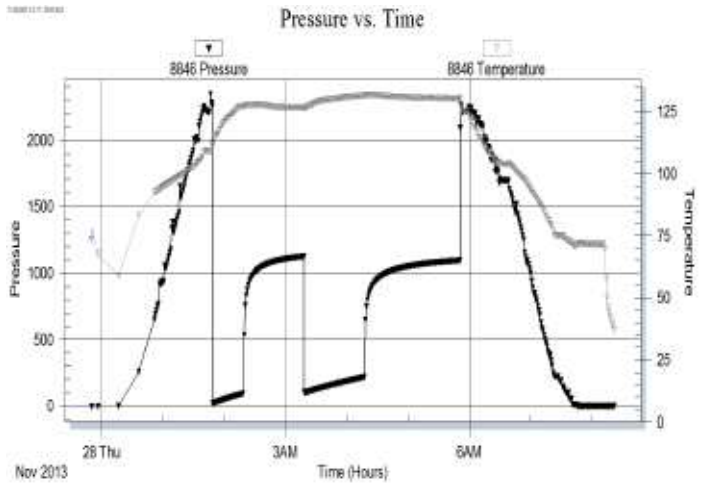
SIP: 790-578; FP: 52-86, 54-55; HP: 2229-2265; BHT: 114



DST #6: 4,582' - 4,614' (Basal Penn Sand)
30" - 60" - 60" - 90"

IF: Fair blow, building to 6 inches
ISI: No blow back
FF: Fair blow, building to 4 inches
FSI: No blow back

RECOVERY: 434' Total Fluid, consisting of:
124' WCM (30% W, 70% M) w/ scum of oil
124' MCW (80% W, 20% M)
186' Water (100% W); Chlorides: 25,000 ppm
Sampler: 3000 ml Water



SIP: 1126-1096; FP: 19-95, 100-220; HP: 2255-2259; BHT: 130

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Carb sh
- Dol
- Dtd
- Gry sh
- Sandylms
- Shale
- Sltstn
- Shlyslts
- Sltysh
- Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

OTHER SYMBOLS

POROSITY TYPE
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING
- Well
- Moderate
- Poor

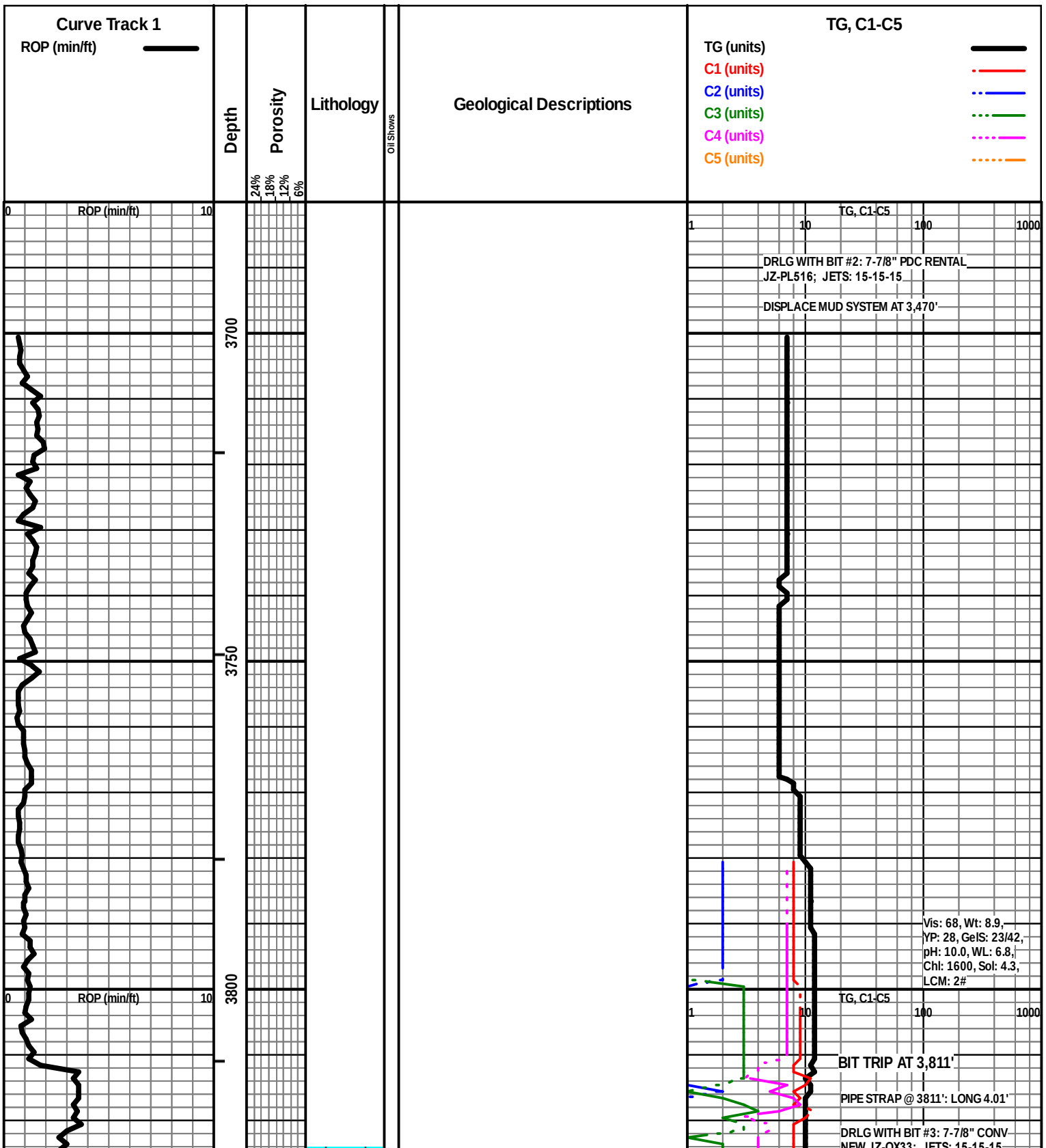
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

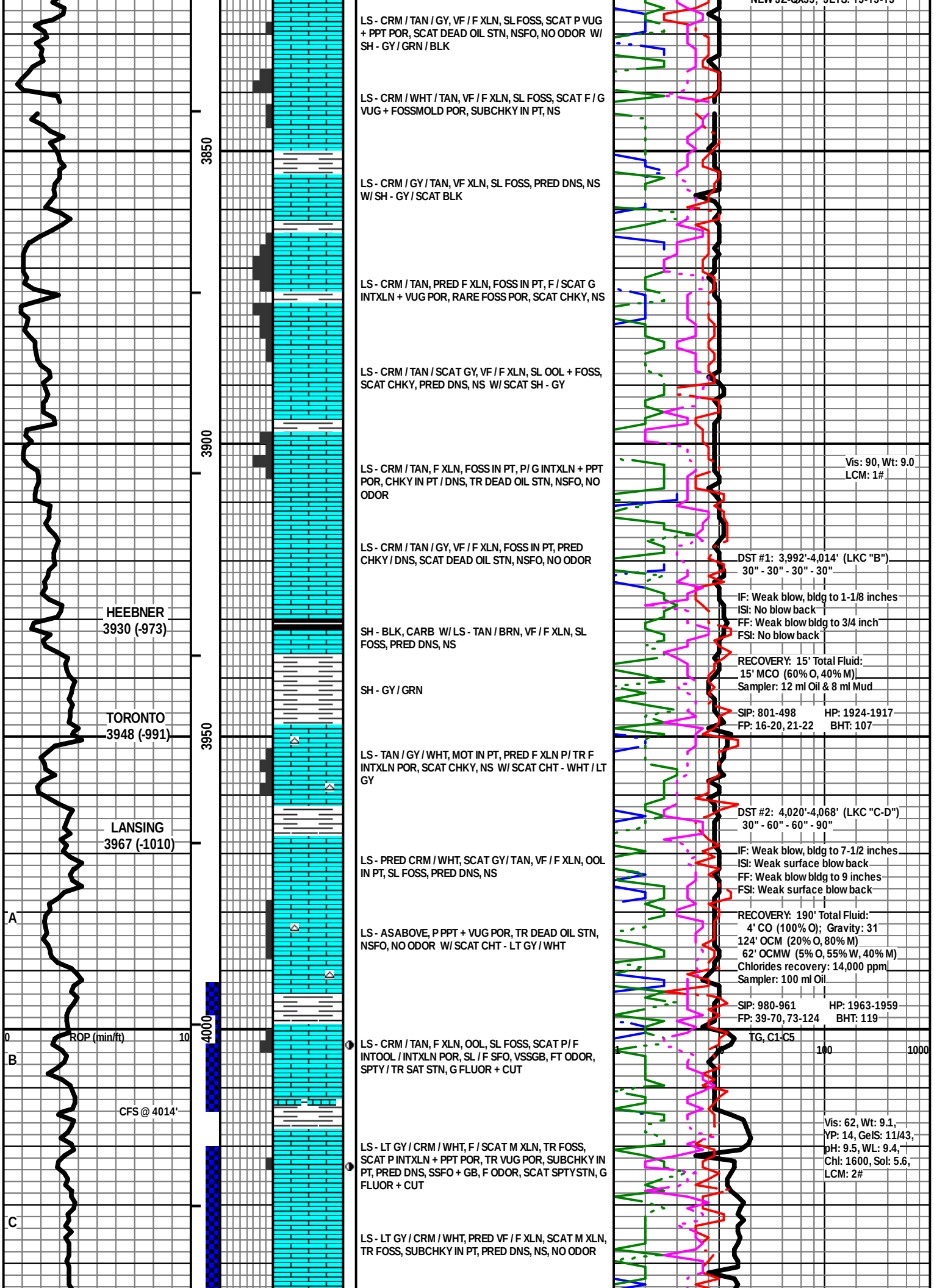
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

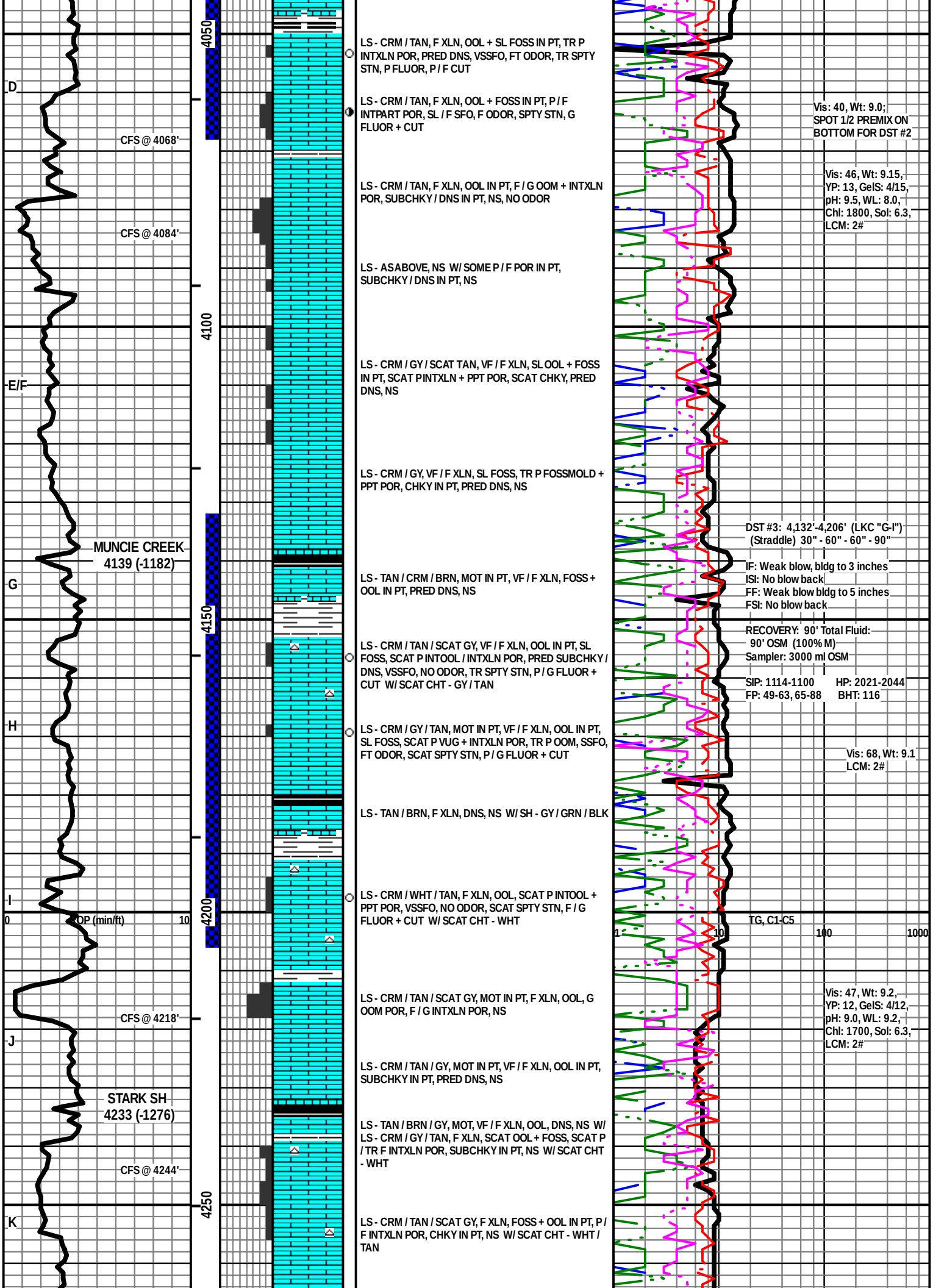
INTERVALS
- Core
- Dst

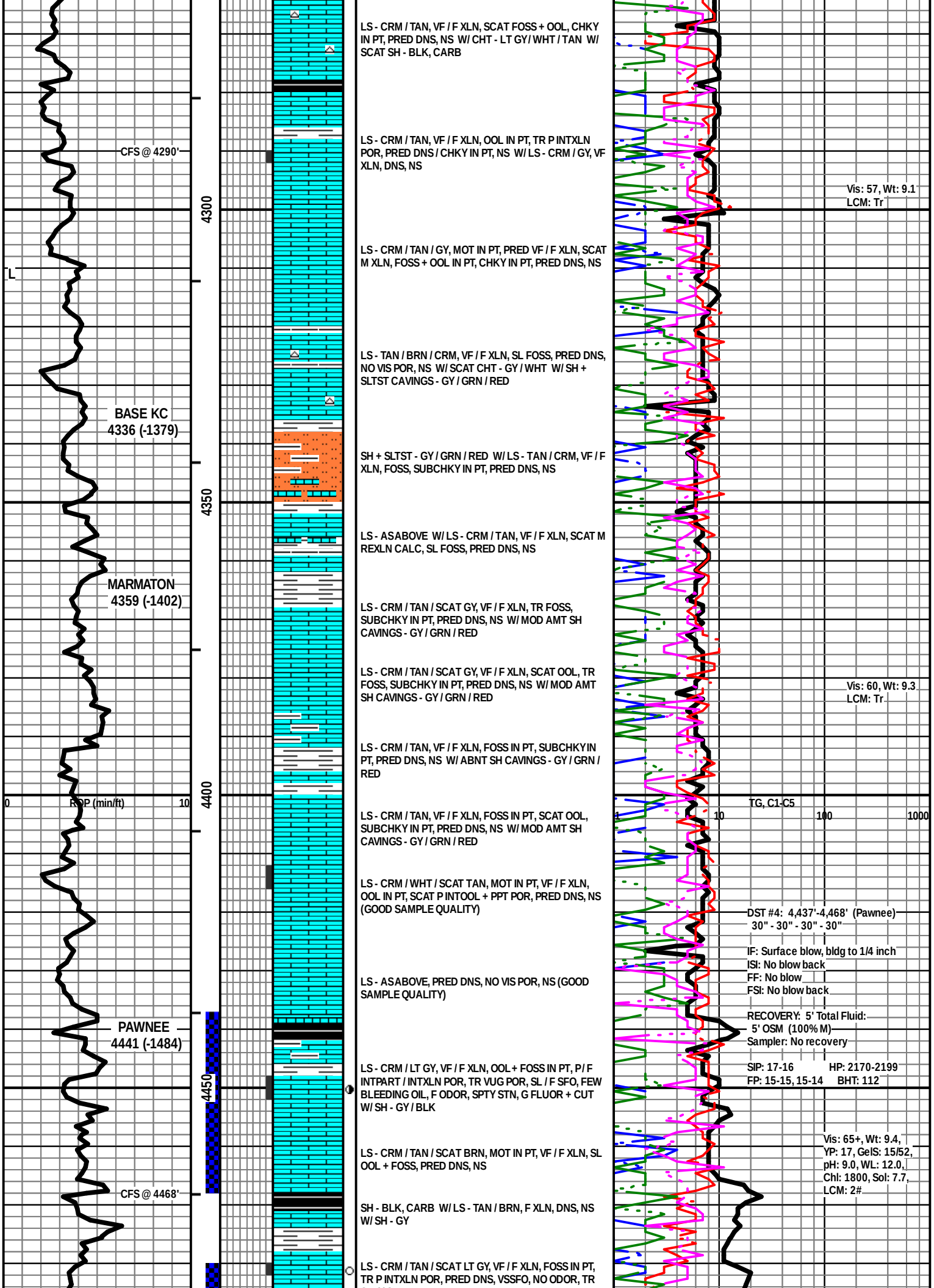
- Dst_1_t
- Dst_1_b
- Dst

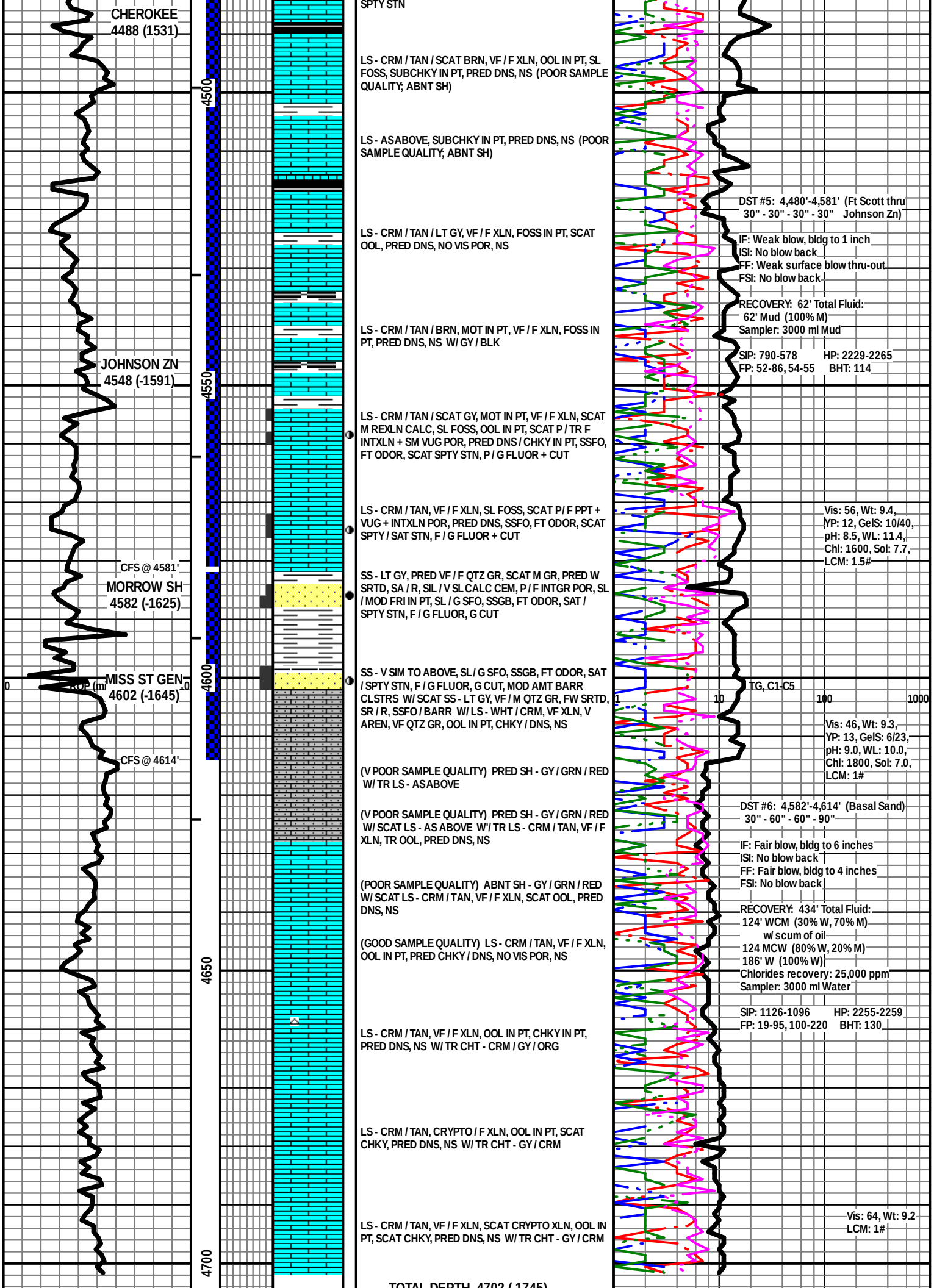
EVENTS
- Rft
- Sidewall
- Conn

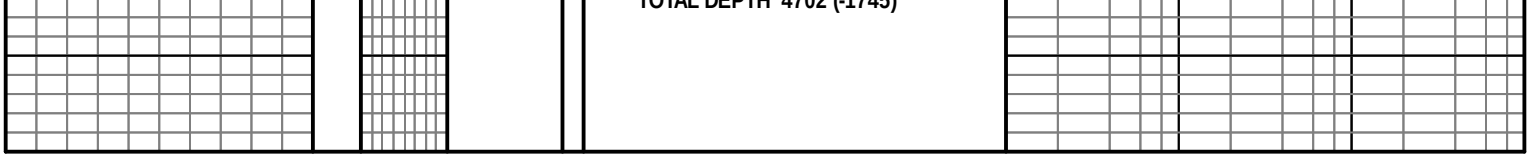



LS - CRM / TAN / GY, VF / F XLN, SL FOSS, SCAT P VUG + PPT POR, SCAT DEAD OIL STN, NSFO, NO ODOR W/ SH - GY / GRN / BLK
LS - CRM / WHT / TAN, VF / F XLN, SL FOSS, SCAT F / G VUG + FOSSMOLD POR, SUBCHKY IN PT, NS
LS - CRM / GY / TAN, VF XLN, SL FOSS, PRED DNS, NS W/ SH - GY / SCAT BLK
LS - CRM / TAN, PRED F XLN, FOSS IN PT, F / SCAT G INTXLN + VUG POR, RARE FOSS POR, SCAT CHKY, NS
LS - CRM / TAN / SCAT GY, VF / F XLN, SL OOL + FOSS, SCAT CHKY, PRED DNS, NS W/ SCAT SH - GY
LS - CRM / TAN, F XLN, FOSS IN PT, P/ G INTXLN + PPT POR, CHKY IN PT / DNS, TR DEAD OIL STN, NSFO, NO ODOR
LS - CRM / TAN / GY, VF / F XLN, FOSS IN PT, PRED CHKY / DNS, SCAT DEAD OIL STN, NSFO, NO ODOR
SH - BLK, CARB W/ LS - TAN / BRN, VF / F XLN, SL FOSS, PRED DNS, NS
SH - GY / GRN
LS - TAN / GY / WHT, MOT IN PT, PRED F XLN P/ TR F INTXLN POR, SCAT CHKY, NS W/ SCAT CHT - WHT / LT GY
LS - PRED CRM / WHT, SCAT GY / TAN, VF / F XLN, OOL IN PT, SL FOSS, PRED DNS, NS
LS - ASABOVE, P PPT + VUG POR, TR DEAD OIL STN, NSFO, NO ODOR W/ SCAT CHT - LT GY / WHT
LS - CRM / TAN, F XLN, OOL, SL FOSS, SCAT P/ F INTOOL / INTXLN POR, SL / F SFO, VSSGB, FT ODOR, SPTY / TR SAT STN, G FLUOR + CUT
LS - LT GY / CRM / WHT, F / SCAT M XLN, TR FOSS, SCAT P INTXLN + PPT POR, TR VUG POR, SUBCHKY IN PT, PRED DNS, SSFO + GB, F ODOR, SCAT SPTY STN, G FLUOR + CUT
LS - LT GY / CRM / WHT, PRED VF / F XLN, SCAT M XLN, TR FOSS, SUBCHKY IN PT, PRED DNS, NS, NO ODOR
3850
3900
3950
4000
HEEBNER
3930 (-973)
TORONTO
3948 (-991)
LANSING
3967 (-1010)
A
B
C
0
ROP (min/ft)
10
CFS @ 4014'
Vis: 90, Wt: 9.0
LCM: 1#
DST #1: 3,992'-4,014' (LKC "B")
30" - 30" - 30" - 30"
IF: Weak blow, bldg to 1-1/8 inches
ISI: No blow back
FF: Weak blow bldg to 3/4 inch
FSI: No blow back
RECOVERY: 15' Total Fluid:
15' MCO (60% O, 40% M)
Sampler: 12 ml Oil & 8 ml Mud
SIP: 801-498 HP: 1924-1917
FP: 16-20, 21-22 BHT: 107
DST #2: 4,020'-4,068' (LKC "C-D")
30" - 60" - 60" - 90"
IF: Weak blow, bldg to 7-1/2 inches
ISI: Weak surface blow back
FF: Weak blow bldg to 9 inches
FSI: Weak surface blow back
RECOVERY: 190' Total Fluid:
4' CO (100% O); Gravity: 31
124' OCM (20% O, 80% M)
62' OCMW (5% O, 55% W, 40% M)
Chlorides recovery: 14,000 ppm
Sampler: 100 ml Oil
SIP: 980-961 HP: 1963-1959
FP: 39-70, 73-124 BHT: 119
TG, C1-C5
1
10
100
1000
Vis: 62, Wt: 9.1,
YP: 14, GelS: 11/43,
pH: 9.5, WL: 9.4,
Chl: 1600, Sol: 5.6,
LCM: 2#


4050
4100
4150
4200
4250
D
E/F
G
H
I
J
K
CFS @ 4068'
CFS @ 4084'
CFS @ 4218'
CFS @ 4244'
MUNCIE CREEK
4139 (-1182)
STARK SH
4233 (-1276)
LS - CRM / TAN, F XLN, OOL + SL FOSS IN PT, TR P INTXLN POR, PRED DNS, VSSFO, FT ODOR, TR SPTY STN, P FLUOR, P / F CUT
LS - CRM / TAN, F XLN, OOL + FOSS IN PT, P / F INTPART POR, SL / F SFO, F ODOR, SPTY STN, G FLUOR + CUT
LS - CRM / TAN, F XLN, OOL IN PT, F / G OOM + INTXLN POR, SUBCHKY / DNS IN PT, NS, NO ODOR
LS - ASABOVE, NS W/ SOME P / F POR IN PT, SUBCHKY / DNS IN PT, NS
LS - CRM / GY / SCAT TAN, VF / F XLN, SL OOL + FOSS IN PT, SCAT PINTXLN + PPT POR, SCAT CHKY, PRED DNS, NS
LS - CRM / GY, VF / F XLN, SL FOSS, TR P FOSSMOLD + PPT POR, CHKY IN PT, PRED DNS, NS
LS - TAN / CRM / BRN, MOT IN PT, VF / F XLN, FOSS + OOL IN PT, PRED DNS, NS
LS - CRM / TAN / SCAT GY, VF / F XLN, OOL IN PT, SL FOSS, SCAT P INTOOL / INTXLN POR, PRED SUBCHKY / DNS, VSSFO, NO ODOR, TR SPTY STN, P / G FLUOR + CUT W/ SCAT CHT - GY / TAN
LS - CRM / GY / TAN, MOT IN PT, VF / F XLN, OOL IN PT, SL FOSS, SCAT P VUG + INTXLN POR, TR P OOM, SSFO, FT ODOR, SCAT SPTY STN, P / G FLUOR + CUT
LS - TAN / BRN, F XLN, DNS, NS W/ SH - GY / GRN / BLK
LS - CRM / WHT / TAN, F XLN, OOL, SCAT P INTOOL + PPT POR, VSSFO, NO ODOR, SCAT SPTY STN, F / G FLUOR + CUT W/ SCAT CHT - WHT
LS - CRM / TAN / SCAT GY, MOT IN PT, F XLN, OOL, G OOM POR, F / G INTXLN POR, NS
LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS
LS - TAN / BRN / GY, MOT, VF / F XLN, OOL, DNS, NS W/ LS - CRM / GY / TAN, F XLN, SCAT OOL + FOSS, SCAT P / TR F INTXLN POR, SUBCHKY IN PT, NS W/ SCAT CHT - WHT
LS - CRM / TAN / SCAT GY, F XLN, FOSS + OOL IN PT, P / F INTXLN POR, CHKY IN PT, NS W/ SCAT CHT - WHT / TAN
Vis: 40, Wt: 9.0; SPOT 1/2 PREMIX ON BOTTOM FOR DST #2
Vis: 46, Wt: 9.15, YP: 13, GelS: 4/15, pH: 9.5, WL: 8.0, Chl: 1800, Sol: 6.3, LCM: 2#
DST #3: 4,132'-4,206' (LKC "G-I") (Straddle) 30" - 60" - 60" - 90"
IF: Weak blow, bldg to 3 inches
ISI: No blow back
FF: Weak blow bldg to 5 inches
FSI: No blow back
RECOVERY: 90' Total Fluid: 90' OSM (100% M)
Sampler: 3000 ml OSM
SIP: 1114-1100 HP: 2021-2044
FP: 49-63, 65-88 BHT: 116
Vis: 68, Wt: 9.1 LCM: 2#
Vis: 47, Wt: 9.2, YP: 12, GelS: 4/12, pH: 9.0, WL: 9.2, Chl: 1700, Sol: 6.3, LCM: 2#
0
ROP (min/ft)
10
TG, C1-C5
1
10
100
1000


LS - CRM / TAN, VF / F XLN, SCAT FOSS + OOL, CHKY IN PT, PRED DNS, NS W/ CHT - LT GY / WHT / TAN W/ SCAT SH - BLK, CARB
LS - CRM / TAN, VF / F XLN, OOL IN PT, TR P INTXLN POR, PRED DNS / CHKY IN PT, NS W/ LS - CRM / GY, VF XLN, DNS, NS
CFS @ 4290'
4300
Vis: 57, Wt: 9.1
LCM: Tr
LS - CRM / TAN / GY, MOT IN PT, PRED VF / F XLN, SCAT M XLN, FOSS + OOL IN PT, CHKY IN PT, PRED DNS, NS
L
LS - TAN / BRN / CRM, VF / F XLN, SL FOSS, PRED DNS, NO VIS POR, NS W/ SCAT CHT - GY / WHT W/ SH + SLTST CAVINGS - GY / GRN / RED
BASE KC
4336 (-1379)
SH + SLTST - GY / GRN / RED W/ LS - TAN / CRM, VF / F XLN, FOSS, SUBCHKY IN PT, PRED DNS, NS
4350
LS - ASABOVE W/ LS - CRM / TAN, VF / F XLN, SCAT M REXLN CALC, SL FOSS, PRED DNS, NS
MARMATON
4359 (-1402)
LS - CRM / TAN / SCAT GY, VF / F XLN, TR FOSS, SUBCHKY IN PT, PRED DNS, NS W/ MOD AMT SH CAVINGS - GY / GRN / RED
LS - CRM / TAN / SCAT GY, VF / F XLN, SCAT OOL, TR FOSS, SUBCHKY IN PT, PRED DNS, NS W/ MOD AMT SH CAVINGS - GY / GRN / RED
Vis: 60, Wt: 9.3
LCM: Tr
LS - CRM / TAN, VF / F XLN, FOSS IN PT, SUBCHKY IN PT, PRED DNS, NS W/ ABNT SH CAVINGS - GY / GRN / RED
0
ROP (min/ft)
10
4400
TG, C1-C5
1
10
100
1000
LS - CRM / TAN, VF / F XLN, FOSS IN PT, SCAT OOL, SUBCHKY IN PT, PRED DNS, NS W/ MOD AMT SH CAVINGS - GY / GRN / RED
LS - CRM / WHT / SCAT TAN, MOT IN PT, VF / F XLN, OOL IN PT, SCAT P INTOOL + PPT POR, PRED DNS, NS (GOOD SAMPLE QUALITY)
DST #4: 4,437'-4,468' (Pawnee)
30" - 30" - 30" - 30"
IF: Surface blow, bldg to 1/4 inch
ISI: No blow back
FF: No blow
FSI: No blow back
RECOVERY: 5' Total Fluid:
5' OSM (100% M)
Sampler: No recovery
SIP: 17-16 HP: 2170-2199
FP: 15-15, 15-14 BHT: 112
LS - ASABOVE, PRED DNS, NO VIS POR, NS (GOOD SAMPLE QUALITY)
PAWNEE
4441 (-1484)
LS - CRM / LT GY, VF / F XLN, OOL + FOSS IN PT, P / F INTPART / INTXLN POR, TR VUG POR, SL / F SFO, FEW BLEEDING OIL, F ODOR, SPTY STN, G FLUOR + CUT W/ SH - GY / BLK
4450
Vis: 65+, Wt: 9.4,
YP: 17, GelS: 15/52,
pH: 9.0, WL: 12.0,
Chl: 1800, Sol: 7.7,
LCM: 2#
LS - CRM / TAN / SCAT BRN, MOT IN PT, VF / F XLN, SL OOL + FOSS, PRED DNS, NS
CFS @ 4468'
SH - BLK, CARB W/ LS - TAN / BRN, F XLN, DNS, NS W/ SH - GY
LS - CRM / TAN / SCAT LT GY, VF / F XLN, FOSS IN PT, TR P INTXLN POR, PRED DNS, VSSFO, NO ODOR, TR


CHEROKEE
4488 (1531)
JOHNSON ZN
4548 (-1591)
CFS @ 4581'
MORROW SH
4582 (-1625)
MISS ST GEN
4602 (-1645)
CFS @ 4614'
4500
4550
4600
4650
4700
SPTY STN
LS - CRM / TAN / SCAT BRN, VF / F XLN, OOL IN PT, SL FOSS, SUBCHKY IN PT, PRED DNS, NS (POOR SAMPLE QUALITY; ABNT SH)
LS - AS ABOVE, SUBCHKY IN PT, PRED DNS, NS (POOR SAMPLE QUALITY; ABNT SH)
LS - CRM / TAN / LT GY, VF / F XLN, FOSS IN PT, SCAT OOL, PRED DNS, NO VIS POR, NS
LS - CRM / TAN / BRN, MOT IN PT, VF / F XLN, FOSS IN PT, PRED DNS, NS W/ GY / BLK
LS - CRM / TAN / SCAT GY, MOT IN PT, VF / F XLN, SCAT M REXLN CALC, SL FOSS, OOL IN PT, SCAT P / TR F INTXLN + SM VUG POR, PRED DNS / CHKY IN PT, SSFO, FT ODOR, SCAT SPTY STN, P / G FLUOR + CUT
LS - CRM / TAN, VF / F XLN, SL FOSS, SCAT P/ F PPT + VUG + INTXLN POR, PRED DNS, SSFO, FT ODOR, SCAT SPTY / SAT STN, F / G FLUOR + CUT
SS - LT GY, PRED VF / F QTZ GR, SCAT M GR, PRED W SRTD, SA / R, SIL / V SL CALC CEM, P / F INTGR POR, SL / MOD FRI IN PT, SL / G SFO, SSGB, FT ODOR, SAT / SPTY STN, F / G FLUOR, G CUT
SS - V SIM TO ABOVE, SL / G SFO, SSGB, FT ODOR, SAT / SPTY STN, F / G FLUOR, G CUT, MOD AMT BARR CLSTRS W/ SCAT SS - LT GY, VF / M QTZ GR, FW SRTD, SR / R, SSFO / BARR W/ LS - WHT / CRM, VF XLN, V AREN, VF QTZ GR, OOL IN PT, CHKY / DNS, NS
(V POOR SAMPLE QUALITY) PRED SH - GY / GRN / RED W/ TR LS - AS ABOVE
(V POOR SAMPLE QUALITY) PRED SH - GY / GRN / RED W/ SCAT LS - AS ABOVE W'/ TR LS - CRM / TAN, VF / F XLN, TR OOL, PRED DNS, NS
(POOR SAMPLE QUALITY) ABNT SH - GY / GRN / RED W/ SCAT LS - CRM / TAN, VF / F XLN, SCAT OOL, PRED DNS, NS
(GOOD SAMPLE QUALITY) LS - CRM / TAN, VF / F XLN, OOL IN PT, PRED CHKY / DNS, NO VIS POR, NS
LS - CRM / TAN, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS W/ TR CHT - CRM / GY / ORG
LS - CRM / TAN, CRYPTO / F XLN, OOL IN PT, SCAT CHKY, PRED DNS, NS W/ TR CHT - GY / CRM
LS - CRM / TAN, VF / F XLN, SCAT CRYPTO XLN, OOL IN PT, SCAT CHKY, PRED DNS, NS W/ TR CHT - GY / CRM
TOTAL DEPTH 4702 (1745)
0
ROP (mi
.0
1
10
100
1000
TG, C1-C5
DST #5: 4,480'-4,581' (Ft Scott thru Johnson Zn)
30" - 30" - 30" - 30"
IF: Weak blow, bldg to 1 inch
ISI: No blow back
FF: Weak surface blow thru-out
FSI: No blow back
RECOVERY: 62' Total Fluid:
62' Mud (100% M)
Sampler: 3000 ml Mud
SIP: 790-578 HP: 2229-2265
FP: 52-86, 54-55 BHT: 114
Vis: 56, Wt: 9.4,
YP: 12, GelS: 10/40,
pH: 8.5, WL: 11.4,
Chl: 1600, Sol: 7.7,
LCM: 1.5#
Vis: 46, Wt: 9.3,
YP: 13, GelS: 6/23,
pH: 9.0, WL: 10.0,
Chl: 1800, Sol: 7.0,
LCM: 1#
DST #6: 4,582'-4,614' (Basal Sand)
30" - 60" - 60" - 90"
IF: Fair blow, bldg to 6 inches
ISI: No blow back
FF: Fair blow, bldg to 4 inches
FSI: No blow back
RECOVERY: 434' Total Fluid:
124' WCM (30% W, 70% M)
w/ scum of oil
124 MCW (80% W, 20% M)
186' W (100% W)
Chlorides recovery: 25,000 ppm
Sampler: 3000 ml Water
SIP: 1126-1096 HP: 2255-2259
FP: 19-95, 100-220 BHT: 130
Vis: 64, Wt: 9.2
LCM: 1#


TOTAL DEPTH 4702 (-1745)

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 04976 A

DATE TICKET NO.

DATE OF JOB 11-19-13 DISTRICT 1717	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Stelbar	LEASE Rodenberg #1-19 WELL NO.
ADDRESS	COUNTY Scott STATE KS
CITY STATE	SERVICE CREW E Mendoza, S Chavez
AUTHORIZED BY J Bennett	JOB TYPE: 242 8⅝ Surface

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
34726	8				
374662	8				
14354	8				
19578	8				

	DATE	TIME
TRUCK CALLED	11-19-13	AM 12:00
ARRIVED AT JOB		AM 1:00
START OPERATION		PM 5:00
FINISH OPERATION		PM 6:00
RELEASED		AM 7:00
MILES FROM STATION TO WELL		100 mi

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Mike Kerr
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CL110	Premium Plus	✓ SK	760		4238 00
CC109	Calcium Chloride	✓ LB	490		514 50
CC102	Cellflake	✓ LB	66		244 20
E101	Heavy Equipment Mileage	mi	200		1400 00
CE240	Blending & Mixing Service	SK	760		364 00
E113	Proppant & Bulk Delivery	ton/mi	1225		1960 00
CE200	Pump Depth: 0-500'	4HR	1		1000 00
E100	Unit Mileage	mi	100		425 00
S003	Service Supervisor	each	1		175 00

SUB TOTAL $ 6708.50

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE Neal Dunn

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Mike Kerr
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: Stelbar	Lease No.	Date: 11-19-13	
Lease: Rodenberg	Well #: 1-19	Service Receipt	
Casing: 8 5/8" 24# Depth: 312'	County: Scott	State: KS	
Job Type: 742-8 5/8 Surface	Formation	Legal Description: 19-16-31	

Pipe Data		Perforating Data		Cement Data
Casing size: 8 5/8" 24#	Tubing Size	Shots/Ft		Lead
Depth: 312'	Depth	From	To	
Volume: Disp - 17 bbl	Volume	From	To	
Max Press: 1500#	Max Press	From	To	Tail in: 260 sk Premium Plus w/ 2% CC, ¼# PF
Well Connection: TD - 300'	Annulus Vol.	From	To	
Plug Depth: SJ - 43'	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate	Service Log
1:00					On loc - site assessment
1:15					Spot trucks - rig up
3:00					start csg
4:00					csg on btm break circ
4:30					safety meeting - JSA
5:00					pressure test 2000#
5:00	200		62	4	mix & pump 260 sk premium plus w/ 2% CC, ¼# PF @ 14.8 #-1.34 yield
5:20	100		0	3	disp csg
6:00	300		17	0	shut in - circ cmt surface
					job complete

Service Units	34726	27462	14354-19678			
Driver Names	A Owen	B Rhodes	S Owen			

M Kerr
Customer Representative

T Bennett
Station Manager

A Owen
Cementer

Taylor Printing, Inc.

TRUCK NO.
15M.
1 HR.
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
OPERATOR
45M.
30M.
DATE
15M.
1 HR.
0
TICKET NUMBER
45M.
30M.
COMPANY
15M.
1 HR.
0
FIELD
45M.
30M.
KIND OF JOB
15M.
1 HR.
0
WELL NO.
45M.
30M.
LEASE
V36A
200 LB. SUBDIVISIONS
PIS
(TO FIT)

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 04982 A

DATE TICKET NO.

DATE OF JOB 11-29-13 DISTRICT 1717	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER Stelbar	LEASE Rodenberg #1-19 WELL NO.
ADDRESS	COUNTY Scott STATE KS
CITY STATE	SERVICE CREW E Mendoza, C Garcia
AUTHORIZED BY J Bennett	JOB TYPE: E42 2TA

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
34726	8				
27462	8				
30463	8				
19566	8				

	DATE	TIME
TRUCK CALLED	11-29-13	AM PM 8:00
ARRIVED AT JOB		AM PM 12:00
START OPERATION		AM PM 1:00
FINISH OPERATION		AM PM 5:00
RELEASED		AM PM 6:00
MILES FROM STATION TO WELL		100 one way

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CL103	Class C 40/40 Poz	sk	280		3360 00
CC200	Cement Gel	lb	483		120 50
CC102	Cello-Flake	lb	71		262 90
E101	Heavy Equipment Mileage	mi	200		1400 00
CE240	Blending & Mixing Service	sk	280		392 00
E113	Proppant & Bulk Delivery	tm/mi	1205		1928 00
CE203	Pump Depth: 2001-3000'	4hr	1		1800 00
E100	Unit Mileage	mi	100		425 00
S003	Service Supervisor	ea	1		175 00

SUB TOTAL $6706.98

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: Stelbar	Lease No.	Date: 11-29-13	
Lease: Rodenberg	Well #: 1-19	Service Receipt: 04982	
Casing: 4½"	Depth:	County: Scott	State: KS
Job Type: 2¼ PTA	Formation:	Legal Description: 19-16-31	

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead
Depth	Depth	From	To	
Volume	Volume	From	To	
Max Press	Max Press	From	To	Tail in 780 sk 60/40 Poz
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate	Service Log
12:00					on loc - Site assesment
12:05					spot trucks - rig up
12:15					safety meeting & JSA
1:00					circ @ 2350'
1:15	100		13	3	mix & pump 80 sk 60/40 poz @ 13.8 ppg - 1.61 cf/sk
1:20	100		30	3	disp balanced plug circ @ 1380'
1:45					
1:50	100		21	3	mix & pump 80 sk
1:55	100		16	3	disp balanced plug circ @ 700'
2:15					
2:20	100		13	3	mix pump 50 sk
2:25	100		7	3	disp balanced plug circ @ 330'
2:46					
2:50	100		13	3	mix & pump 50 sk
2:55	100		2	3	disp balanced plug circ @ 60'
3:30					
3:35	100		5	3	mix & pump 20 sk circ cmt surface
4:00					
4:15			7	3	plug rat hole w/ 30 sk
					job complete

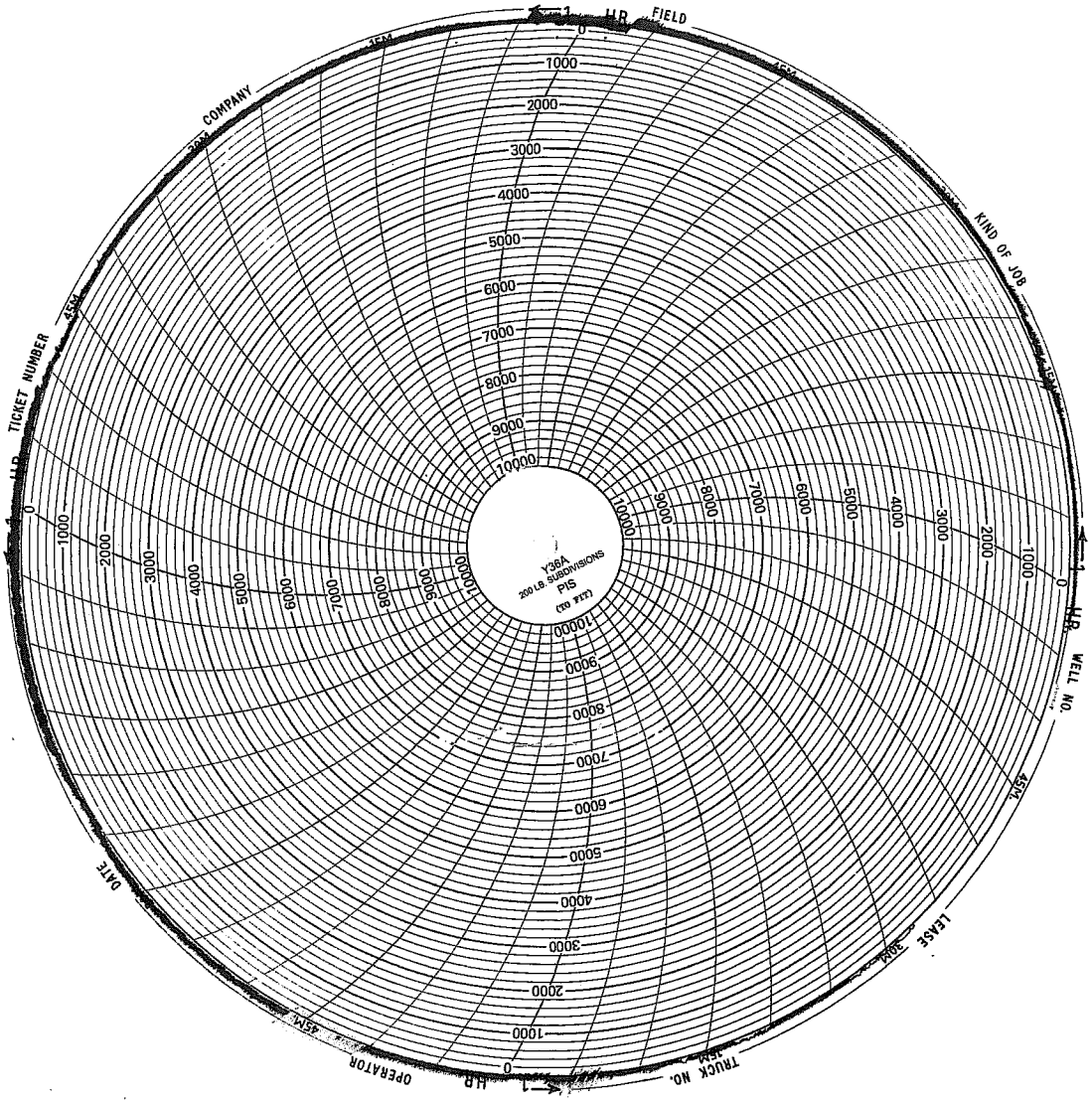
Service Units	34776	27462	30463	19850		
Driver Names	A Owen	E Meadors	C Gaddy			

M Kerr
Customer Representative

Station Manager

A Owen
Cementer

Taylor Printing, Inc.


HR
FIELD
KIND OF JOB
WELL NO.
LEASE
TRUCK NO.
OPERATOR
DATE
TICKET NUMBER
COMPANY
Y36A
200 LB SUBDIVISIONS
PSI
(10 PSI)