

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	HEARTLAND-SCHEUERMAN UNIT 1-24
Doc ID	1415522

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	HEARTLAND-SCHEUERMAN UNIT 1-24
Doc ID	1415522

Tops

Name	Top	Datum
B/Anhydrite	2328	+658
Heebner	3910	-924
Lansing	3951	-965
Mun Cr Sh	4139	-1153
Marmaton 'B'	4360	-1374
Marmaton 'C'	4391	-1405
Marmaton 'D'	4412	-1426
Pawnee	4438	-1452
Fort Scott	4469	-1483
Cher Sh	4489	-1503
John Zone	4546	-1560
Mw Sh	4592	-1606
BPS	4606	-1620
Miss	4615	-1629



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp.**

1625 N Waterfront Pkwy
Wichita, KS 67206

ATTN: Dave Goldak

24-17s-32w Scott,KS

Heartland - Scheuerman #1-24

Start Date: 2018.06.18 @ 16:31:00

End Date: 2018.06.19 @ 04:07:15

Job Ticket #: 63692 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.06.19 @ 14:01:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp.
 1625 N Waterfront Pkw y
 Wichita, KS 67206
 ATTN: Dave Goldak

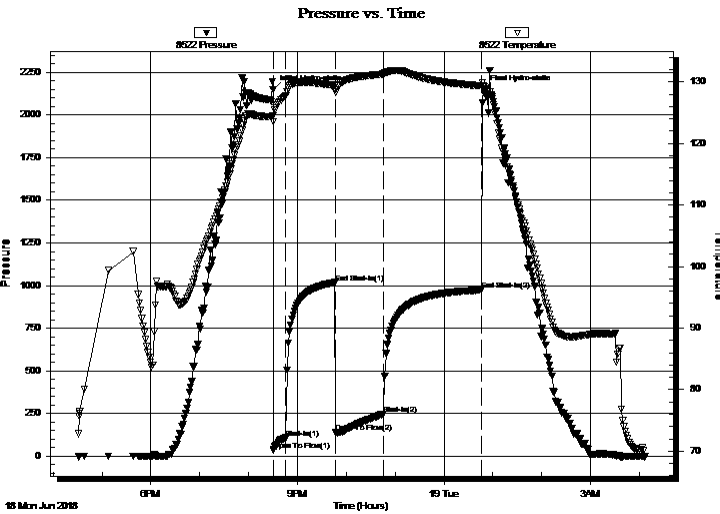
Heartland - Scheuerman #1-24
24-17s-32w Scott,KS
 Job Ticket: 63692 **DST#: 2**
 Test Start: 2018.06.18 @ 16:31:00

GENERAL INFORMATION:

Formation: **Marmaton C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:30:15
 Time Test Ended: 04:07:15
 Interval: **4382.00 ft (KB) To 4399.00 ft (KB) (TVD)**
 Total Depth: 4690.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2986.00 ft (KB)
 2975.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8522 Outside
 Press@RunDepth: 248.23 psig @ 4383.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.06.18 End Date: 2018.06.19 Last Calib.: 2018.06.19
 Start Time: 16:31:05 End Time: 04:07:15 Time On Btm: 2018.06.18 @ 20:30:00
 Time Off Btm: 2018.06.19 @ 00:49:00

TEST COMMENT: IF: BOB @ 4 min built to 31"
 IS: BOB @ 40 min built to 46"
 FF: BOB @ 5 min, Built to 76"
 FS: BOB @ 18 min. Built to 100"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.07	124.56	Initial Hydro-static
1	34.19	123.58	Open To Flow (1)
16	107.61	127.79	Shut-In(1)
77	1018.12	129.43	End Shut-In(1)
77	140.30	128.74	Open To Flow (2)
137	248.23	131.28	Shut-In(2)
256	973.95	129.37	End Shut-In(2)
259	2146.29	129.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	gsmco 30g 3m 67o	6.18
0.00	950' 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.
 1625 N Waterfront Pkwy
 Wichita, KS 67206
 ATTN: Dave Goldak

Heartland - Scheuerman #1-24
24-17s-32w Scott,KS
 Job Ticket: 63692 **DST#: 2**
 Test Start: 2018.06.18 @ 16:31:00

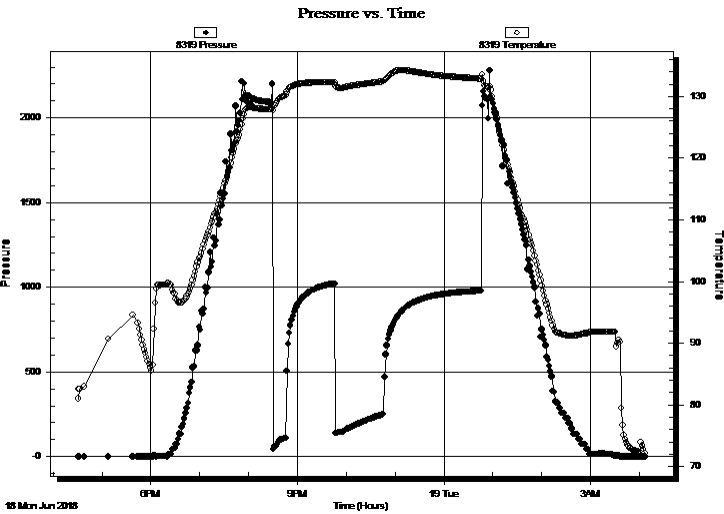
GENERAL INFORMATION:

Formation: **Marmaton C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:30:15
 Time Test Ended: 04:07:15
 Interval: **4382.00 ft (KB) To 4399.00 ft (KB) (TVD)**
 Total Depth: 4690.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2986.00 ft (KB)
 2975.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4383.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.06.18 End Date: 2018.06.19 Last Calib.: 1899.12.30
 Start Time: 16:31:05 End Time: 04:07:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 4 min built to 31"
 IS: BOB @ 40 min built to 46"
 FF: BOB @ 5 min, Built to 76"
 FS: BOB @ 18 min. Built to 100"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
620.00	gsmco 30g 3m 67o	6.18
0.00	950' 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.

Heartland - Scheuerman #1-24

1625 N Waterfront Pkwy
Wichita, KS 67206

24-17s-32w Scott,KS

Job Ticket: 63692

DST#: 2

ATTN: Dave Goldak

Test Start: 2018.06.18 @ 16:31:00

Tool Information

Drill Pipe:	Length: 4110.00 ft	Diameter: 3.80 inches	Volume: 57.65 bbl	Tool Weight:	2500.00 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: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	37.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4382.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	4396.00 ft				
Interval between Packers:	14.00 ft				
Tool Length:	341.00 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			4350.00	
Shut In Tool	5.00			4355.00	
Sampler	2.00			4357.00	
Hydraulic tool	5.00			4362.00	
Jars	5.00			4367.00	
EM tool	4.00			4371.00	
Safety Joint	2.00			4373.00	
Packer	5.00			4378.00	33.00 Bottom Of Top Packer
Packer	4.00			4382.00	
Stubb	1.00			4383.00	
Recorder	0.00	8319	Inside	4383.00	
Recorder	0.00	8522	Outside	4383.00	
Perforations	12.00			4395.00	
Blank Off Sub	1.00			4396.00	14.00 Tool Interval
Packer	3.00			4399.00	
Blank Spacing	1.00			4400.00	
Perforations	1.00			4401.00	
Change Over Sub	1.00			4402.00	
Recorder	0.00	8845	Below	4402.00	
Drill Pipe	284.00			4686.00	
Change Over Sub	1.00			4687.00	
Bullnose	3.00			4690.00	294.00 Bottom Packers & Anchor

Total Tool Length: 341.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp.

Heartland - Scheuerman #1-24

1625 N Waterfront Pkwy
Wichita, KS 67206

24-17s-32w Scott,KS

Job Ticket: 63692

DST#: 2

ATTN: Dave Goldak

Test Start: 2018.06.18 @ 16:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
620.00	gsmco 30g 3m 67o	6.183
0.00	950' GIP	0.000

Total Length: 620.00 ft Total Volume: 6.183 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

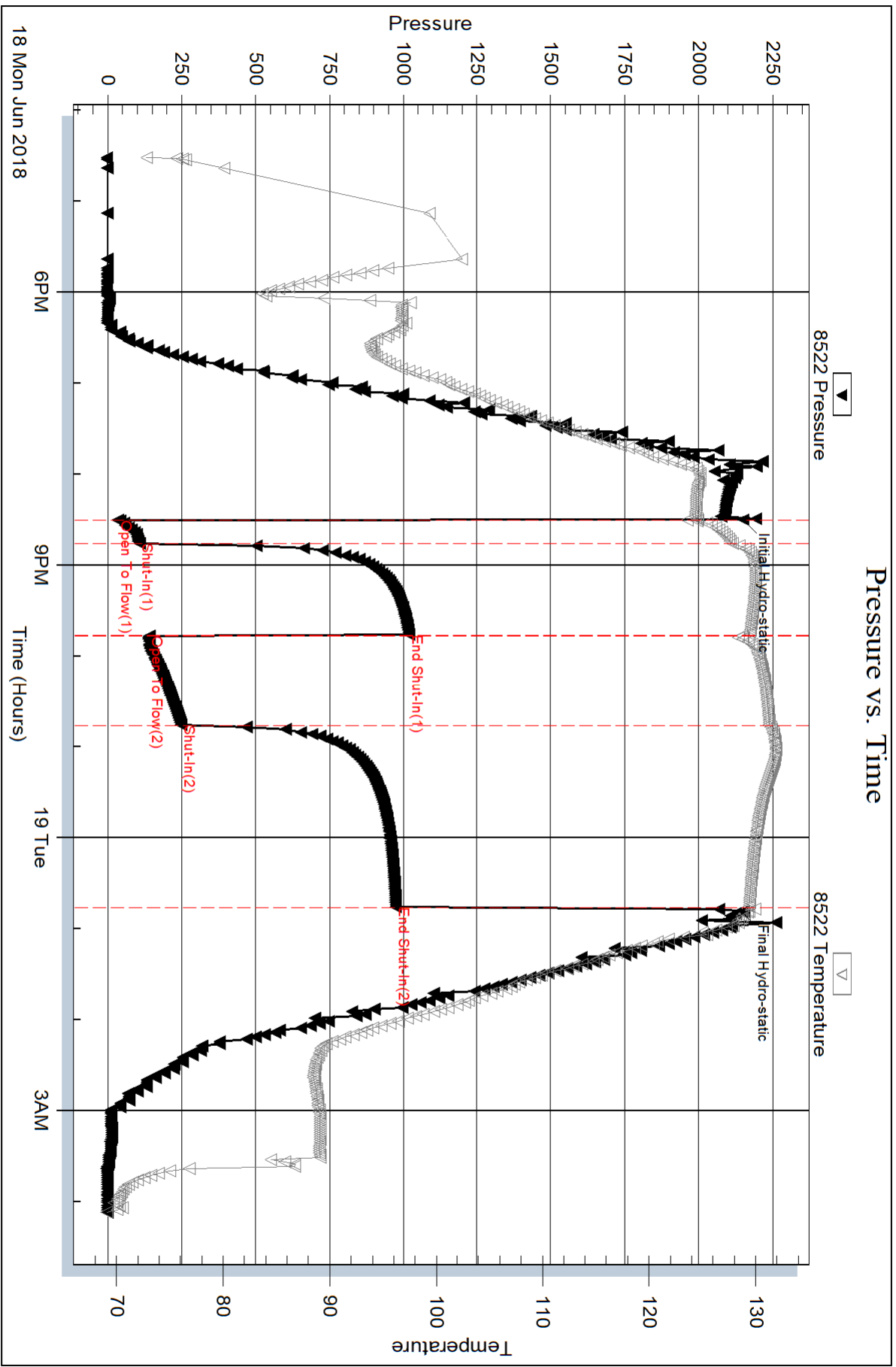
Recovery Comments: sampler 1000ml oil , 1000ml Gas , 3 cuft Gas @ 230 psi

Serial #: 8522

Outside Stebar Oil Corp.

24-17s-32w Scott, KS

DST Test Number: 2

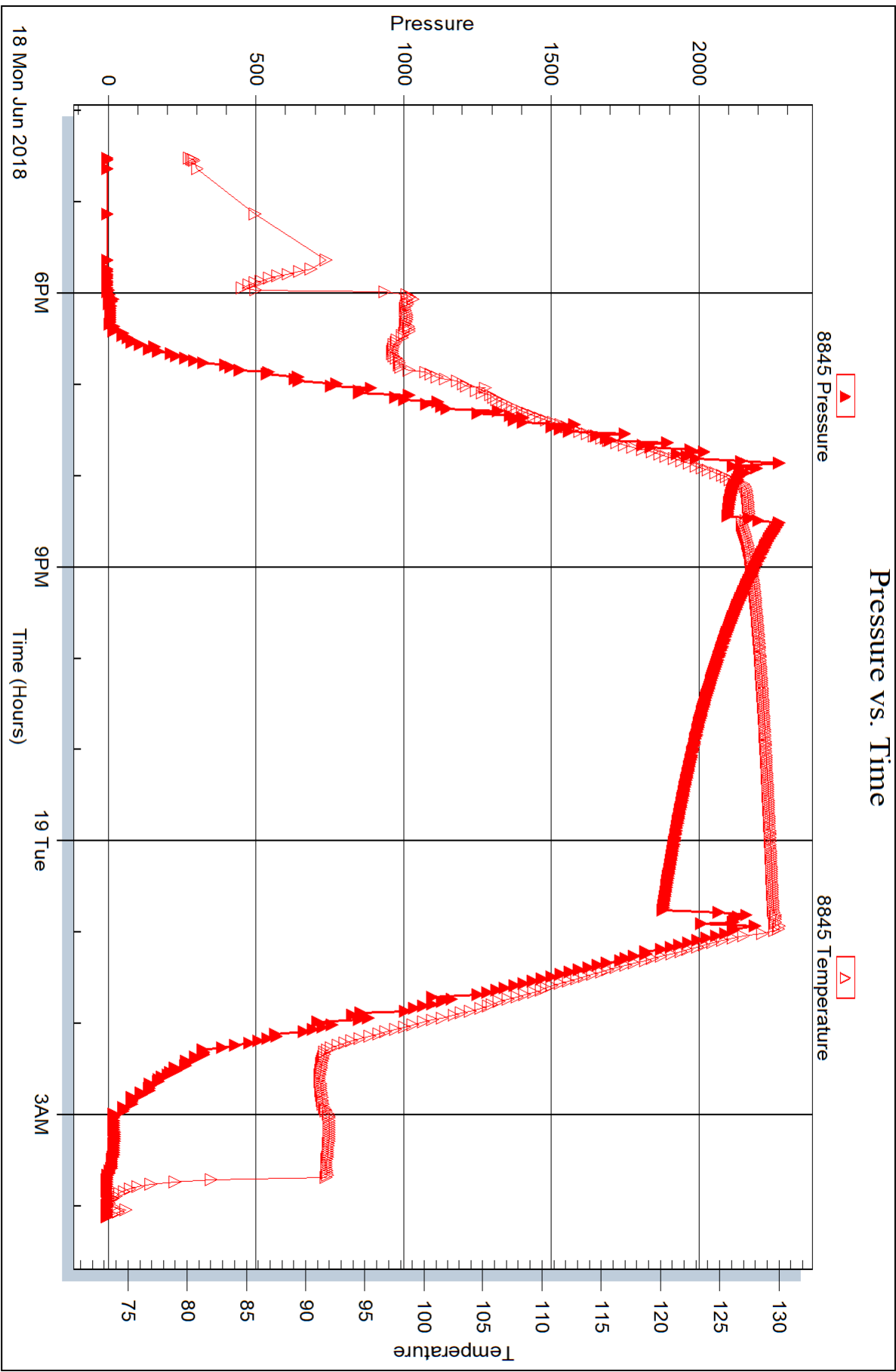


Serial #: 8845

Below (Stratfield) Oil Corp.

24-17s-32w Scott KS

DST Test Number: 2



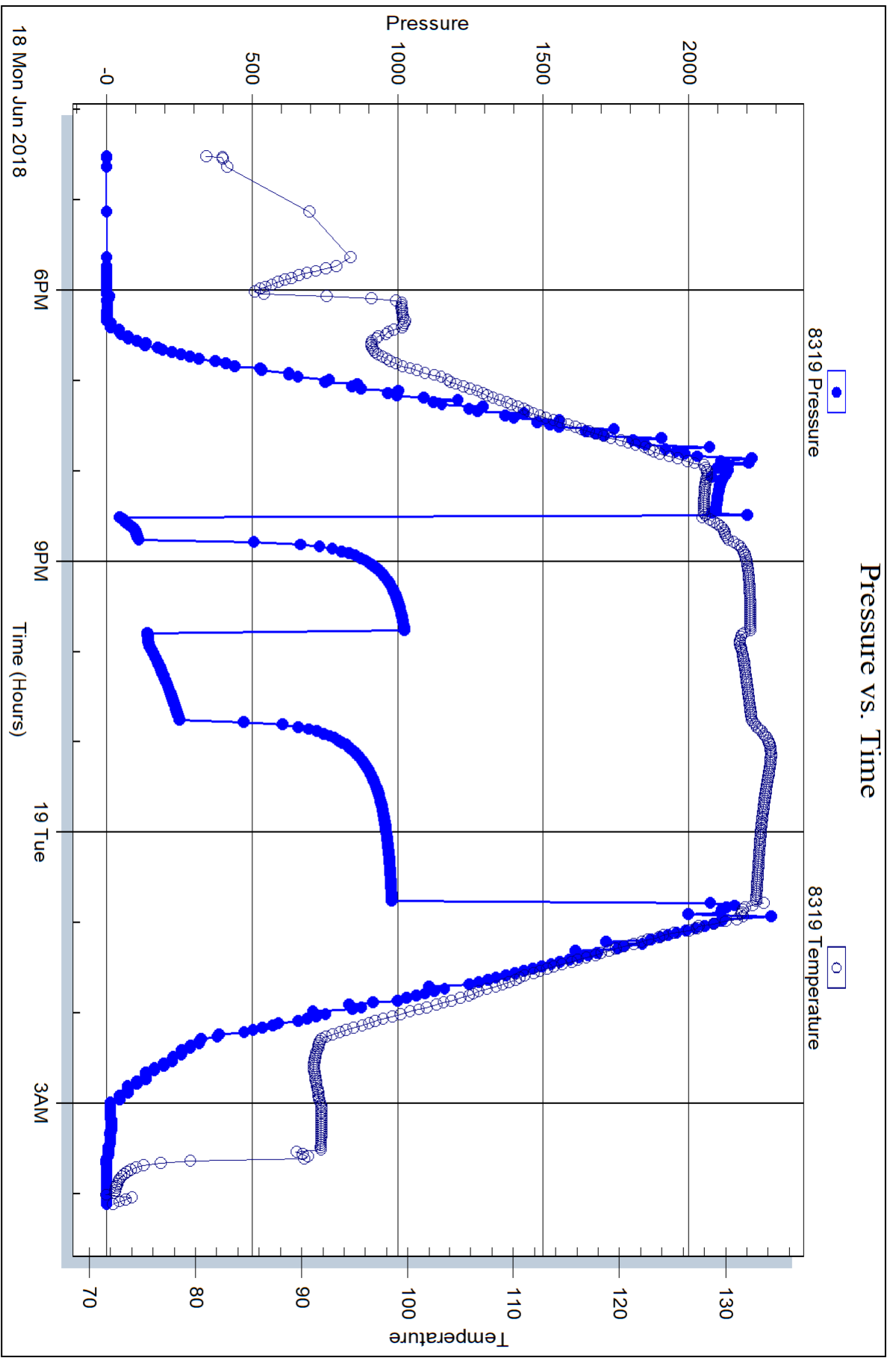
Serial #: 8319

Inside

Stelbar Oil Corp.

24-17s-32w Scott, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63692

Printed: 2018.06.19 @ 14:01:27



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp.**

1625 N Waterfront Pkwy
Wichita, KS 67206

ATTN: Dave Goldak

24-17s-32w Scott,KS

Heartland - Scheuerman #1-24

Start Date: 2018.06.17 @ 00:10:00

End Date: 2018.06.17 @ 10:48:30

Job Ticket #: 63691 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.06.19 @ 14:01:51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stelbar Oil Corp.
1625 N Waterfront Pkw y
Wichita, KS 67206
ATTN: Dave Goldak

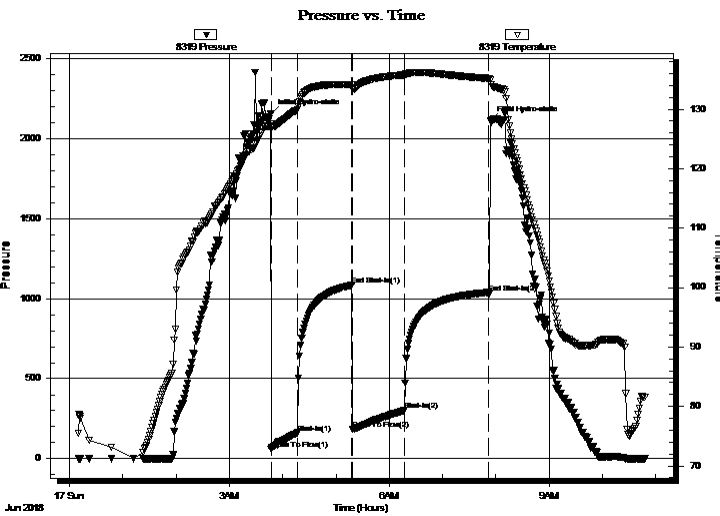
Heartland - Scheuerman #1-24
24-17s-32w Scott,KS
Job Ticket: 63691 **DST#: 1**
Test Start: 2018.06.17 @ 00:10:00

GENERAL INFORMATION:

Formation: **Marmaton C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:47:00
Time Test Ended: 10:48:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 78
Interval: **4382.00 ft (KB) To 4400.00 ft (KB) (TVD)**
Reference Elevations: 2986.00 ft (KB)
Total Depth: 4400.00 ft (KB) (TVD) 2975.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8319 Outside
Press@RunDepth: 301.36 psig @ 4383.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.06.17 End Date: 2018.06.17 Last Calib.: 2018.06.17
Start Time: 00:10:05 End Time: 10:48:30 Time On Btm: 2018.06.17 @ 03:46:45
Time Off Btm: 2018.06.17 @ 07:54:00

TEST COMMENT: IF BOB @ 2 min. built to 67'.
IS: BOB @ 15 min. built to 18"
FF: BOB @ 9 min. built to 70"
FS: BOB @ 23 min. 26" of return.



PRESSURE SUMMARY

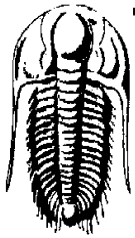
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.23	127.54	Initial Hydro-static
1	56.70	126.84	Open To Flow (1)
30	160.83	129.90	Shut-In(1)
91	1084.57	134.18	End Shut-In(1)
92	183.37	133.56	Open To Flow (2)
151	301.36	135.75	Shut-In(2)
246	1038.95	135.17	End Shut-In(2)
248	2114.40	134.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
760.00	gsmco 35g 3m 62o	8.15
0.00	1260' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp.
1625 N Waterfront Pkwy
Wichita, KS 67206
ATTN: Dave Goldak

Heartland - Scheuerman #1-24
24-17s-32w Scott, KS
Job Ticket: 63691 **DST#: 1**
Test Start: 2018.06.17 @ 00:10:00

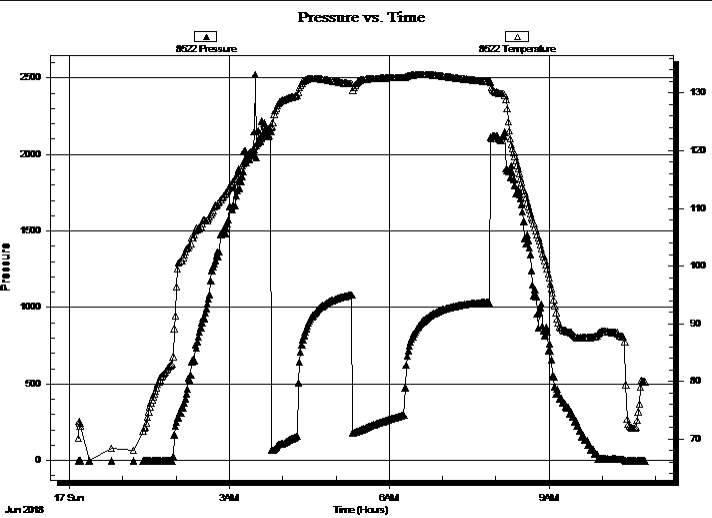
GENERAL INFORMATION:

Formation: Marmaton C	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 03:47:00	Tester: Bradley Walter
Time Test Ended: 10:48:30	Unit No: 78
Interval: 4382.00 ft (KB) To 4400.00 ft (KB) (TVD)	Reference Elevations: 2986.00 ft (KB)
Total Depth: 4400.00 ft (KB) (TVD)	2975.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good
	KB to GR/CF: 11.00 ft

Serial #: 8522 Inside

Press@RunDepth: psig @ 4383.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2018.06.17 End Date: 2018.06.17	Last Calib.: 2018.06.17
Start Time: 00:10:05 End Time: 10:48:30	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF BOB @ 2 min. built to 67'.
 IS: BOB @ 15 min. built to 18"
 FF: BOB @ 9 min. built to 70"
 FS: BOB @ 23 min. 26" of return.



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

Recovery		
Length (ft)	Description	Volume (bbl)
760.00	gsmco 35g 3m 62o	8.15
0.00	1260' GIP	0.00

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp.

Heartland - Scheuerman #1-24

1625 N Waterfront Pkwy
Wichita, KS 67206

24-17s-32w Scott,KS

Job Ticket: 63691

DST#: 1

ATTN: Dave Goldak

Test Start: 2018.06.17 @ 00:10:00

Tool Information

Drill Pipe:	Length: 4103.00 ft	Diameter: 3.80 inches	Volume: 57.55 bbl	Tool Weight: 2500.00 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: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 58.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4382.00 ft			Final 66000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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	
Recorder	0.00	8522	Inside	4383.00	
Recorder	0.00	8319	Outside	4383.00	
Perforations	14.00			4397.00	
Bullnose	3.00			4400.00	18.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp.

Heartland - Scheuerman #1-24

1625 N Waterfront Pkwy
Wichita, KS 67206

24-17s-32w Scott,KS

Job Ticket: 63691

DST#: 1

ATTN: Dave Goldak

Test Start: 2018.06.17 @ 00:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
760.00	gsmco 35g 3m 62o	8.147
0.00	1260' GIP	0.000

Total Length: 760.00 ft Total Volume: 8.147 bbl

Num Fluid Samples: 0

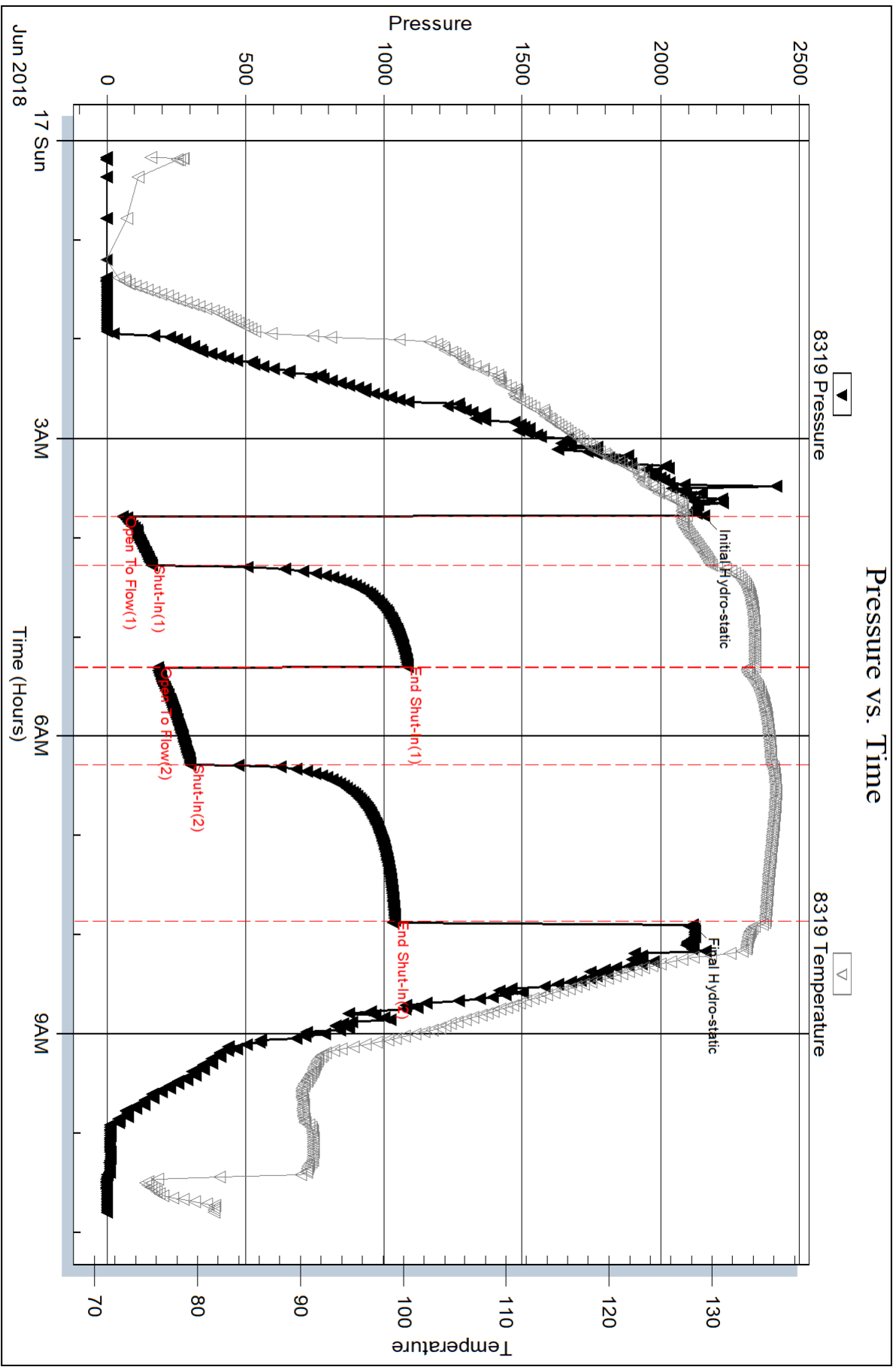
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



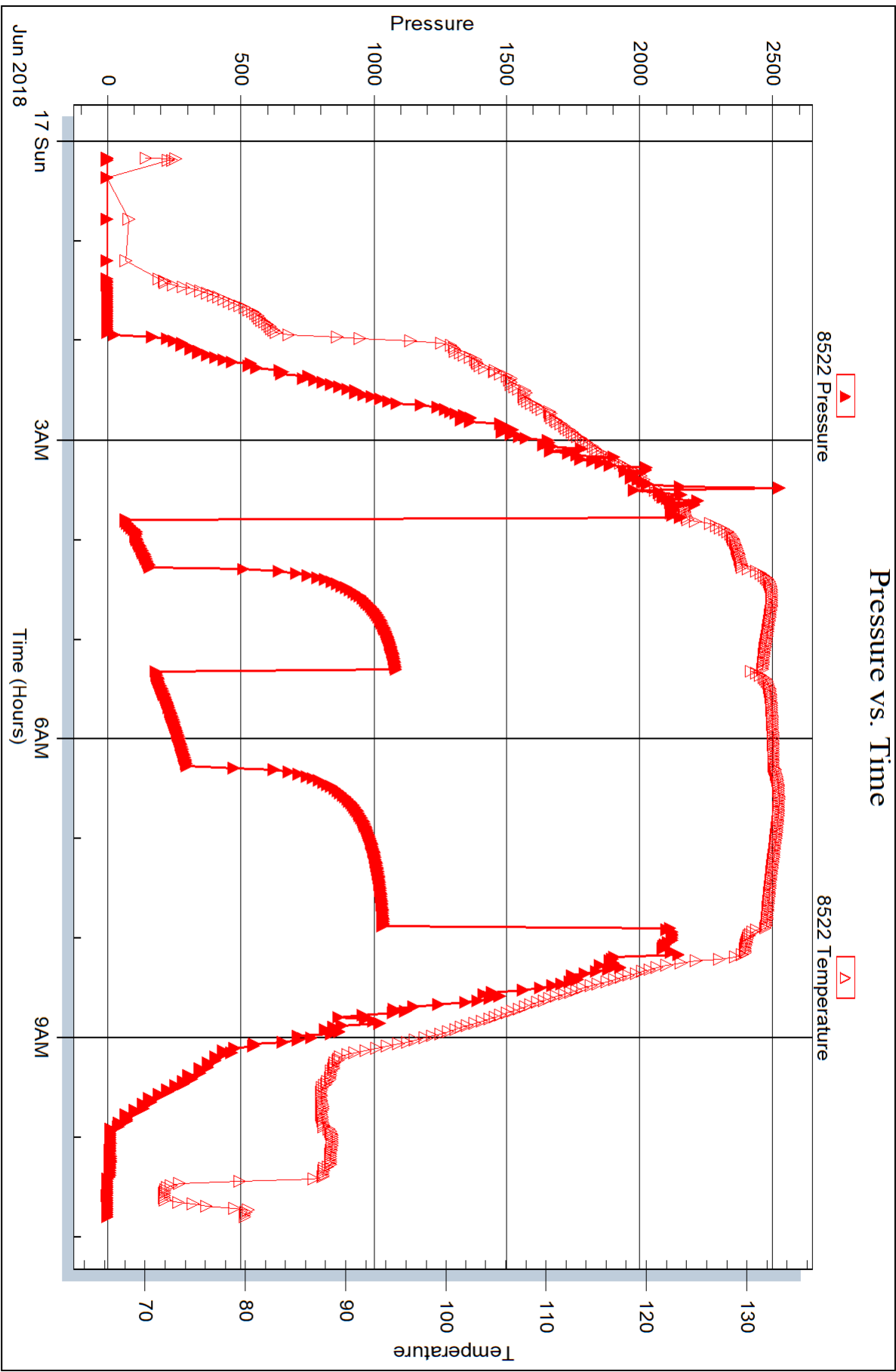
Serial #: 8522

Inside

Stelbar Oil Corp.

24-17s-32w Scottt KS

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63691**

Well Name & No. Heartland-Scheverman #24 Test No. 1 Date 6/17/2017
 Company Stelbur Oil Corp. Elevation 2986 KB 2975 GL
 Address 1625 N Waterfront Pkwy Wichita, KS 67206
 Co. Rep / Geo. Dave Goldak Rig Mofin
 Location: Sec. 24 Twp 17 S Rge. 32 W Co. Scott State KS

Interval Tested 4382-4400 Zone Tested Marnaton C
 Anchor Length 12 Drill Pipe Run 4103 Mud Wt. 9.2
 Top Packer Depth 4377 Drill Collars Run 276 Vis 54
 Bottom Packer Depth 4382 Wt. Pipe Run 0 WL 6.4
 Total Depth 4400 Chlorides 2,000 ppm System LCM 6"

Blow Description IF BOB @ 2 min. Built to 67"
ISI BOB @ 15 min. Built to 23"
PF BOB @ 9 min. Built to 70"
FST BOB @ 23 min. built to 96" flow

Rec	Feet of	%gas	%oil	%water	%mud
<u>760</u>	<u>GSNCO</u>	<u>35</u>	<u>60</u>	<u>3</u>	
	<u>1260' GIP</u>				

Rec Total 760 BHT 133 Gravity 29 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2154</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2300</u>
(B) First Initial Flow <u>57</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0013</u>
(C) First Final Flow <u>161</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0348</u>
(D) Initial Shut-In <u>1085</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0748</u>
(E) Second Initial Flow <u>183</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1049</u>
(F) Second Final Flow <u>301</u>	<input checked="" type="checkbox"/> Mileage <u>28 RT 28</u>	Comments
(G) Final Shut-In <u>1039</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>2114</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1753</u>
	Sub Total <u>1753</u>	MP/DST Disc't

Approved By _____ 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.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 63691 Date 6/17/2018
 Company Name Stelbar Oil Corp
 Lease Hewland Scheeverman #124 Test No. 1
 County Scott Sec. 24 Twp. 17 Rng. 32

SAMPLER RECOVERY

Gas 3 cft 1000 ML
 Oil 1000 ML
 Mud — ML
 Water — ML
 Other — ML
 Pressure 250 PSI
 Total 2000 ML

PIT MUD ANALYSIS

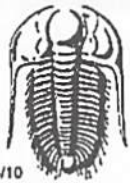
Chlorides 2000 ppm.
 Resistivity — ohms @ — F
 Viscosity 54
 Mud Weight 9.2
 Filtrate 6.4
 Other —

SAMPLER ANALYSIS

Resistivity — ohms @ — F
 Chlorides — ppm.
 Gravity 29 corrected @60F

PIPE RECOVERY

TOP
 Resistivity — ohms @ — F
 Chlorides — ppm.
MIDDLE
 Resistivity — ohms @ — F
 Chlorides — ppm.
BOTTOM
 Resistivity — ohms @ — F
 Chlorides — ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63692**

Well Name & No. Heartland Sheeverman #1-24 Test No. 2 Date 6/19/2018
 Company Stalbar Oil Corp Elevation 2986 KB 2975 GL
 Address 1625 N Waterfront Pkwy Wichita, KS 67206
 Co. Rep / Geo. Dave Goldak Rig Modina 21
 Location: Sec. 24 Twp 17s Rge. 32w Co. Scott State Ks

Interval Tested 4382 - 4399 Zone Tested Marmaton C
 Anchor Length 17' / 291 Tail Drill Pipe Run 4110 Mud Wt. 912
 Top Packer Depth 4377 Drill Collars Run 276 Vis 52
 Bottom Packer Depth 4382 / 4399 shut Wt. Pipe Run Ø WL 8.0
 Total Depth 4690 Chlorides 4200 ppm System LCM 4#

Blow Description IF! BOB @ 4 min built to 31"
ISI BOB @ 40 min built to 46"
FF BOB @ 5 min built to 56
FSF BOB @ 18 min built to 100"

Rec	Feet of	%gas	%oil	%water	%mud
<u>620</u>	<u>6mco</u>	<u>30%</u>	<u>67%</u>	<u>3</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 620 BHT 129 Gravity 29 API RW -@ - F Chlorides - ppm

(A) Initial Hydrostatic <u>2150</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1620</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1631</u>
(C) First Final Flow <u>109</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2130</u>
(D) Initial Shut-In <u>1018</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0046</u>
(E) Second Initial Flow <u>140</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0407</u>
(F) Second Final Flow <u>248</u>	<input checked="" type="checkbox"/> Mileage <u>28</u>	Comments
(G) Final Shut-In <u>974</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>EM Tool NC</u>
(H) Final Hydrostatic <u>2146</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer

Initial Open 15
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 120

Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 2603

Sub Total 0
 Total 2603
 MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 63692 Date 6/19/2008
 Company Name Stelbar Oil Corp.
 Lease Hearthland Scheveran 1-24 Test No. 2
 County Scott Sec. _____ Twp. _____ Rng. _____

SAMPLER RECOVERY

Gas 3 cwt 1000 ML
 Oil 1000 ML
 Mud — ML
 Water — ML
 Other — ML
 Pressure 230 PSI ~~ML~~
 Total 2,000 ML

PIT MUD ANALYSIS

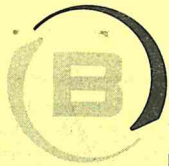
Chlorides 4200 ppm.
 Resistivity — ohms @ — F
 Viscosity 52
 Mud Weight 9.2
 Filtrate 8.0
 Other _____

SAMPLER ANALYSIS

Resistivity — ohms @ — F
 Chlorides — ppm.
 Gravity 29 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

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

TT-MH-148

FIELD SERVICE TICKET
1718 16806 A

Surface

DATE _____ TICKET NO. _____

DATE OF JOB <u>6/13/18</u> DISTRICT _____				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 <u>Stelbar Oil Corp</u>				LEASE <u>Heartland Schenckman</u> WELL NO. <u>1-24</u>						
ADDRESS _____				COUNTY <u>Scott</u> STATE <u>KS</u>						
CITY _____ STATE _____				SERVICE CREW <u>Scott, McGowan, Anderson</u>						
AUTHORIZED BY <u>Juan</u>				JOB TYPE: <u>8 5/8 Surface Pipe 7.42</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>86719</u>	<u>.5</u>									
14867 <u>19918</u>	<u>.25</u>									
						ARRIVED AT JOB	<u>6/12/18</u>	AM		<u>9:30</u>
						START OPERATION	<u>6/13/18</u>	AM		<u>12:15</u>
						FINISH OPERATION	<u>6/13/18</u>	AM		<u>12:40</u>
						RELEASED	<u>6/13/18</u>	AM		<u>1:00</u>
						MILES FROM STATION TO WELL				

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
<u>CP103</u>	<u>60/40 P07</u>	<u>SK</u>	<u>235</u>		<u>2820.00</u>	
<u>CC102</u>	<u>Cellofloc</u>	<u>lb</u>	<u>59</u>		<u>218.50</u>	
<u>CC109</u>	<u>Calcium Chloride</u>	<u>lb</u>	<u>609</u>		<u>639.45</u>	
<u>E100</u>	<u>Unit M, lead</u>	<u>M</u>	<u>100</u>		<u>450.00</u>	
<u>E101</u>	<u>Heavy Equipment</u>	<u>M</u>	<u>200</u>		<u>1500.00</u>	
<u>E113</u>	<u>Prop 4 Bulk Delivery Ton Mile</u>	<u>TTM</u>	<u>1015</u>		<u>2537.50</u>	
<u>CE200</u>	<u>Depth Charge 0-500'</u>	<u>4hr</u>	<u>1</u>		<u>1000.00</u>	
<u>CE240</u>	<u>Blending & Mixing Charge</u>	<u>SK</u>	<u>235</u>		<u>329.50</u>	
<u>5003</u>	<u>Service Supervisor</u>	<u>ea</u>	<u>1</u>		<u>175.00</u>	
					SUB TOTAL	<u>9669.25</u>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>DLS 5,511.47</u>

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

FIELD SERVICE ORDER NO.



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 16806 A

Surface

DATE _____ TICKET NO. _____

DATE OF JOB <i>4/11/15</i>	DISTRICT		NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER <i>Harco Energy</i>			LEASE <i>...</i>			WELL NO. <i>...</i>			
ADDRESS <i>...</i>			COUNTY <i>Seymour</i>		STATE <i>MO</i>				
CITY <i>...</i>			SERVICE CREW <i>...</i>						
AUTHORIZED BY <i>...</i>			JOB TYPE: <i>...</i>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB	<i>4/11/15</i>		<i>8:30</i>
						START OPERATION	<i>4/11/15</i>		<i>12:10</i>
						FINISH OPERATION	<i>4/11/15</i>		<i>17:50</i>
						RELEASED	<i>4/11/15</i>		<i>1:00</i>
						MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<i>CP103</i>	<i>COARSE POT</i>	<i>51</i>	<i>235</i>		<i>2820.00</i>
<i>CP107</i>	<i>COARSE POT</i>	<i>16</i>	<i>59</i>		<i>218.00</i>
<i>CP109</i>	<i>COARSE POT</i>	<i>16</i>	<i>60</i>		<i>639.00</i>
<i>CP110</i>	<i>COARSE POT</i>	<i>111</i>	<i>100</i>		<i>450.00</i>
<i>CP111</i>	<i>HEAVY EQUIPMENT</i>	<i>111</i>	<i>200</i>		<i>1500.00</i>
<i>CP115</i>	<i>COARSE POT</i>	<i>71</i>	<i>115</i>		<i>2537.50</i>
<i>CP116</i>	<i>COARSE POT</i>	<i>16</i>	<i>1</i>		<i>1000.00</i>
<i>CP117</i>	<i>COARSE POT</i>	<i>51</i>	<i>235</i>		<i>329.00</i>
<i>CP118</i>	<i>COARSE POT</i>	<i>51</i>	<i>1</i>		<i>175.00</i>

SUB TOTAL *9669.25*

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<i>5151.97</i>

DLS

SERVICE REPRESENTATIVE <i>...</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>...</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO. _____	



TREATMENT REPORT

Customer <i>Stelbar Oil Corp</i>			Lease No.			Date		
Lease <i>Heartland - Schweerman</i>			Well # <i>1-74</i>			Date <i>6/13/18</i>		
Field Order # <i>108006</i>	Station <i>Pratt KS</i>	Casing <i>8 5/8</i>	Depth <i>309</i>	County <i>Scott</i>	State <i>KS</i>			
Type Job <i>8 5/8 Surface Pipe</i>			Formation			Legal Description		

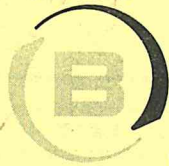
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>309</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>19.65</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>500</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>8 5/8</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative <i>Juan</i>	Station Manager <i>Justin Westerman</i>	Treater <i>Scott Graves</i>
--	--	--------------------------------

Service Units <i>96817</i>	<i>78487</i>	<i>86779</i>	<i>19959</i>	<i>19867</i>					
Driver Names <i>Scott McGowan</i>	<i>Arden</i>								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:30</i>					<i>On location Safety Meeting Rigs</i>
<i>12:00</i>					<i>Break Circulation</i>
<i>12:15</i>	<i>60</i>			<i>4</i>	<i>Pump H2O Spacer</i>
<i>12:14</i>	<i>100</i>		<i>3</i>	<i>4.5</i>	<i>Start Cement 7355Ks 60Wd P02</i>
<i>12:26</i>	<i>150</i>		<i>50.7</i>	<i>3.5</i>	<i>Start Displacement</i>
<i>12:29</i>	<i>200</i>		<i>15</i>	<i>3.5</i>	<i>Cement Circulated</i>
<i>12:30</i>	<i>175</i>		<i>3.7</i>	<i>0</i>	<i>Shut down Shut in</i>
<i>12:35</i>					<i>Wash up equipment</i>
<i>12:40</i>					<i>Job Complete</i>

Taylor Printing, Inc. 620-672-3656



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

24-175-32W

FIELD SERVICE TICKET

1718 16586 A

Plugging

DATE _____ TICKET NO. _____

DATE OF JOB <i>6/19/2018</i> DISTRICT <i>Pratt, KS</i>		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 <i>Stelber Oil Corp.</i>		LEASE <i>Hess+Lena-Schuerman Unit</i> WELL NO. <i>1-29</i>								
ADDRESS		COUNTY <i>Scott</i> STATE <i>KS</i>								
CITY STATE		SERVICE CREW <i>Darin, Ed, Derrick</i>								
AUTHORIZED BY		JOB TYPE: <i>242/PTA</i>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<i>19843</i>	<i>3</i>						<i>6/19</i>			<i>7:30</i>
<i>19918</i>	<i>1</i>						<i>6/19</i>			<i>12:45</i>
							<i>6/19</i>			<i>1:30</i>
							<i>6/19</i>			<i>4:30</i>
							<i>6/19</i>			<i>5:00</i>
						MILES FROM STATION TO WELL	<i>172</i>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: *Juan Brown*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<i>GP103</i>	<i>60/40 Poz</i>	<i>SK</i>	<i>300</i>		<i>3,600 00</i>
<i>GC102</i>	<i>Celko Flsre</i>	<i>Lb</i>	<i>76</i>		<i>281 20</i>
<i>GC200</i>	<i>Cement + Gel</i>	<i>Lb</i>	<i>516</i>		<i>129 00</i>
<i>E100</i>	<i>unit milesse chrsse - pickups, 5msllusns + chrs ^{one way}</i>	<i>m.</i>	<i>100</i>		<i>450 00</i>
<i>E101</i>	<i>Heavy Equipment + milesse</i>	<i>m.</i>	<i>200</i>		<i>1,500 00</i>
<i>E113</i>	<i>Proppant + one Bulk Delivery, chrsse - per ton mile</i>	<i>Ton/m</i>	<i>1290</i>		<i>3,225 00</i>
<i>CE203</i>	<i>Depth chrsse; 2,000' - 3,000'</i>	<i>4hr</i>	<i>1</i>		<i>1,800 00</i>
<i>CE240</i>	<i>Blending + mixing Service chrsse</i>	<i>SK</i>	<i>300</i>		<i>420 00</i>
<i>S003</i>	<i>Service Supervisor, First 8 hrs on loc.</i>	<i>Es</i>	<i>1</i>		<i>175 00</i>
					SUB TOTAL <i>11,580 20</i>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<i>6,600 71</i>

SERVICE REPRESENTATIVE *Darin Evans* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Juan Brown*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

24-175-32w

TJMH 60

FIELD SERVICE TICKET

1718 16586 A

Plugging

DATE _____ TICKET NO. _____

DATE OF JOB 6/19/2012	DISTRICT P...	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 Shelby Oil Corp	LEASE Hess...	WELL NO. 1-2							
ADDRESS	COUNTY Scott	STATE KS							
CITY	STATE	SERVICE CREW Drew F. D...							
AUTHORIZED BY	JOB TYPE: 242/PTA								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
19845	3						6/19	AM	7:30
19918	1						6/19	AM	12:40
							6/19	AM	1:30
							6/19	AM	4:30
							6/19	AM	5:00
						MILES FROM STATION TO WELL	172		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
BP103	60/40 Pol	SK	300		3,600 00
CC102	Cement	Lb	76		281 20
CC100	Cement Gr	Lb	516		129 00
F100	un. m. 1000 chaise - P...	m	100		450 00
F101	Hess...	m	200		1,500 00
F113	Prop...	m	1290		3,225 00
CF103	Dep'n Chaise; 2.001 3.000	4hr	1		1,800 00
CF240	Bica...	SK	300		420 00
SO03	Service...	Fs	1		175 00
SUB TOTAL					11,580 20
TOTAL					6,600 71

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		6,600 71

SERVICE REPRESENTATIVE *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer <i>Stelber O.I. Corp.</i>	Lease No.	Date <i>6/19/2018</i>
Lease <i>Hess 1000 Schuerman Unit</i>	Well # <i>1-24</i>	
Field Order # <i>16586</i>	Station <i>Pratt, KS</i>	Casing
Type Job <i>242/PTA</i>	Formation	Depth
		County <i>Scott</i>
		State <i>KS</i>
		Legal Description <i>24-17s-32w</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Gasing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>4 1/2</i>								
Depth <i>2310</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>32.8</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>500</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>Water/mud</i>	Gas Volume		Total Load	

Customer Representative <i>Justin Tinoco</i>	Station Manager <i>Justin Westerman</i>	Treater <i>Darin Franklin</i>
Service Units <i>92911 84981 19843 19959 19918</i>		
Driver Names <i>Darin Ed Ed Derrick Derrick</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:45pm</i>					<i>On location / safety meeting</i>
					<i>300 SK 60/40 P02, 4% gel, 1/4H cellpic</i>
					<i>2310' - 50 SK</i>
<i>1:30pm</i>	<i>200</i>		<i>8</i>	<i>5</i>	<i>8 water</i>
	<i>200</i>		<i>11</i>	<i>5</i>	<i>50 SK</i>
	<i>200</i>		<i>3</i>	<i>5</i>	<i>3 water</i>
	<i>200</i>		<i>23</i>	<i>5</i>	<i>23 mud</i>
					<i>150' - 80 SK</i>
	<i>200</i>		<i>8</i>	<i>5</i>	<i>8 water</i>
	<i>200</i>		<i>17</i>	<i>5</i>	<i>80 SK</i>
	<i>200</i>		<i>3</i>	<i>5</i>	<i>3 water</i>
	<i>200</i>		<i>10</i>	<i>5</i>	<i>10 mud</i>
					<i>750' - 50'</i>
	<i>100</i>		<i>15</i>	<i>5</i>	<i>15 water</i>
	<i>100</i>		<i>11</i>	<i>5</i>	<i>50 SK</i>
	<i>100</i>		<i>5</i>	<i>5</i>	<i>5 water</i>
					<i>330'</i>
	<i>100</i>		<i>3</i>	<i>5</i>	<i>3 water</i>
	<i>100</i>		<i>11</i>	<i>5</i>	<i>50 SK</i>
	<i>100</i>		<i>1</i>	<i>5</i>	<i>1 water</i>
	<i>50</i>		<i>17</i>	<i>3</i>	<i>40' - 20 SK, PH - 30 SK - MH - 20 SK</i>

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Heartman-Scheuerman Unit #1-24
API: 15-171-21227-00-00
Location: Section 24 - T17S - R32W
License Number: _____ Region: Scott Co., KS
Spud Date: 06 / 12 / 2018 Drilling Completed: 06 / 19 / 2018
Surface Coordinates: 815' FSL and 100' FWL
SW - NW - SW - SW
Bottom Hole
Coordinates:
Ground Elevation (ft): 2975' K.B. Elevation (ft): 2986'
Logged Interval (ft): 3800' To: 4690' Total Depth (ft): 4690'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

Printed by MUD.LOG 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: 12427 W Ridgepoint Cir
Wichita, Kansas 67235

General Info

CONTRACTOR: Murfin Drilling, Rig #21

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	HTC-VM1	3-15s	310	310	2.75
2	7-7/8	HTC-DP506	3-15s	4690	4380	86.75

SURVEYS: 315'-0.25, 1470'-0.20, 2321'-0.20, 3018'-0.20,
3650'-0.20, 4400'-0.90, 4690'-0.70

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 19 collars (6.25" x 2.25"): 578.28'
Drilling with 12,000-14,000 lbs on bit and 95-105 RPM.
Pumping 60 S/M; 8.8 B/M; 950-1000 psi at standpipe.

Daily Status

06/12/18 - Spud at 6:15 PM; Set 8-5/8" csg at 310'
 06/13/18 - 310' WOC; DP at 8:30 AM
 06/14/18 - 2,260' Drilling;
 06/15/18 - 3,460' Drilling; Displace @ 3,523'
 06/16/18 - 4,180' Drilling; Wiper trip @ 4,312'
 06/17/18 - 4,400' DST #1 in progress
 06/18/18 - 4,660' Drilling; TD @ 4,690'; Log well; DST #2
 06/19/18 - 4,690' WOO; Plug well

	Log Tops	Sample Tops
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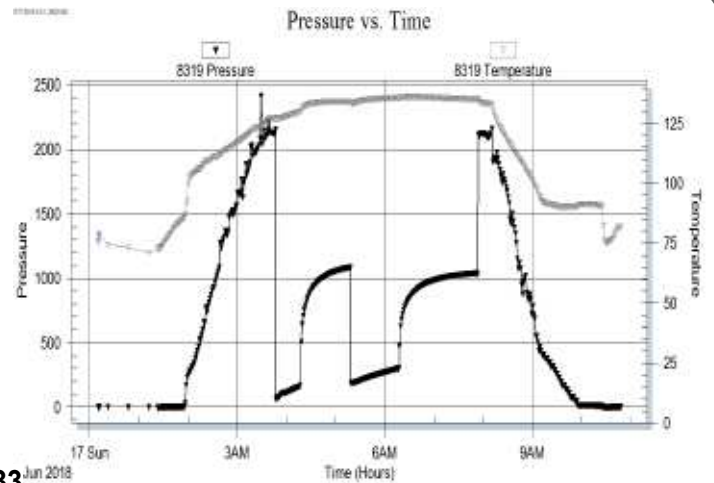
Anhydrite	2312 (+674)	2309 (+677)
Base / Anhydrite	2329 (+657)	2328 (+658)
Heebner	3912 (-926)	3910 (-924)
Lansing	3952 (-966)	3951 (-965)
Muncie Creek	4142 (-1156)	4139 (-1153)
Stark Sh	4240 (-1254)	4237 (-1251)
Hushpuckney Sh	4276 (-1290)	4273 (-1287)
Base of KC	4330 (-1344)	4327 (-1341)
Marmaton	4353 (-1367)	4350 (-1364)
Pawnee	4441 (-1455)	4438 (-1452)
Cherokee Sh	4492 (-1506)	4489 (-1503)
Lower Cher Sh	4518 (-1532)	4516 (-1530)
Johnson Zone	4546 (-1560)	4546 (-1560)
Morrow Sh	4595 (-1609)	4592 (-1606)
Mississippian	4616 (-1630)	4615 (-1629)
Total Depth	4693 (-1707)	4690 (-1704)

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

IF: Strong blow building to BOB in 2 minutes
ISI: Blow back building to BOB in 15 minutes
FF: Strong blow building to BOB in 9 minutes
FSI: Blow back building to BOB in 23 minutes

RECOVERY: 1,260' GIP & 760' Total Fluid, consisting of:
 760' GSMCO (35% G, 62% O & 3% M)
Oil Gravity: 29 API
Sampler: 3 cu ft Gas & 1000 ml Oil @ 250 psi

SIP: 1085-1039; FP: 57-161, 183-301; HP: 2154-2114; BHT: 133

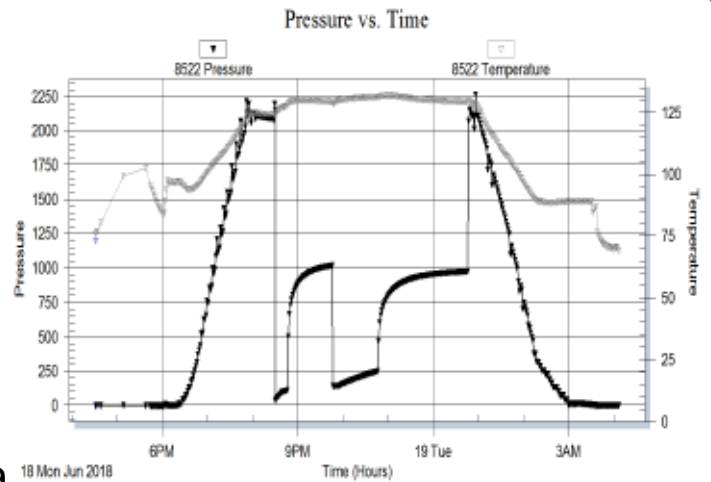


DST #2: 4,382' - 4,399' (Marmaton 'C')
[Straddle Test - Drilling Measurements]
15" - 60" - 60" - 120"

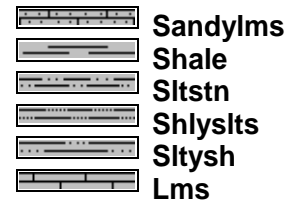
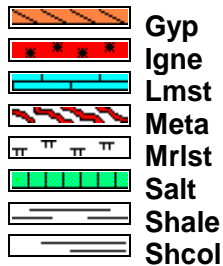
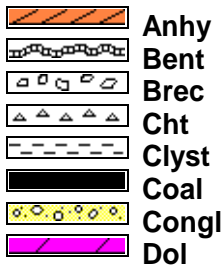
IF: Strong blow building to BOB in 4 minutes
ISI: Blow back building to BOB in 40 minutes
FF: Strong blow building to BOB in 5 minutes
FSI: Blow back building to BOB in 18 minutes

RECOVERY: 950' GIP & 620' Total Fluid, consisting of:
620' GSMCO (30% G, 67% O & 3% M); Oil Gravity: 29 API
Sampler: 3 cu ft Gas & 1000 ml Oil @ 230 psi

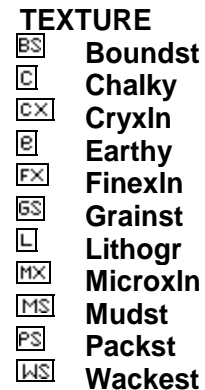
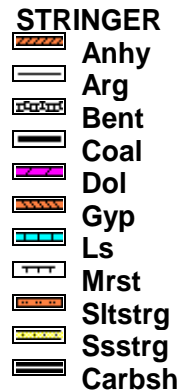
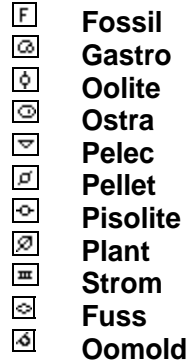
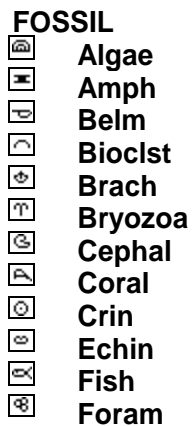
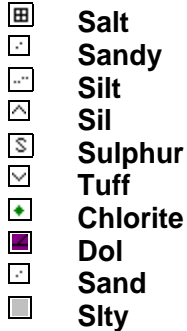
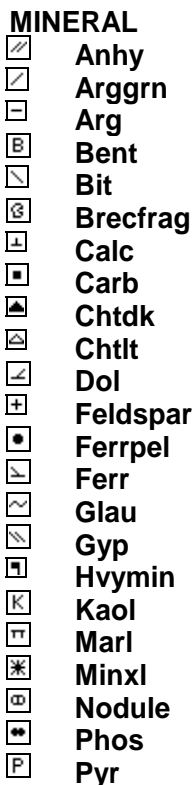
SIP: 1018-974; FP: 34-108, 140-248; HP: 2150-2146; BHT: 129



ROCK TYPES



ACCESSORIES



OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- F Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- F Subrnd
- a Subang
- A Angular

OIL SHOWS

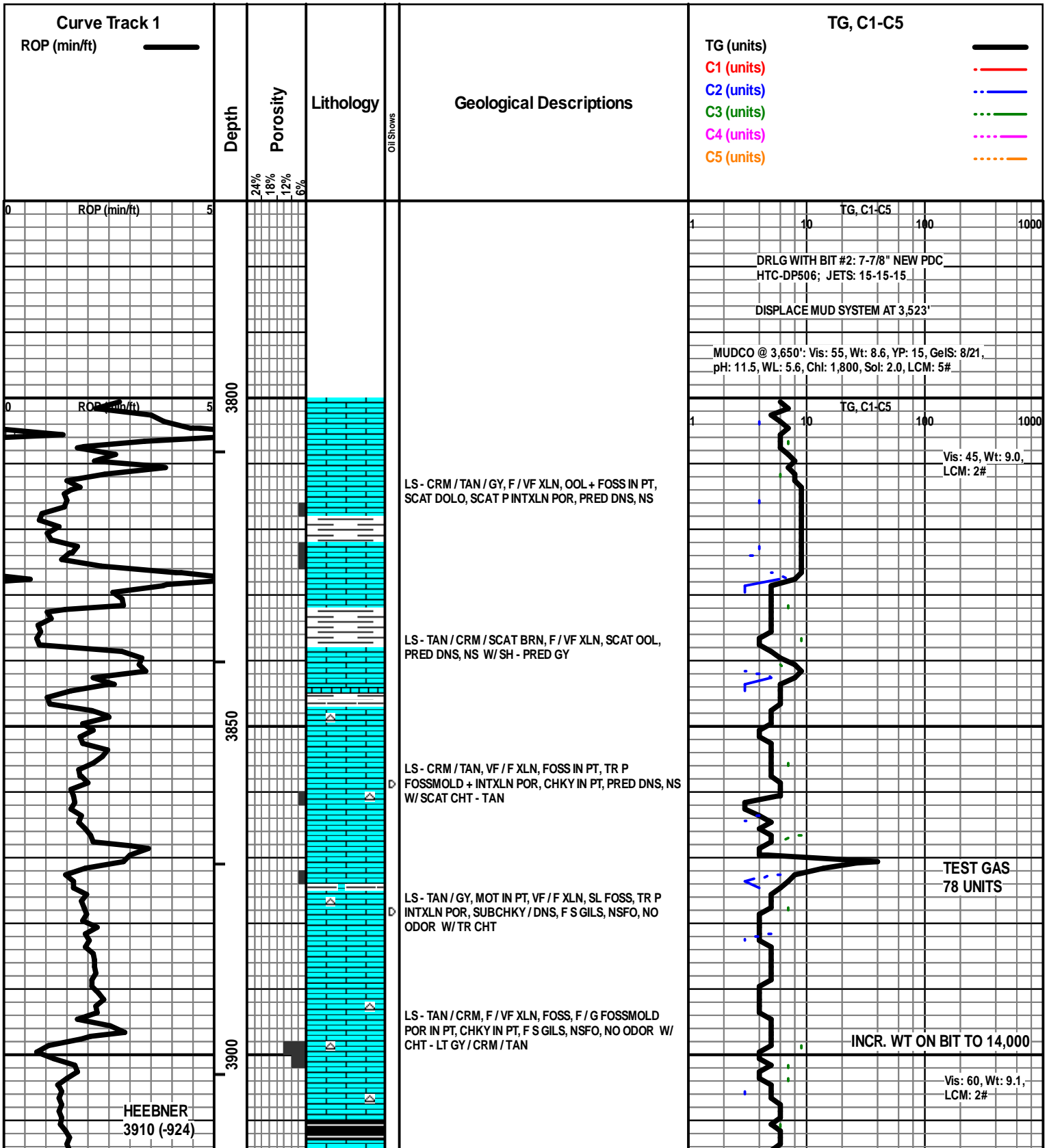
- Even
- ◉ Spotted
- ◌ Ques
- ◐ Dead
- ◑ Gas show

INTERVALS

- Core
- ◻ Dst

- Dst_1_t
- ◻ Dst_1_b
- Dst

- #### EVENTS
- ▽ Rft
 - ▾ Sidewall
 - ▬ Conn



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

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

LANSING
3951 (-965)

3950

LS - ASABOVE W/SH - GY / GRN W/LS - CRM / TAN, F
/ VF XLN, OOL IN PT, F / G OOM POR IN PT, SUBCHKY /
DNS IN PT, NS

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

LS - CRM / TAN, F / VF XLN, FOSS + OOL IN PT, TR P
INTXLN POR, PRED DNS, SCAT GILS, VSSGB, NSFO, NO
ODOR

LS - CRM / TAN, F / M XLN, SCAT M / C REXLN CALC,
SCAT OOL, F / SCAT G VUG + INTXLN POR, NS

LS - ASABOVE, DNS / SUBCHKY IN PT, NS

LS - CRM / TAN, F XLN, OOL + FOSS IN PT, SCAT P VUG
+ INTXLN POR, VSSFO + GB, FT ODOR, SCAT SPTY
STN, F / G FLUOR + CUT, V FEW PCES WITH POR +
SHOW

LS - CRM, F / VF XLN, SCAT REXLN CALC, PRED DNS,
NS W/SCAT CHT - LT GY / CRM

LS - CRM / TAN, F XLN, OOL, G OOM POR, F / G INTXLN
POR, NS

LS - LT GY / CRM, VF / F XLN, PRED DNS, NS

LS - CRM / TAN, F / VF XLN, OOL IN PT, SL FOSS, P / F
VUG + OOM POR IN PT, NS

A

B

C

D

E

F

0

5

4000

4050

4100

ROP (min/ft)

CFS @ 4007'

CFS @ 4060'

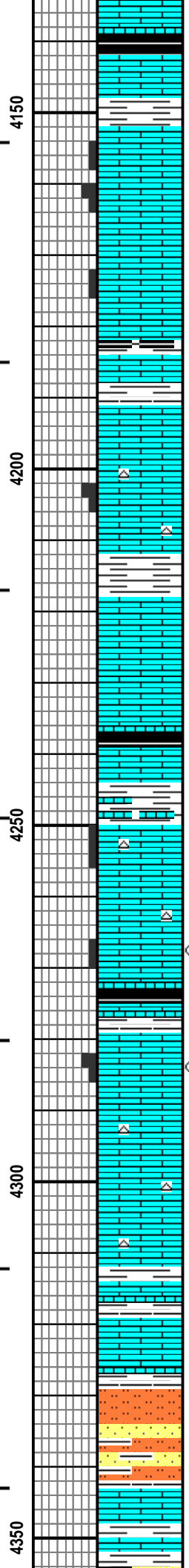
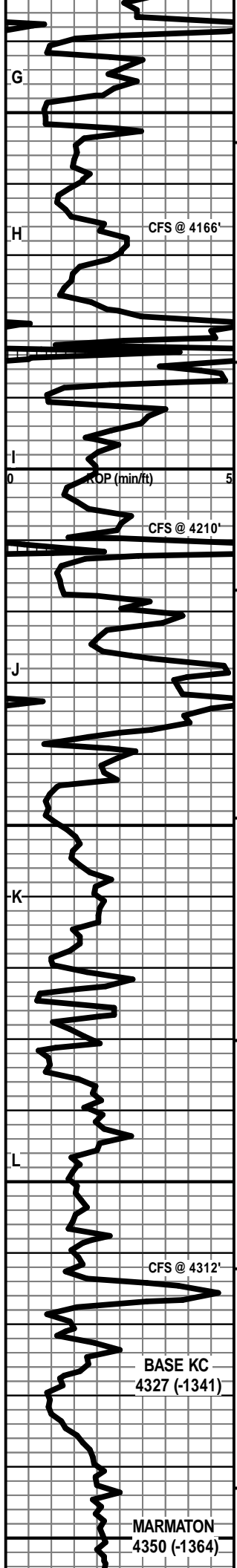
TG, C1-C5

100

1000

Vis: 55, Wt: 9.1,
LCM: 2#

Vis: 52, Wt: 9.1,
LCM: 3#



— MUNCIE CREEK 4139 (-1153)
 SH - BLK, CARB W/LS - TAN / BRN / GY, MOT IN PT, SL FOSS, PRED DNS, NS

LS - CRM / TAN / GY, F / VF XLN, FOSS IN PT, SCAT OOL, SCAT P INTXLN POR, SCAT P / TR F VUG POR, CHKY IN PT, TR GILS IN PT, TR GB IN PT, PRED NS, NO ODOR

LS - ASABOVE, SCAT P INTXLN POR, NS W/ SCAT SH - GY / BLK, CARB IN PT

LS - CRM / TAN, F / VF XLN, FOSS IN PT, CHKY IN PT, PRED DNS, NS W/ SCAT SH - GY / GRN

LS - CRM / TAN, F / VF XLN, OOL, FOSS IN PT, SCAT INTXLN POR, TR P / F VUG + OOM POR (CAVINGS?), CHKY IN PT, NS W/ CHT - LT GY / TAN

LS - TAN / CRM / GY, VF / F XLN, OOL + FOSS IN PT, CHKY IN PT, PRED DNS, NS W/ SH - PRED GY

— STARK SHALE 4237 (-1251)

LS - TAN / BRN, F XLN, REXLN CALC, FOSS IN PT, DNS, NS W/ SH - BLK / GY

LS - CRM / GY / SCAT TAN, MOT IN PT, F / VF XLN, OOL IN PT, SCAT P INTXLN POR, CHKY IN PT / DNS, NS W/ CHT - LT GY / WHT

LS - ASABOVE, SCAT P INTXLN + PPT POR, CHKY IN PT, VSSFO, SS ASPH + DEAD FLKY OIL, FT ODOR, SCAT SPTY BRN / BLK STN, G FLUOR, F / G CUT

— HUSHPUCKNEY SH 4273 (-1287)

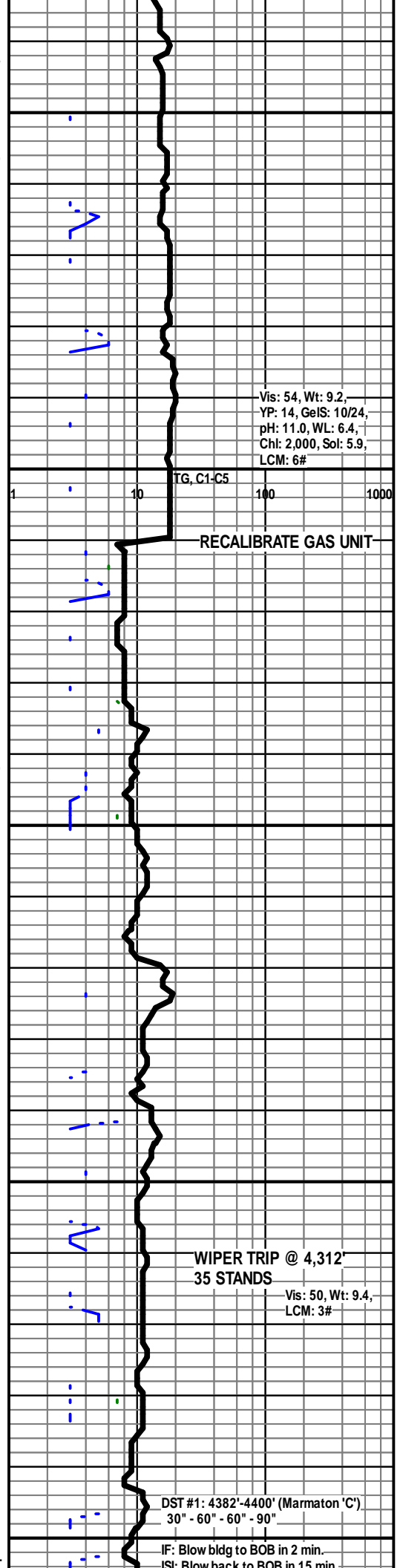
LS - TAN / CRM / SCAT GY, F / VF XLN, SCAT REXLN CALC, SCAT P / TR F INTXLN POR, TR VUG POR, VSSFO, SS ASPH + DEAD FLKY OIL, FT ODOR, SCAT SPTY BRN / BLK STN, G FLUOR, F / G CUT

LS - TAN / CRM, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS W/ CHT - LT GY / WHT

LS - TAN / CRM, F / VF XLN, OOL + FOSS IN PT, PRED DNS, NS W/ SH - PRED GY

LS - ASABOVE W/ SLTST - GY W/ SS - GY, SLT / VF GR, MIC, NS W/ LS - TAN / BRN, MOT, SL FOSS, PRED DNS, NS W/ SH - GY

ABNT SS - GY / TAN, MOT, SLT / VF GR, CALC, MOD MIC, NS W/ SH - GY W/ SCAT LS - CRM / TAN / GY, MOT



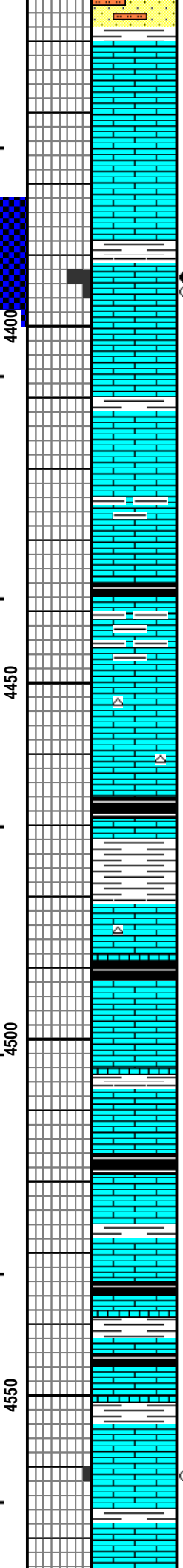
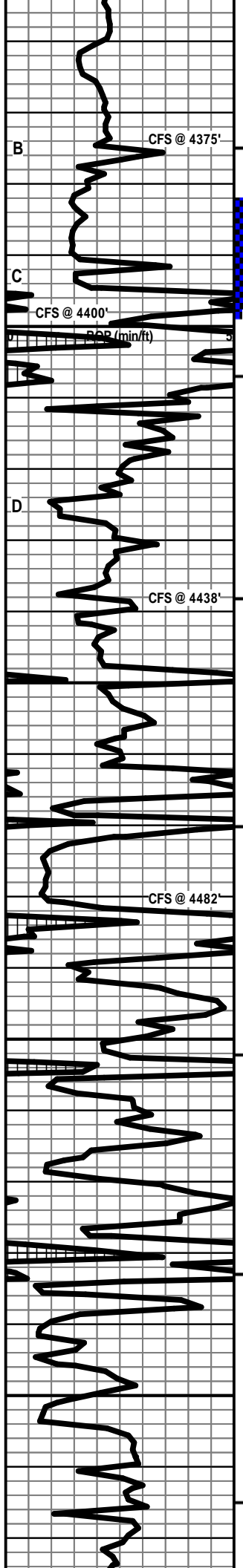
Vis: 54, Wt: 9.2,
 YP: 14, GelS: 10/24,
 pH: 11.0, WL: 6.4,
 Chl: 2,000, Sol: 5.9,
 LCM: 6#

RECALIBRATE GAS UNIT

WIPER TRIP @ 4,312'
 35 STANDS
 Vis: 50, Wt: 9.4,
 LCM: 3#

DST #1: 4382'-4400' (Marmaton 'C')
 30" - 60" - 60" - 90"

IF: Blow bldg to BOB in 2 min.
 IS: Blow back to BOB in 15 min.



IN PT, F / VF XLN, FOSS + OOL, SUBCHKY / DNS, NS

LS - CRM / TAN, MOT IN PT, F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS

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

LS - CRM / TAN, PRED VF / F XLN, M / C XLN IN PT, OOL IN PT, P / G VUG + INTXLN POR IN PT, FSFO + GB, FT ODOR, SPTY / SAT STN, F / G FLUOR, G CUT

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

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

LS - CRM / TAN / GY, MOT IN PT, F / VF XLN, FOSS IN PT, PRED DNS, NO VIS POR, NS

— PAWNEE 4438 (-1452)

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

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

PRED SH - GY / BLK W / LS - BRN / TAN, F / VF XLN, PRED DNS, NS

PRED SH - GY W / LS - CRM / TAN, MOT, VF / F XLN, OOL, PRED CHKY / DNS, NS

LS - ASABOVE, OOL IN PT, PRED DNS, NS W / SCAT CHT - LT GY / WHT

— CHEROKEE SH 4489 (-1503)

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

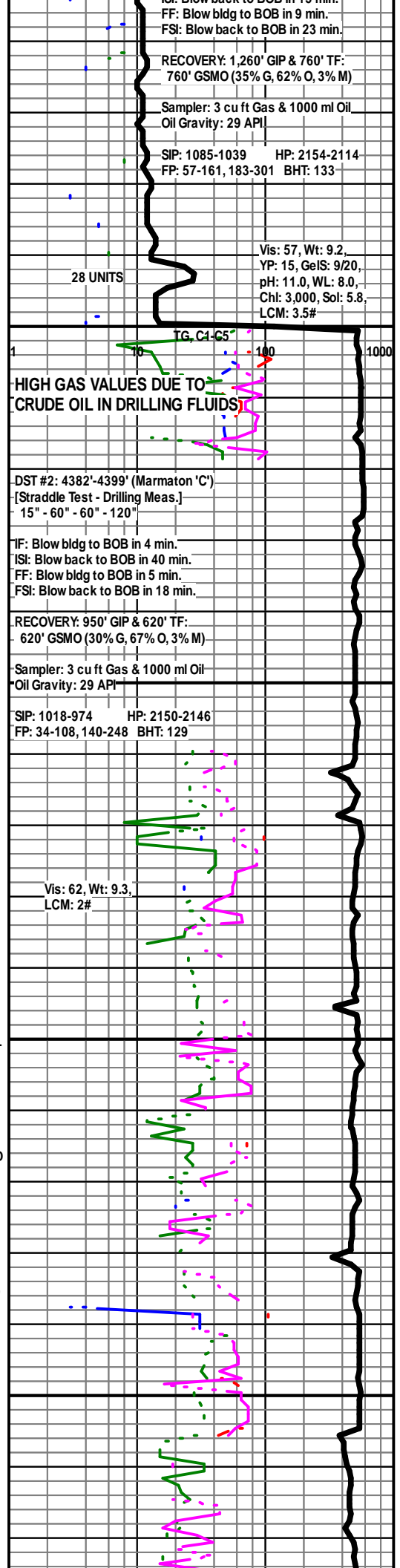
LS - TAN / BRN / SCAT GY, VF / F XLN, FOSS IN PT, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

LS - TAN / GY / BRN, MOT IN PT, FOSS IN PT, SCAT OOL, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

— JOHNSON ZONE 4546 (-1560)

LS - CRM / TAN / BRN, F / VF XLN, OOL IN PT, SL FOSS, SCAT P INTXLN POR, TR P VUG POR, F S ASPH / DEAD FLKY DEAD OIL, VSSFO, V FT ODOR, SCAT SPTY BLK / BRN STN, TR BLK SAT STN

CRM / TAN / BRN, MOT IN PT, F / VF XLN, SL OOL + FOSS, SCAT P INTXLN POR, SCAT SSFO + ASPH + BLK FLKY DEAD OIL, VFT ODOR, SCAT SPTY BLK / BRN



FLKY DEAD OIL, V FT ODOR, SCAT SPTY BLK / BRN STN; V SM AMT OF SMPL WITH POR + SHOW

LS - V SIM TO ABOVE, V FT ODOR, V SM AMT OF SMPL WITH POR + SHOW

MORROW SH 4592 (-1606)

4,595' CFS: SH - GY / LT GRN W / SCAT SS CLSTRS - LT GY, PRED VF / M GR, PRED P SRTD, R / SA, SIL / SL CALC CEM, SCAT SH FRAG IN PT, P / F INTGR POR, FRI IN PT, NS

SH - GY / GRN, SLTY IN PT W / SS - LT GY, VF / F GR, FW / W SRTD, SA / SR, SIL CEM, SCAT GLAUC, FRI IN PT, P / F INTGR POR, TR SPTY STN ?, NSFO, NO ODOR, PRED BARR POR

MISSISSIPPIAN 4615 (-1629)

LS - WHT, VF XLN, AREN (VF QTZ GR), FNLY OOL, SUBCHKY / DNS, NS W / LS - CRM / WHT / SCAT TAN, F / VF XLN, OOL IN PT (MED / LRG), PRED DNS, NS W / TR CHT - LT GY / ORG

LS - CRM / TAN / SCAT WHT, F / VF XLN, OOL IN PT (MED / LRG), PRED DNS, NS

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

LS - CRM / TAN, F / VF XLN, SCAT CHKY, PRED DNS, NS

TOTAL DEPTH 4690 (-1704)

Vis: 53, Wt: 9.3,
LCM: 2#

Vis: 54, Wt: 9.1,
YP: 16, GelS: 9/24,
pH: 10.5, WL: 8.0,
Chl: 2,700, Sol: 5.4,
LCM: 4#

