



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1165639
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1165639

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	FREESE 1-10
Doc ID	1165639

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	FREESE 1-10
Doc ID	1165639

Tops

Name	Top	Datum
B/Anhydrite	2351'	+649'
Heebner Sh	3901'	-901'
Lansing	3944'	-944'
Muncie Crk Sh	4130'	-1130'
Stark Sh	4229'	-1229'
B/KC	4339'	-1339'
Marmaton	4365'	-1365'
Johnson Zone	4557'	-1557'
Morrow Shale	4631'	-1631'
Mississippian	4675'	-1675'



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp. Inc**

1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206

ATTN: Dave Goldak

Freese #1-10

10-17s-33w Scott,KS

Start Date: 2013.10.21 @ 03:40:00

End Date: 2013.10.21 @ 12:30:40

Job Ticket #: 49065 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.25 @ 14:34:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp. Inc
 1625 N. Waterfront PKWY
 Suite 200
 Wichita KS. 67206
 ATTN: Dave Goldak

10-17s-33w Scott,KS
Freeze #1-10
 Job Ticket: 49065 **DST#: 1**
 Test Start: 2013.10.21 @ 03:40:00

GENERAL INFORMATION:

Formation: **Marmanton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:54:40
 Time Test Ended: 12:30:40
 Interval: **4382.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: 4400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 58
 Reference Elevations: 3000.00 ft (KB)
 2993.00 ft (CF)
 KB to GR/CF: 7.00 ft

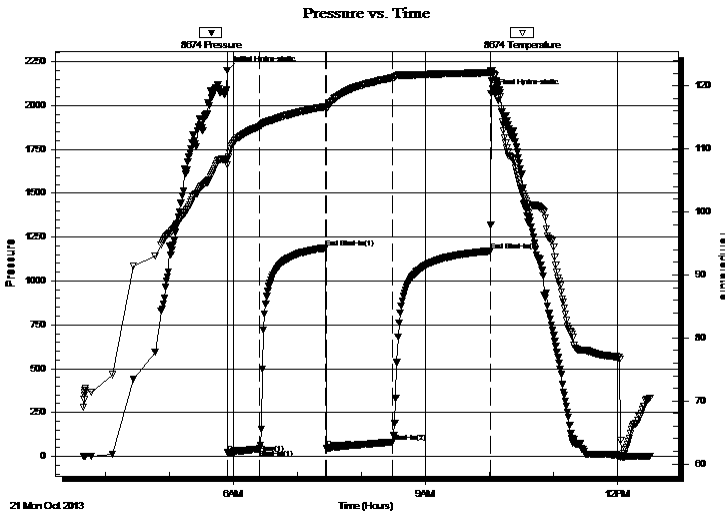
Serial #: 8674

Inside

Press @ Run Depth: 82.17 psig @ 4385.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.21 End Date: 2013.10.21 Last Calib.: 2013.10.21
 Start Time: 03:40:00 End Time: 12:30:40 Time On Btm: 2013.10.21 @ 05:54:25
 Time Off Btm: 2013.10.21 @ 10:01:54

TEST COMMENT: IF- Weak Surface Blow Built to 4 1/2"
 IS- No Blow
 FF- Weak Surface Blow Built to 7"
 FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2199.70	108.37	Initial Hydro-static
1	20.19	107.53	Open To Flow (1)
31	42.78	113.57	Shut-In(1)
93	1188.21	116.70	End Shut-In(1)
93	46.89	116.29	Open To Flow (2)
156	82.17	121.29	Shut-In(2)
247	1171.00	122.08	End Shut-In(2)
248	2068.59	122.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 34%m 66%w with Oil Spots	0.87
62.00	MCW 14%m 86%w with Skim of Oil on	0.87
15.00	OMCW 2%oil 20%m 78%w	0.21
10.00	MCO 3%m 97%oil	0.14

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp. Inc
1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206
ATTN: Dave Goldak

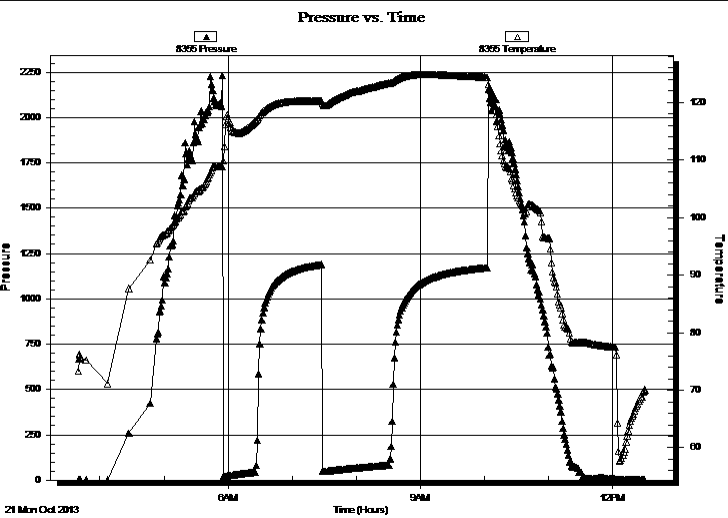
10-17s-33w Scott,KS
Freeze #1-10
Job Ticket: 49065 **DST#: 1**
Test Start: 2013.10.21 @ 03:40:00

GENERAL INFORMATION:

Formation: Marmanton	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 05:54:40	Tester: Will MacLean
Time Test Ended: 12:30:40	Unit No: 58
Interval: 4382.00 ft (KB) To 4400.00 ft (KB) (TVD)	Reference Elevations: 3000.00 ft (KB)
Total Depth: 4400.00 ft (KB) (TVD)	2993.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 7.00 ft

Serial #: 8355	Outside		
Press @ RunDepth: psig @ 4385.00 ft (KB)		Capacity: 8000.00 psig	
Start Date: 2013.10.21	End Date: 2013.10.21	Last Calib.: 2013.10.21	
Start Time: 03:40:05	End Time: 12:30:22	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: IF- Weak Surface Blow Built to 4 1/2"
 IS- No Blow
 FF- Weak Surface Blow Built to 7"
 FS- No Blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	MCW 34%m 66%w with Oil Spots	0.87
62.00	MCW 14%m 86%w with Skim of Oil on	0.87
15.00	OMCW 2%oil 20%m 78%w	0.21
10.00	MCO 3%m 97%oil	0.14

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp. Inc
1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206
ATTN: Dave Goldak

10-17s-33w Scott,KS
Freeze #1-10
Job Ticket: 49065 **DST#: 1**
Test Start: 2013.10.21 @ 03:40:00

Tool Information

Drill Pipe:	Length: 4373.00 ft	Diameter: 3.80 inches	Volume: 61.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 14000.00 lb
			<u>Total Volume: 61.34 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4382.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4354.00	
Shut In Tool	5.00			4359.00	
Sampler	2.00			4361.00	
Hydraulic tool	5.00			4366.00	
Jars	5.00			4371.00	
Safety Joint	2.00			4373.00	
Packer	5.00			4378.00	29.00 Bottom Of Top Packer
Packer	4.00			4382.00	
Stubb	1.00			4383.00	
Perforations	2.00			4385.00	
Recorder	0.00	8355	Outside	4385.00	
Recorder	0.00	8674	Inside	4385.00	
Perforations	10.00			4395.00	
Bullnose	5.00			4400.00	18.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp. Inc

10-17s-33w Scott,KS

1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206
ATTN: Dave Goldak

Freeze #1-10

Job Ticket: 49065

DST#: 1

Test Start: 2013.10.21 @ 03:40:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 10.74 in³
Resistivity: ohm.m
Salinity: 7000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: 36000 ppm

Recovery Information

Recovery Table

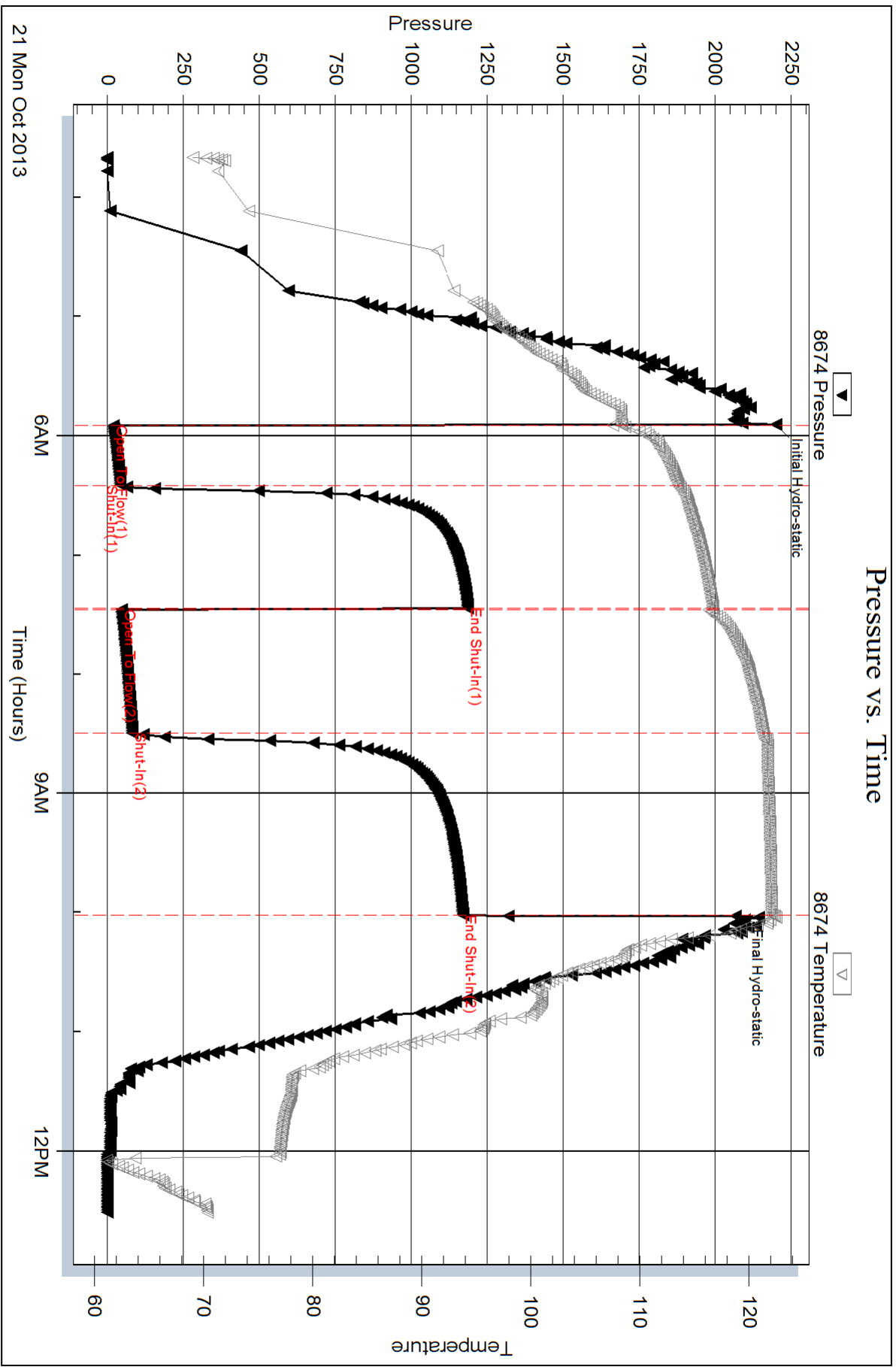
Length ft	Description	Volume bbl
62.00	MCW 34%m 66%w with Oil Spots	0.870
62.00	MCW 14%m 86%w with Skim of Oil on Top	0.870
15.00	OMCW 2%oil 20%m 78%w	0.210
10.00	MCO 3%m 97%oil	0.140

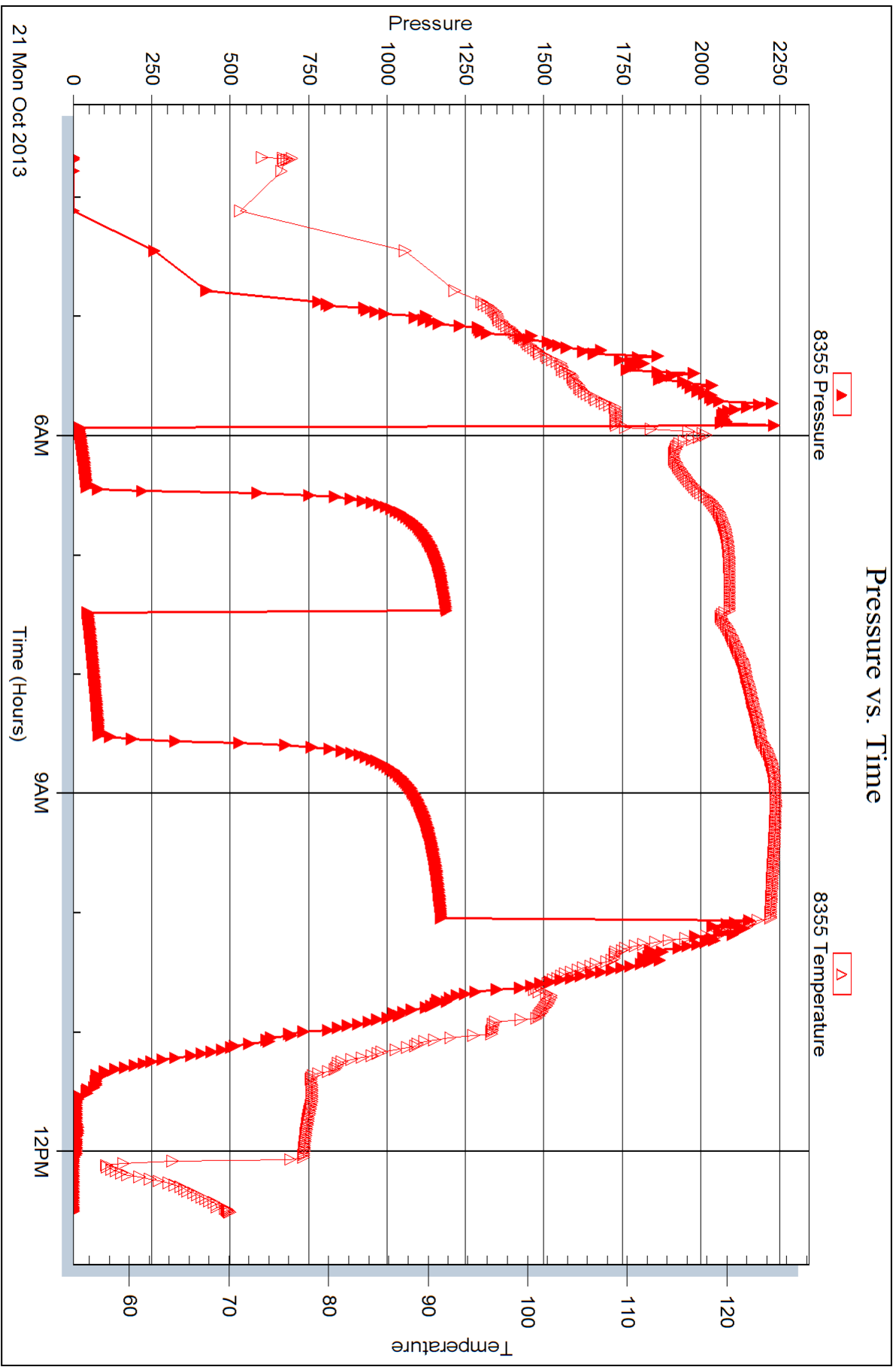
Total Length: 149.00 ft Total Volume: 2.090 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API is 35 @ 70f = 34
RW is .221 @ 60f = 36000







DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp. Inc**

1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206

ATTN: Dave Goldak

Freese #1-10

10-17s-33w Scott,KS

Start Date: 2013.10.22 @ 15:00:00

End Date: 2013.10.22 @ 23:29:24

Job Ticket #: 49066 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.25 @ 14:33:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp. Inc
 1625 N. Waterfront PKWY
 Suite 200
 Wichita KS. 67206
 ATTN: Dave Goldak

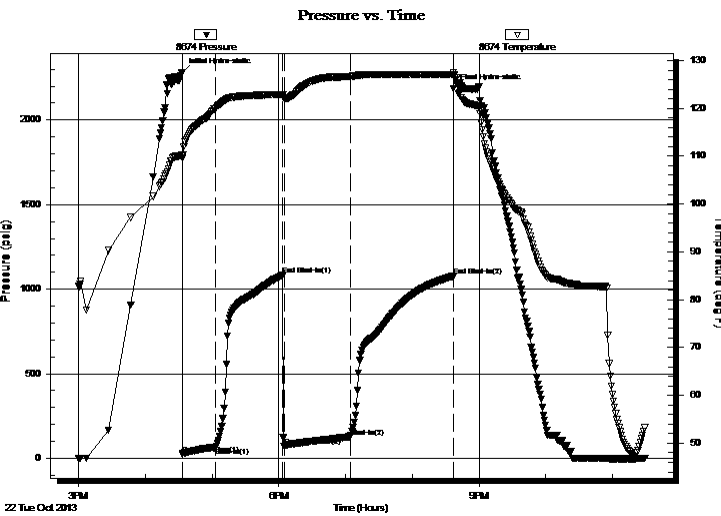
10-17s-33w Scott,KS
Freeze #1-10
 Job Ticket: 49066 **DST#: 2**
 Test Start: 2013.10.22 @ 15:00:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:33:10 Tester: Will MacLean
 Time Test Ended: 23:29:24 Unit No: 58
 Interval: **4600.00 ft (KB) To 4629.00 ft (KB) (TVD)** Reference Elevations: 3000.00 ft (KB)
 Total Depth: 4629.00 ft (KB) (TVD) 2993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8674 Inside
 Press @ Run Depth: 126.96 psig @ 4601.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.22 End Date: 2013.10.22 Last Calib.: 2013.10.22
 Start Time: 15:00:00 End Time: 23:29:24 Time On Btm: 2013.10.22 @ 16:32:55
 Time Off Btm: 2013.10.22 @ 20:36:39

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 7 min
 IS- Weak Surface Blow in 4 1/4 min Built to 5"
 FF- Surface Blow Built to BOB in 1 3/4 min
 FS- Weak Surface Blow Built to BOB in 19 1/4 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.47	110.37	Initial Hydro-static
1	25.60	109.54	Open To Flow (1)
31	65.82	119.99	Shut-In(1)
91	1083.54	122.88	End Shut-In(1)
92	72.94	122.09	Open To Flow (2)
152	126.96	126.66	Shut-In(2)
244	1076.02	127.00	End Shut-In(2)
244	2183.99	127.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OGCM 25%oil 27%g 48%m	0.87
62.00	OGCM 18%oil 24%g 58%m	0.87
62.00	GOCM 26%g 27%oil 47%m	0.87
62.00	OGCM 27%oil 34%g 39%m	0.87
40.00	GOCM 7%g 31%oil 62%m	0.56
0.00	1634' of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp. Inc
 1625 N. Waterfront PKWY
 Suite 200
 Wichita KS. 67206
 ATTN: Dave Goldak

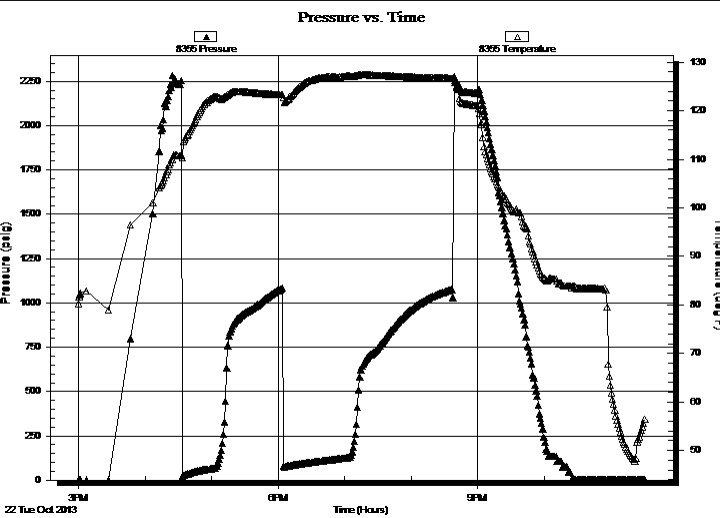
10-17s-33w Scott,KS
Freeze #1-10
 Job Ticket: 49066 **DST#: 2**
 Test Start: 2013.10.22 @ 15:00:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:33:10 Tester: Will MacLean
 Time Test Ended: 23:29:24 Unit No: 58
 Interval: **4600.00 ft (KB) To 4629.00 ft (KB) (TVD)** Reference Elevations: 3000.00 ft (KB)
 Total Depth: 4629.00 ft (KB) (TVD) 2993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8355 Outside
 Press @ Run Depth: psig @ 4601.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.22 End Date: 2013.10.22 Last Calib.: 2013.10.22
 Start Time: 15:00:05 End Time: 23:30:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 7 min
 IS- Weak Surface Blow in 4 1/4 min Built to 5"
 FF- Surface Blow Built to BOB in 1 3/4 min
 FS- Weak Surface Blow Built to BOB in 19 1/4 min



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

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	OGCM 25%oil 27%g 48%m	0.87
62.00	OGCM 18%oil 24%g 58%m	0.87
62.00	GOCM 26%g 27%oil 47%m	0.87
62.00	OGCM 27%oil 34%g 39%m	0.87
40.00	GOCM 7%g 31%oil 62%m	0.56
0.00	1634' of GIP	0.00

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp. Inc
1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206
ATTN: Dave Goldak

10-17s-33w Scott,KS
Freeze #1-10
Job Ticket: 49066 **DST#: 2**
Test Start: 2013.10.22 @ 15:00:00

Tool Information

Drill Pipe:	Length: 4593.00 ft	Diameter: 3.80 inches	Volume: 64.43 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 10000.00 lb
		Total Volume: 64.43 bbl		Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4600.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4572.00	
Shut In Tool	5.00			4577.00	
Sampler	2.00			4579.00	
Hydraulic tool	5.00			4584.00	
Jars	5.00			4589.00	
Safety Joint	2.00			4591.00	
Packer	5.00			4596.00	29.00 Bottom Of Top Packer
Packer	4.00			4600.00	
Stubb	1.00			4601.00	
Recorder	0.00	8355	Outside	4601.00	
Recorder	0.00	8674	Inside	4601.00	
Perforations	23.00			4624.00	
Bullnose	5.00			4629.00	29.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp. Inc
1625 N. Waterfront PKWY
Suite 200
Wichita KS. 67206
ATTN: Dave Goldak

10-17s-33w Scott,KS
Freeze #1-10
Job Ticket: 49066 **DST#: 2**
Test Start: 2013.10.22 @ 15:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OGCM 25%oil 27%g 48%m	0.870
62.00	OGCM 18%oil 24%g 58%m	0.870
62.00	GOCM 26%g 27%oil 47%m	0.870
62.00	OGCM 27%oil 34%g 39%m	0.870
40.00	GOCM 7%g 31%oil 62%m	0.561
0.00	1634' of GIP	0.000

Total Length: 288.00 ft Total Volume: 4.041 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler was Plugged

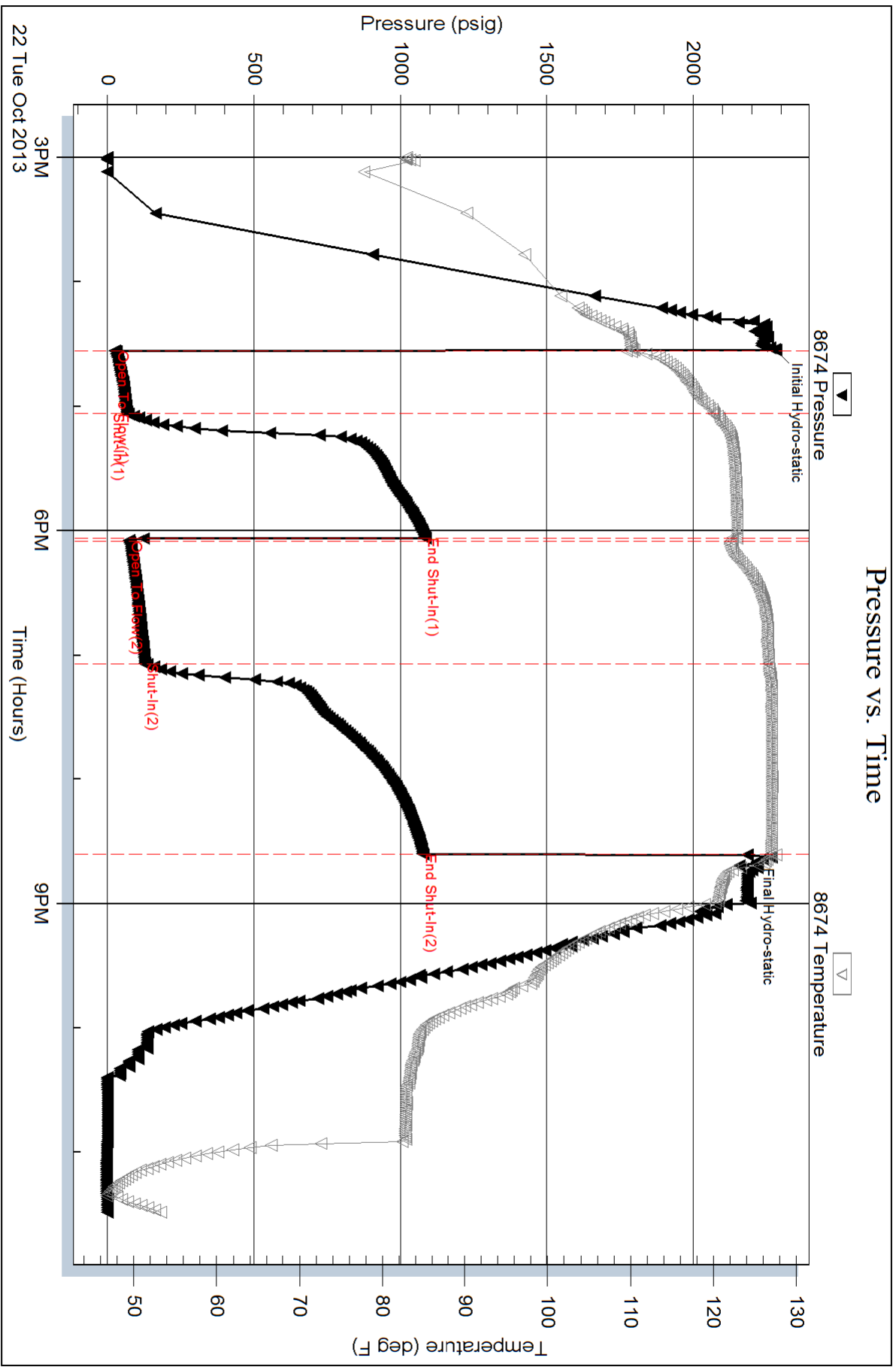
Serial #: 8674

Inside

Stelbar Oil Corp. Inc

Freese #1-10

DST Test Number: 2

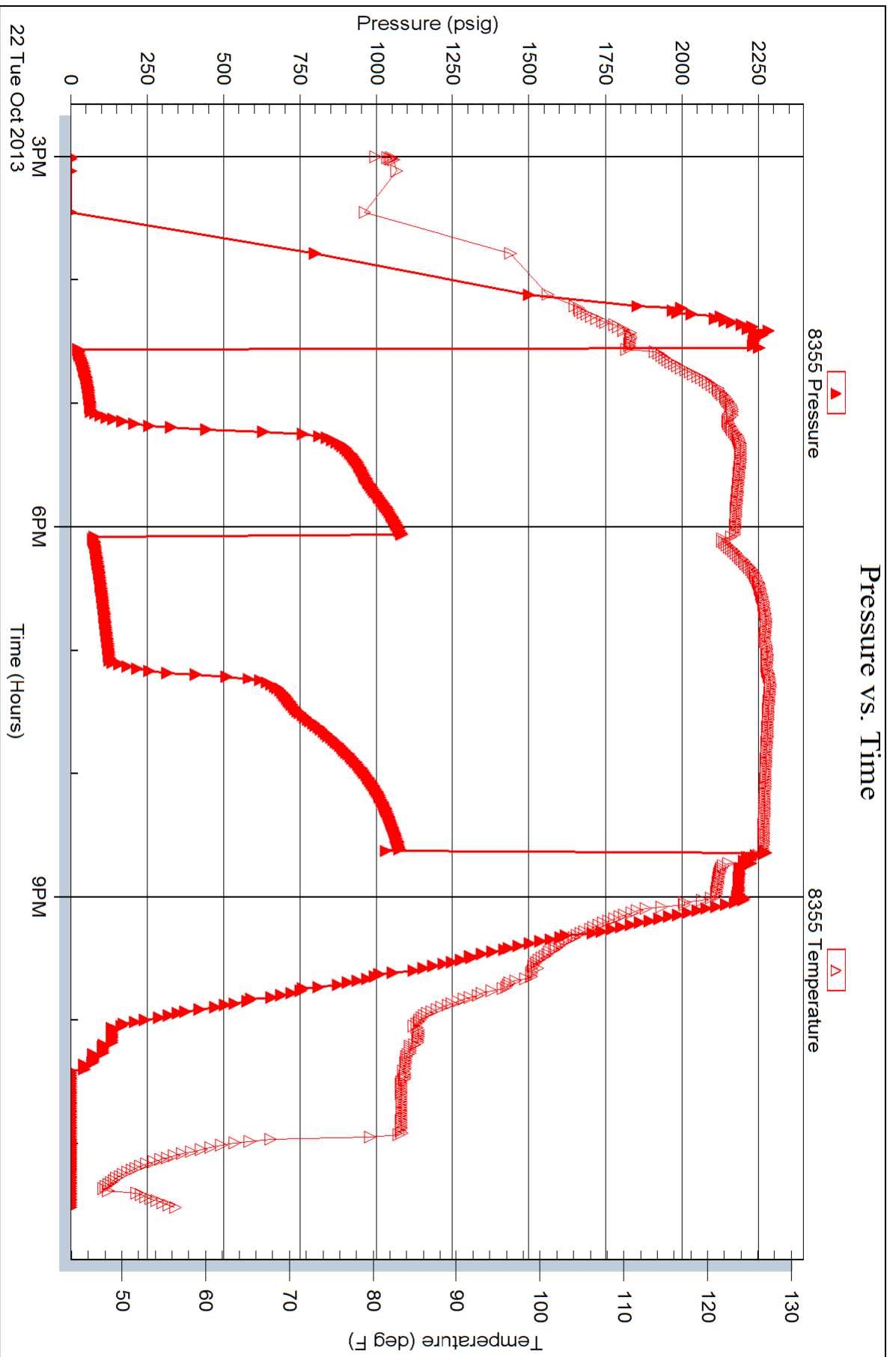


Serial #: 8355

Outside Stelbar Oil Corp. Inc

Freese #1-10

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 49066

Printed: 2013.10.25 @ 14:33:44



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49065

Well Name & No. Freeze #170 Test No. DST #1 Date 10-21-13
 Company Stelbar Oil Corp. Inc Elevation 3000 KB 2993 GL
 Address 1625 N. Waterfront PKWY Suite 200 Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell Rig #10
 Location: Sec. 10 Twp. 17s Rge. 33W Co. Scott State KS

Interval Tested 4382 - 4400 Zone Tested Marmanton
 Anchor Length 18 Drill Pipe Run 4373 Mud Wt. 9.2
 Top Packer Depth 4378 Drill Collars Run 0 Vis 42
 Bottom Packer Depth 4382 Wt. Pipe Run 0 WL 10.8
 Total Depth 4400 Chlorides 7000 ppm System LCM 21b
 Blow Description IF- Weak Surface Blow Built to 4 1/2"
ISI- No Blow
FF- Weak Surface Blow Built to 7"
FSS- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MCO</u>	<u>97</u>		<u>3</u>	
<u>15</u>	<u>OMCW</u>	<u>2</u>	<u>78</u>	<u>20</u>	
<u>62</u>	<u>MCW with a skin of oil on top</u>		<u>86</u>	<u>14</u>	
<u>62</u>	<u>MCW with oil spots</u>		<u>66</u>	<u>34</u>	

Rec Total 149 BHT 118 Gravity 34 API RW 221 @ 60 °F Chlorides 36 600 ppm

(A) Initial Hydrostatic 2199 Test 1250 T-On Location 00:20
 (B) First Initial Flow 20 Jars 250 T-Started 3:40
 (C) First Final Flow 42 Safety Joint 75 T-Open 5:54
 (D) Initial Shut-In 1188 Circ Sub N/C T-Pulled 10:01
 (E) Second Initial Flow 46 Hourly Standby T-Out 12:30
 (F) Second Final Flow 82 Mileage 24 R/T 37.20 Comments API is 35 @ 70f = 34
 (G) Final Shut-In 1171 Sampler 250
 (H) Final Hydrostatic 2068 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1862.20
 Accessibility MP/DST Disc't
 Sub Total 1862.20

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Approved By [Signature] Our Representative [Signature]

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. 49065 Date 10-21-13
 Company Name Stellar Oil Corp. Inc
 Lease Freese #1-10 Test No. DST #1
 County Scott Sec. 10 Twp. 17s Rng. 33w

SAMPLER RECOVERY

Gas 1 cubic ft ML
 Oil Trace ML
 Mud _____ ML
 Water 1850 ML
 Other _____ ML
 Pressure 350 ML
 Total ~~1850~~ 1850 ML

PIT MUD ANALYSIS

Chlorides _____ ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity _____
 Mud Weight _____
 Filtrate _____
 Other _____

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49066

Well Name & No. Freese #1-10 Test No. DST #2 Date 10-22-13
 Company Stelbar Oil Corp. Inc Elevation 3000 KB 2993 GL
 Address 1625 N. Waterfront PKWY Suite 200 Wichita KS 67206
 Co. Rep / Geo. Dave Goldak Rig Pickrell 10
 Location: Sec. 10 Twp. 17s Rge. 33W Co. Scott State KS

Interval Tested 4600 - 4629 Zone Tested Johnson
 Anchor Length 29 Drill Pipe Run 4593 Mud Wt. 9.3
 Top Packer Depth 4596 Drill Collars Run 0 Vis 46
 Bottom Packer Depth 4600 Wt. Pipe Run 0 WL 9.6
 Total Depth 4629 Chlorides 7000 ppm System LCM 216
 Blow Description IF - Weak Surface Blow Built to BOB in 7min
ISI - Weak Surface Blow in 4 1/4 min
FF - Surface Blow Built to BOB
FSI - Weak Surface Blow Built to BOB in 19 1/4 min

Rec	Feet of	%gas	%oil	%water	%mud
40	6-0CM	7	31	62	
62	0-0CM	34	27	39	
62	0-0CM	26	27	47	
62	0-0CM	24	18	58	
62	0-0CM	27	25	48	

Rec Total _____ BHT 124 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2281 Test 1250 T-On Location 13:20
 (B) First Initial Flow 25 Jars 250 T-Started 15:00
 (C) First Final Flow 65 Safety Joint 75 T-Open 16:33
 (D) Initial Shut-In 1083 Circ Sub NIC T-Pulled 20:36
 (E) Second Initial Flow 72 Hourly Standby _____ T-Out 23:29
 (F) Second Final Flow 126 Mileage 24 R/T x 2 74.40 Comments 1634' G-IP
 (G) Final Shut-In 1076 Sampler 250
 (H) Final Hydrostatic 2183 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 60 Extra Recorder 1d 11h Sub Total 800
 Final Flow 60 Day Standby Dave called me at 9:45 AM on 10-24 to load tools Total 2699.40
 Final Shut-In 90 Accessibility load tools MP/DST Disc't _____
 Sub Total 1899.40

Approved By [Signature] Our Representative [Signature]
 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. 49066 Date 10-22-13
 Company Name Stalbar Oil Corp
 Lease Freese #1-10 Test No. DST #2
 County Scott Sec. 10 Twp. 17s Rng. 33w

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud _____ ML
 Water _____ ML
 Other _____ ML
 Pressure _____ ML
 Total Plugged ML

PIT MUD ANALYSIS

Chlorides _____ ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity _____
 Mud Weight _____
 Filtrate _____
 Other _____

SAMPLER ANALYSIS

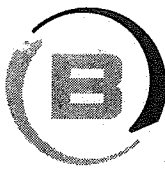
Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1717 04520 A

Surface Csg.

DATE _____ TICKET NO. _____

DATE OF JOB 10-15-13 DISTRICT 1717		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER Stelbar		LEASE Freeze		WELL NO. 114		
ADDRESS		COUNTY Scott		STATE KS		
CITY STATE		SERVICE CREW Rubay - Carlos - Norma				
AUTHORIZED BY Tyce Davis		JOB TYPE: 2-42 8 5/8 Surface				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 10-14-13 DATE AM PM TIME 2330
		78940	5			ARRIVED AT JOB AM PM 2330
		38250	3			START OPERATION AM PM 0315
		19842	2			FINISH OPERATION AM PM 6410
		14355	3			RELEASED AM PM 6430
		37725	2			MILES FROM STATION TO WELL 100

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: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL 110	Premium Plus Cement	SK	300		4890 00
CC 109	Calcium Chloride	Lb	564		592 20
CC 102	Celloflake	Lb	75		277 50
CF 753	Baffle Plate Aluminum 8 5/8	Eg	1		170 00
CF 153	Wooden Cement Plug 8 5/8	Eg	1		160 00
E 101	Heavy Equipment Mileage	Mi	200		1400 00
CE 240	Blending & Mixing Service Charge	SK	300		420 00
E 113	Proppant and Bulk Delivery charge	Tm	1410		2256 00
CE 200	Depth Charge 0-500'	4hrs	1		1000 00
CE 504	Plug Container Utilization Charge	Job	1		250 00
E 100	Pick up charge	Mi	100		425 00
T 105	Cement Data Acquisition Monitor	Eg	1		175 00
S003	Service Supervisor first 8 hrs on loc.	Eg	1		550 00

SUB TOTAL **8061 85**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <i>Rubay Marks</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
---	--

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <u>Stelbar</u>		Lease No.		Date <u>10-15-13</u>	
Lease <u>Freeze</u>		Well # <u>1-14</u>		Service Receipt	
Casing	Depth	County <u>Scott</u>		State <u>KS</u>	
Job Type		Formation	Legal Description <u>10 17 33</u>		
Pipe Data			Perforating Data		Cement Data
Casing size	<u>8 5/8 23#</u>	Tubing Size	Shots/Ft		Lead <u>300SK @ 14.8 PPG</u> <u>2x. CC, 1/4# Polyflake</u> <u>Premium Plus Cement</u> Tail in
Depth	<u>314'</u>	Depth	From	To	
Volume	<u>18.6 bbl</u>	Volume	From	To	
Max Press	<u>244'</u>	Max Press	From	To	
Well Connection		Annulus Vol.	From	To	
Plug Depth	<u>294'</u>	Packer Depth	From	To	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>2330</u>					<u>On Location - Rig up</u>
<u>0200</u>					<u>Safety Meeting</u>
<u>0315</u>	<u>1000</u>				<u>Pressure Test</u>
<u>0325</u>	<u>100</u>		<u>71.5</u>	<u>4.5</u>	<u>Pump 300SKS @ 14.8 PPG</u>
<u>0358</u>					<u>Drop Plug</u>
<u>0400</u>	<u>100</u>			<u>2</u>	<u>start Displacement</u>
<u>0410</u>	<u>50</u>		<u>18.6</u>	<u>2</u>	<u>Shut Down - Close Manifold</u>
Service Units		<u>38750</u>	<u>19842</u>	<u>14355</u>	<u>37725</u>
Driver Names		<u>Ruben</u>	<u>Carlos</u>	<u>Norma</u>	

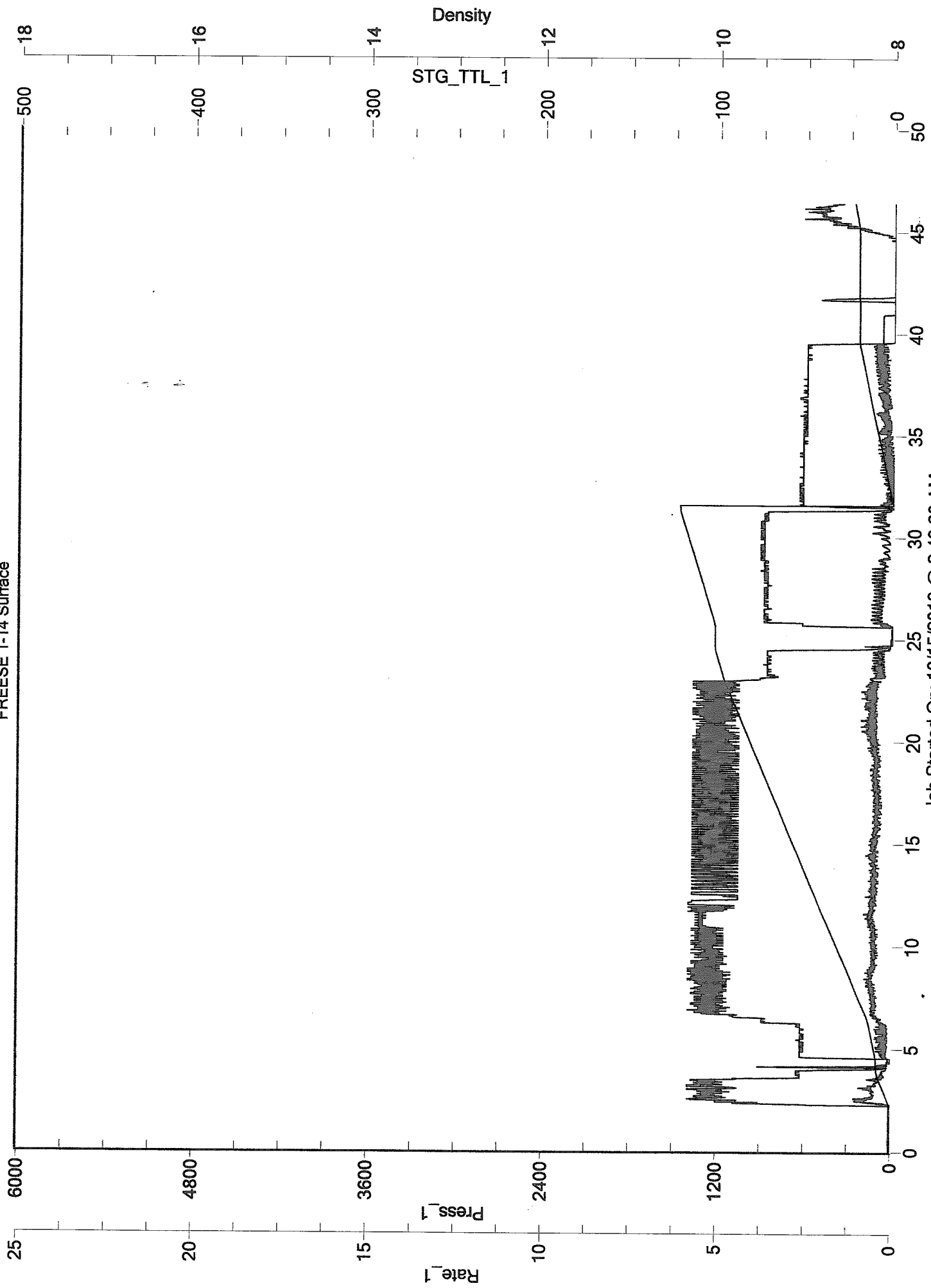
Mike
Customer Representative

Jerry Bennett
Station Manager

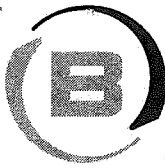
Ruben Martinez
Cementer

STELBAR

FREESE 1-14 Surface



Job Started On: 10/15/2013 @ 2:49:20 AM



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1717 04312 A

DATE _____ TICKET NO. _____

DATE OF JOB 10-24-13 DISTRICT 1717		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Stelbar		LEASE Freese #1-14 WELL NO.:							
ADDRESS		COUNTY Scott STATE KS							
CITY STATE		SERVICE CREW E Mendoza, N Bowers							
AUTHORIZED BY J Bennett JRB		JOB TYPE: 241-PTA							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
34726	8						10-24-13	12:00	
27462	8					ARRIVED AT JOB		AM	4:00
14855	8					START OPERATION		AM	6:00
14578	8					FINISH OPERATION		AM	8:00
						RELEASED		AM	9:00
						MILES FROM STATION TO WELL	100		

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 Klu*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL103	60/40 Poz	SK	780		336000
CC200	Cement Grd	lb	482		120 50
CC102	CellPlate	lb	71		262 70
E101	Heavy Equipment Mileage	mi	200		1400 00
CE240	Blending & Mixing Service	Sk	200		392 00
E113	Proppant + Bulk Delivery	cu ft	1205		1928 00
CE203	Dump Trucks 2001-3000	hr	1		1800 00
E100	Unit Mileage	mi	100		425 00
5003	Service Supervisor	ea	1		175 00
					SUB TOTAL \$6706.98

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <i>Paul Owen</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Mike Klu</i>
---	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



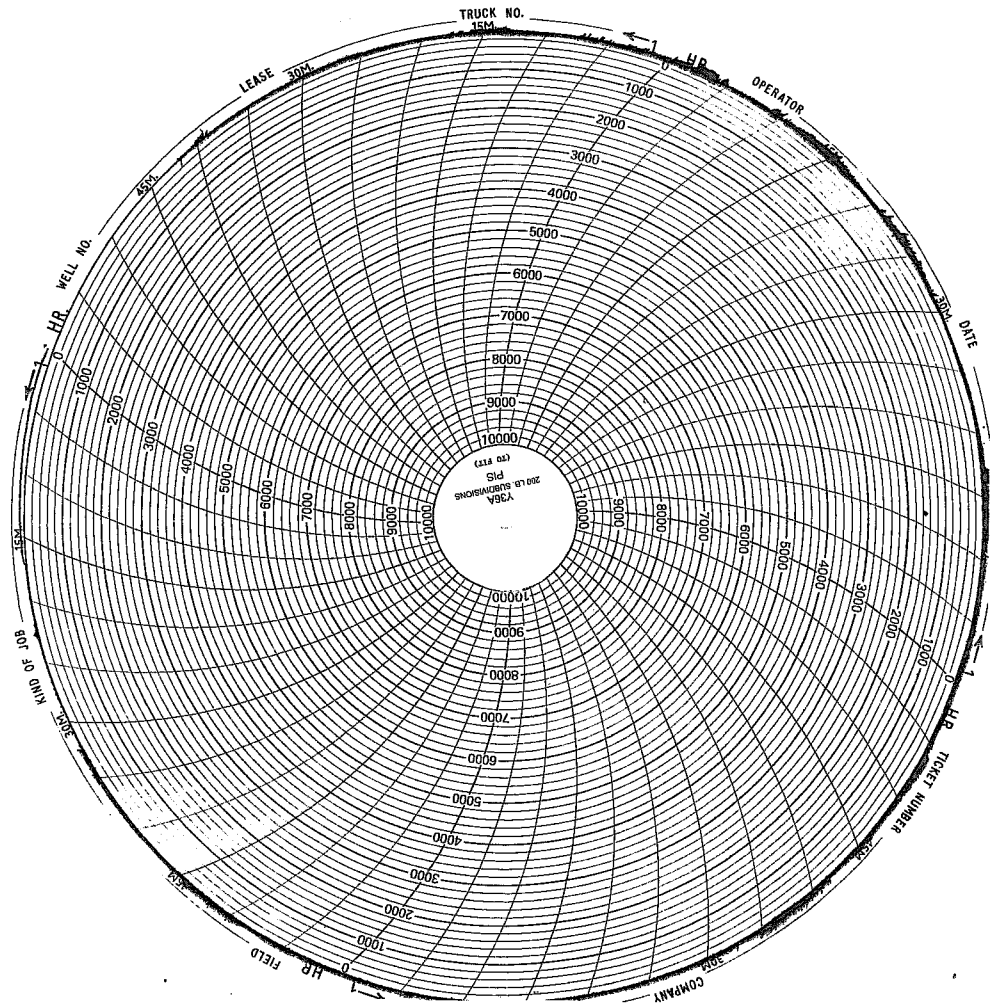
Customer	Stelbar	Lease No.		Date	10-24-13
Lease	Freeze	Well #	144	Service Receipt	04312
Casing	Depth	County	Scott	State	KS
Job Type	241-PTA	Formation		Legal Description	10-17-33

Pipe Data		Perforating Data		Cement Data
Casing size	4 1/2 D.P.	Tubing Size		Lead
Depth		Depth	From To	780 sk
Volume		Volume	From To	60/40 POZ
Max Press		Max Press	From To	Tail in
Well Connection		Annulus Vol.	From To	
Plug Depth		Packer Depth	From To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:00					on loc-site assessment
4:05					spot trucks rig up
4:30					safety meeting - JSA
4:45					pressure test 1000#
5:05					circ @ 2350'
4:55	100		13.4	4	mix & pump 80 sk 60/40 @ 135#
5:00	50		3.0	4	disp balanced plug
5:45					circ @ 1300'
5:55	100		21.4	4	mix & pump 80 sk
6:00	50		1.4	4	disp balanced plug
6:15					circ @ 700'
6:25	100		13.4	4	mix & pump 80 sk
6:30	50		6.5	4	disp balanced plug
6:45					circ @ 330'
6:55	50		13.4	3	mix & pump 50 sk
7:00	50		6.2	3	disp balanced plug
7:15					circ @ 60'
7:20	50		5.3	3	mix & pump 20 sk
7:25					circ cut to surface
7:30					plug rat hole w/ 30 sk
					job complete

Service Units	34726	27402	14355-19578		
Driver Names	K Allen	B Menden	N Powers		

M Kerr Customer Representative
 O Bennett Station Manager
 A Allen Cementer



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 05, 2013

Roscoe L. Mendenhall / Ty Lunn
Stelbar Oil Corporation, Inc.
1625 N WATERFRONT PKWY
WICHITA, KS 67206-6602

Re: ACO1
API 15-171-20981-00-00
FREESE 1-10
NE/4 Sec.10-17S-33W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Roscoe L. Mendenhall / Ty Lunn

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Freese #1-10
Location: Section 10 - T17S - R33W
License Number: API: 15-171-20981
Spud Date: 10 / 14 / 2013
Surface Coordinates: 1175' FNL and 2305' FEL
Approx. W/2 - W/2 - NE
Region: Scott Co., KS
Drilling Completed: 10 / 24 / 2013
Bottom Hole Coordinates:
Ground Elevation (ft): 2993' K.B. Elevation (ft): 3000'
Logged Interval (ft): 3650' To: 4798' Total Depth (ft): 4798'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

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	307	307	5.25
2	7-7/8	JZ-?-PDC	15-14-14	3755	3448	51.25
3	7-7/8	JZ-HA20	15-15-15	4798	1043	61.75

SURVEYS: 307'-1.00, 692'-0.25, 1203'-0.25, 1724'-0.50,
2224'-1.00, 2724'-1.00, 3755'-0.75, 4400'-0.50

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"): 496.18'
Pumping 65 S/M; 8.4 B/M; 750-850 psi from 3755' to 4285'.
Pumping 58 S/M; 7.5 B/M; 650-700 psi below 4285'.

Daily Status

10/14/13 - Spud at 5:15 PM; Set 8-5/8" csg at 305'
 10/15/13 - 307' WOC
 10/16/13 - 1,585' Drilling
 10/17/13 - 2,630' Drilling
 10/18/13 - 3,380' Drilling; Displace mud system at 3,505'
 10/19/13 - 3,815' Drilling
 10/20/13 - 4,255' Drilling
 10/21/13 - 4,400' Running DST #1
 10/22/13 - 4,570' Drilling; DST #2 @ 4,629'
 10/23/13 - 4,665' Drilling
 10/24/13 - 4,798' Waiting on orders

DST #1: 4,382' - 4,400' (Marmaton)
30" - 60" - 60" - 90"

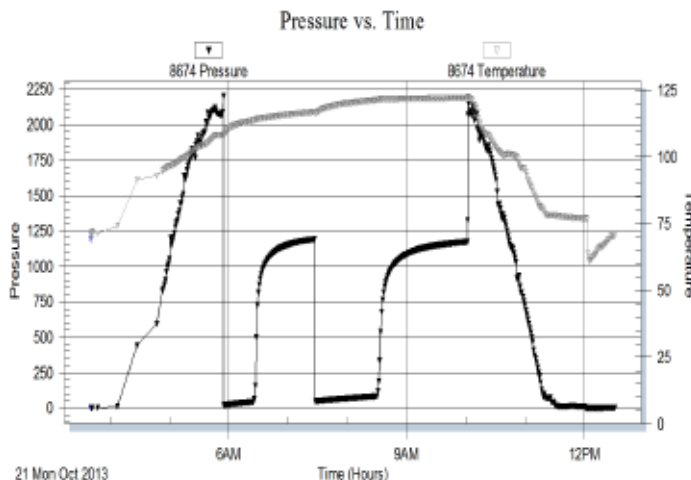
IF: Weak blow, building to 4-1/2 inches
ISI: No blow back
FF: Good blow building to 7 inches
FSI: No blow back

RECOVERY: 149' Total Fluid, consisting of:

10' MCO (97% O, 3% M); Gravity: 34
 15' OMCW (2% O, 78% W, 20% M)
 62' OSMCW (66% W, 34% M)
 62' MCW (86% W, 14% M)

Sampler: 0.1 CFG, Tr O & 1850 ml W @ 350 psi

SIP: 1188-1171; **FP:** 20-43, 47-82; **HP:** 2200-2069; **BHT:** 118



DST #2: 4,600' - 4,629' (Johnson Zone)
30" - 60" - 60" - 90"

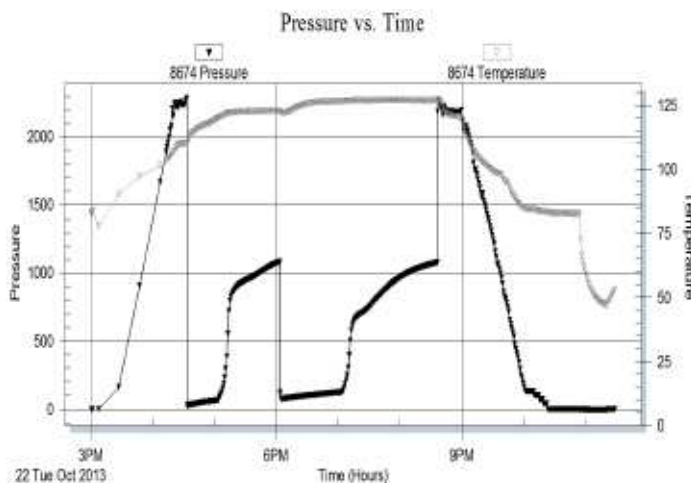
IF: Good blow, building to BOB in 7 minutes
ISI: Blow back building to 5 inches
FF: Good blow building to BOB in 2 minutes
FSI: Blow back building to BOB in 19 minutes

RECOVERY: 1634' GIP & 288' Total Fluid, consisting of:

288' GOCM (25% G, 25% O, 50% M)

Sampler: Failed - no recovery

SIP: 1084-1076; **FP:** 26-66, 73-127; **HP:** 2281-2184;
BHT: 124



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
	Sltyslh
	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
- Sltly

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

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- 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

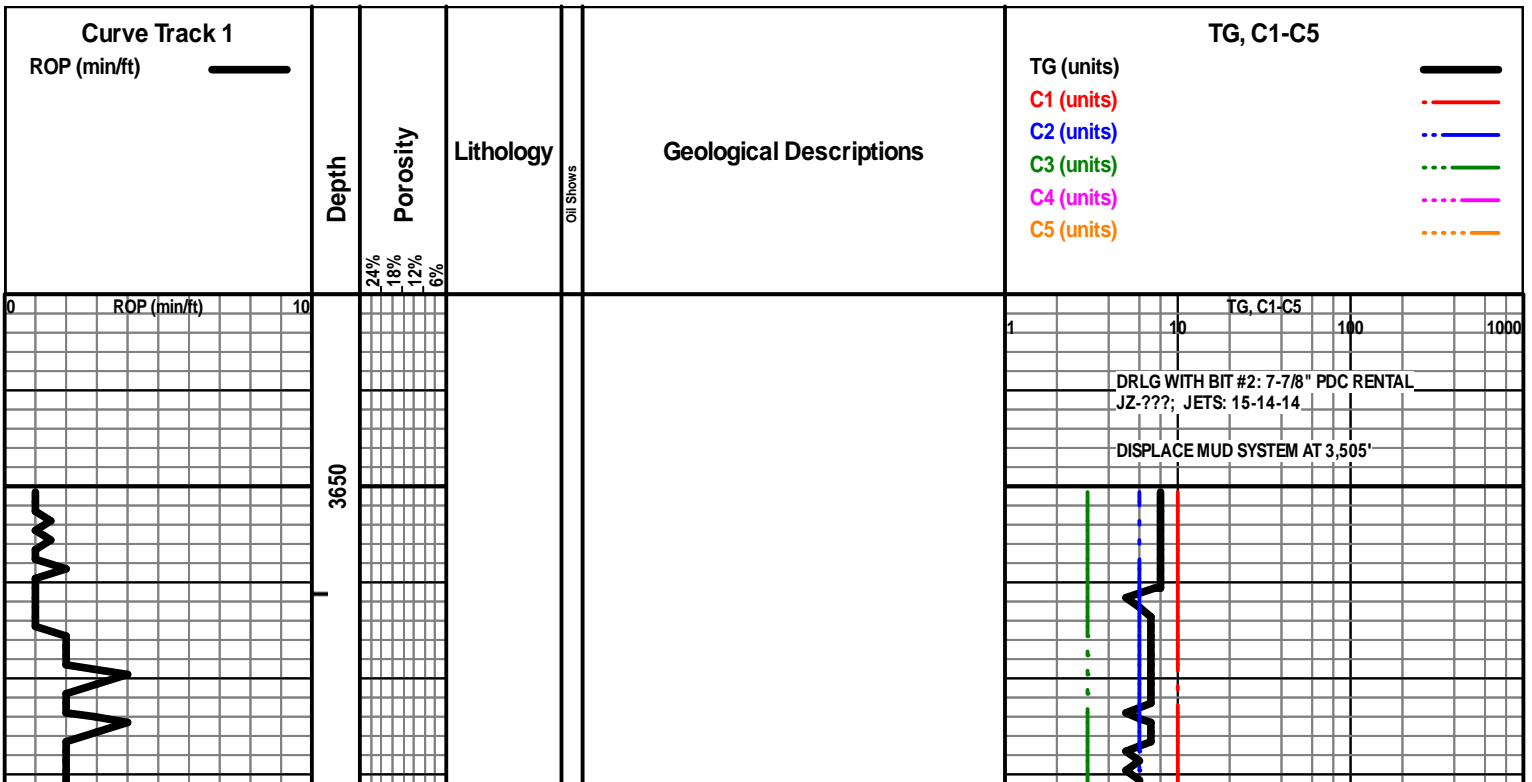
INTERVALS

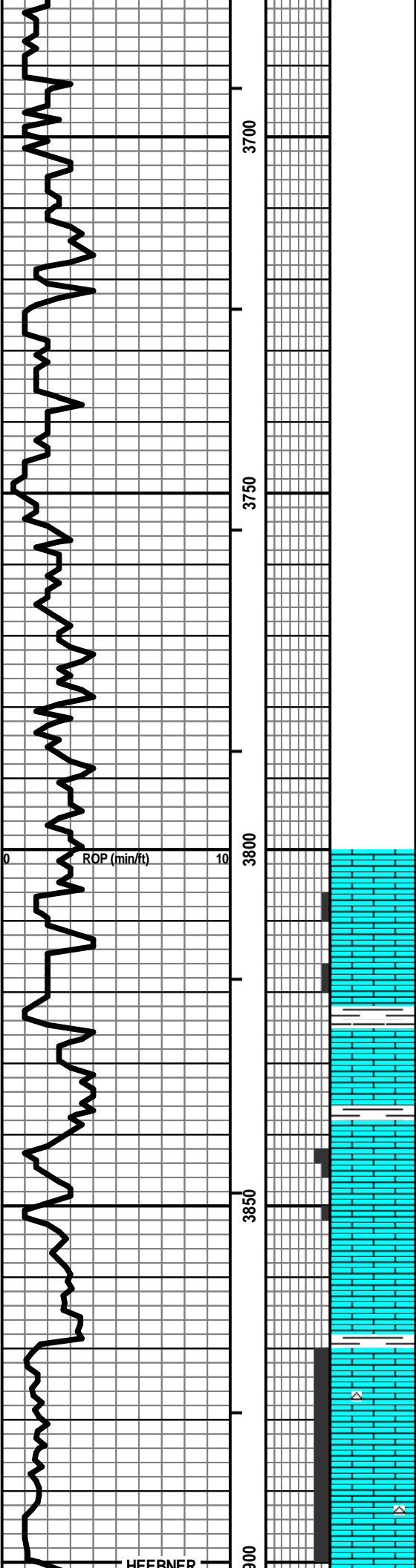
- Core
- Dst

- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall
- Conn





LS - TAN / CRM, VF / F XLN, FOSS IN PT, TR PINTXLN
POR, SCAT CHKY, PRED DNS, NS

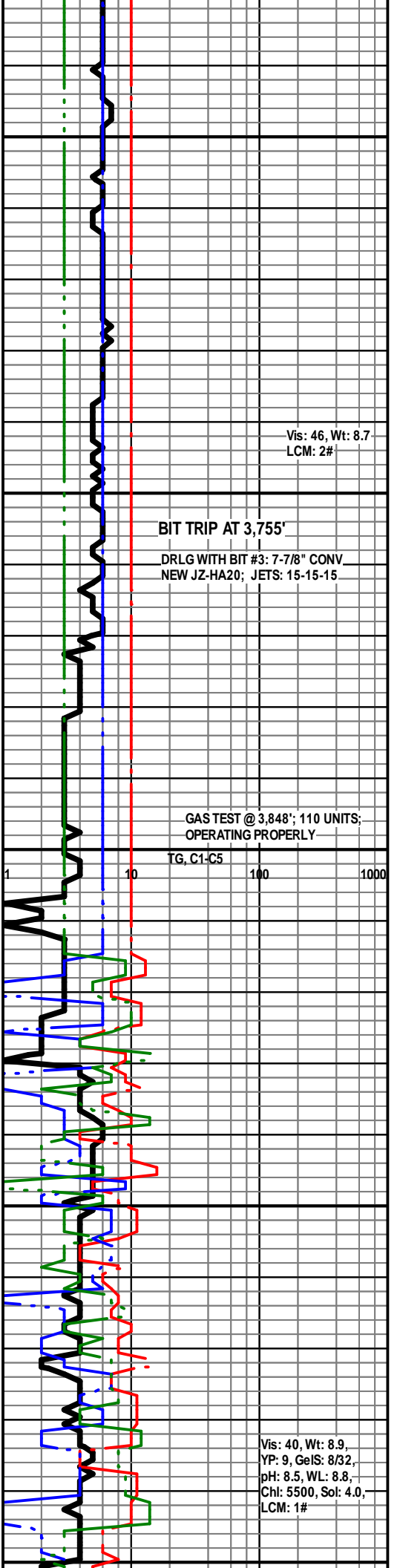
LS - CRM / WHT / TAN, VF / F XLN, FOSS IN PT, SCAT P
INTPART / INTXLN POR, PRED DNS / CHKY, VSSFO, NO
ODOR, SCAT SPTY STN

LS - CRM / TAN, VF / F XLN, FOSS, P / F FOSSMOLD POR
IN PT, SCAT INTXLN POR, PRED DNS / CHKY, NS

LS - ASABOVE, PRED DNS, CHKY IN PT, NS

LS - CRM / WHT / TAN, VF / F XLN, FOSS IN PT, P / F PPT
+ INTXLN POR, CHKY IN PT, SCAT SPTY STN, NSFO, NO
ODOR W/CHT - LT GY / WHT

LS - ASABOVE, NS



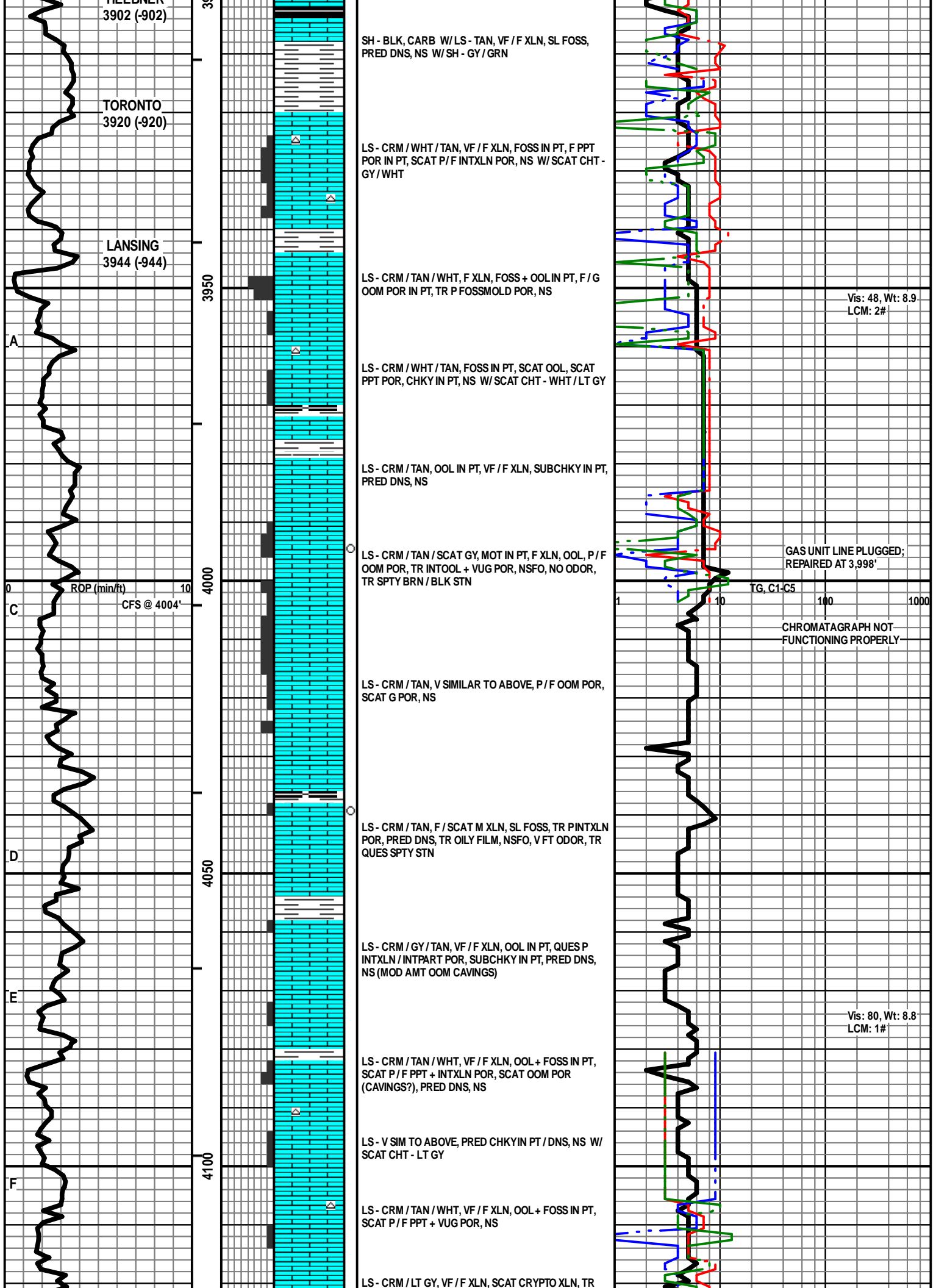
Vis: 46, Wt: 8.7
LCM: 2#

BIT TRIP AT 3,755'
DRLG WITH BIT #3: 7-7/8" CONV
NEW JZ-HA20; JETS: 15-15-15

GAS TEST @ 3,848'; 110 UNITS;
OPERATING PROPERLY

TG, C1-C5

Vis: 40, Wt: 8.9,
YP: 9, GelS: 8/32,
pH: 8.5, WL: 8.8,
Chl: 5500, Sol: 4.0,
LCM: 1#



HEEDNER
3902 (-902)

TORONTO
3920 (-920)

LANSING
3944 (-944)

SH - BLK, CARB W/LS - TAN, VF / F XLN, SL FOSS,
PRED DNS, NS W/SH - GY / GRN

LS - CRM / WHT / TAN, VF / F XLN, FOSS IN PT, F PPT
POR IN PT, SCAT P / F INTXLN POR, NS W/ SCAT CHT -
GY / WHT

LS - CRM / TAN / WHT, F XLN, FOSS + OOL IN PT, F / G
OOM POR IN PT, TR P FOSSMOLD POR, NS

LS - CRM / WHT / TAN, FOSS IN PT, SCAT OOL, SCAT
PPT POR, CHKY IN PT, NS W/ SCAT CHT - WHT / LT GY

LS - CRM / TAN, OOL IN PT, VF / F XLN, SUBCHKY IN PT,
PRED DNS, NS

LS - CRM / TAN / SCAT GY, MOT IN PT, F XLN, OOL, P / F
OOM POR, TR INTOOL + VUG POR, NSFO, NO ODOR,
TR SPTY BRN / BLK STN

LS - CRM / TAN, V SIMILAR TO ABOVE, P / F OOM POR,
SCAT G POR, NS

LS - CRM / TAN, F / SCAT M XLN, SL FOSS, TR PINTXLN
POR, PRED DNS, TR OILY FILM, NSFO, V FT ODOR, TR
QUES SPTY STN

LS - CRM / GY / TAN, VF / F XLN, OOL IN PT, QUES P
INTXLN / INTPART POR, SUBCHKY IN PT, PRED DNS,
NS (MOD AMT OOM CAVINGS)

LS - CRM / TAN / WHT, VF / F XLN, OOL + FOSS IN PT,
SCAT P / F PPT + INTXLN POR, SCAT OOM POR
(CAVINGS?), PRED DNS, NS

LS - V SIM TO ABOVE, PRED CHKY IN PT / DNS, NS W/
SCAT CHT - LT GY

LS - CRM / TAN / WHT, VF / F XLN, OOL + FOSS IN PT,
SCAT P / F PPT + VUG POR, NS

LS - CRM / LT GY, VF / F XLN, SCAT CRYPTO XLN, TR

Vis: 48, Wt: 8.9
LCM: 2#

GAS UNIT LINE PLUGGED;
REPAIRED AT 3,998'

CHROMATAGRAPH NOT
FUNCTIONING PROPERLY

Vis: 80, Wt: 8.8
LCM: 1#

A

C

D

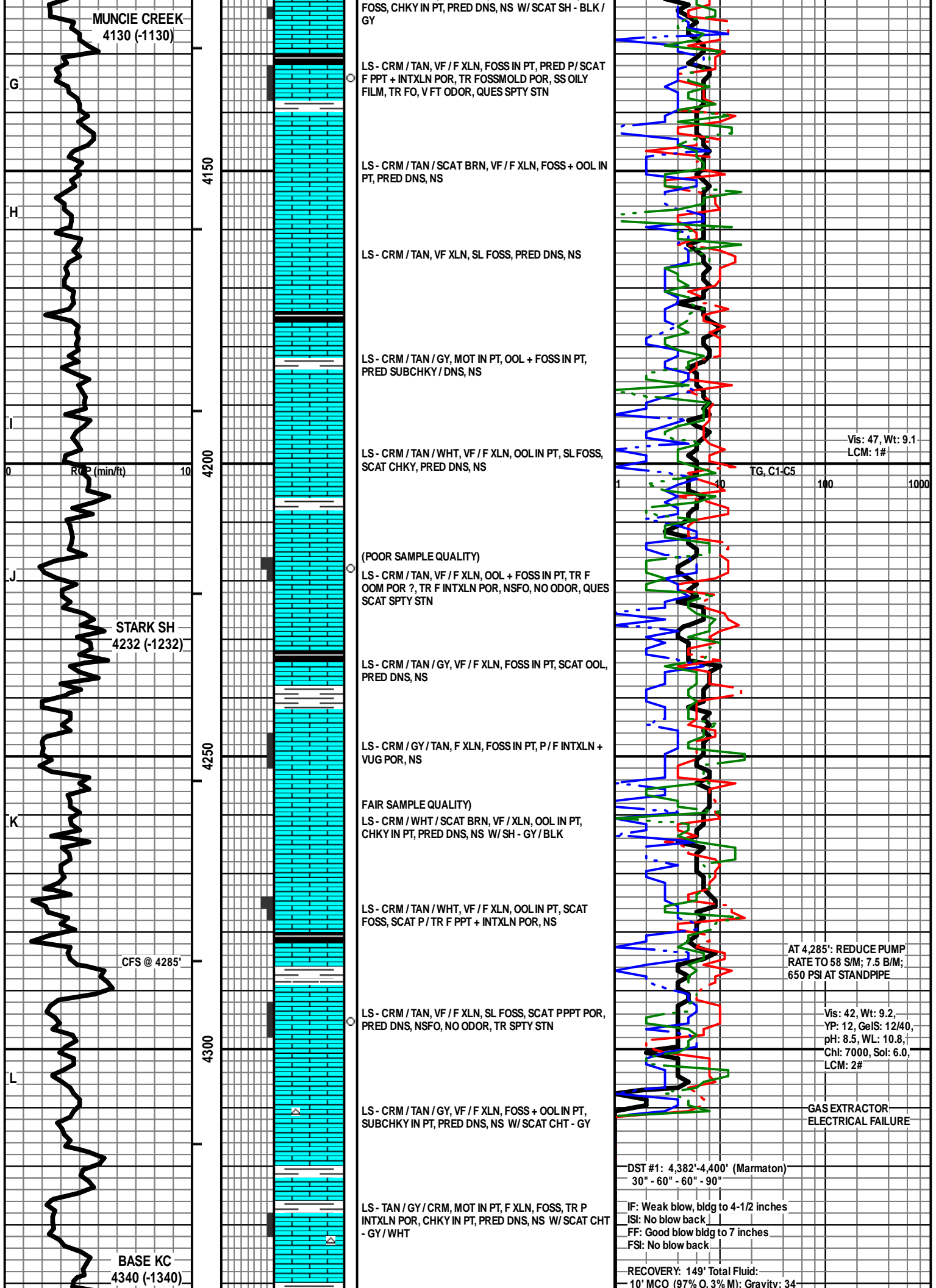
E

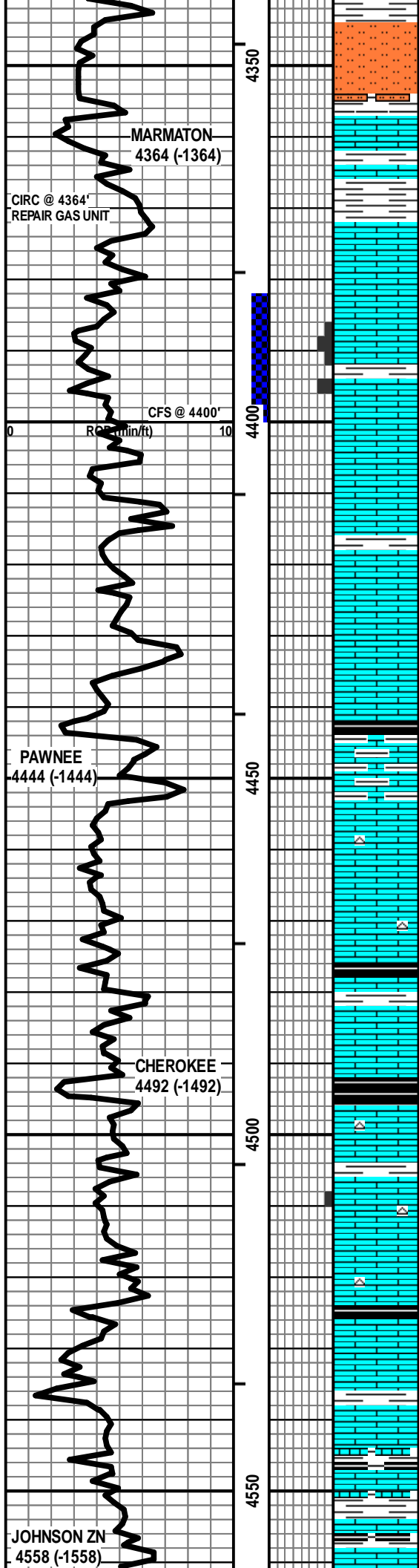
F

ROP (min/ft)
CFS @ 4004'

TG, C1-C5

100 1000





SH + SLTST - GY / GRN, CALC IN PT

(GOOD SAMPLE QUALITY)
LS - CRM / TAN, VF / F XLN, OOL, NO VIS POR, PRED DNS, NS W/ SH - GY / SCAT GRN

LS - CRM / TAN / SCAT BRN, SL FOSS, SUBCHKYIN PT, PRED DNS, NS W/ SCAT SH - GY / SCAT GRN

LS - CRM / TAN, F XLN, OOL, SL FOSS, P / F INTPART + PPT POR, SCAT P / G VUG POR, SL / F SFO, F ODOR, SPTY / SCAT SAT STN, G FLUOR + CUT

(FAIR SAMPLE QUALITY)
LS - CRM / TAN, F / CRYPTO XLN, SCAT REXLN CALC, SL FOSS, CHKY IN PT, PRED DNS, NS

LS - ASABOVE, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, PRED DNS, NS

ABNT SH - PRED GY / GRN W/ LS - CRM / TAN / SCAT BRN, VF / F XLN, PRED DNS, NS

(GOOD SAMPLE QUALITY)
LS - CRM / TAN, VF / F XLN, SL FOSS IN PT, CHKY IN PT, PRED DNS, NO VIS POR, NS, NO ODOR W/ CHT - LT GY / WHT / TAN

LS - TAN / BRN / GY, MOT IN PT, VF / F XLN, SL FOSS, SUBCHKYIN PT, PRED DNS, NS

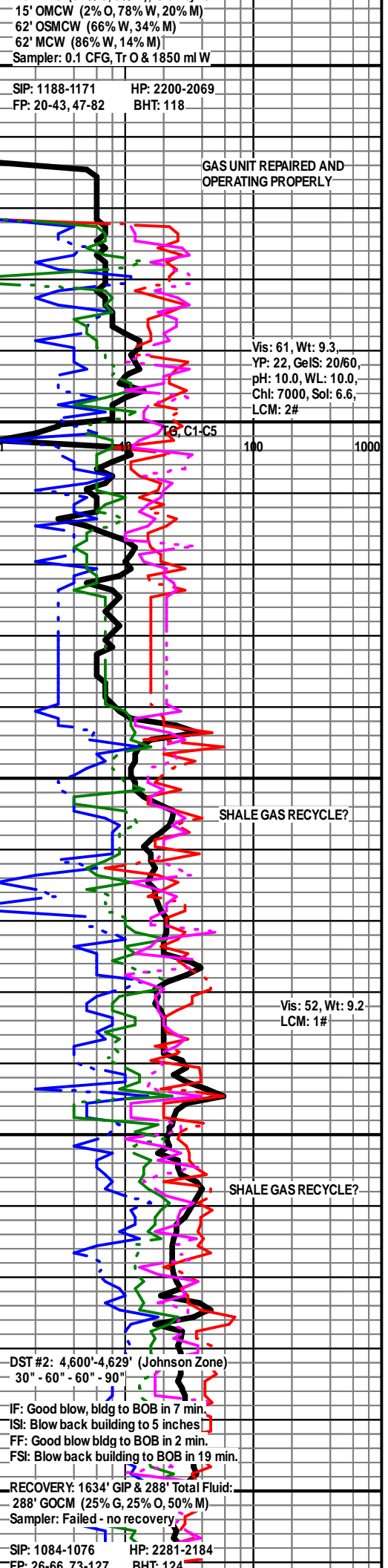
SH - BLK, CARB W/ LS - TAN / BRN, VF / F XLN, FOSS IN PT, PRED DNS, NS W/ SCAT CHT - WHT / LT GY

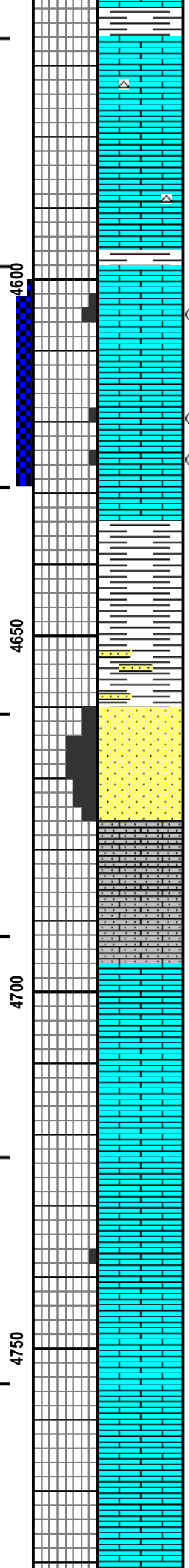
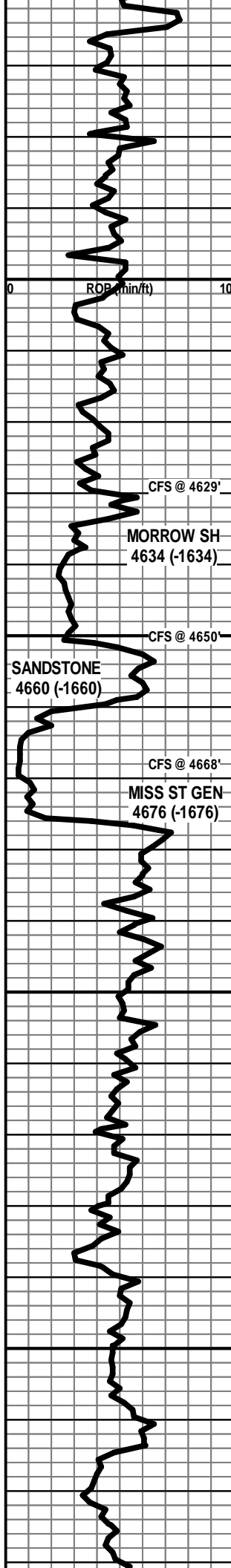
LS - CRM / TAN / SCAT GY, MOT IN PT, VF / F XLN, OOL IN PT, FOSS IN PT, TR P INTPART POR, PRED DNS, NSFO, NO ODOR, TR SPTY STN W/ SCAT CHT - WHT / LT GY

LS - TAN / CRM, VF / CRYPTO XLN, SL FOSS IN PT, SUBCHKYIN PT, PRED DNS, NO VIS POR, NS

LS - TAN / GY / BRN, MOT IN PT, VF / F XLN, SL FOSS IN PT, PRED DNS, NS W/ SH - GY / BLK

LS - CRM / TAN / SCAT BRN, VF / F XLN, SL FOSS, OOL IN PT, SUBCHKY / DNS, NS W/ SH - GY / BLK





LS - CRM / TAN, VF / F XLN, SCAT CRYPTO XLN, SCAT OOL + FOSS, SUBCHKY / DNS, NS W / SCAT CHT - TAN / GY

LS - CRM / TAN / SCAT BRN, VF / F XLN, SCAT OOL + FOSS, PRED DNS, NS W / SCAT CHT - GY / TAN

LS - CRM / TAN, PRED VF / F XLN, TR M XLN, SL FOSS, P / F INTXLN + PPT POR, SL / F SFO, SSGB, F ODOR, PRED SPTY STN / TR SAT, P / G FLUOR, F / G CUT

LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SCAT PRED P INTXLN / INTPART POR, TR F POR (CAVINGS?), SSFO, FT ODOR, SCAT SPTY STN, P / G FLUOR + CUT

(POOR SAMPLE QUALITY)
PRED SH - GY / GRN, SLTY IN PT W / LS - ASABOVE, PRED DNS, NS

PRED SH - GY / GRN / RED / YEL W / SCAT SS CLSTRS - GRN / GY, VF QTZ GR, W SR TD, SA / SR, SIL CEM, DNS, VP / NO VIS POR, NS

(POOR SAMPLE QUALITY)
SS CLSTRS - LT GY, VF / F / M QTZ GR, W / F SR TD, SR / R, SIL CEM, F / G INTGR POR, FRI, NS, NO ODOR, NO STN, NO FLUOR / CUT

LS (ST GEN) - WHT / CRM, VF XLN, V AREN, VF QTZ GR, SUBCHKY / DNS, NS

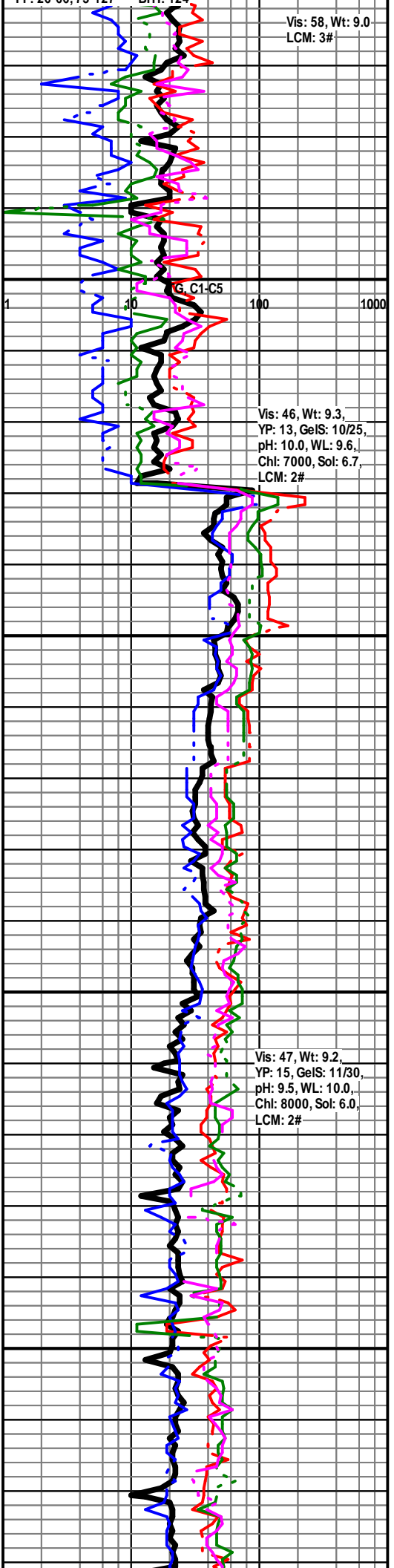
(FAIR SAMPLE QUALITY)
LS - ASABOVE W / SCAT LS - CRM / SCAT WHT / TAN, VF / F XLN, OOL IN PT, PRED DNS, NS

(GOOD SAMPLE QUALITY)
LS - CRM / TAN, VF / F XLN, OOL IN PT, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, OOL, SCAT P INTOOL POR, CHKY IN PT, PRED DNS, NS

LS - CRM / TAN / SCAT GY, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS

LS - CRM / TAN, VF / F / CRYPTO XLN, OOL IN PT, SCAT CHKY, PRED DNS, NS



Vis: 58, Wt: 9.0
LCM: 3#

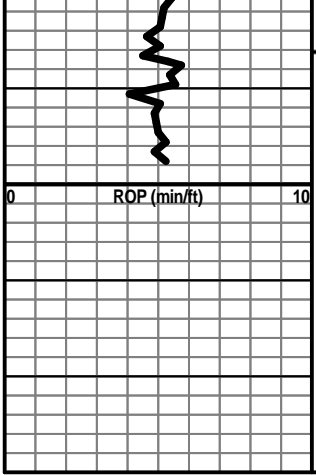
Vis: 46, Wt: 9.3,
YP: 13, GelS: 10/25,
pH: 10.0, WL: 9.6,
Chl: 7000, Sol: 6.7,
LCM: 2#

Vis: 47, Wt: 9.2,
YP: 15, GelS: 11/30,
pH: 9.5, WL: 10.0,
Chl: 8000, Sol: 6.0,
LCM: 2#

LS - CRM / TAN, VF / F / CRYPTO XLN, OOL IN PT, SCAT
CHKY, PRED DNS, NS

TOTAL DEPTH 4798 (-1798)

Vis: 57, Wt: 9.0
LCM: 1#



4800

