



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



1160556

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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	Joe Gerstner Oil, LLC
Well Name	Bradshaw #1-21 1
Doc ID	1160556

All Electric Logs Run

Micro
Dual Induction
Comp Density/Neutron Log
Bond log

Form	ACO1 - Well Completion
Operator	Joe Gerstner Oil, LLC
Well Name	Bradshaw #1-21 1
Doc ID	1160556

Tops

Name	Top	Datum
Anhy	1620	+765
Heebner	3905	-1520
Lansing	3956	-1571
Stark	4221	-1836
BKC	4329	-1944
Marmaton	4341	-1956
Ft. Scott	4583	-2098
Cherokee Shale	4510	-2125
Mississippian	4583	-2198
Miss Por	4587	-2202
RTD	4706	-2321



DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

PO Box 509
Ness City KS 67560

ATTN: Andrew Stenzel

Bradshaw #1-21

21-21s-23w Hodgeman,KS

Start Date: 2013.08.26 @ 16:25:15

End Date: 2013.08.26 @ 23:03:00

Job Ticket #: 52905 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.03 @ 14:30:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

21-21s-23w Hodgeman, KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52905

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.08.26 @ 16:25:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:55:00

Time Test Ended: 23:03:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4294.00 ft (KB) To 4430.00 ft (KB) (TVD)

Reference Elevations: 2385.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

2378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8846

Inside

Press @ Run Depth: 647.90 psig @ 4295.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.26

End Date:

2013.08.26

Last Calib.:

2013.08.26

Start Time: 16:25:15

End Time:

23:03:00

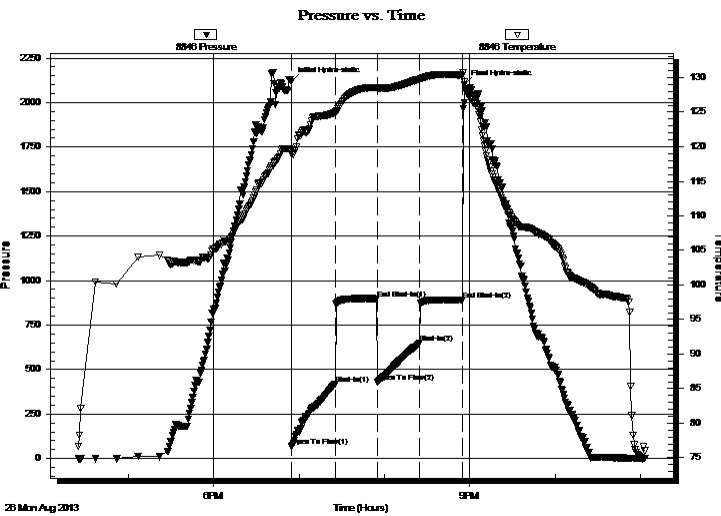
Time On Btm:

2013.08.26 @ 18:54:30

Time Off Btm:

2013.08.26 @ 20:56:15

TEST COMMENT: IF:BOB in 5 min.
IS:No return blow
FF:BOB in 5 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.25	119.42	Initial Hydro-static
1	67.29	118.95	Open To Flow (1)
31	417.94	124.94	Shut-In(1)
61	897.15	128.59	End Shut-In(1)
61	430.08	128.51	Open To Flow (2)
91	647.90	129.75	Shut-In(2)
121	889.51	130.31	End Shut-In(2)
122	2100.97	128.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	mud 100% m	4.35
496.00	w cm 20%sw 80%m	6.96
620.00	sw 100%sw	8.70

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

21-21s-23w Hodgeman,KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52905

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.08.26 @ 16:25:15

Tool Information

Drill Pipe:	Length: 4282.00 ft	Diameter: 3.80 inches	Volume: 60.07 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4294.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	136.00 ft			
Tool Length:	160.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4271.00	
Shut In Tool	5.00			4276.00	
Hydraulic tool	5.00			4281.00	
Jars	5.00			4286.00	
Safety Joint	3.00			4289.00	
Packer	5.00			4294.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4294.00	
Stubb	1.00			4295.00	
Recorder	0.00	8846	Inside	4295.00	
Recorder	0.00	8737	Outside	4295.00	
Perforations	3.00			4298.00	
Change Over Sub	1.00			4299.00	
Drill Pipe	125.00			4424.00	
Change Over Sub	1.00			4425.00	
Bullnose	5.00			4430.00	136.00 Anchor Tool

Total Tool Length: 160.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

21-21s-23w Hodgeman,KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52905

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2013.08.26 @ 16:25:15

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:

24000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.72 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mud 100% m	4.348
496.00	w cm 20%sw 80%m	6.958
620.00	sw 100%sw	8.697

Total Length: 1426.00 ft Total Volume: 20.003 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .256@ 80*=24,000 ppm

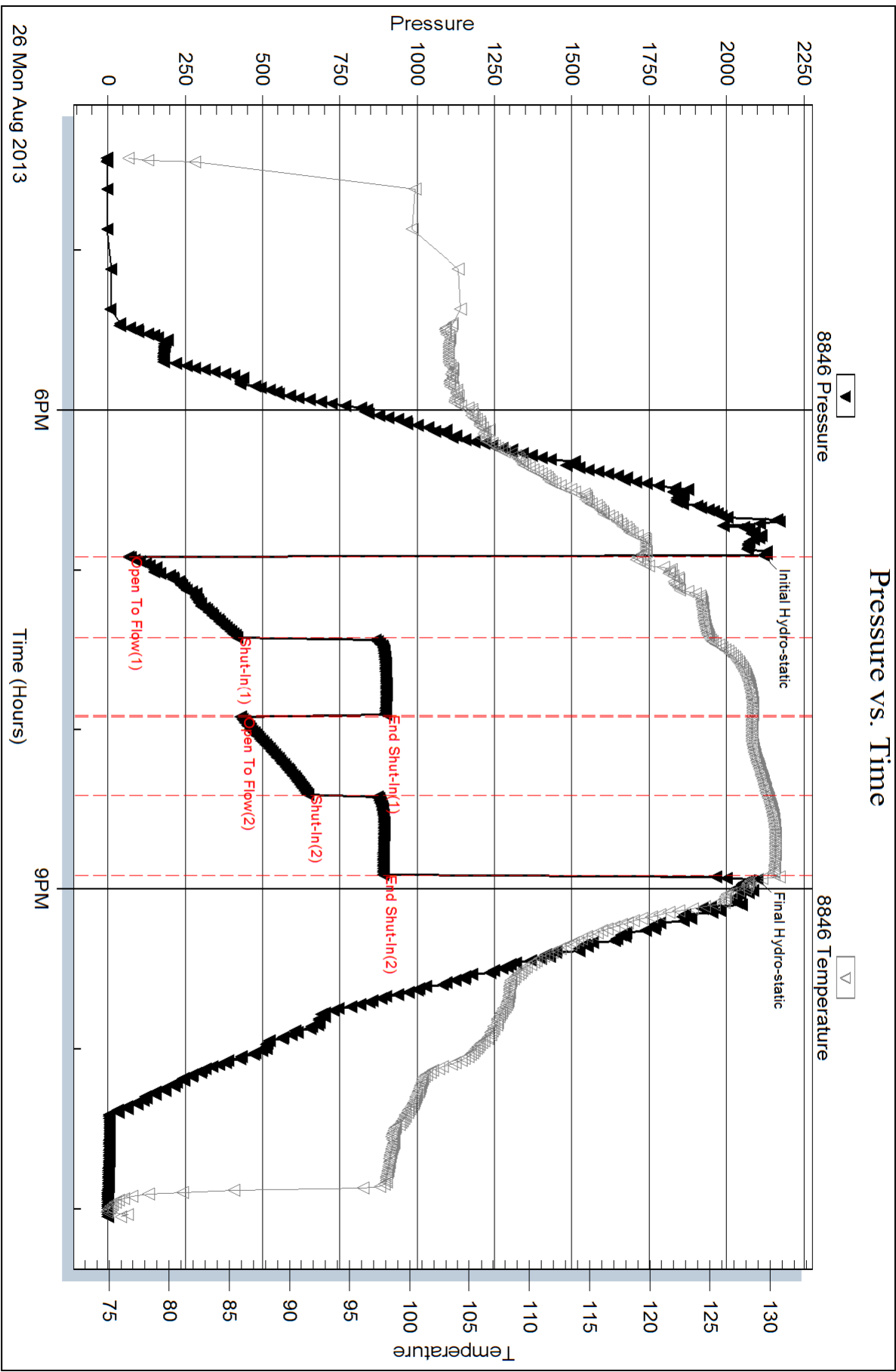
Serial #: 8846

Inside

Joe Gerstner Oil LLC

Bradshaw #1-21

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52905

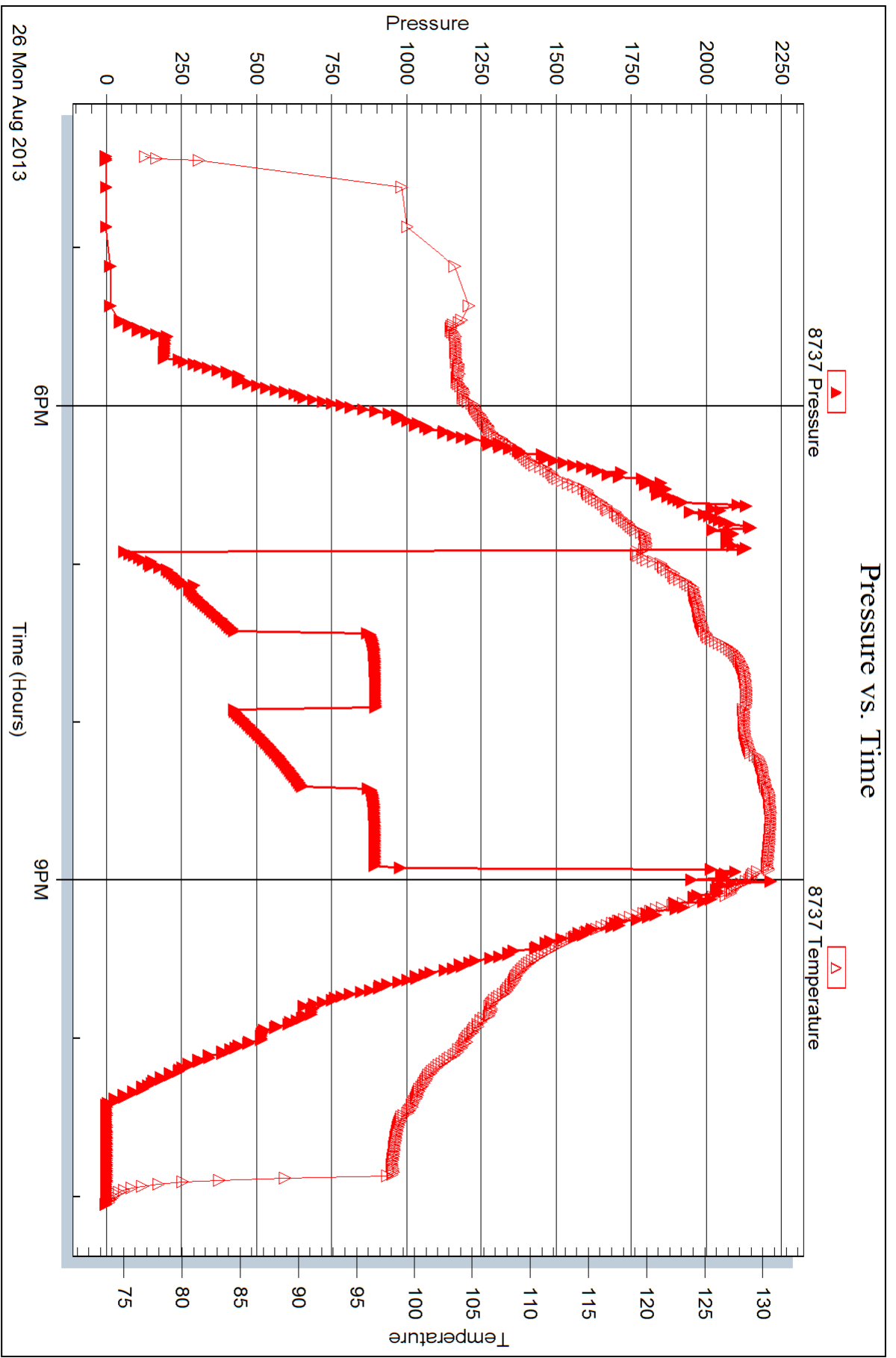
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Serial #: 8737

Outside Joe Gerstner Oil LLC

Bradshaw #1-21

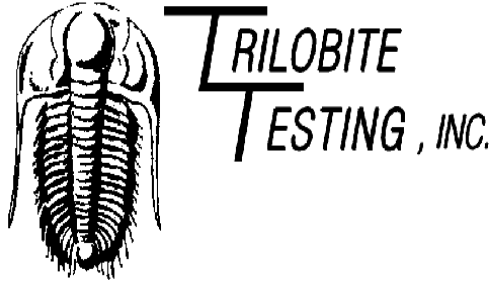
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52905

Printed: 2013.09.03 @ 14:30:37



DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

PO Box 509
Ness City KS 67560

ATTN: Andrew Stenzel

Bradshaw #1-21

21-21s-23w Hodgeman,KS

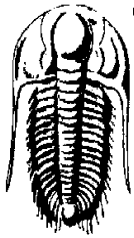
Start Date: 2013.08.27 @ 17:56:15

End Date: 2013.08.28 @ 01:05:00

Job Ticket #: 52906 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.09.03 @ 14:28:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

21-21s-23w Hodgeman, KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52906

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.08.27 @ 17:56:15

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:56:30

Time Test Ended: 01:05:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4522.00 ft (KB) To 4600.00 ft (KB) (TVD)

Reference Elevations: 2385.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

2378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8846 Inside

Press @ Run Depth: 79.78 psig @ 4523.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.27

End Date:

2013.08.28

Last Calib.:

2013.08.28

Start Time: 17:56:15

End Time:

01:05:00

Time On Btm:

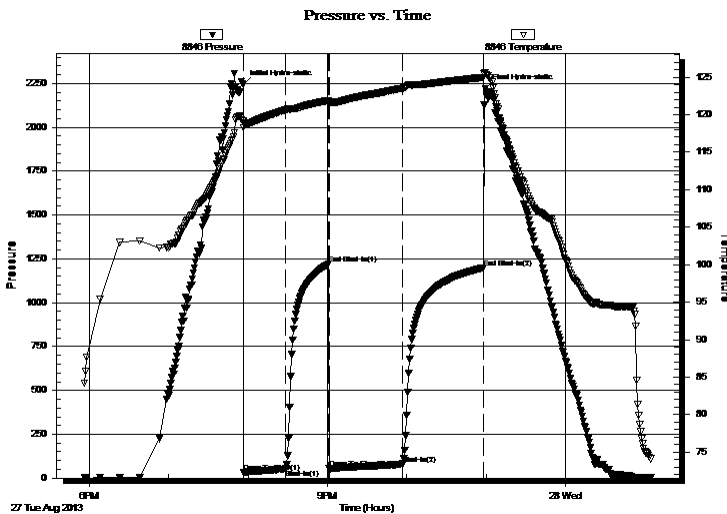
2013.08.27 @ 19:56:15

Time Off Btm:

2013.08.27 @ 22:59:15

TEST COMMENT: IF: Built to 4" blow
IS: No return blow
FF: BOB in 39 min.
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.49	119.12	Initial Hydro-static
1	33.93	118.29	Open To Flow (1)
32	50.86	120.62	Shut-In(1)
65	1219.83	121.87	End Shut-In(1)
65	54.16	121.65	Open To Flow (2)
121	79.78	123.51	Shut-In(2)
182	1198.98	124.96	End Shut-In(2)
183	2220.22	125.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 124	0.00
30.00	free oil 100% o	0.42
62.00	gcmo 10%g 30%m 60%o	0.87
62.00	ocgm 5%o 10%g 85%m	0.87

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

21-21s-23w Hodgeman,KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52906

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.08.27 @ 17:56:15

Tool Information

Drill Pipe:	Length: 4507.00 ft	Diameter: 3.80 inches	Volume: 63.22 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4522.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	102.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4499.00	
Shut In Tool	5.00			4504.00	
Hydraulic tool	5.00			4509.00	
Jars	5.00			4514.00	
Safety Joint	3.00			4517.00	
Packer	5.00			4522.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4522.00	
Stubb	1.00			4523.00	
Recorder	0.00	8846	Inside	4523.00	
Recorder	0.00	8737	Outside	4523.00	
Perforations	7.00			4530.00	
Change Over Sub	1.00			4531.00	
Drill Pipe	63.00			4594.00	
Change Over Sub	1.00			4595.00	
Bullnose	5.00			4600.00	78.00 Anchor Tool

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

21-21s-23w Hodgeman,KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52906

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2013.08.27 @ 17:56:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	GIP= 124	0.000
30.00	free oil 100% o	0.421
62.00	gcmo 10%g 30%m 60%o	0.870
62.00	ocgm 5%o 10%g 85%m	0.870

Total Length: 154.00 ft Total Volume: 2.161 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 37 @70 corrected to 36

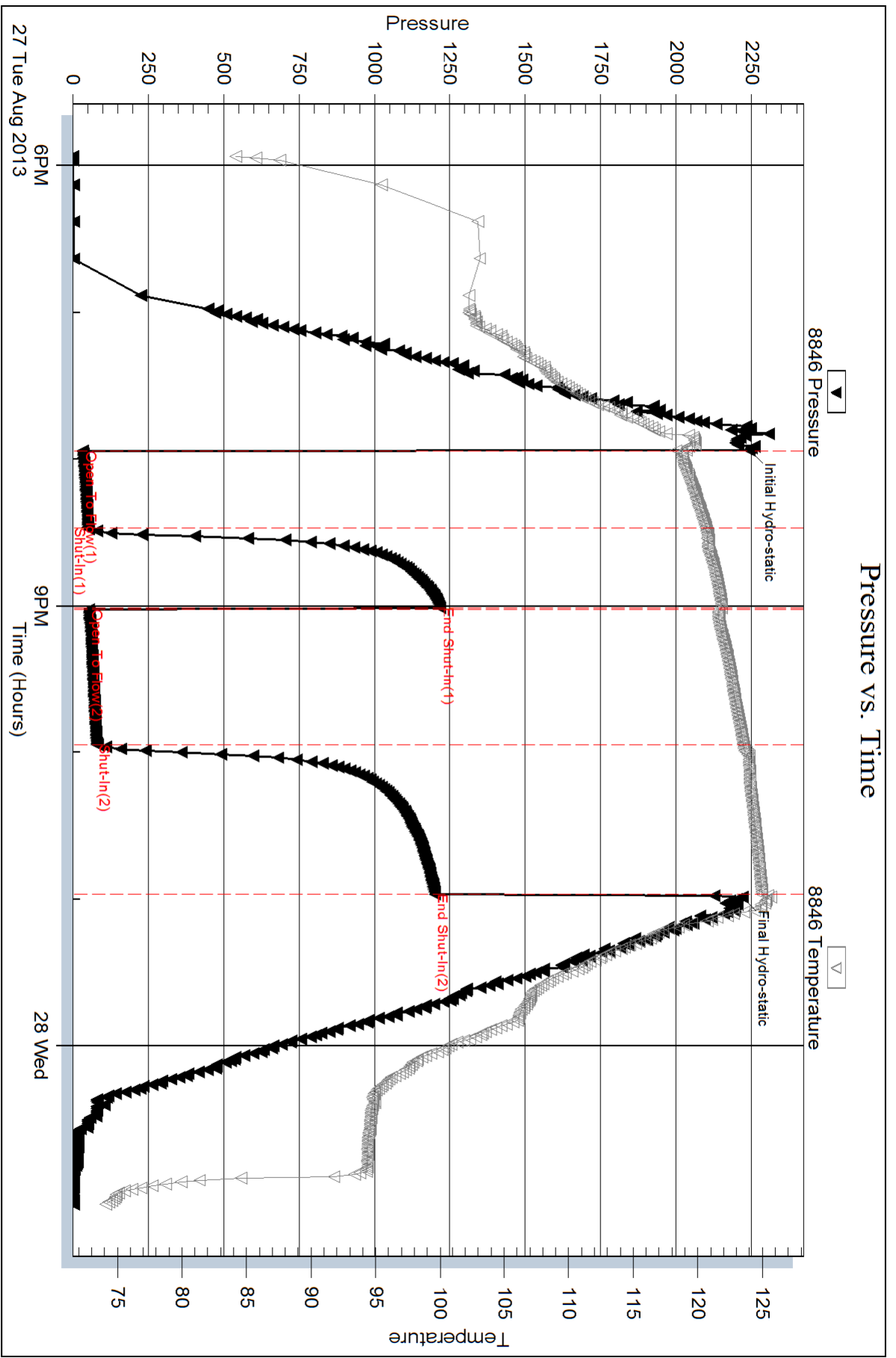
Serial #: 8846

Inside

Joe Gerstner Oil LLC

Bradshaw #1-21

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 52906

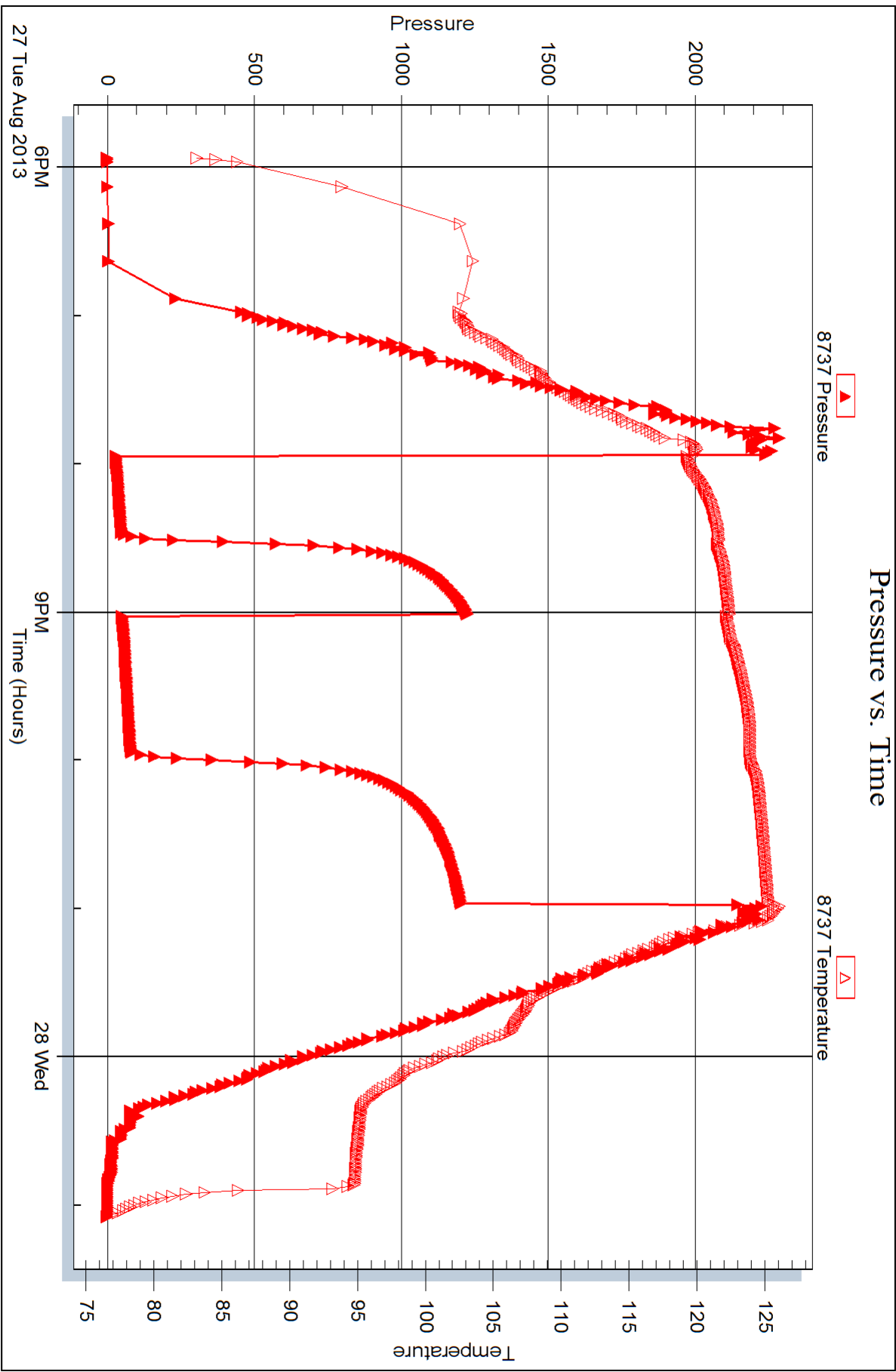
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Serial #: 8737

Outside Joe Gerstner Oil LLC

Bradshaw #1-21

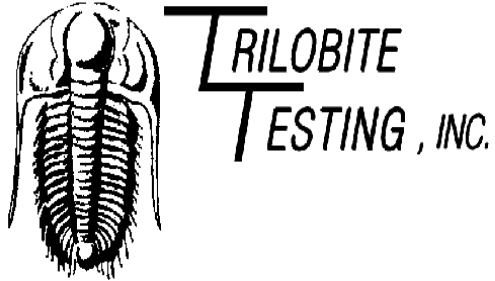
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 52906

Printed: 2013.09.03 @ 14:28:45



DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

PO Box 509
Ness City KS 67560

ATTN: Andrew Stenzel

Bradshaw #1-21

21-21s-23w Hodgeman,KS

Start Date: 2013.08.28 @ 08:38:15

End Date: 2013.08.28 @ 13:58:15

Job Ticket #: 52907 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.09.03 @ 14:28:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

21-21s-23w Hodgeman, KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52907

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2013.08.28 @ 08:38:15

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:21:15

Time Test Ended: 13:58:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4598.00 ft (KB) To 4606.00 ft (KB) (TVD)

Reference Elevations: 2385.00 ft (KB)

Total Depth: 4606.00 ft (KB) (TVD)

2378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8846 Outside

Press @ Run Depth: 25.13 psig @ 4599.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.28

End Date: 2013.08.28

Last Calib.: 2013.08.28

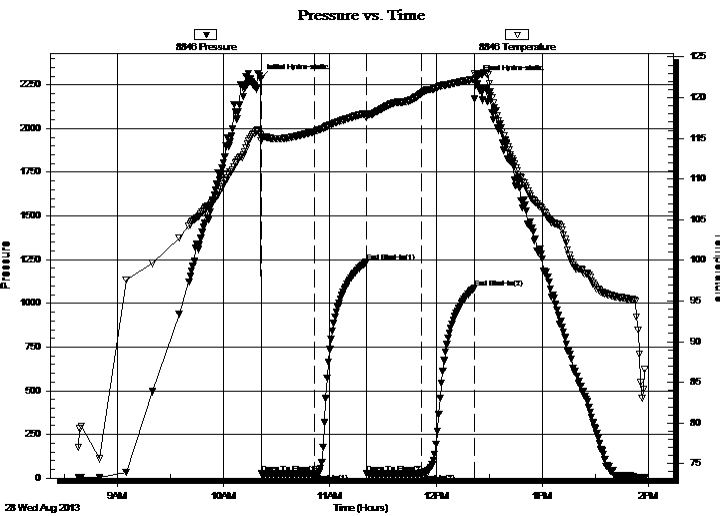
Start Time: 08:38:15

End Time: 13:58:15

Time On Btm: 2013.08.28 @ 10:21:00

Time Off Btm: 2013.08.28 @ 12:22:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2286.92	115.39	Initial Hydro-static
1	25.59	114.72	Open To Flow (1)
31	24.90	115.85	Shut-In(1)
60	1235.49	118.09	End Shut-In(1)
60	24.58	117.54	Open To Flow (2)
91	25.13	120.46	Shut-In(2)
121	1088.42	122.26	End Shut-In(2)
122	2283.12	122.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith trace of oil 100%m	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

21-21s-23w Hodgeman, KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52907

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2013.08.28 @ 08:38:15

Tool Information

Drill Pipe:	Length: 4602.00 ft	Diameter: 3.80 inches	Volume: 64.55 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4598.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4575.00	
Shut In Tool	5.00			4580.00	
Hydraulic tool	5.00			4585.00	
Jars	5.00			4590.00	
Safety Joint	3.00			4593.00	
Packer	5.00			4598.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4598.00	
Stubb	1.00			4599.00	
Recorder	0.00	8737	Inside	4599.00	
Recorder	0.00	8846	Outside	4599.00	
Perforations	2.00			4601.00	
Bullnose	5.00			4606.00	8.00 Anchor Tool

Total Tool Length: 32.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

21-21s-23w Hodgeman,KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52907

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2013.08.28 @ 08:38:15

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith trace of oil 100%m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

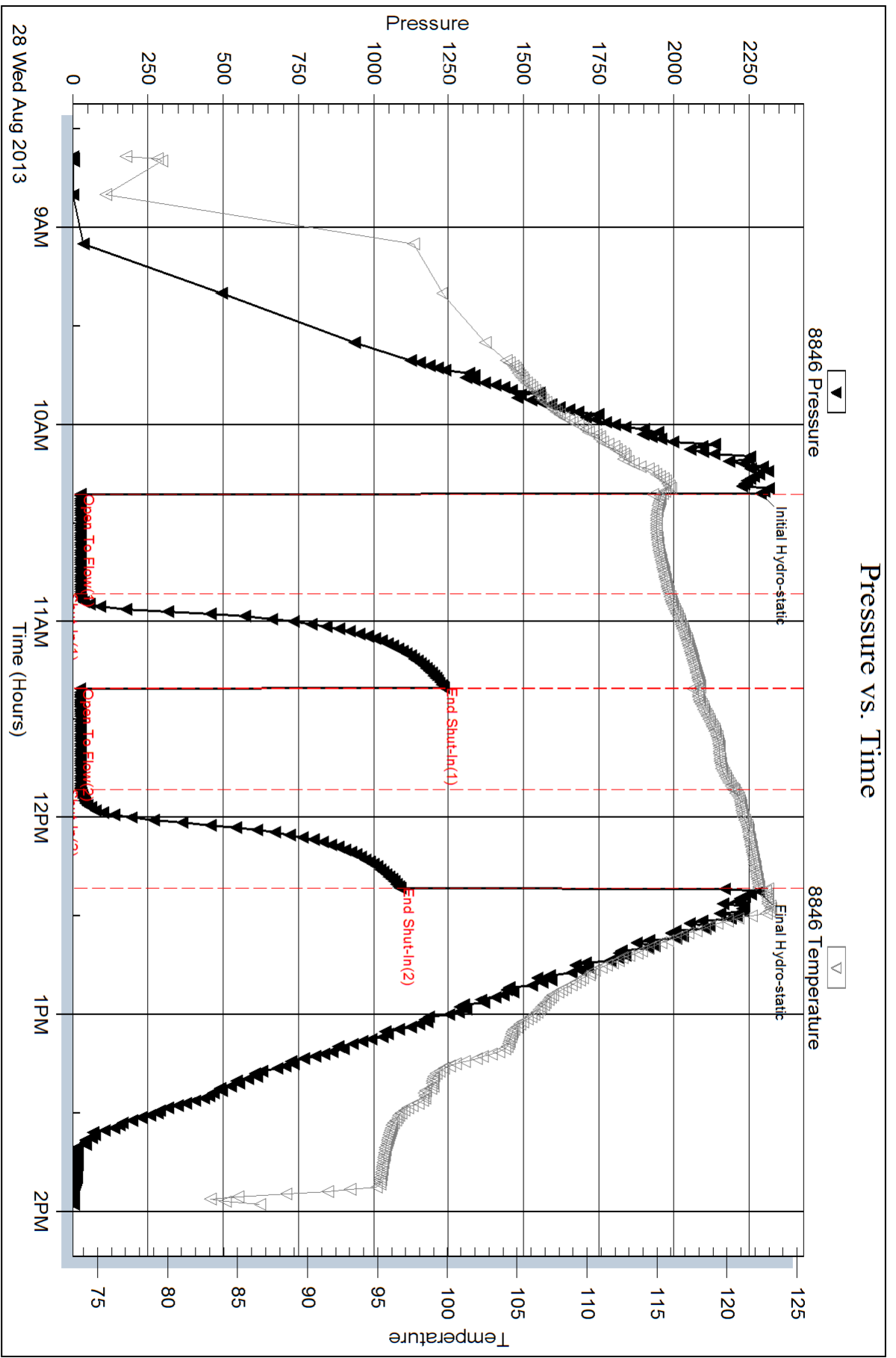
Recovery Comments:

Serial #: 8846

Outside Joe Gerstner Oil LLC

Bradshaw #1-21

DST Test Number: 3



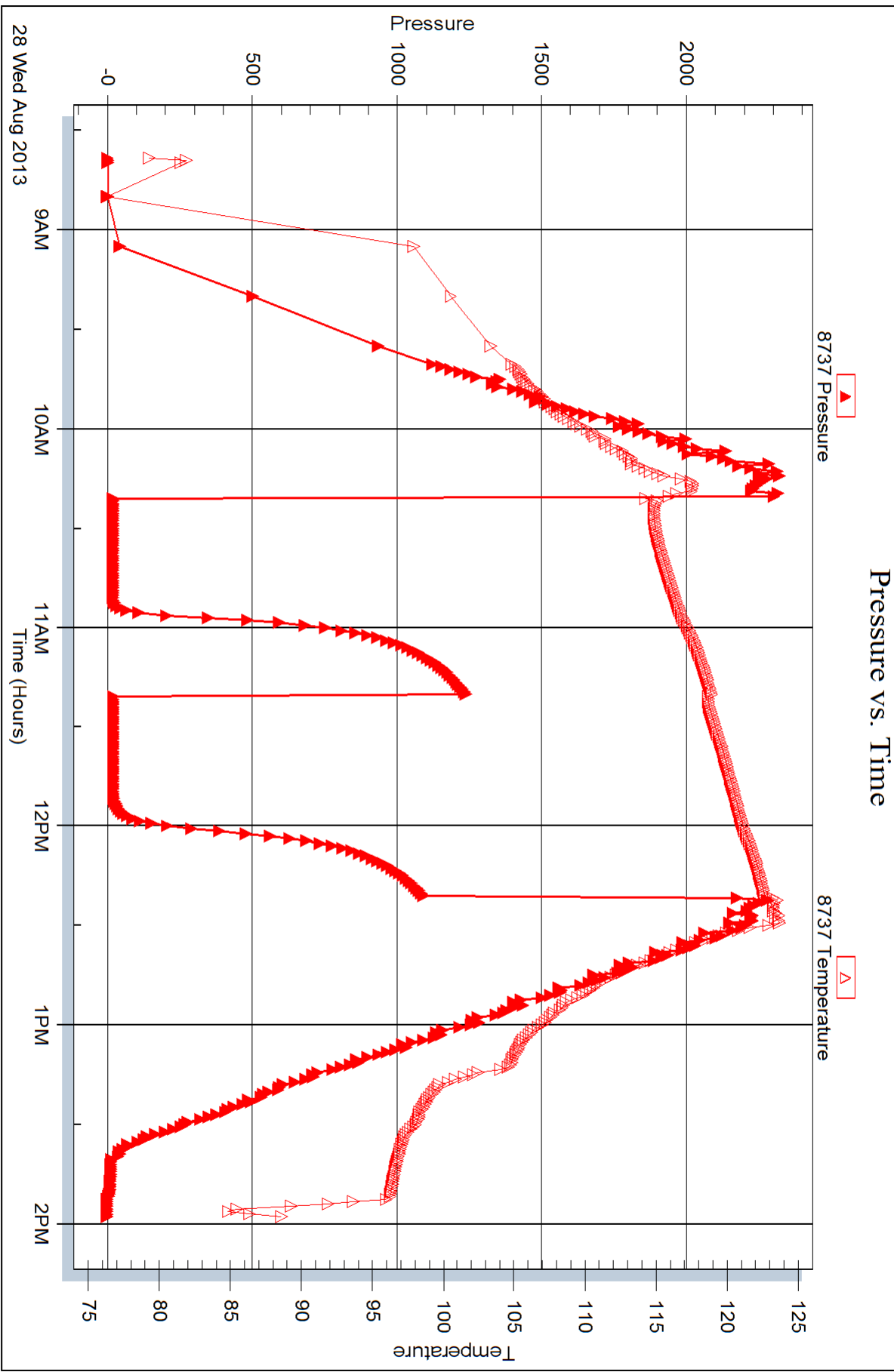
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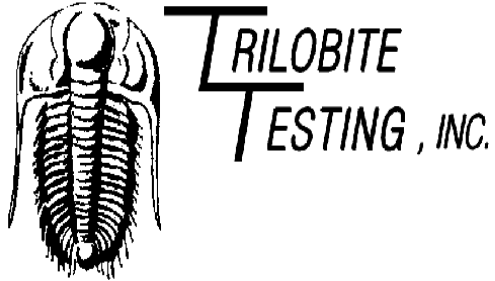
Inside

Joe Gerstner Oil LLC

Bradshaw #1-21

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

PO Box 509
Ness City KS 67560

ATTN: Andrew Stenzel

Bradshaw #1-21

21-21s-23w Hodgeman,KS

Start Date: 2013.08.28 @ 20:07:15

End Date: 2013.08.29 @ 01:57:30

Job Ticket #: 52908 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.09.03 @ 14:25:40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

21-21s-23w Hodgeman, KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52908

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2013.08.28 @ 20:07:15

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:51:30
 Time Test Ended: 01:57:30
 Interval: **4603.00 ft (KB) To 4616.00 ft (KB) (TVD)**
 Total Depth: 4616.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2385.00 ft (KB)
 2378.00 ft (CF)
 KB to GR/CF: 7.00 ft

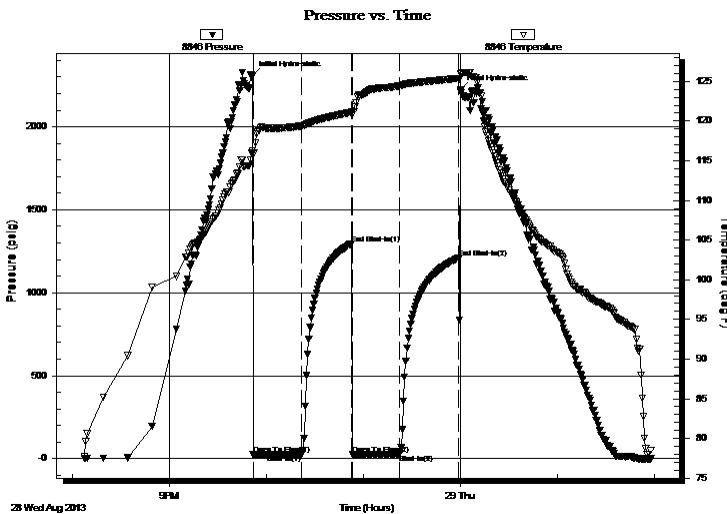
Serial #: 8846

Outside

Press @ Run Depth: 25.38 psig @ 4604.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.28 End Date: 2013.08.29 Last Calib.: 2013.08.29
 Start Time: 20:07:15 End Time: 01:57:30 Time On Btm: 2013.08.28 @ 21:51:15
 Time Off Btm: 2013.08.29 @ 00:00:00

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	2310.73	116.29	Initial Hydro-static
1	24.02	115.83	Open To Flow (1)
30	23.45	119.37	Shut-In(1)
61	1295.89	121.12	End Shut-In(1)
62	24.48	120.78	Open To Flow (2)
91	25.38	124.42	Shut-In(2)
128	1211.24	125.39	End Shut-In(2)
129	2226.41	126.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

21-21s-23w Hodgeman, KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52908

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2013.08.28 @ 20:07:15

Tool Information

Drill Pipe:	Length: 4600.00 ft	Diameter: 3.80 inches	Volume: 64.53 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4603.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4580.00	
Shut In Tool	5.00			4585.00	
Hydraulic tool	5.00			4590.00	
Jars	5.00			4595.00	
Safety Joint	3.00			4598.00	
Packer	5.00			4603.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4603.00	
Stubb	1.00			4604.00	
Recorder	0.00	8737	Inside	4604.00	
Recorder	0.00	8846	Outside	4604.00	
Perforations	7.00			4611.00	
Bullnose	5.00			4616.00	13.00 Anchor Tool

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

21-21s-23w Hodgeman,KS

PO Box 509
Ness City KS 67560

Bradshaw #1-21

Job Ticket: 52908

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2013.08.28 @ 20:07:15

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:

bbbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud	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:

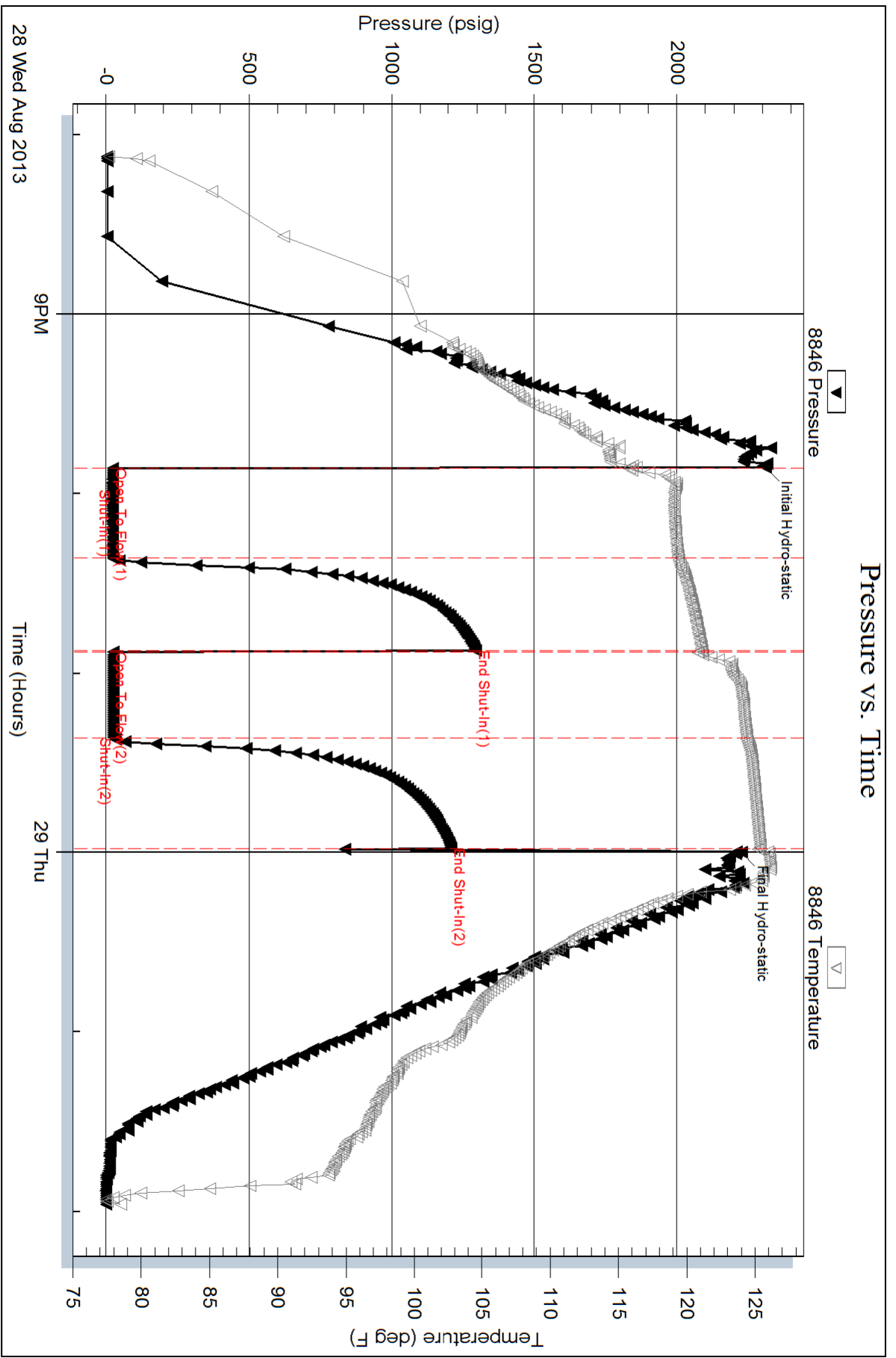
Recovery Comments:

Serial #: 8846

Outside Joe Gerstner Oil LLC

Bradshaw #1-21

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 52908

Printed: 2013.09.03 @ 14:25:42

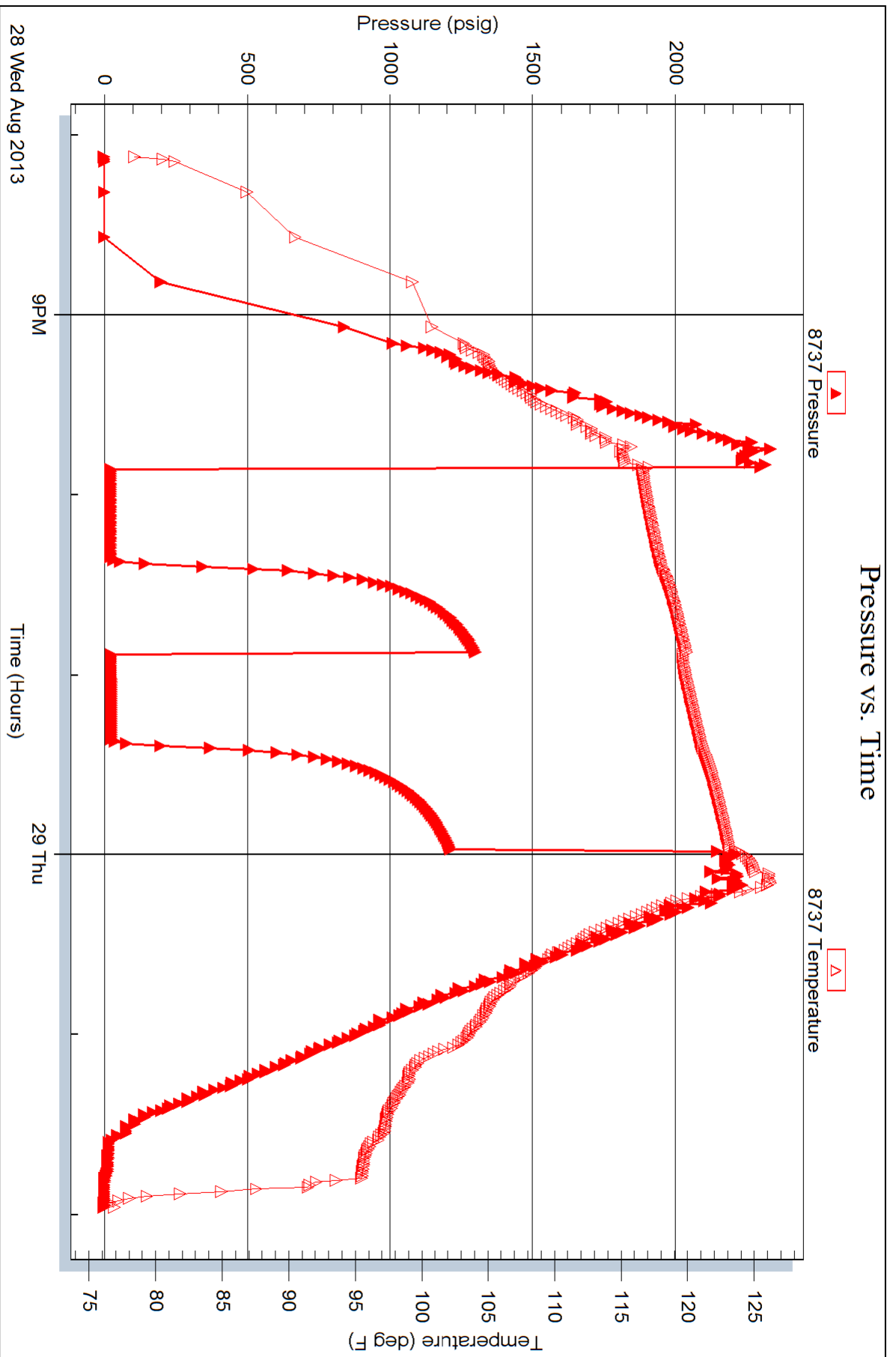
Serial #: 8737

Inside

Joe Gerstner Oil LLC

Bradshaw #1-21

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52905

Well Name & No. Bradshaw 1-21 Test No. 1 Date 8-26-13
 Company Joe Grestner Oil LLC Elevation 2385 KB 2378 GL
 Address P.O. Box 509 Ness City KS 67560
 Co. Rep / Geo. Andrew Stenzel Rig Pickrell 10
 Location: Sec. 21 Twp. 21 Rge. 23W Co. Hodgeman State KS

Interval Tested 4294-4430 Zone Tested Marmaton
 Anchor Length 136 Drill Pipe Run 4282 Mud Wt. 9.4
 Top Packer Depth 4290 Drill Collars Run Ø Vis 62
 Bottom Packer Depth 4286 Wt. Pipe Run Ø WL 10.8
 Total Depth 4430 Chlorides 3800 ppm System LCM 1

Blow Description IF: BOB in 5 min
FS: No Return Blow
FFB BOB in 5 min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>mud</u>				<u>100</u>
<u>496</u>	<u>wcm</u>		<u>20</u>		<u>80</u>
<u>620</u>	<u>SW</u>		<u>100</u>		

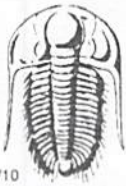
Rec Total 1426 BHT 130 Gravity ✓ API RW 256 @ 80° F Chlorides 24,000 ppm

(A) Initial Hydrostatic <u>2118</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>15:15</u>
(B) First Initial Flow <u>67</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:25</u>
(C) First Final Flow <u>417</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:55</u>
(D) Initial Shut-In <u>897</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>20:55</u>
(E) Second Initial Flow <u>430</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:03</u>
(F) Second Final Flow <u>647</u>	<input checked="" type="checkbox"/> Mileage <u>176 RT</u> 272.80	Comments _____
(G) Final Shut-In <u>889</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2100</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	Total <u>2097.80</u>
	Sub Total <u>2097.80</u>	MP/DST Disc't _____

Approved By _____ Our Representative Mike Roberts

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52906

Well Name & No. Bradshaw 1-21 Test No. 2 Date 8-27-13
 Company Joe Gerstner Oil LLC Elevation 2385 KB 2378 GL
 Address P.O. Box 509 Ness City KS 67560
 Co. Rep / Geo. Andrew Stenzel Rig Pickfell 10
 Location: Sec. 21 Twp. 21 Rge. 23w Co. Hodgeman State KS

Interval Tested 4522-4600 Zone Tested Miss
 Anchor Length 78 Drill Pipe Run 4507 Mud Wt. 9.2
 Top Packer Depth 4518 Drill Collars Run Ø Vis 52
 Bottom Packer Depth 4522 Wt. Pipe Run Ø WL 11.2
 Total Depth 4600 Chlorides 6000 ppm System LCM 1

Blow Description IF: Built to 4" Blow
FS: No Return Blow
FF: BOB in 39 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>124' GIP</u>	<u>100</u>			
<u>30</u>	<u>Free Oil</u>		<u>100</u>		
<u>62</u>	<u>gcmo</u>	<u>10</u>	<u>60</u>		<u>30</u>
<u>62</u>	<u>ocgm</u>	<u>10</u>	<u>5</u>		<u>85</u>

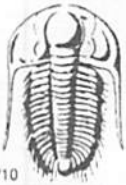
Rec Total _____ BHT 125 Gravity 36 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2242 Test 1250 T-On Location 17:45
 (B) First Initial Flow 33 Jars 250 T-Started 17:56
 (C) First Final Flow 50 Safety Joint 75 T-Open 19:57
 (D) Initial Shut-In 1219 Circ Sub NC T-Pulled 22:57
 (E) Second Initial Flow 54 Hourly Standby _____ T-Out 01:05
 (F) Second Final Flow 79 Mileage 176 RT 272.80
 (G) Final Shut-In 1198 Sampler _____
 (H) Final Hydrostatic 2220 Straddle _____

Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2097.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2097.80

Approved By Andrew Stenzel Our Representative Mike Rohlf

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52907

4/10

Well Name & No. Bradshaw # 1-21 Test No. 3 Date 8-28-13
 Company Joe Gerstner Oil LLC Elevation 2385 KB 2378 GL
 Address P.O. Box 509 Ness City KS 67560
 Co. Rep / Geo. Andrew Stenzel Rig Pickrell 10
 Location: Sec. 21 Twp. 21 Rge. 23w Co. Hodgeman State KS

Interval Tested 4598 - 4606 Zone Tested MISS
 Anchor Length 8' Drill Pipe Run 4602 Mud Wt. 9.2
 Top Packer Depth 4594 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 4598 Wt. Pipe Run 0 WL 11.2
 Total Depth 4606 Chlorides 6000 ppm System LCM 1

Blow Description IF: Built to Weak Surface Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD with trace of oil</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 127 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2286 Test 1250 T-On Location 07:55
 (B) First Initial Flow 25 Jars 250 T-Started 08:38
 (C) First Final Flow 24 Safety Joint 75 T-Open 10:21
 (D) Initial Shut-In 1235 Circ Sub NC T-Pulled 12:21
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 13:58
 (F) Second Final Flow 25 Mileage 176 RT 272.80 Comments _____
 (G) Final Shut-In 1088 Sampler _____
 (H) Final Hydrostatic 2283 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 30 Day Standby _____
 Final Shut-In 30 Accessibility _____
 Sub Total 2097.80

Approved By [Signature] Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52908

Well Name & No. Bradshaw #1-21 Test No. 4 Date 8-28-13
 Company Joe Gurstner Oil LLC Elevation 2385 KB 2378 GL
 Address P.O. Box 509 Ness City KS 67560
 Co. Rep / Geo. Andrew Stenzel Rig Pickrell 10
 Location: Sec. 21 Twp. 21 Rge. 23w Co. Hodgeman State KS

Interval Tested 4603-4614 Zone Tested Miss
 Anchor Length 13 Drill Pipe Run 4600 Mud Wt. 9.3
 Top Packer Depth 4599 Drill Collars Run Ø Vis 46
 Bottom Packer Depth 4603 Wt. Pipe Run Ø WL 10.4
 Total Depth 4614 Chlorides 4800 ppm System LCM 1
 Blow Description IF: Blow to 1/4" Blow
IS: No Return Blow
FF: NO Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</u>			<u>100</u>	
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 124 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2310</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>19:50</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:07</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:50</u>
(D) Initial Shut-In <u>1295</u>	<input checked="" type="checkbox"/> Circ Sub <u>NL</u>	T-Pulled <u>23:50</u>
(E) Second Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Hourly Standby <u>4</u>	T-Out <u>01:57</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>176 RT</u> x2 545.60	Comments <u>Geo Said done</u>
(G) Final Shut-In <u>1211</u>	<input type="checkbox"/> Sampler	<u>Logging - Waited 4</u>
(H) Final Hydrostatic <u>2226</u>	<input type="checkbox"/> Straddle	<u>HRS - To Load.</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2370.60</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2370.60</u>	

Approved By _____

Our Representative Mike Rohlf

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ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTH LAKE, TEXAS 76092

DATE	8-20-13	SEC	a1	TWP	a1	RANGE	a3	CALL OUT	7:00 PM	ON LOCATION	10:00 PM	JOB START	11:00 PM	JOB FINISH	12:00 AM	COUNTY	Hogewon	STATE	Kr
LEASE	Burdaw																		
WELL #	1 x1																		
LOCATION	Sector 2 East South into																		

CONTRACTOR Phase 10 Surface OWNER Scm

TYPE OF JOB	Surface																		
HOLE SIZE	14"																		
CASING SIZE	8 5/8"																		
DEPTH 8AC	175'																		
DEPTH 20A2	370'																		
TUBING SIZE	3"																		
DRILL PIPE	3"																		
TOOL	POZ MIX																		
DEPTH	175'																		
MINIMUM	175'																		
MEAS. LINE	POZ MIX																		
SHOE JOINT	POZ MIX																		
CEMENT LEFT IN CSG	15'																		
PERTS.	POZ MIX																		
DISPLACEMENT	13'																		
EQUIPMENT	POZ MIX																		

PUMP TRUCK	CEMENTER	<u>Tom Burden</u>
# 316	HELPER	<u>Kevin Edg</u>
# 549-198	DRIVER	<u>Don Compa</u>
BULK TRUCK	DRIVER	
# 549-198	DRIVER	
BULK TRUCK	DRIVER	
# 549-198	DRIVER	

REMARKS:
 Run 200' of 8 5/8" casing. Pump 5 hrs. H=20. Mixed 175' run. Clean # 370' 20' H=20. Pumped to 20' H=20.
 Cement in casing
 Cement in casing
 Charge to: Tom Burden Oil LLC

DEPTH OF JOB	200'
PUMP TRUCK CHARGE	1512.25
EXTRA FOOTAGE	
MILEAGE HWM 20	7.20
MILEAGE HWM 20	154.00
MANIFOLD	4.40
	88.00
TOTAL	1754.25

PLUG & FLOAT EQUIPMENT

CITY _____ STATE _____ ZIP _____

STREET _____

CHARGE TO: Tom Burden Oil LLC

TERMS AND CONDITIONS "listed on the reverse side."
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Mike Kohn SIGNATURE X Mike Kohn

SALES TAX (If Any) _____

TOTAL CHARGES 6,257.26

DISCOUNT 1,251.45

IF PAID IN 30 DAYS 5,005.80



CHARGE TO: SWIFT GERSTNER OIL
 ADDRESS:
 CITY, STATE, ZIP CODE

TICKET

PAGE 1 OF

SERVICE LOCATIONS
 1. NESS CITY, KS.
 2.
 3.
 4. REFERRAL LOCATION

WELL/PROJECT NO. BRADSHAW COUNTY/PARISH HOOGEMAN STATE KS. CITY SEWINDRE, KS DATE 11/5/13 OWNER
 TICKET TYPE SERVICE SALES CONTRACTOR LOETHA FORK WELL SERV RIG NAME/NO. ARLDICE SHIPPED VIA DELIVERED TO ORDER NO.
 WELL TYPE OIL WELL CATEGORY DEVELOPMENT JOB PURPOSE ARLDICE WELL PERMIT NO. WELL LOCATION N. to V. 2E 25E/0.10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	DIS. UN. DECIDED	DIS. AGREE	UNIT PRICE	AMOUNT
		LOC	ACCT	TYPE									
500					MILEAGE 115	30	mi					180	180
501					PUMP CHANGE	1	hr					650	650
305					NICD 20%	350	gal	15%				4187	1457
235					TRAINING	1	hr					40	40
231					AS-1	2	hr					22	44
236					AS-2	1	hr					32	32
232					MUSCL	10	hr					24	240

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 11/5/13 TIME SIGNED: 1715 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 2685
 TAX
 TOTAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR: [Signature] APPROVAL
 Thank You!



TICKET

CHARGE TO: Joe Coarstner C-1
 ADDRESS:
 CITY, STATE, ZIP CODE:

PAGE 1 OF 1

WELL PROJECT NO: #1
 CONTRACTOR: Bradshaw
 COUNTY/PARISH: Hedge man
 STATE: KS
 DATE: 10 SEP 13
 OWNER: 10 SEP 13
 TICKET TYPE: SERVICE SALES
 WELLS: oil
 WELL CATEGORY: Development
 WELL PURPOSE: acidize pays
 WELL PERMIT NO: 21-21-23
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC	ACCT D-	DESCRIPTION	MILEAGE	CITY	UM	QTY	UNIT PRICE	AMOUNT	CITY	UM	QTY	DIS- UN- DECIDED	DIS- AGREE
000		1		TRX 115		20	mi		6.00	120.00					
501		1		Pump Charge		1	hr		650.00	650.00					
303		1		MCA ACID		15	gals	280	235	387.00					
232		1		MUSOL		5	gal		24.00	120.00					
235		1		Inhib - 1		1	gal		40.00	40.00					
221		1		KCh liquid		1	gal		25.00	175.00					

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: [Signature] TIME SIGNED: [Signature] A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO

PAGE TOTAL: 1692.30

TAX

TOTAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

Thank You!

JOE GERSTNER OIL LLC

WellSight Systems

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

Measured Depth Log

Well Name: Bradshaw 1-21

Location: 21-21S-23W(Hodgeman County)

License Number: 15-083-21896

Spud Date: 8-21-13

Region: KANSAS

Drilling Completed: 8-30-13

Surface Coordinates: 2065' FNL & 1556' FWL NW SW SE NW

Bottom Hole

Coordinates:

Ground Elevation (ft): 2378

K.B. Elevation (ft): 2385

Logged Interval (ft): 3600

To: TD

Total Depth (ft): 4706

Formation:

Type of Drilling Fluid: Mud-Co Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Joe Gerstner Oil, LLC

Address: PO Box 509

Ness City, KS 67560

GEOLOGIST

Name: Andrew Stenzel

Company:

Address: 515 S. Franklin

Ness City, KS 67560

Formation Tops

Sample Tops

Anhy.	1620 (+765)
Base Anhy.	1652 (+733)
Heebner	3905 (-1520)
Lansing	3956 (-1571)
Stark Sh.	4221 (-1836)
BKC	4329 (-1944)
Marmaton	4341 (-1956)
Ft. Scott	4583 (-2198)
Cher. Sh.	4510 (-2125)
Miss.	4583 (-2198)
Miss. Por	4587 (-2202)
RTD	4706 (-2321)

LogTops

Anhy.	1626 (+758)
Base Anhy.	1650 (+734)
Heebner	3902 (-1518)
Lansing	3955 (-1572)
Stark Sh.	4257 (-1873)
BKC	4322 (-1938)
Marmaton	4337 (-1953)
Ft. Scott	4482 (-2098)
Cher. Sh.	4506 (-2123)
Miss.	4582 (-2198)
Miss. Por	4588 (-2204)
LTD	4708 (-2324)

Drilling Report

DAILY DRILLING REPORT:

8-21-13 MIRU Spud
8-22-13 Drilling @ 1786'
8-23-13 Drilling @ 2662'
8-25-13 Drilling @ 3913'
8-26-13 Drilling @ 4930', DST1
8-27-13 4530'
8-28-13 Drilling @ 4600', DST2
8-29-13 Drilling @ 4606', DST3, DST4
8-30-13 Drilling @ 4706', Logged, Ran 5 1/2" casing

Misc. Info.

RIG: Pickrell Rig 10

MUD: MUDCO

LOGS: Nabors (CND, DIL, & Micro)

Comments

SURFACE Casing: 8 5/8" set at 218'

Production Casing: 113 jts of new 5 1/2, 14# casing 10' off bottom. Port collar at 1595'.

DST 1 4294-4430

30-30-30-30

IF: BOB in 5"

IS: Dead

FF: BOB in 5"

FS: Dead

Rec. 1426' fluid

310' mud

496' wcm

620' sw

Flow Pressures 67-417. 430-648

Shut in Pressures

897-889

Hydrostatic Pressures

2118-2101

DST2 4522-4600

30-30-60-60

IF: 1/4" built to 4"

IS: Dead

FF: 1/4" built to BOB in 39"

FS: Dead

Rec. 278' fluid

124' GIP

30' free oil

62' GCMO (10%g, 30%m, 60%o)

62' OCGM (5%o, 10%g, 85%m)

Flow Pressures 34-51, 54-80

Shut in Pressures

1220-1199

Hydrostatic Pressures
2242-2220

DST#3 4598-4606

30-30-30-30

IF: Weak surface blow, died

IS: Dead

FF: Dead

FS: Dead

Rec.

10' mud w trace of oil spots

Flow Pressures 26-25, 24-25

Shut in Pressures 1235-1088

Hydrostatic 2287-2283

DST#4 4604-4616

30-30-30-30

IF: Built to 1/4"

IS: Dead

FF: Dead

FS: Dead

Rec.

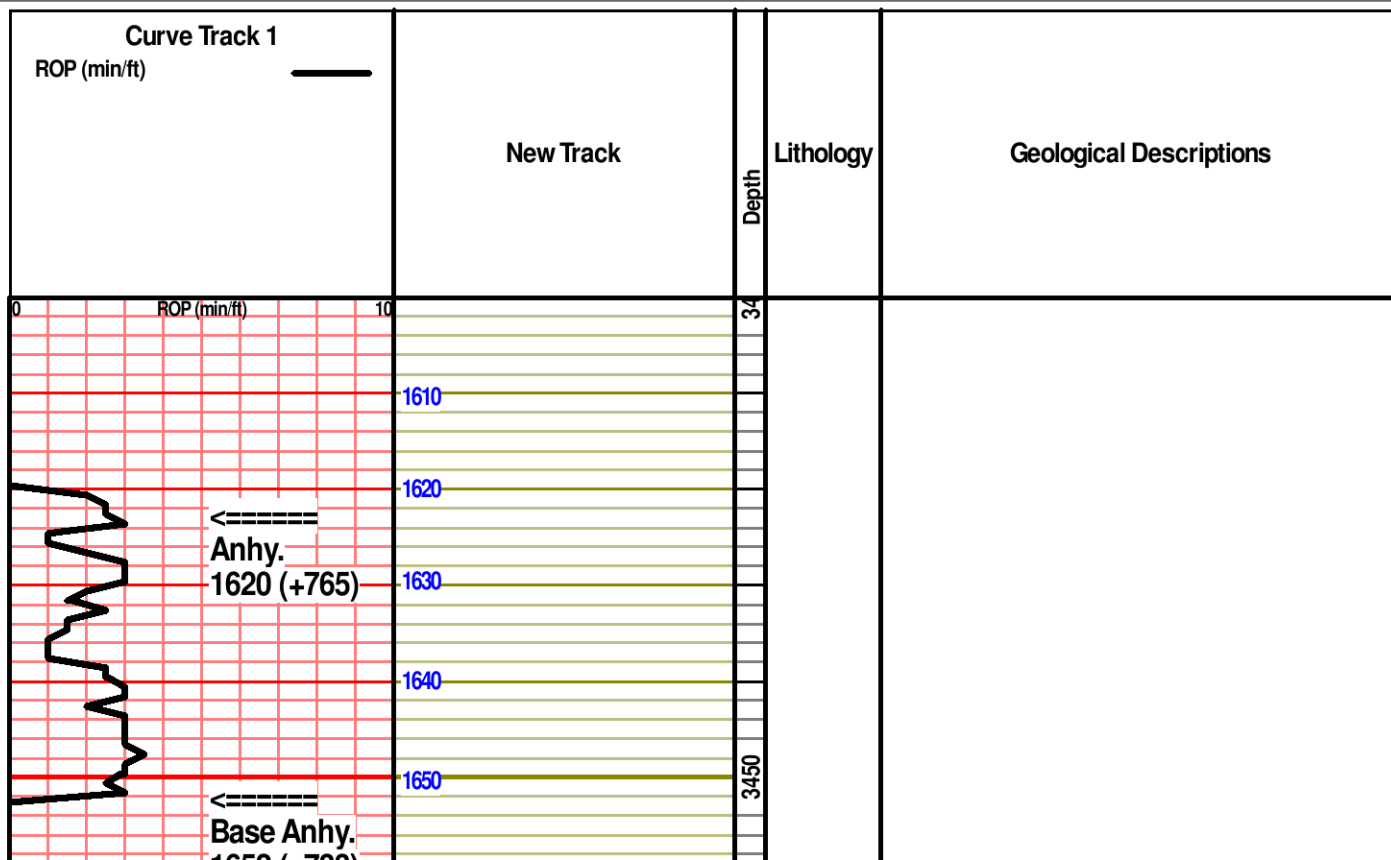
15' mud

Flow Pressures 24-23, 24-25

Shut in Pressures 1296-1211

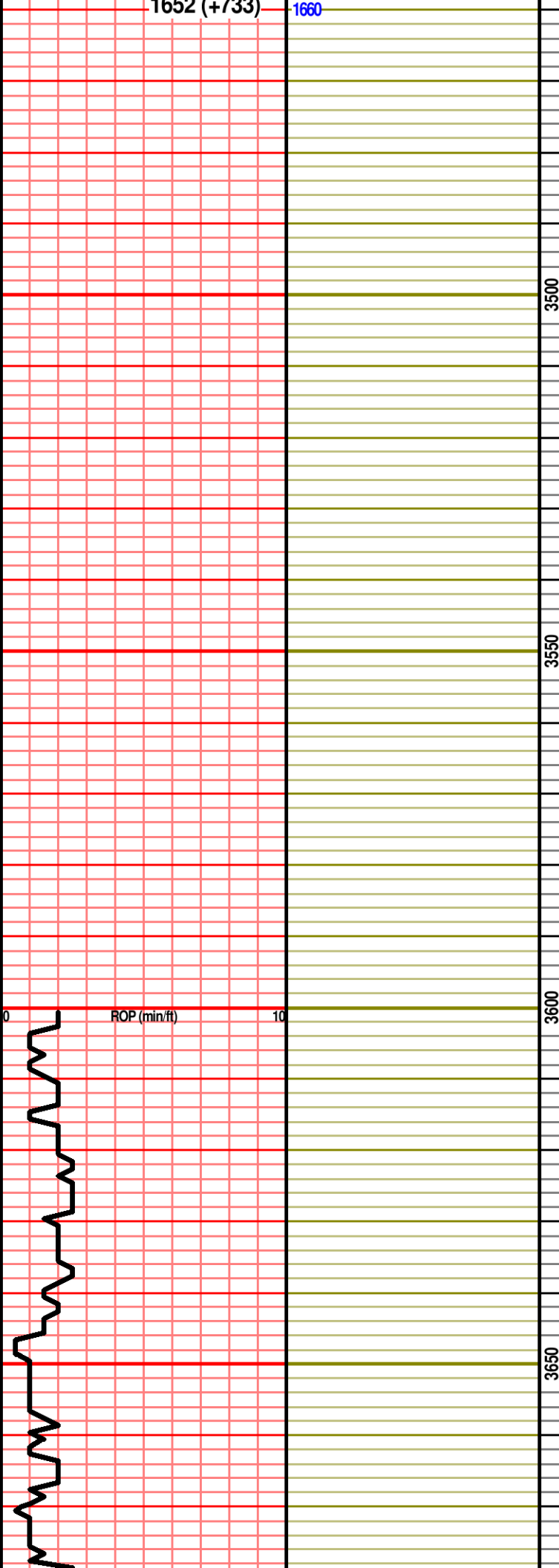
Hydrostatic 2311-2226

ROCK TYPES



1652 (+733)

1660



3500

3550

3600

3650

ROP (min/ft)

0

10

Ls., crm, fnxln, dns, bri ip, n/s

Ls., aa

Ls., tn-crm, vfn-fnxln, dns, hd, sli chlky, n/s

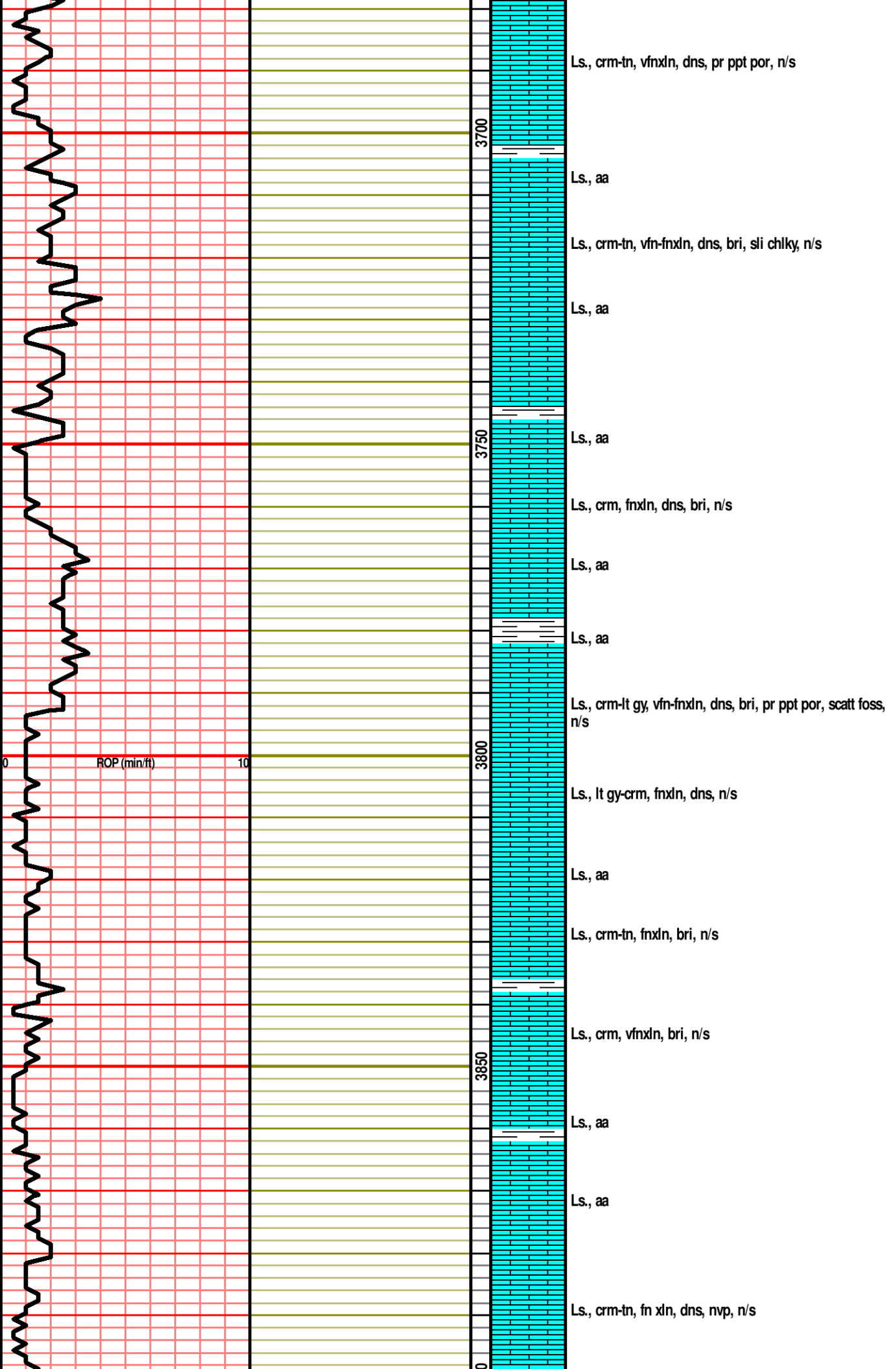
Ls., crm, vfn-fnxln, dns, bri, n/s

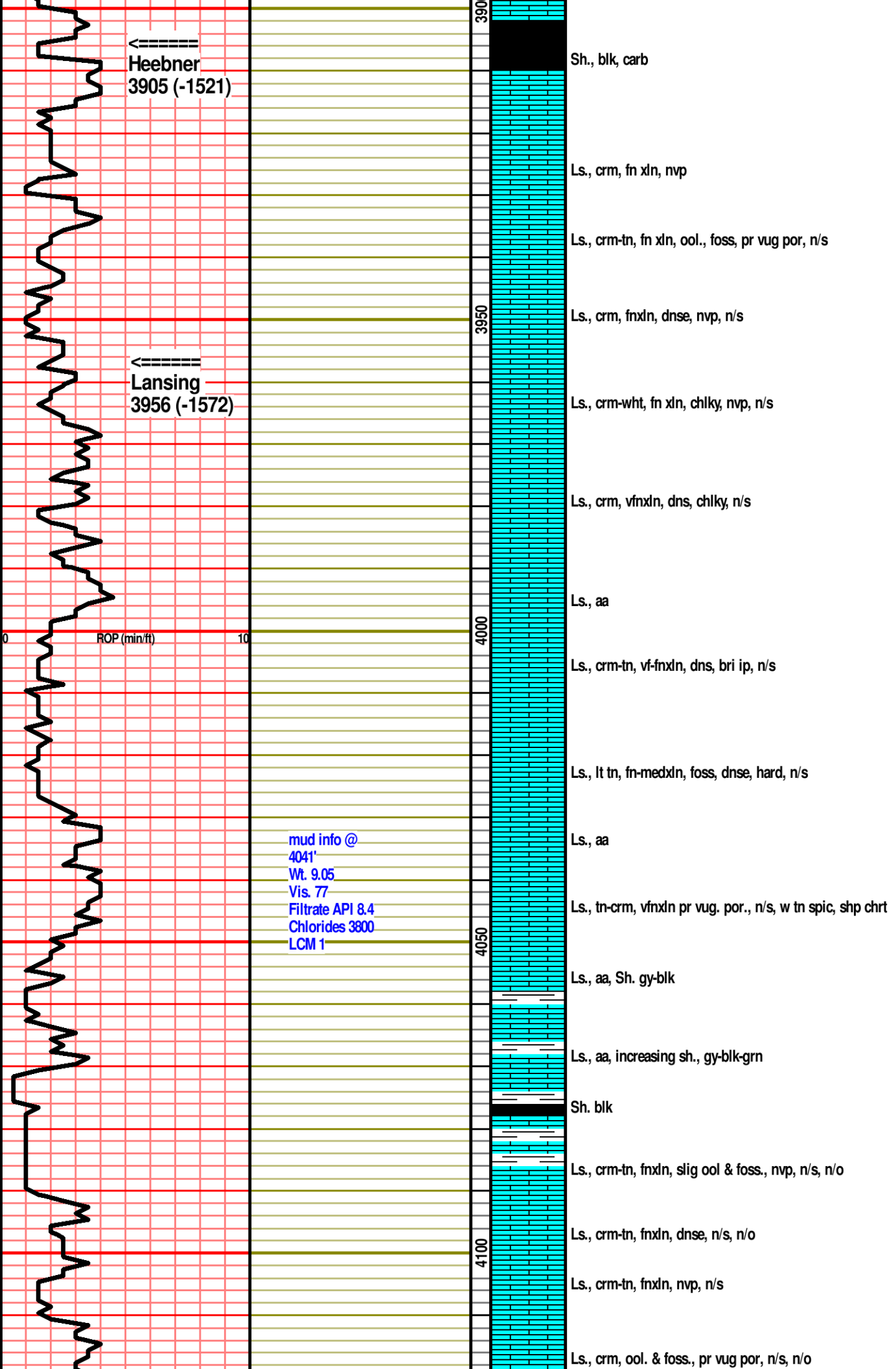
Ls., aa

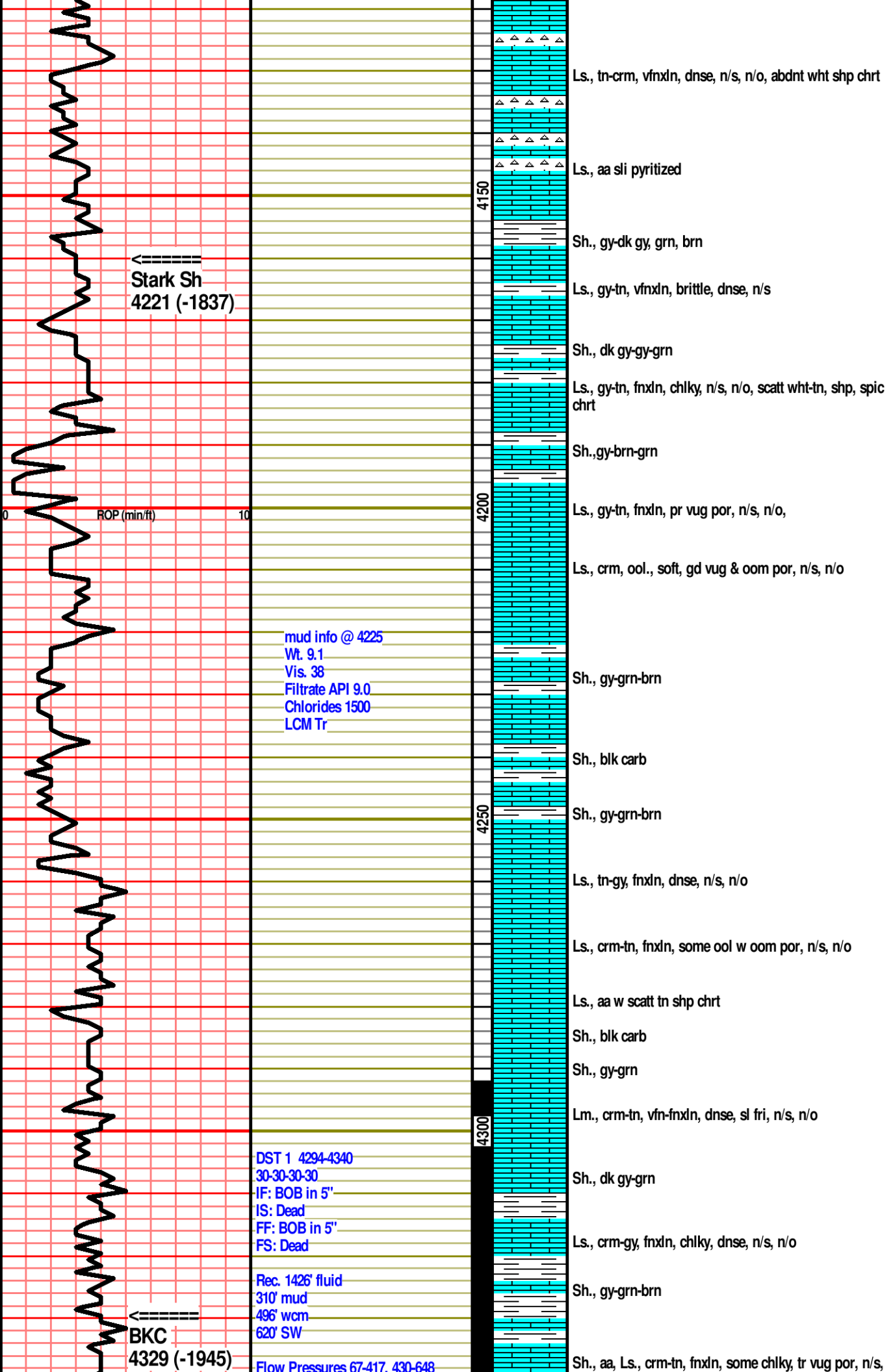
Ls., crm-lt gy, vfnln, dns, hd, scatt ooids, n/s

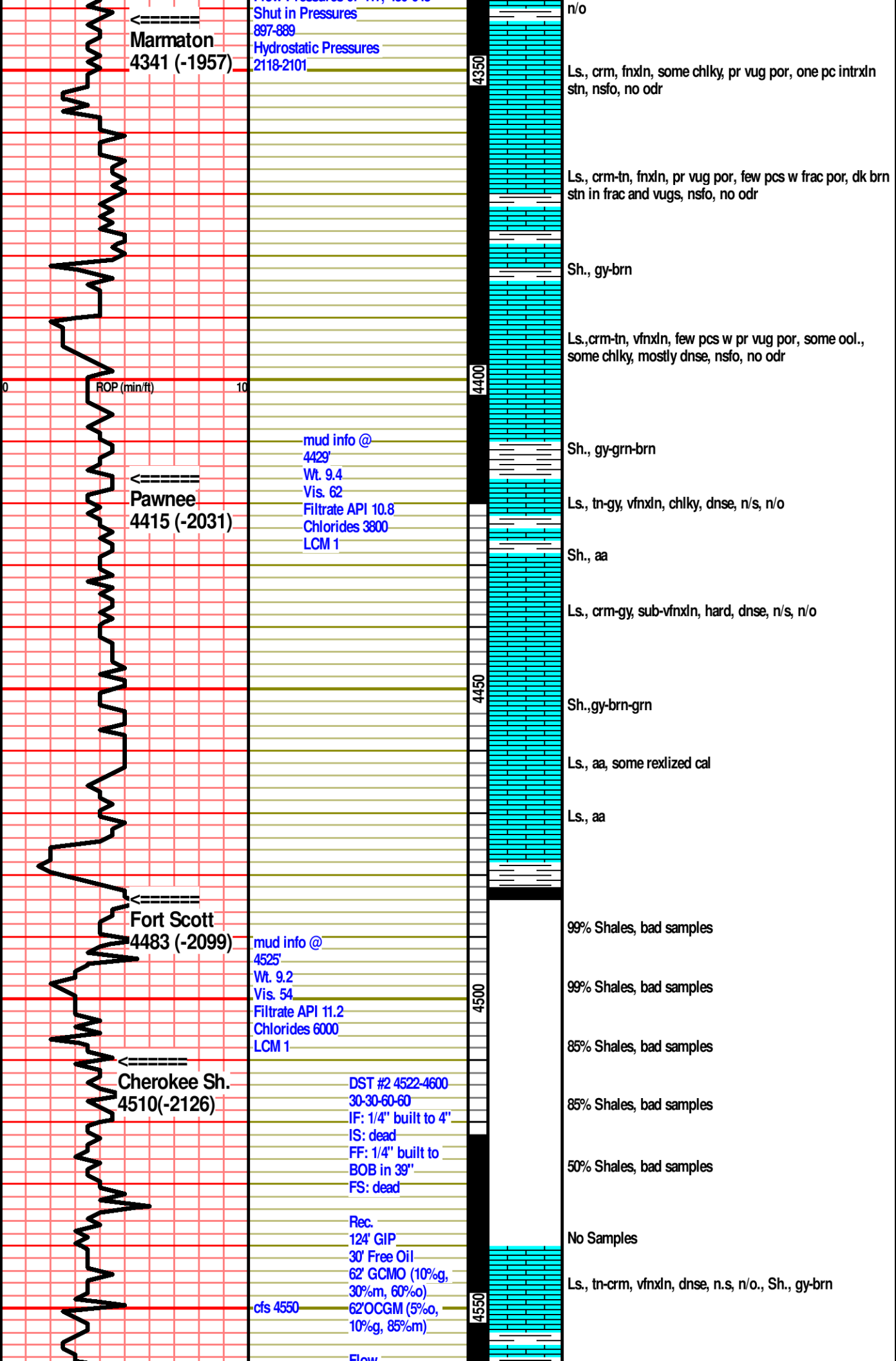
Ls., crm-gy, fnxln, dns, hd, n/s

Ls., crm, vfnln, bri, n/s









Marmaton
4341 (-1957)

Shut in Pressures
897-889
Hydrostatic Pressures
2118-2101

Pawnee
4415 (-2031)

mud info @
4429'
Wt. 9.4
Vis. 62
Filtrate API 10.8
Chlorides 3800
LCM 1

Fort Scott
4483 (-2099)

mud info @
4525'
Wt. 9.2
Vis. 54
Filtrate API 11.2
Chlorides 6000
LCM 1

Cherokee Sh.
4510(-2126)

DST #2 4522-4600
30-30-60-60
IF: 1/4" built to 4"
IS: dead
FF: 1/4" built to
BOB in 39"
FS: dead

Rec.
124' GIP
30' Free Oil
62' GCMO (10%g,
30%o, 60%o)
62' OCGM (5%o,
10%g, 85%o)

cfs 4550

n/o

Ls., crm, fnxn, some chlky, pr vug por, one pc intrxn
stn, nsfo, no odr

Ls., crm-tn, fnxn, pr vug por, few pcs w frac por, dk brn
stn in frac and vugs, nsfo, no odr

Sh., gy-brn

Ls., crm-tn, vfnxn, few pcs w pr vug por, some ool.,
some chlky, mostly dnse, nsfo, no odr

Sh., gy-grn-brn

Ls., tn-gy, vfnxn, chlky, dnse, n/s, n/o

Sh., aa

Ls., crm-gy, sub-vfnxn, hard, dnse, n/s, n/o

Sh., gy-brn-grn

Ls., aa, some rexized cal

Ls., aa

99% Shales, bad samples

99% Shales, bad samples

85% Shales, bad samples

85% Shales, bad samples

50% Shales, bad samples

No Samples

Ls., tn-crm, vfnxn, dnse, n.s, n/o., Sh., gy-brn

ROP (min/ft)

4350
4400
4450
4500
4550

