KOLAR Document ID: 1313271

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 # 6044
Name: Stelbar Oil Corporation, Inc.
Address 1: 1625 N WATERFRONT PKWY
Address 2: SUITE 200
City: WICHITA State: KS Zip: 67206 + 6602
Contact Person: Ty Lunn / Roscoe Mendenhall
Phone: ( 316 ) 264-8378
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Dave Goldak
Purchaser: N/A

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 #:

| 07/19/2016 | 07/27/2016 | 07/27/2016 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No.: 15-171-21175-00-00
Spot Description:
NW - SE - NW - SW Sec. 21 Twp. 17 S. R. 32 ☐ East ☑ West
1773 Feet from ☐ North / ☑ South Line of Section
856 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Scott
Lease Name: EIKELBERGER Well #: 1-21
Field Name: Wildcat
Producing Formation: N/A
Elevation: Ground: 2994 Kelly Bushing: 2999
Total Vertical Depth: 4775 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 301 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: 12100 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

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

Submitted Electronically

**KCC Office Use ONLY**
☑ **Confidentiality Requested**
Date: 11/14/2016
☑ **Confidential Release Date:** 11/14/2018
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
**ALT** ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 11/15/2016

Operator Name: Stelbar Oil Corporation, Inc. Lease Name: EIKELBERGER Well #: 1-21

Sec. 21 Twp. 17 S. R. 32 ☐ East ☑ West County: Scott

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

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

| | | | |
|---|---|---|---|
| Drill Stem Tests Taken *(Attach Additional Sheets)* | ☑ Yes | ☐ No | |
| Samples Sent to Geological Survey | ☑ Yes | ☐ No | |
| Cores Taken | ☐ Yes | ☑ No | |
| Electric Log Run | ☑ Yes | ☐ No | |
| Geologist Report / Mud Logs | ☐ Yes | ☐ No | |

List All E. Logs Run: Attached

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

| Name | Top | Datum |
|---|---|---|
| Attached | Attached | Attached |

CASING RECORD ☑ New ☐ Used

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

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 12.250 | 8.625 | 23.0 | 301 | 60/40 Pozmix | 215 | 3%cc, 2%gel, 1/4#polyflake |
| | | | | | | | |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ☐ Perforate<br>☐ Protect Casing<br>☐ Plug Back TD<br>☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* |
|---|---|

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

| DISPOSITION OF GAS: | METHOD OF COMPLETION: | PRODUCTION INTERVAL: |
|---|---|---|
| ☐ Vented ☐ Sold ☐ Used on Lease<br>*(If vented, Submit ACO-18.)* | ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* | Top / Bottom |

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)* |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

TUBING RECORD: Size: Set At: Packer At:

**Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Stelbar Oil Corporation, Inc. |
| Well Name | EIKELBERGER 1-21 |
| Doc ID | 1313271 |

All Electric Logs Run

| |
|---|
| Compensated Sonic w/Integrated Transit Time |
| Compact Photo Density Comp. Neutron Microresistivity log |
| Array Induction Shallow Focused Electric Log |
| Microresistivity Log |
| Caliper Log |

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Stelbar Oil Corporation, Inc. |
| Well Name | EIKELBERGER 1-21 |
| Doc ID | 1313271 |

Tops

| Name | Top | Datum |
|---|---|---|
| Heebner | 3930 | -931 |
| Lansing | 3973 | -974 |
| Mun Cr Sh | 4148 | -1149 |
| Stark Sh | 4251 | -1252 |
| Hush Sh | 4289 | -1290 |
| Marmaton 'B' | 4370 | -1371 |
| Pawnee | 4462 | -1463 |
| Cher Sh | 4510 | -1511 |
| Lwr Ck Sh | 4540 | -1541 |
| John Zone | 4570 | -1571 |
| Mw Sh | 4634 | -1635 |
| Miss | 4677 | -1678 |

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Stelbar Oil Corporation, Inc. |
| Well Name | EIKELBERGER 1-21 |
| Doc ID | 1313271 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 12.250 | 8.625 | 23.0 | 301 | 60/40 Pozmix | 215 | 3%cc, 2%gel, 1/4#polyflake |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corperation Incorporated**

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602

ATTN: Dave Goldak

## Eikelberger #1-21

## 21-17s-32w Scott,KS

Start Date: 2016.07.23 @ 03:32:00
End Date: 2016.07.23 @ 11:40:30
Job Ticket #: 65100 DST #: 1

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

Printed: 2016.07.27 @ 15:10:36

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkw ay
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65100 **DST#: 1**

Test Start: 2016.07.23 @ 03:32:00

## GENERAL INFORMATION:

Formation: **LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:36:30
Time Test Ended: 11:40:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Sw inney
Unit No: 72

**Interval: 3999.00 ft (KB) To 4028.00 ft (KB) (TVD)**
Total Depth: 4028.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

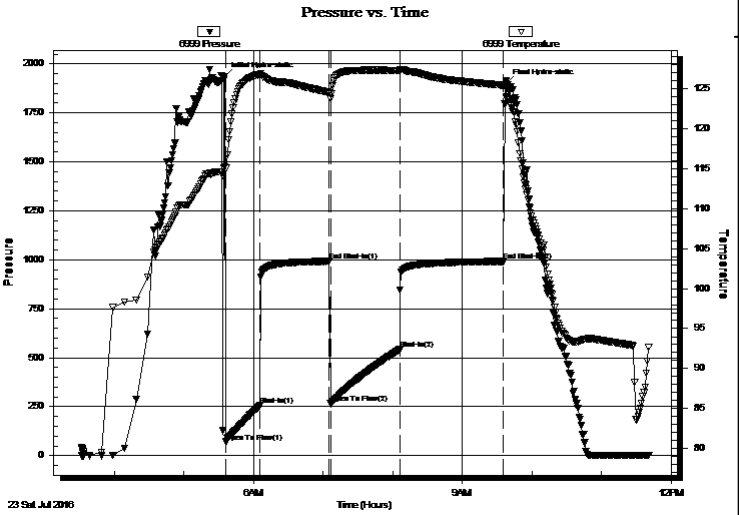
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 6999** **Inside**

Press@RunDepth: 541.70 psig @ 4024.00 ft (KB)
Start Date: 2016.07.23 End Date: 2016.07.23
Start Time: 03:32:05 End Time: 11:40:29

Capacity: 8000.00 psig
Last Calib.: 2016.07.23
Time On Btm: 2016.07.23 @ 05:35:30
Time Off Btm: 2016.07.23 @ 09:38:00

TEST COMMENT: IFP 30 Minutes Initial attempt to set tool had partial packer failure BOB in 9 minutes
ISI 60 Minutes No blow back
FFP 60 Minutes BOB in 11 minutes
FSI 90 Minutes No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1933.98 | 115.20 | Initial Hydro-static |
| 1 | 70.95 | 115.04 | Open To Flow (1) |
| 30 | 255.46 | 126.78 | Shut-In(1) |
| 90 | 992.98 | 124.52 | End Shut-In(1) |
| 91 | 265.45 | 123.79 | Open To Flow (2) |
| 151 | 541.70 | 127.28 | Shut-In(2) |
| 240 | 991.79 | 125.41 | End Shut-In(2) |
| 243 | 1898.36 | 123.85 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1147.00 | MW w / show of oil Mud 5% Water 95% | 15.00 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65100 **DST#: 1**

Test Start: 2016.07.23 @ 03:32:00

## GENERAL INFORMATION:

Formation: **LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:36:30
Time Test Ended: 11:40:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

**Interval: 3999.00 ft (KB) To 4028.00 ft (KB) (TVD)**
Total Depth: 4028.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

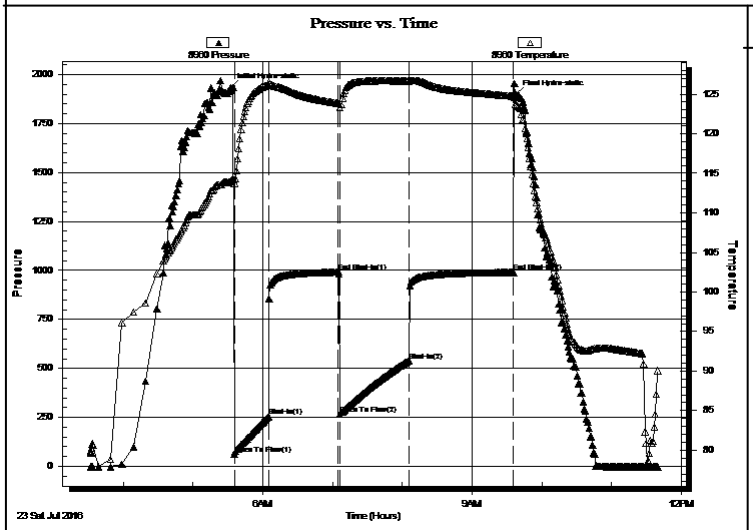
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 8960** **Outside**

Press@RunDepth: 990.71 psig @ 4025.00 ft (KB)
Start Date: 2016.07.23 End Date: 2016.07.23
Start Time: 03:32:05 End Time: 11:39:59

Capacity: 8000.00 psig
Last Calib.: 2016.07.23
Time On Btm: 2016.07.23 @ 05:32:30
Time Off Btm: 2016.07.23 @ 09:37:30

TEST COMMENT: IFP 30 Minutes Initial attempt to set tool had partial packer failure BOB in 9 minutes
ISI 60 Minutes No blow back
FFP 60 Minutes BOB in 11 minutes
FSI 90 Minutes No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1935.30 | 113.95 | Initial Hydro-static |
| 3 | 60.78 | 113.76 | Open To Flow (1) |
| 33 | 253.80 | 126.12 | Shut-In(1) |
| 93 | 992.03 | 123.86 | End Shut-In(1) |
| 94 | 267.82 | 123.33 | Open To Flow (2) |
| 153 | 540.03 | 126.64 | Shut-In(2) |
| 243 | 990.71 | 124.75 | End Shut-In(2) |
| 245 | 1896.24 | 123.75 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1147.00 | MW w / show of oil Mud 5% Water 95% | 15.00 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkw ay
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65100 **DST#: 1**

Test Start: 2016.07.23 @ 03:32:00

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3853.00 ft | Diameter: | 3.80 | inches | Volume: | 54.05 | bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 | inches | Volume: | 0.00 | bbl | |
| Drill Collar: | Length: | 120.00 ft | Diameter: | 2.25 | inches | Volume: | 0.59 | bbl | |
| | | | | | | Total Volume: | 54.64 | bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 4.00 ft |
| Depth to Top Packer: | 3999.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 29.00 ft |
| Tool Length: | 59.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | | |
|---|---|---|
| Tool Weight: | | 2000.00 lb |
| Weight set on Packer: | | 20000.00 lb |
| Weight to Pull Loose: | | 78000.00 lb |
| Tool Chased | | 0.00 ft |
| String Weight: | Initial | 56000.00 lb |
| | Final | 59000.00 lb |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Shut-In Tool | 5.00 | | | 3974.00 | | |
| Sampler | 3.00 | | | 3977.00 | | |
| Hydraulic tool | 5.00 | | | 3982.00 | | |
| Jars | 5.00 | | | 3987.00 | | |
| Safety Joint | 2.00 | | | 3989.00 | | |
| Top Packer | 5.00 | | | 3994.00 | | |
| Packer | 5.00 | | | 3999.00 | 30.00 | Bottom Of Top Packer |
| Anchor | 24.00 | | | 4023.00 | | |
| Recorder | 1.00 | 6999 | Inside | 4024.00 | | |
| Recorder | 1.00 | 8960 | Outside | 4025.00 | | |
| Bullnose | 3.00 | | | 4028.00 | 29.00 | Anchor Tool |
| **Total Tool Length:** | **59.00** | | | | | |

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65100 **DST#: 1**

Test Start: 2016.07.23 @ 03:32:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 25000 ppm |
| Viscosity: | 68.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.16 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 3000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 1147.00 | MW w/ show of oil Mud 5% Water 95% | 14.996 |

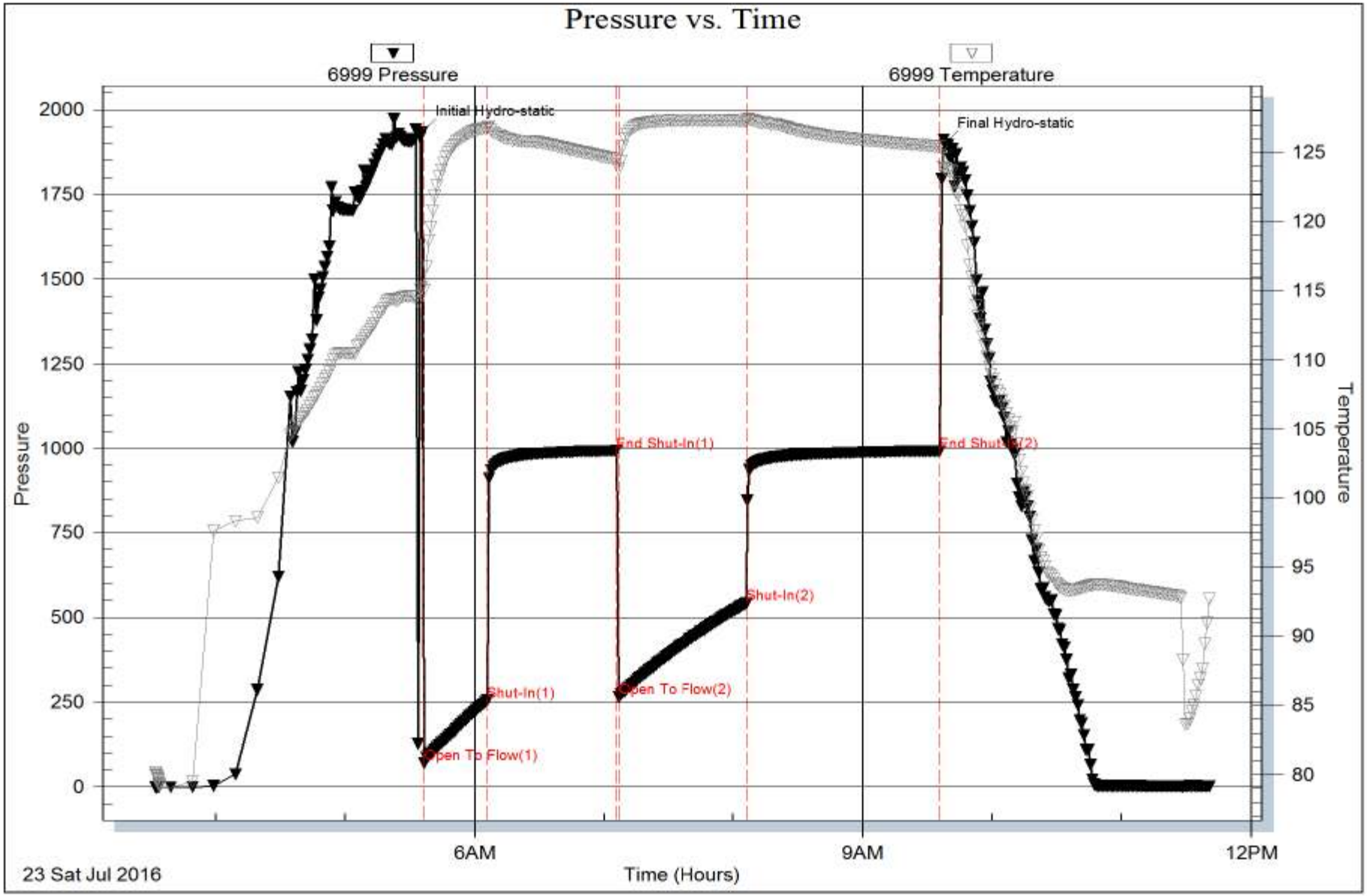
Total Length: 1147.00 ft Total Volume: 14.996 bbl

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

Laboratory Name: Laboratory Location:

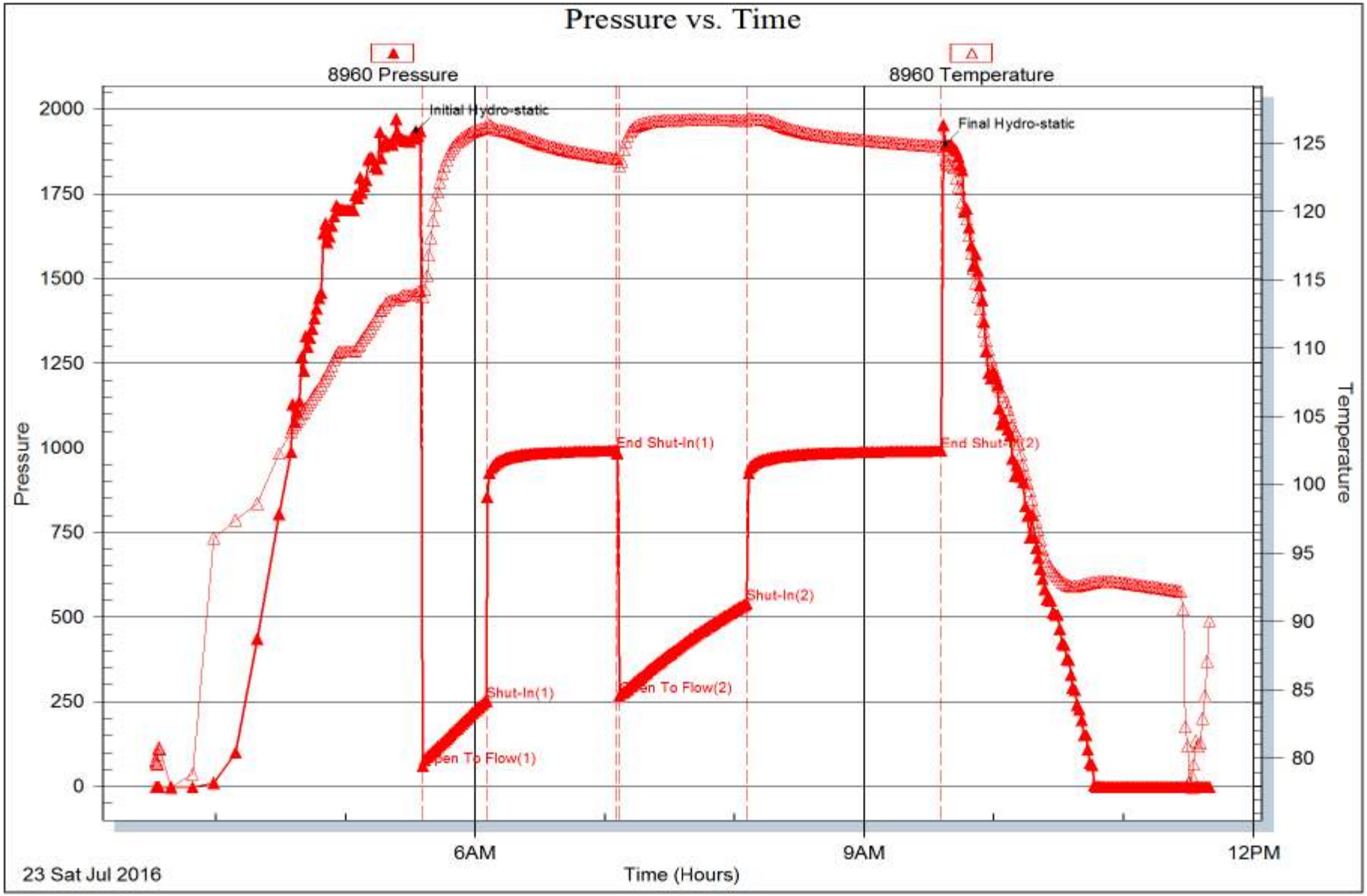
Recovery Comments: Fluid sampler recovery
2400 water ml
100 mud ml

Serial #: 6999 **Inside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 1




Trilobite Testing, Inc Ref. No: 65100 Printed: 2016.07.27 @ 15:10:38

Serial #: 8960 **Outside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 1




Trilobite Testing, Inc Ref. No: 65100 Printed: 2016.07.27 @ 15:10:38

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corperation Incorporated**

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602

ATTN: Dave Goldak

## Eikelberger #1-21

## 21-17s-32w Scott,KS

Start Date: 2016.07.24 @ 04:44:00
End Date: 2016.07.24 @ 12:44:30
Job Ticket #: 65102 DST #: 2

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

Printed: 2016.07.27 @ 15:10:15

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65102 **DST#: 2**

Test Start: 2016.07.24 @ 04:44:00

## GENERAL INFORMATION:

Formation: **LKC I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:40:00
Time Test Ended: 12:44:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

**Interval: 4194.00 ft (KB) To 4218.00 ft (KB) (TVD)**
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

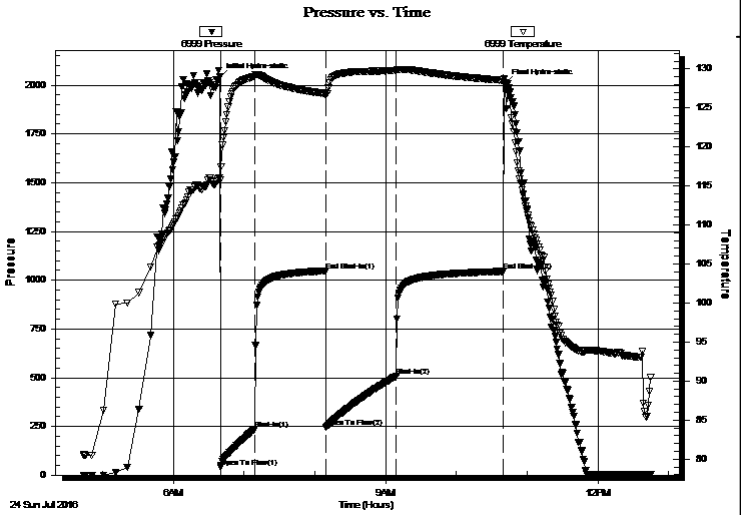
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 6999** **Inside**

Press@RunDepth: 509.00 psig @ 4214.00 ft (KB)
Start Date: 2016.07.24 End Date: 2016.07.24
Start Time: 04:44:05 End Time: 12:44:29

Capacity: 8000.00 psig
Last Calib.: 2016.07.24
Time On Btm: 2016.07.24 @ 06:39:30
Time Off Btm: 2016.07.24 @ 10:41:00

TEST COMMENT: IFP 30 Minutes BOB in 8 1/2 minutes
ISI 60 Minutes No blow back
FFP 60 Minutes BOB in 11 1/2 minutes
FSI 90 Minutes No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2040.48 | 116.07 | Initial Hydro-static |
| 1 | 41.45 | 115.83 | Open To Flow (1) |
| 30 | 236.39 | 129.05 | Shut-In(1) |
| 90 | 1047.67 | 126.85 | End Shut-In(1) |
| 90 | 245.65 | 126.62 | Open To Flow (2) |
| 150 | 509.00 | 129.77 | Shut-In(2) |
| 240 | 1044.67 | 128.56 | End Shut-In(2) |
| 242 | 2010.02 | 128.06 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1085.00 | GCMW Gas 2% Mud 3% Water 95% | 14.13 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65102 **DST#: 2**

Test Start: 2016.07.24 @ 04:44:00

## GENERAL INFORMATION:

Formation: **LKC I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:40:00
Time Test Ended: 12:44:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

**Interval: 4194.00 ft (KB) To 4218.00 ft (KB) (TVD)**
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

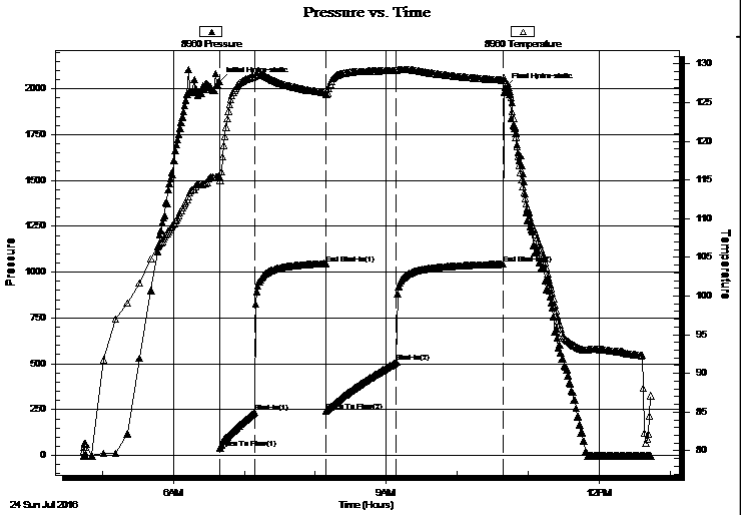
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 8960** **Outside**

Press@RunDepth: 1043.27 psig @ 4215.00 ft (KB)
Start Date: 2016.07.24 End Date: 2016.07.24
Start Time: 04:44:05 End Time: 12:43:59

Capacity: 8000.00 psig
Last Calib.: 2016.07.24
Time On Btm: 2016.07.24 @ 06:39:00
Time Off Btm: 2016.07.24 @ 10:40:30

TEST COMMENT: IFP 30 Minutes BOB in 8 1/2 minutes
ISI 60 Minutes No blow back
FFP 60 Minutes BOB in 11 1/2 minutes
FSI 90 Minutes No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2039.23 | 115.36 | Initial Hydro-static |
| 1 | 39.67 | 114.91 | Open To Flow (1) |
| 30 | 235.12 | 128.39 | Shut-In(1) |
| 90 | 1046.69 | 126.30 | End Shut-In(1) |
| 90 | 243.63 | 126.00 | Open To Flow (2) |
| 150 | 507.66 | 129.13 | Shut-In(2) |
| 240 | 1043.27 | 127.92 | End Shut-In(2) |
| 242 | 2008.20 | 127.82 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1085.00 | GCMW Gas 2% Mud 3% Water 95% | 14.13 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkw ay
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65102 **DST#: 2**

Test Start: 2016.07.24 @ 04:44:00

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4069.00 ft | Diameter: | 3.80 | inches | Volume: | 57.08 | bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 | inches | Volume: | 0.00 | bbl | |
| Drill Collar: | Length: | 120.00 ft | Diameter: | 2.25 | inches | Volume: | 0.59 | bbl | |
| | | | | | | Total Volume: | 57.67 | bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 25.00 ft |
| Depth to Top Packer: | 4194.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 24.00 ft |
| Tool Length: | 54.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | | |
|---|---|---|
| Tool Weight: | | 2000.00 lb |
| Weight set on Packer: | | 20000.00 lb |
| Weight to Pull Loose: | | 76000.00 lb |
| Tool Chased | | 0.00 ft |
| String Weight: | Initial | 56000.00 lb |
| | Final | 62000.00 lb |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Shut-In Tool | 5.00 | | | 4169.00 | | |
| Sampler | 3.00 | | | 4172.00 | | |
| Hydraulic tool | 5.00 | | | 4177.00 | | |
| Jars | 5.00 | | | 4182.00 | | |
| Safety Joint | 2.00 | | | 4184.00 | | |
| Top Packer | 5.00 | | | 4189.00 | | |
| Packer | 5.00 | | | 4194.00 | 30.00 | Bottom Of Top Packer |
| Anchor | 19.00 | | | 4213.00 | | |
| Recorder | 1.00 | 6999 | Inside | 4214.00 | | |
| Recorder | 1.00 | 8960 | Outside | 4215.00 | | |
| Bullnose | 3.00 | | | 4218.00 | 24.00 | Anchor Tool |
| **Total Tool Length:** | **54.00** | | | | | |

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65102 **DST#: 2**

Test Start: 2016.07.24 @ 04:44:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 27000 ppm |
| Viscosity: | 56.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 8.75 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 3300.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

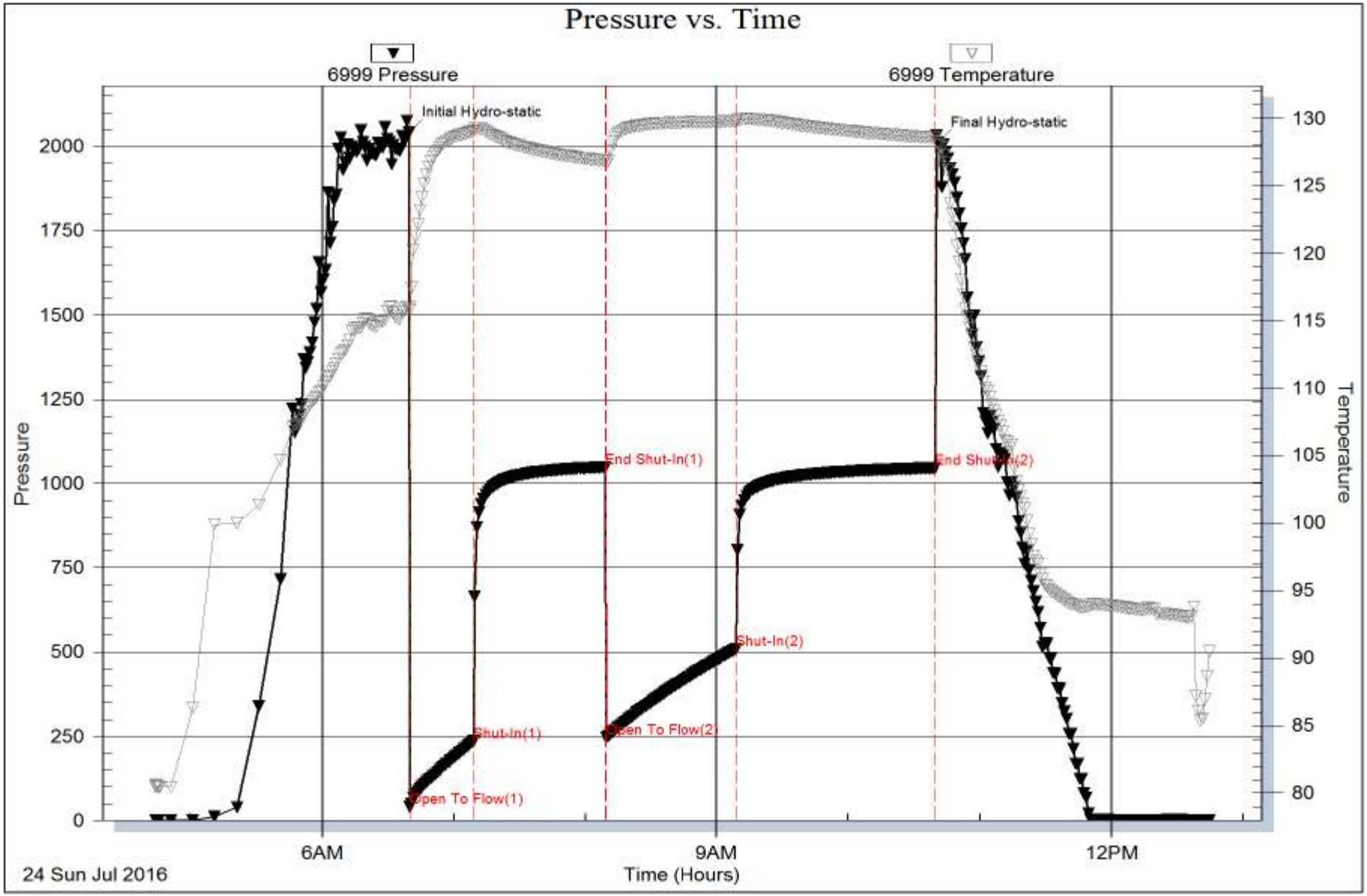
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 1085.00 | GCMW Gas 2% Mud 3% Water 95% | 14.127 |

Total Length: 1085.00 ft Total Volume: 14.127 bbl

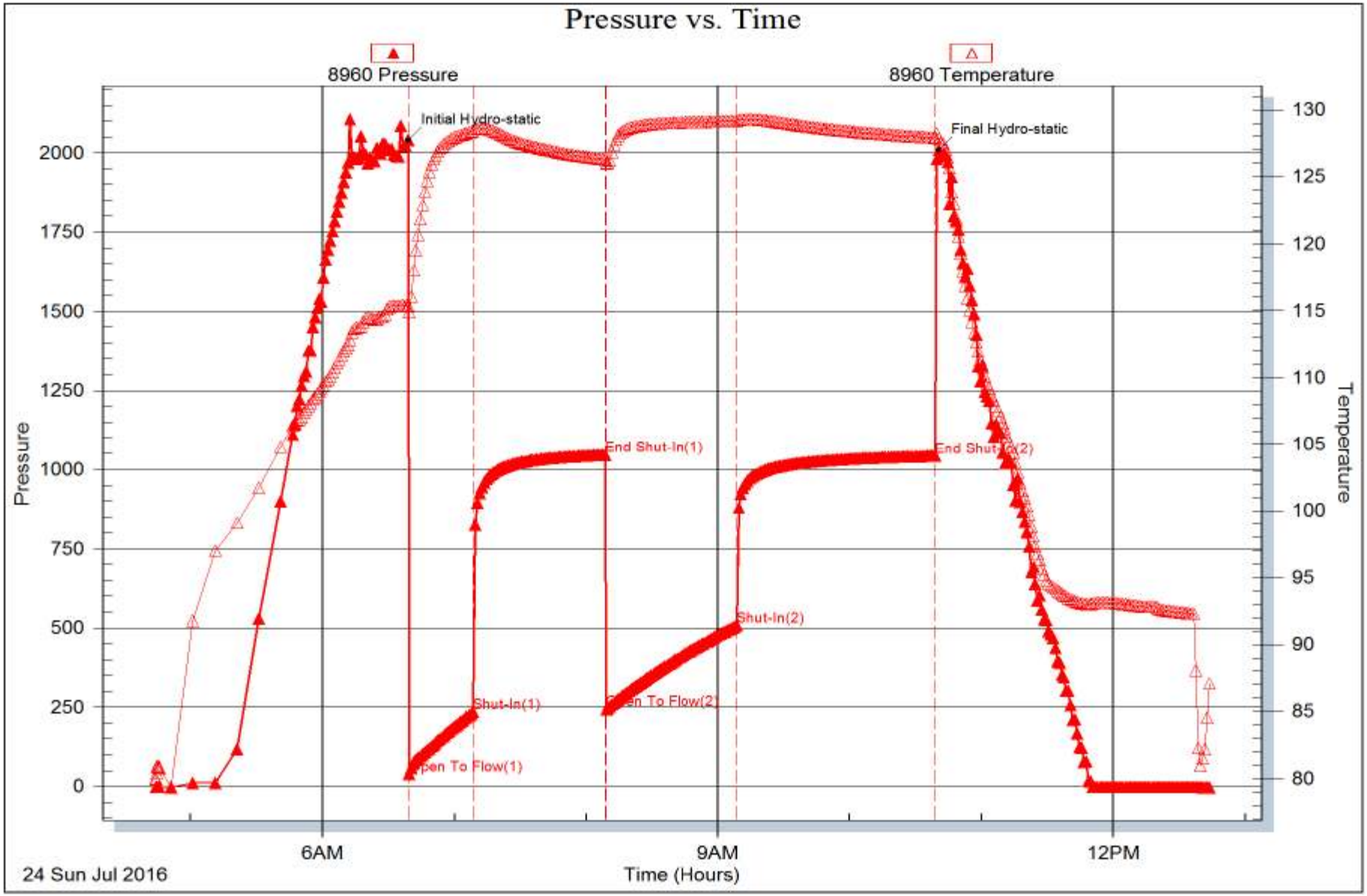
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6999 **Inside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 2




Trilobite Testing, Inc Ref. No: 65102 Printed: 2016.07.27 @ 15:10:16

Serial #: 8960 **Outside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 2




Trilobite Testing, Inc Ref. No: 65102 Printed: 2016.07.27 @ 15:10:17

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corperation Incorporated**

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602

ATTN: Dave Goldak

## Eikelberger #1-21

## 21-17s-32w Scott,KS

Start Date: 2016.07.25 @ 06:50:00
End Date: 2016.07.25 @ 10:52:00
Job Ticket #: 65103 DST #: 3

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

Printed: 2016.07.27 @ 15:09:53

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65103 **DST#: 3**

Test Start: 2016.07.25 @ 06:50:00

## GENERAL INFORMATION:

Formation: **Marmaton B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:15:30
Time Test Ended: 10:52:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

**Interval: 4344.00 ft (KB) To 4398.00 ft (KB) (TVD)**
Total Depth: 4398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

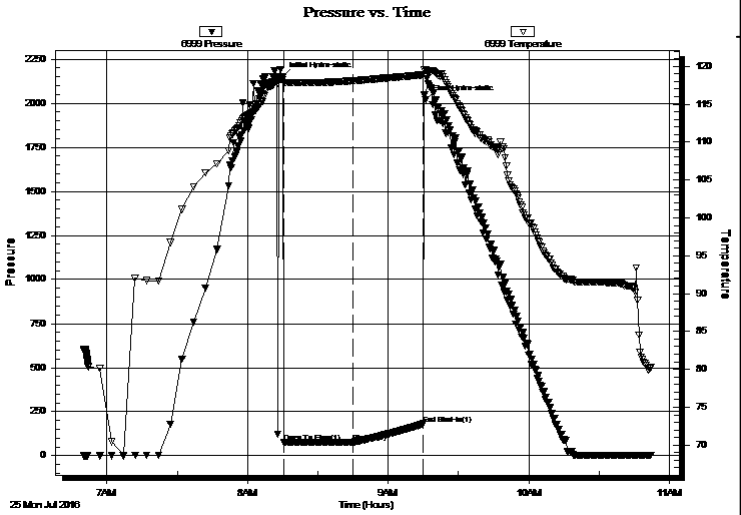
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 6999** **Inside**

Press@RunDepth: 76.77 psig @ 4393.55 ft (KB)
Start Date: 2016.07.25 End Date: 2016.07.25
Start Time: 06:50:05 End Time: 10:52:00

Capacity: 8000.00 psig
Last Calib.: 2016.07.25
Time On Btm: 2016.07.25 @ 08:15:00
Time Off Btm: 2016.07.25 @ 09:16:00

TEST COMMENT: Initial set on tool had partial packer failure second set on tool packers held
IFP 30 Minutes Dead no blow
ISI 30 Minutes No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2149.00 | 118.27 | Initial Hydro-static |
| 1 | 76.08 | 117.86 | Open To Flow (1) |
| 30 | 76.77 | 118.09 | Shut-In(1) |
| 60 | 181.49 | 118.88 | End Shut-In(1) |
| 61 | 2021.85 | 119.52 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 70.00 | Mud 100% | 0.34 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65103 **DST#: 3**

Test Start: 2016.07.25 @ 06:50:00

## GENERAL INFORMATION:

Formation: **Marmaton B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:15:30
Time Test Ended: 10:52:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

**Interval: 4344.00 ft (KB) To 4398.00 ft (KB) (TVD)**
Total Depth: 4398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

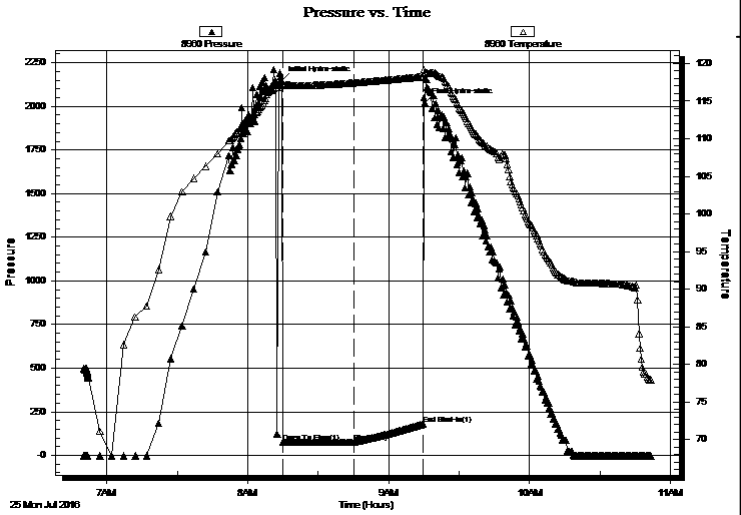
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 8960** **Outside**

Press@RunDepth: 180.48 psig @ 4394.55 ft (KB)
Start Date: 2016.07.25 End Date: 2016.07.25
Start Time: 06:50:05 End Time: 10:51:30

Capacity: 8000.00 psig
Last Calib.: 2016.07.25
Time On Btm: 2016.07.25 @ 08:14:30
Time Off Btm: 2016.07.25 @ 09:15:30

TEST COMMENT: Initial set on tool had partial packer failure second set on tool packers held
IFP 30 Minutes Dead no blow
ISI 30 Minutes No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2147.05 | 117.62 | Initial Hydro-static |
| 1 | 73.89 | 117.13 | Open To Flow (1) |
| 31 | 76.54 | 117.42 | Shut-In(1) |
| 60 | 180.48 | 118.24 | End Shut-In(1) |
| 61 | 2020.02 | 118.73 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 70.00 | Mud 100% | 0.34 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkw ay
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65103 **DST#: 3**

Test Start: 2016.07.25 @ 06:50:00

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4197.00 ft | Diameter: | 3.80 | inches | Volume: | 58.87 | bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 | inches | Volume: | 0.00 | bbl | |
| Drill Collar: | Length: | 120.00 ft | Diameter: | 2.25 | inches | Volume: | 0.59 | bbl | |
| | | | | | | Total Volume: | 59.46 | bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 4.00 ft |
| Depth to Top Packer: | 4344.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 53.55 ft |
| Tool Length: | 84.55 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | | |
|---|---|---|
| Tool Weight: | | 2000.00 lb |
| Weight set on Packer: | | 20000.00 lb |
| Weight to Pull Loose: | | 80000.00 lb |
| Tool Chased | | 0.00 ft |
| String Weight: | Initial | 58000.00 lb |
| | Final | 60000.00 lb |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Shut-In Tool | 5.00 | | | 4318.00 | | |
| Sampler | 3.00 | | | 4321.00 | | |
| Hydraulic tool | 5.00 | | | 4326.00 | | |
| Jars | 6.00 | | | 4332.00 | | |
| Safety Joint | 2.00 | | | 4334.00 | | |
| Top Packer | 5.00 | | | 4339.00 | | |
| Packer | 5.00 | | | 4344.00 | 31.00 | Bottom Of Top Packer |
| Anchor | 1.00 | | | 4345.00 | | |
| Change Over Sub | 1.00 | | | 4346.00 | | |
| Drill Pipe | 31.55 | | | 4377.55 | | |
| Change Over Sub | 1.00 | | | 4378.55 | | |
| Anchor | 14.00 | | | 4392.55 | | |
| Recorder | 1.00 | 6999 | Inside | 4393.55 | | |
| Recorder | 1.00 | 8960 | Outside | 4394.55 | | |
| Bullnose | 3.00 | | | 4397.55 | 53.55 | Anchor Tool |
| **Total Tool Length:** | **84.55** | | | | | |

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65103 **DST#: 3**

Test Start: 2016.07.25 @ 06:50:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | ppm |
| Viscosity: | 54.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.97 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

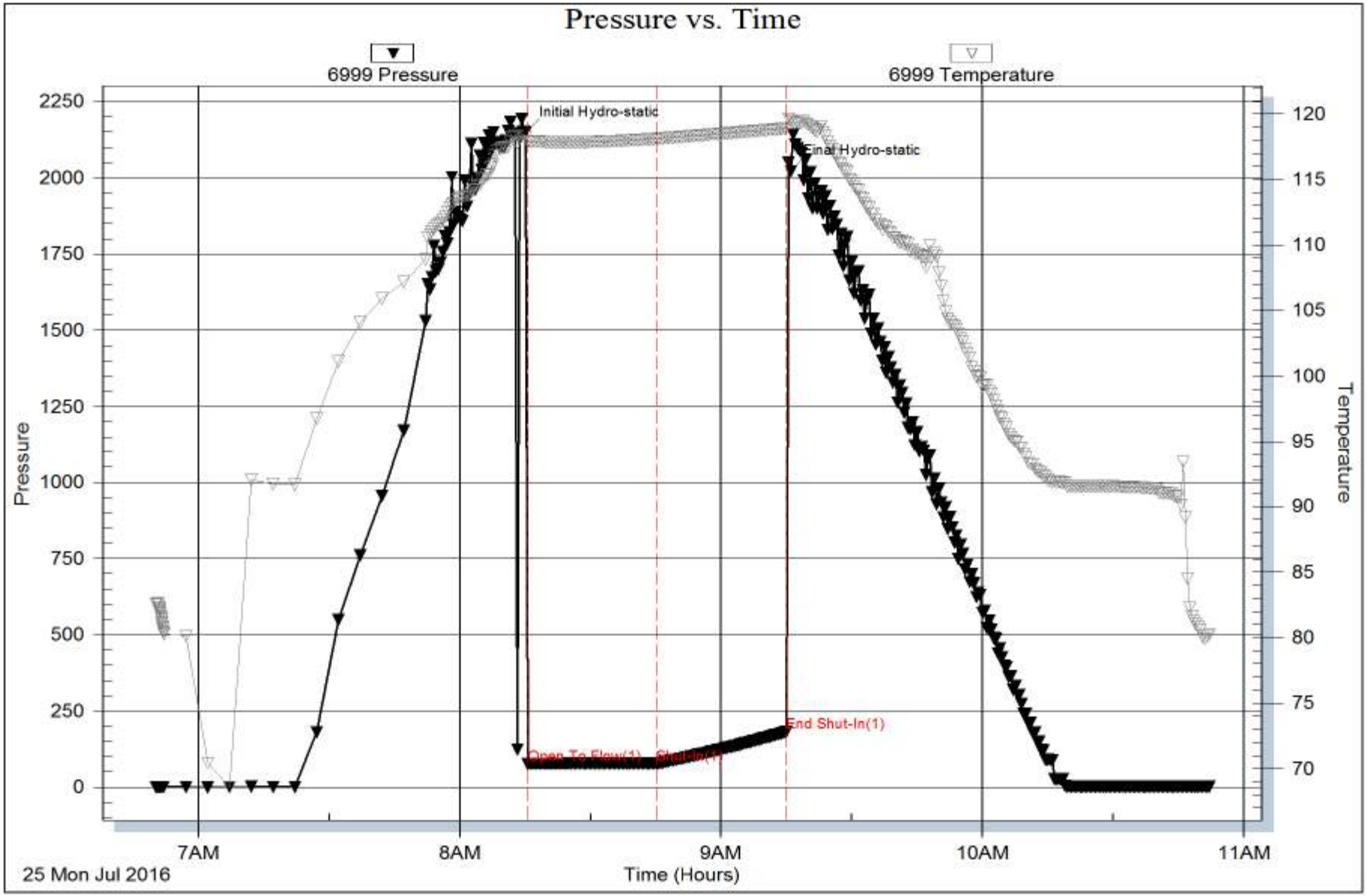
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 70.00 | Mud 100% | 0.344 |

Total Length: 70.00 ft Total Volume: 0.344 bbl

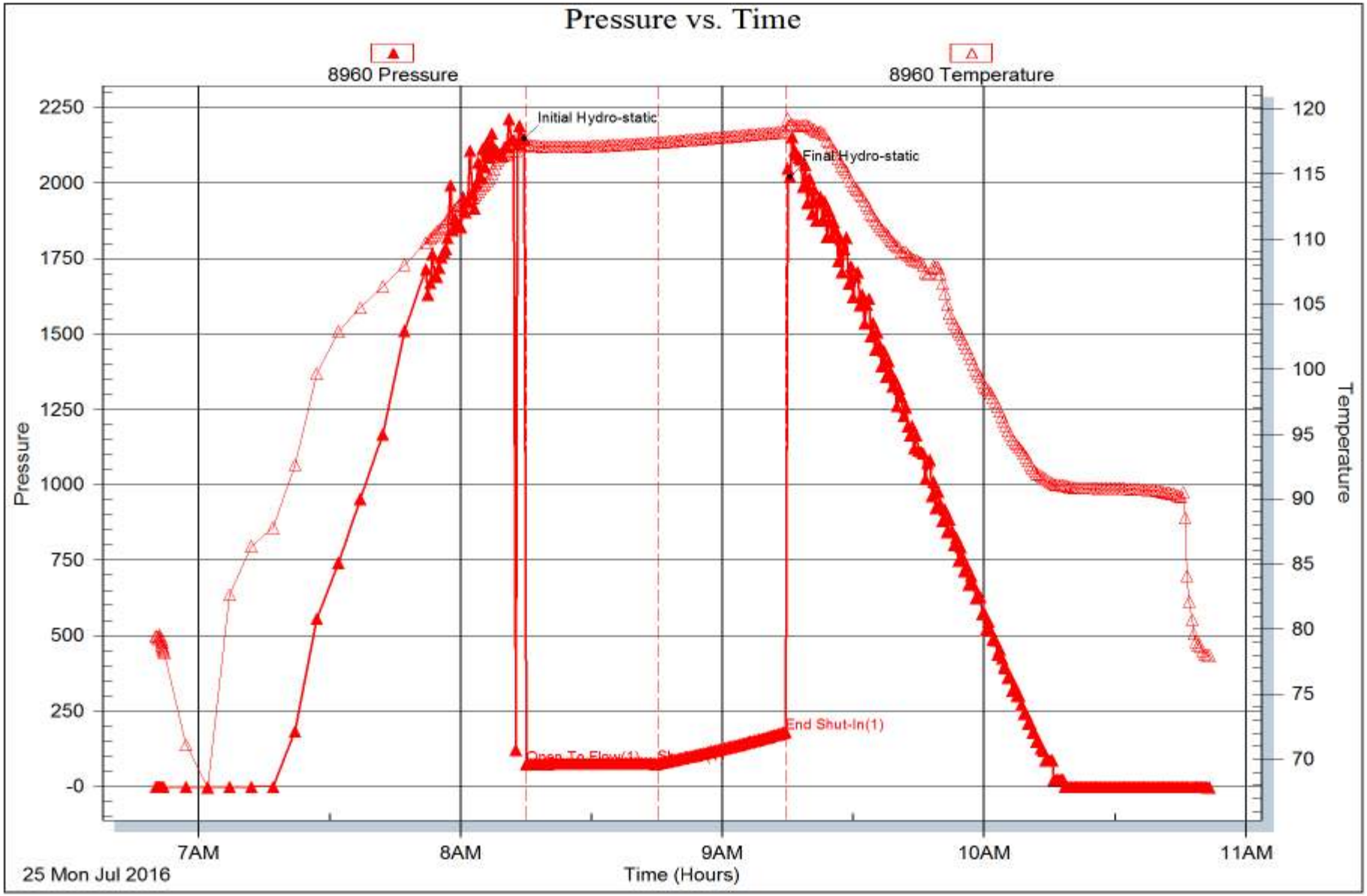
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Sampler recovery 2500 ml mud

Serial #: 6999 **Inside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 3




Trilobite Testing, Inc Ref. No: 65103 Printed: 2016.07.27 @ 15:09:54

Serial #: 8960 **Outside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 3




Trilobite Testing, Inc Ref. No: 65103 Printed: 2016.07.27 @ 15:09:55

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corperation Incorporated**

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602

ATTN: Dave Goldak

## Eikelberger #1-21

## 21-17s-32w Scott,KS

Start Date: 2016.07.26 @ 09:56:00
End Date: 2016.07.26 @ 14:09:30
Job Ticket #: 65104 DST #: 4

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

Printed: 2016.07.27 @ 15:09:15

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkw ay
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65104 **DST#: 4**

Test Start: 2016.07.26 @ 09:56:00

## GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:29:00
Time Test Ended: 14:09:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Sw inney
Unit No: 72

**Interval: 4585.00 ft (KB) To 4646.00 ft (KB) (TVD)**
Total Depth: 4646.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

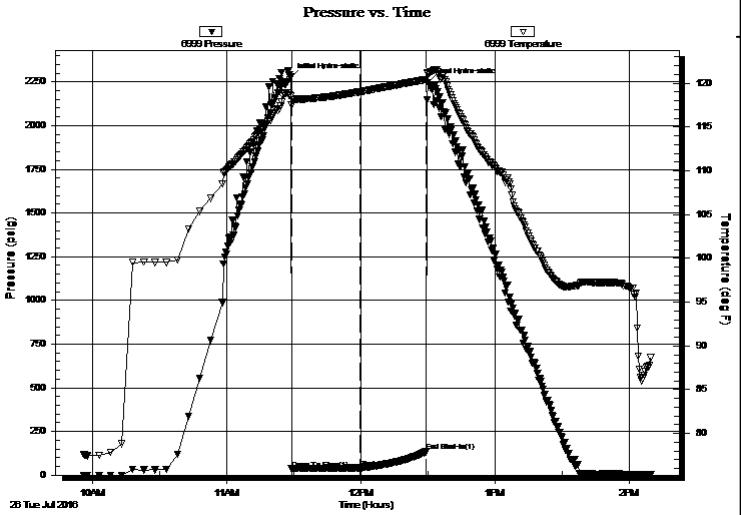
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 6999** **Inside**

Press@RunDepth: 41.58 psig @ 4637.32 ft (KB)
Start Date: 2016.07.26 End Date: 2016.07.26
Start Time: 09:56:05 End Time: 14:09:30

Capacity: 8000.00 psig
Last Calib.: 2016.07.26
Time On Btm: 2016.07.26 @ 11:28:30
Time Off Btm: 2016.07.26 @ 12:30:00

TEST COMMENT: IFP 30 Minutes 1/4 inch blow died in 9 minutes
ISI 30 Mintues No blow back
Pull test




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2276.82 | 118.53 | Initial Hydro-static |
| 1 | 36.06 | 117.49 | Open To Flow (1) |
| 31 | 41.58 | 119.02 | Shut-In(1) |
| 61 | 134.08 | 120.42 | End Shut-In(1) |
| 62 | 2247.00 | 121.07 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 10.00 | Mud 100% | 0.05 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65104 **DST#: 4**

Test Start: 2016.07.26 @ 09:56:00

## GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:29:00
Time Test Ended: 14:09:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

**Interval: 4585.00 ft (KB) To 4646.00 ft (KB) (TVD)**
Total Depth: 4646.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

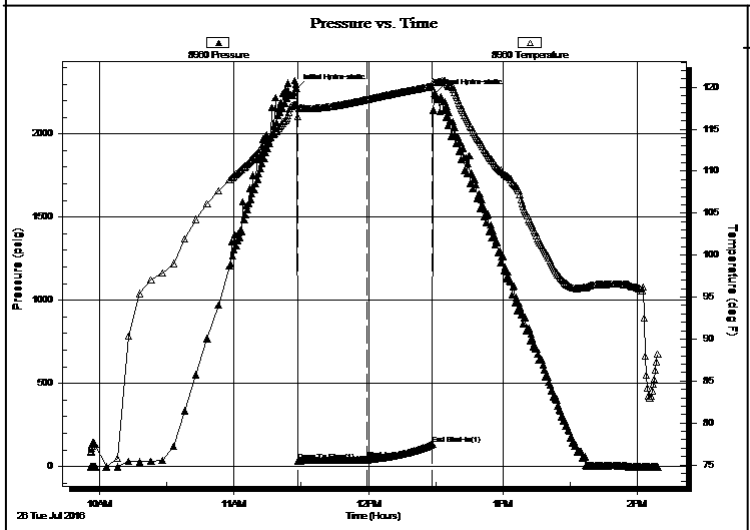
Reference Elevations: 2999.00 ft (KB)
2994.00 ft (CF)
KB to GR/CF: 5.00 ft

**Serial #: 8960** **Outside**

Press@RunDepth: 133.93 psig @ 4638.32 ft (KB)
Start Date: 2016.07.26 End Date: 2016.07.26
Start Time: 09:56:05 End Time: 14:09:00

Capacity: 8000.00 psig
Last Calib.: 2016.07.26
Time On Btm: 2016.07.26 @ 11:28:00
Time Off Btm: 2016.07.26 @ 12:29:30

TEST COMMENT: IFP 30 Minutes 1/4 inch blow died in 9 minutes
ISI 30 Mintues No blow back
Pull test




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2274.63 | 117.90 | Initial Hydro-static |
| 1 | 33.35 | 116.52 | Open To Flow (1) |
| 32 | 40.19 | 118.56 | Shut-In(1) |
| 61 | 133.93 | 120.11 | End Shut-In(1) |
| 62 | 2245.18 | 120.54 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 10.00 | Mud 100% | 0.05 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkw ay
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65104 **DST#: 4**

Test Start: 2016.07.26 @ 09:56:00

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4447.00 ft | Diameter: | 3.80 inches | Volume: | 62.38 bbl | Tool Weight: | | 2000.00 lb |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | Weight set on Packer: | | 20000.00 lb |
| Drill Collar: | Length: | 120.00 ft | Diameter: | 2.25 inches | Volume: | 0.59 bbl | Weight to Pull Loose: | | 72000.00 lb |
| | | | | | Total Volume: | 62.97 bbl | Tool Chased | | 0.00 ft |
| Drill Pipe Above KB: | | 13.00 ft | | | | | String Weight: | Initial | 60000.00 lb |
| Depth to Top Packer: | | 4585.00 ft | | | | | | Final | 60000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval betw een Packers: | | 56.32 ft | | | | | | | |
| Tool Length: | | 87.32 ft | | | | | | | |
| Number of Packers: | | 2 | Diameter: | 6.75 inches | | | | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Shut-In Tool | 5.00 | | | 4559.00 | | |
| Sampler | 3.00 | | | 4562.00 | | |
| Hydraulic tool | 5.00 | | | 4567.00 | | |
| Jars | 6.00 | | | 4573.00 | | |
| Safety Joint | 2.00 | | | 4575.00 | | |
| Top Packer | 5.00 | | | 4580.00 | | |
| Packer | 5.00 | | | 4585.00 | 31.00 | Bottom Of Top Packer |
| Anchor | 4.00 | | | 4589.00 | | |
| Change Over Sub | 1.00 | | | 4590.00 | | |
| Drill Pipe | 31.32 | | | 4621.32 | | |
| Change Over Sub | 1.00 | | | 4622.32 | | |
| Anchor | 14.00 | | | 4636.32 | | |
| Recorder | 1.00 | 6999 | Inside | 4637.32 | | |
| Recorder | 1.00 | 8960 | Outside | 4638.32 | | |
| Bullnose | 3.00 | | | 4641.32 | 56.32 | Anchor Tool |
| **Total Tool Length:** | **87.32** | | | | | |

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corperation Incorporated

1625 N Waterfront Parkway
Suite 200
Wichita KS 67206+6602
ATTN: Dave Goldak

**21-17s-32w Scott,KS**

**Eikelberger #1-21**

Job Ticket: 65104 **DST#: 4**

Test Start: 2016.07.26 @ 09:56:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | ppm |
| Viscosity: | 54.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.19 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4200.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 10.00 | Mud 100% | 0.049 |

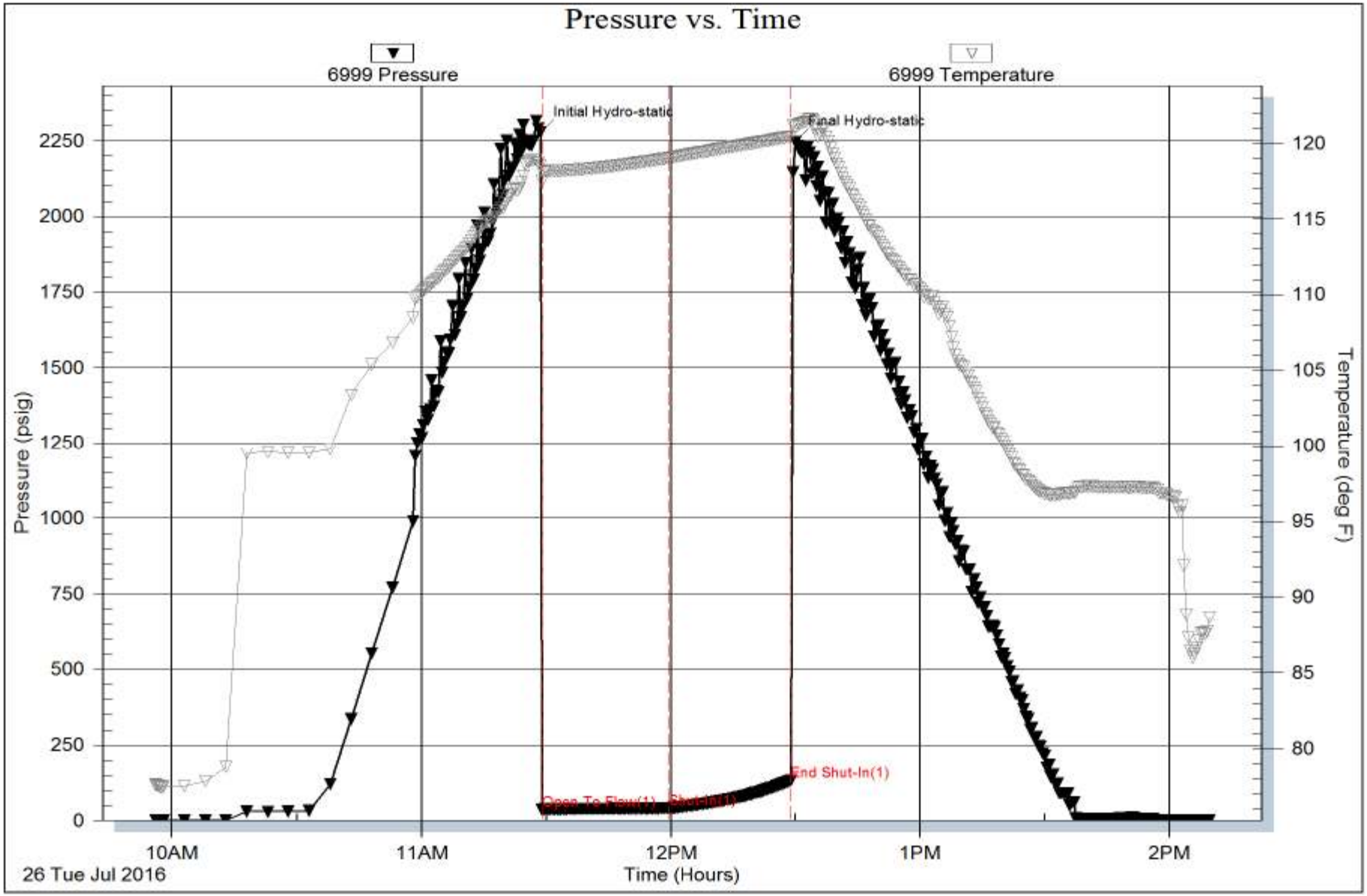
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

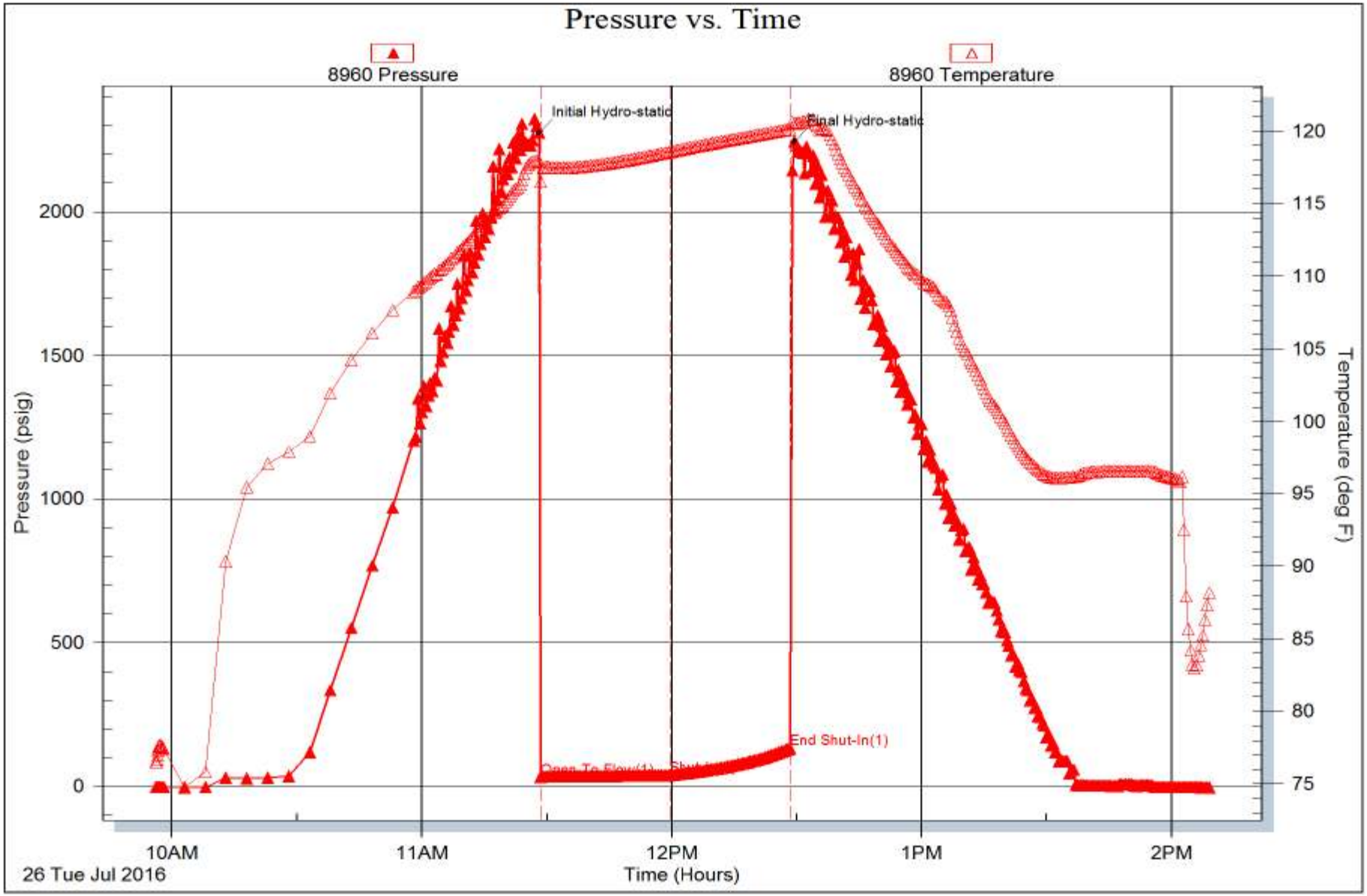
Recovery Comments: Sampler Recovery
2500 ml mud
30 psi

Serial #: 6999 **Inside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 4




Trilobite Testing, Inc Ref. No: 65104 Printed: 2016.07.27 @ 15:09:17

Serial #: 8960 **Outside** Stelbar Oil Corperation Incorporated Eikelberger #1-21 DST Test Number: 4




Trilobite Testing, Inc Ref. No: 65104 Printed: 2016.07.27 @ 15:09:18

# TRILOBITE TESTING INC.

4/10

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65100

Well Name & No. Eikelberger #1-21 Test No. 1 Date 23 July 16

Company Stelbar Oil Corperation Incorperated Elevation 2999 KB 2994 GL

Address 1625 N Waterfront Parkway Suite 200 Wichita, Kansas 67206+6602

Co. Rep / Geo. Dave Goldak Rig WW Rig 10

Location: Sec. 21 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 3999-4028 Zone Tested Lansing/Kansas City zone B

Anchor Length 29 Drill Pipe Run 3853 Mud Wt. 8.8

Top Packer Depth 3994 Drill Collars Run 120 Vis 68

Bottom Packer Depth 3999 Wt. Pipe Run — WL 7.2

Total Depth 4028 Chlorides 3000 ppm System LCM 1#

Blow Description I.F. Blow built to bottom of bucket in 9 minutes

I.S.I. no blow back

F.F. Blow built to bottom of bucket in 11 minutes

F.S.I. no blow back

| | | | | | | |
|---|---|---|---|---|---|---|
| Rec 1147 | Feet of muddy water with show of oil | %gas | %oil 95 | %water 5 | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 1147 BHT 125 Gravity ____ API RW .187 @ 97 °F Chlorides 25000 ppm

| | | | |
|---|---|---|---|
| (A) Initial Hydrostatic 1933 | ☑ Test 1150 | T-On Location 2:34 am |
| (B) First Initial Flow 70 | ☑ Jars 250 | T-Started 3:31 am |
| (C) First Final Flow 255 | ☑ Safety Joint 75 | T-Open 5:35 am |
| (D) Initial Shut-In 992 | ☐ Circ Sub | T-Pulled 9:35 am |
| (E) Second Initial Flow 265 | ☐ Hourly Standby | T-Out 11:40 am |
| (F) Second Final Flow 541 | ☑ Mileage 16 12 | Comments Initial attempt to set partial packer f.f. |
| (G) Final Shut-In 991 | ☑ Sampler 250 | |
| (H) Final Hydrostatic 1898 | ☐ Straddle | ☐ Ruined Shale Packer |
| | ☐ Shale Packer | ☐ Ruined Packer |
| Initial Open 30 | ☐ Extra Packer | ☐ Extra Copies |
| Initial Shut-In 60 | ☐ Extra Recorder | Sub Total 0 |
| Final Flow 60 | ☐ Day Standby | Total 1737 |
| Final Shut-In 90 | ☐ Accessibility | MP/DST Disc't |
| | Sub Total 1737 | |

Approved By [signature] Our Representative [signature]

# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 65100 Date 23 July 16

Company Name Stelbar Oil Corperation Inc.

Lease Eikelberger 1-21 Test No. 1

County Scott Sec. 21 Twp. 17S Rng. 32W

## SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud 100 ML

Water 2400 ML

Other _____ ML

Pressure 100 psi ML

Total 2500 ML

## PIT MUD ANALYSIS

Chlorides 3000 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 68

Mud Weight 8.8

Filtrate 7.2

Other _____

## SAMPLER ANALYSIS

Resistivity .185 ohms @ 97 F

Chlorides 25,000 ppm.

Gravity _____ corrected @60F

## PIPE RECOVERY

**TOP**

Resistivity .190 ohms @ 95 F

Chlorides 25,500 ppm.

**MIDDLE**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

**BOTTOM**

Resistivity .187 ohms @ 97 F

Chlorides 25,000 ppm.

# TRILOBITE TESTING INC.

4/10

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65102

Well Name & No. Eikelberger #1-21 Test No. 2 Date 24 July 16

Company Stelbar Oil Corperation Incorperated Elevation 2989 KB 2994 GL

Address 1625 N Waterfront Parkway Suite 200 Wichita Kansas 67206+6602

Co. Rep / Geo. Dave Goldak Rig WW Rig 10

Location: Sec. 21 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 4194 - 4218 Zone Tested Lansing/Kansas City zone I

Anchor Length 24 Drill Pipe Run 4069 Mud Wt. 9.2

Top Packer Depth 4189 Drill Collars Run 120 Vis 56

Bottom Packer Depth 4194 Wt. Pipe Run — WL 8.8

Total Depth 4218 Chlorides 3300 ppm System LCM 2#

Blow Description I.F. Blow built to bottom of bucket in 8½ minutes

I.S.I. No blow back

F.F. Blow built to bottom of bucket in 11½ minutes

F.S.I. No blow back

| | | | | | |
|---|---|---|---|---|---|
| Rec 1085 | Feet of Gas & Mud cut Water & slow oil | 2 %gas | %oil | 95 %water | 3 %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 1085 BHT 128 Gravity ____ API RW .192 @ 91 °F Chlorides 27,000 ppm

| | | | | | |
|---|---|---|---|---|---|
| (A) Initial Hydrostatic | 2040 | ☑ Test | 1150 | T-On Location | 1:51 am |
| (B) First Initial Flow | 41 | ☑ Jars | 250 | T-Started | 4:44 am |
| (C) First Final Flow | 236 | ☑ Safety Joint | 75 | T-Open | 6:28 am |
| (D) Initial Shut-In | 1047 | ☐ Circ Sub | | T-Pulled | 10:28 am |
| (E) Second Initial Flow | 245 | ☐ Hourly Standby | | T-Out | 12:33 pm |
| (F) Second Final Flow | 509 | ☑ Mileage | 16 12 | Comments | |
| (G) Final Shut-In | 1044 | ☑ Sampler | 250 | | |
| (H) Final Hydrostatic | 2010 | ☐ Straddle | | ☐ Ruined Shale Packer | |
| | | ☐ Shale Packer | | ☐ Ruined Packer | |
| Initial Open | 30 | ☐ Extra Packer | | ☐ Extra Copies | |
| Initial Shut-In | 60 | ☐ Extra Recorder | | Sub Total | 0 |
| Final Flow | 60 | ☐ Day Standby | | Total | 1737 |
| Final Shut-In | 90 | ☐ Accessibility | | MP/DST Disc't | |
| | | Sub Total | 1737 | | |

Approved By _____ Our Representative _____

# TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 65102 Date 24 July 16

Company Name Stelbar Oil Corporation Incorporated

Lease Eikelberger #1-21 Test No. 2

County Scott Sec. 21 Twp. 17S Rng. 32W

## SAMPLER RECOVERY

Gas 2500 ML

Oil ____ ML

Mud ____ ML

Water ____ ML

Other ____ ML

Pressure ____ ML

Total ____ ML

## PIT MUD ANALYSIS

Chlorides 3300 ppm.

Resistivity ____ ohms @ ____ F

Viscosity 56

Mud Weight 9.2

Filtrate 8.8

Other ____

## SAMPLER ANALYSIS

Resistivity ____ ohms @ ____ F

Chlorides ____ ppm.

Gravity ____ corrected @60F

## PIPE RECOVERY

**TOP**

Resistivity .203 ohms @ 91 F

Chlorides 25000 ppm.

**MIDDLE**

Resistivity .192 ohms @ 91 F

Chlorides 27000 ppm.

**BOTTOM**

Resistivity .185 ohms @ 91 F

Chlorides 28000 ppm.

# TRILOBITE TESTING INC.

4/10

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65103

Well Name & No. Eikelberger #1-21 Test No. 3 Date 25 July 16

Company Stelbar Oil Company Incorporated Elevation 2999 KB 2994 GL

Address 1625 N Waterfront Parkway Suite 200 Wichita Kansas 67206+6602

Co. Rep / Geo. Dave Goldak Rig WW Rig 10

Location: Sec. 21 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 4344-4398 Zone Tested Marmaton B

Anchor Length 54 Drill Pipe Run 4197 Mud Wt. 9.2

Top Packer Depth 4339 Drill Collars Run 120 Vis 54

Bottom Packer Depth 4344 Wt. Pipe Run — WL 8.0

Total Depth 4398 Chlorides 4000 ppm System LCM 2#

Blow Description Initial set on tool partial packer failure second set ok
I.F. Dead no blow
I.S.I no blow back
Pull tool

| | | | | | |
|---|---|---|---|---|---|
| Rec 70 | Feet of Mud | %gas | %oil | %water | 100 %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 70 BHT 118 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

| | | | | | |
|---|---|---|---|---|---|
| (A) Initial Hydrostatic | 2149 | ☑ Test | 1150 | T-On Location | 3:05 am |
| (B) First Initial Flow | 76 | ☑ Jars | 250 | T-Started | 6:50 am |
| (C) First Final Flow | 76 | ☑ Safety Joint | 75 | T-Open | 8:15 am |
| (D) Initial Shut-In | 181 | ☐ Circ Sub | | T-Pulled | 9:15 am |
| (E) Second Initial Flow | 2021 | ☐ Hourly Standby | | T-Out | 10:52 am |
| (F) Second Final Flow | | ☑ Mileage | 16 12 | Comments | |
| (G) Final Shut-In | | ☑ Sampler | 250 | | |
| (H) Final Hydrostatic | | ☐ Straddle | | ☐ Ruined Shale Packer | |
| | | ☐ Shale Packer | | ☐ Ruined Packer | |
| Initial Open | 30 | ☐ Extra Packer | | ☐ Extra Copies | |
| Initial Shut-In | 30 | ☐ Extra Recorder | | Sub Total | 0 |
| Final Flow | — | ☐ Day Standby | | Total | 1737 |
| Final Shut-In | — | ☐ Accessibility | | MP/DST Disc't | |
| | | Sub Total | 1737 | | |

Approved By _____ Our Representative _____

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. 65103 Date 25 July 16

Company Name Stelbar Oil Company Incorporated

Lease Eikelberger #1-21 Test No. 3

County Scott Sec. 21 Twp. 17S Rng. 32W

## SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud 2500 ML

Water _____ ML

Other _____ ML

Pressure 30 ML

Total 2500 ML

## PIT MUD ANALYSIS

Chlorides 4000 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 54

Mud Weight 9.2

Filtrate 8.0

Other _____

## SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity _____ corrected @60F

## PIPE RECOVERY

**TOP**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

**MIDDLE**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

**BOTTOM**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

## Test Ticket

NO. 65104

Well Name & No. E. Kolberger #1-21 Test No. 4 Date 26 July 16

Company Stelbar Oil Company Incorporated Elevation 2999 KB 2994 GL

Address 1625 N Waterfront Parkway Suite 200 Wichita Kansas 67206-6602

Co. Rep / Geo. Dave Goldak Rig WW Rig 10

Location: Sec. 21 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 4590 - 4646 Zone Tested Johnson

Anchor Length 56 Drill Pipe Run 4447 Mud Wt. 9.2

Top Packer Depth 4585 Drill Collars Run 120 Vis 54

Bottom Packer Depth 4590 Wt. Pipe Run — WL 7.2

Total Depth 4646 Chlorides 4200 ppm System LCM 2#

Blow Description I.F. ½ inch blow died in 9 minutes

I.S.I no blow back

Pull test

| | | | | | | |
|---|---|---|---|---|---|---|
| Rec 10 | Feet of Mud | %gas | %oil | %water 100 | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 10 BHT 121 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

| | | | |
|---|---|---|---|
| (A) Initial Hydrostatic 2276 | ☑ Test 1150 | T-On Location 6:51 am |
| (B) First Initial Flow 36 | ☑ Jars 250 | T-Started 9:56 ~~11:29~~ am |
| (C) First Final Flow 41 | ☑ Safety Joint 75 | T-Open 11:29 am |
| (D) Initial Shut-In 134 | ☐ Circ Sub | T-Pulled 12:29 pm |
| (E) Second Initial Flow — | ☐ Hourly Standby | T-Out 2:10 pm |
| (F) Second Final Flow — | ☑ Mileage 16 24 | Comments |
| (G) Final Shut-In — | ☑ Sampler 250 | loaded 6/26 22:00 |
| (H) Final Hydrostatic 2247 | ☐ Straddle | |
| | ☐ Shale Packer | ☐ Ruined Shale Packer |
| Initial Open 30 | ☐ Extra Packer | ☐ Ruined Packer |
| Initial Shut-In 30 | ☐ Extra Recorder | ☐ Extra Copies |
| Final Flow — | ☐ Day Standby | Sub Total 0 |
| Final Shut-In — | ☐ Accessibility | Total 1749 |
| | Sub Total 1749 | MP/DST Disc't |

Approved By ____ Our Representative ____

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. 65104 Date 26 July 16

Company Name Stelbar Oil Company Incorporated

Lease Eikelberger 1-21 Test No. 4

County Scott Sec. 21 Twp. 17S Rng. 32W

## SAMPLER RECOVERY

Gas _____ ML

Oil _____ ML

Mud 2500 ML

Water _____ ML

Other _____ ML

Pressure 30 ML

Total 2500 ML

## PIT MUD ANALYSIS

Chlorides _____ ppm.

Resistivity _____ ohms @ _____ F

Viscosity _____

Mud Weight _____

Filtrate _____

Other _____

## SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Gravity _____ corrected @60F

## PIPE RECOVERY

**TOP**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

**MIDDLE**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

**BOTTOM**

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

# GEOLOGIC REPORT

# DAVID J. GOLDAK

## WICHITA, KANSAS

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

| | | | |
|---|---|---|---|
| **Well Name:** | **Eikelberger #1-21** | | |
| **Location:** | **Section 21 - T17S - R32W** | | |
| **License Number:** | **API: 15-171-21175** | **Region:** | **Scott Co., KS** |
| **Spud Date:** | **07 / 19 / 2016** | **Drilling Completed:** | **07 / 27 / 2016** |
| **Surface Coordinates:** | **1773' FSL and 856' FWL**<br>**NW - SE - NW - SW** | | |
| **Bottom Hole Coordinates:** | | | |
| **Ground Elevation (ft):** | **2994'** | **K.B. Elevation (ft):** | **2999'** |
| **Logged Interval (ft):** | **3700' To: 4775'** | **Total Depth (ft):** | **4775'** |
| **Formation:** | **Mississippian - St Louis** | | |
| **Type of Drilling Fluid:** | **Chemical - Mud-Co** | | |



### OPERATOR

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

### GEOLOGIST

**Name:** **David J. Goldak**
**Company:** **D. J. GOLDAK, INC.**
**Address:** **12427 W Ridgepoint Cir**
**Wichita, Kansas 67235**

### General Info

**CONTRACTOR: WW Drilling, Rig #10**

**BIT RECORD:**

| No. | Size | Make | Jets | Out | Feet | Hours |
|---|---|---|---|---|---|---|
| 1 | 12-1/4 | Smith-? | 15-15-15 | 302 | 302 | 3.00 |
| 2 | 7-7/8 | Smith-F27 | 15-15-15 | 4775 | 4473 | 95.75 |

**SURVEYS: 302'-1.00, 4028'-1.25, 4775'-1.00**

**GENERAL DRILLING & PUMP INFORMATION:**
**Drilling with 8 stands of collars (6.25"x2.25"): 486.78'**
**Drilling with 38,000 lbs on bit and 80-85 RPM.**
**Pumping 60 S/M; 7.74 B/M; 850-900 psi at the standpipe.**

## Daily Status

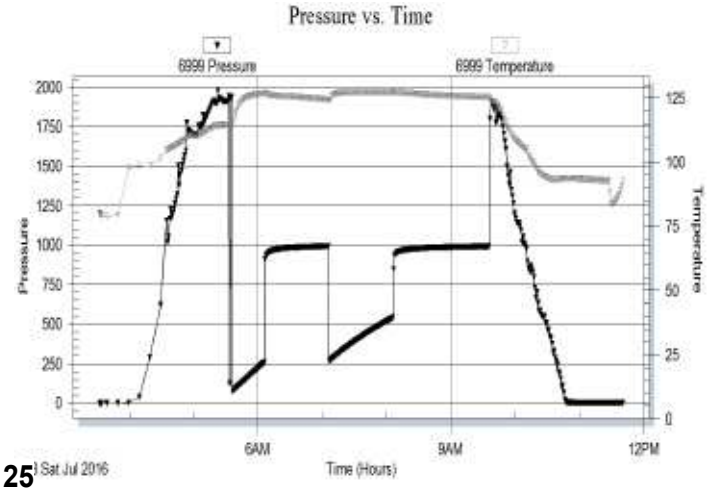
**07/19/16 - Spud at 1:00 PM; Set 8-5/8" csg at 302'**
**07/20/16 - 715' Drilling**
**07/21/16 - 2,870' Stuck; Displace mud @ 3,383'**
**07/22/16 - 3,916' Drilling**
**07/23/16 - 4,028' DST #1**
**07/24/16 - 4,218' DST #2**
**07/25/16 - 4,398' DST #3**
**07/26/16 - 4,646' TOH for DST #4**
**07/27/16 - 4,775' Logging**

**DST #1: 3,999' - 4,028' (LKC "B")**
**30" - 60" - 60" - 90"**

**IF: Good blow building to BOB in 9 minutes**
**ISI: No blow back**
**FF: Good blow building to BOB in 11 minutes**
**FSI: No blow back**

**RECOVERY: 1,147' Total Fluid, consisting of:**
**1,147' MW (95% W, 5% M)**
**Chlorides recovery: 25,000 ppm**
**Sampler: 100 ml Mud & 2,400 ml Water @ 100 psi**

**SIP: 993-992; FP: 71-255, 265-542; HP: 1934-1898; BHT: 125**

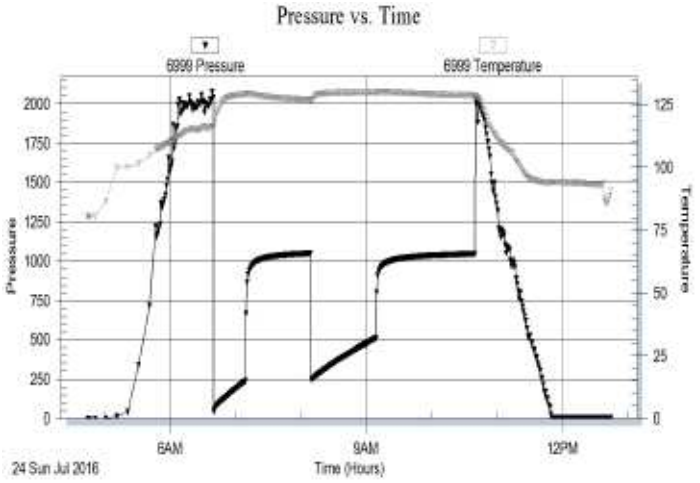



**DST #2: 4,194' - 4,218' (LKC "I")**
**30" - 60" - 60" - 90"**

**IF: Good blow building to BOB in 8.5 minutes**
**ISI: No blow back**
**FF: Good blow building to BOB in 11.5 minutes**
**FSI: No blow back**

**RECOVERY: 1,085' Total Fluid, consisting of:**
**1,085' SG&MCW (2% G, 95% W, 3% M)**
**Chlorides recovery: 27,000 ppm**

**SIP: 1048-1045; FP: 41-236, 246-509; HP: 2040-2010; BHT: 128**

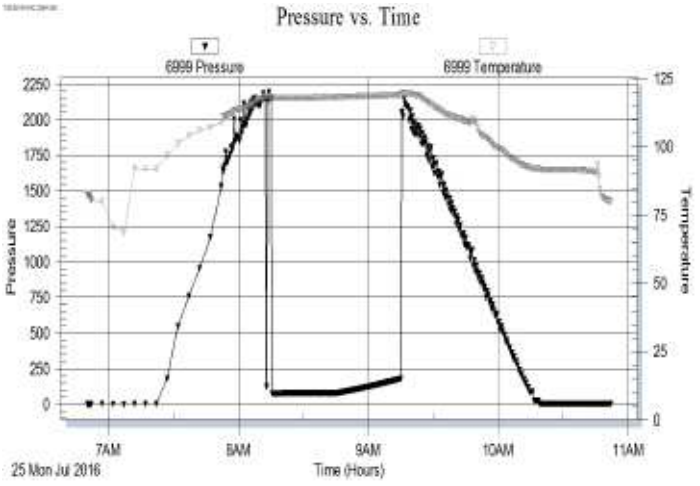



**DST #3: 4,344' - 4,398' (Marmaton)**
**30" - 30" - 0" - 0"**

**IF: No blow**
**ISI: No blow back**
**FF: N/A**
**FSI: N/A**

**RECOVERY: 70' Total Fluid, consisting of:**
**70' Mud (100% M)**
**Sampler: 2500 ml Mud**

**SIP: 181; FP: 76-77; HP: 2149-2022; BHT: 118**

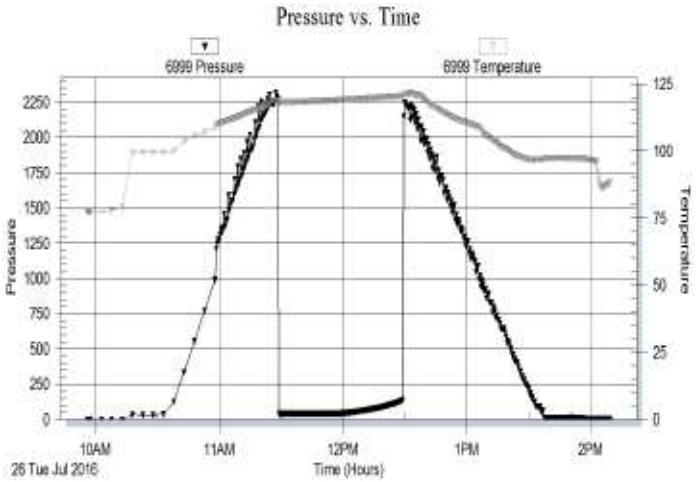


**DST #4: 4,590' - 4,646' (Johnson Zn & Basal Sd)**
**30" - 30" - 0" - 0"**

**IF: 1/4 inch blow; died in 9 minutes**
**ISI: No blow back**
**FF: N/A**
**FSI: N/A**

**RECOVERY: 10' Total Fluid, consisting of:**
**10' Mud (100% M)**
**Sampler: 2500 ml Mud @ 30 psi**

**SIP: 134; FP: 36-42; HP: 2277-2247; BHT: 121**




## ROCK TYPES

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

## ACCESSORIES

### MINERAL

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

### FOSSIL

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

### STRINGER

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

### TEXTURE

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

## OTHER SYMBOLS

**POROSITY TYPE**
- E Earthy
- Fenest
- F Fracture
- Inter
- Moldic
- Organic
- P Pinpoint
- V Vuggy

**SORTING**
- W Well
- M Moderate
- P Poor

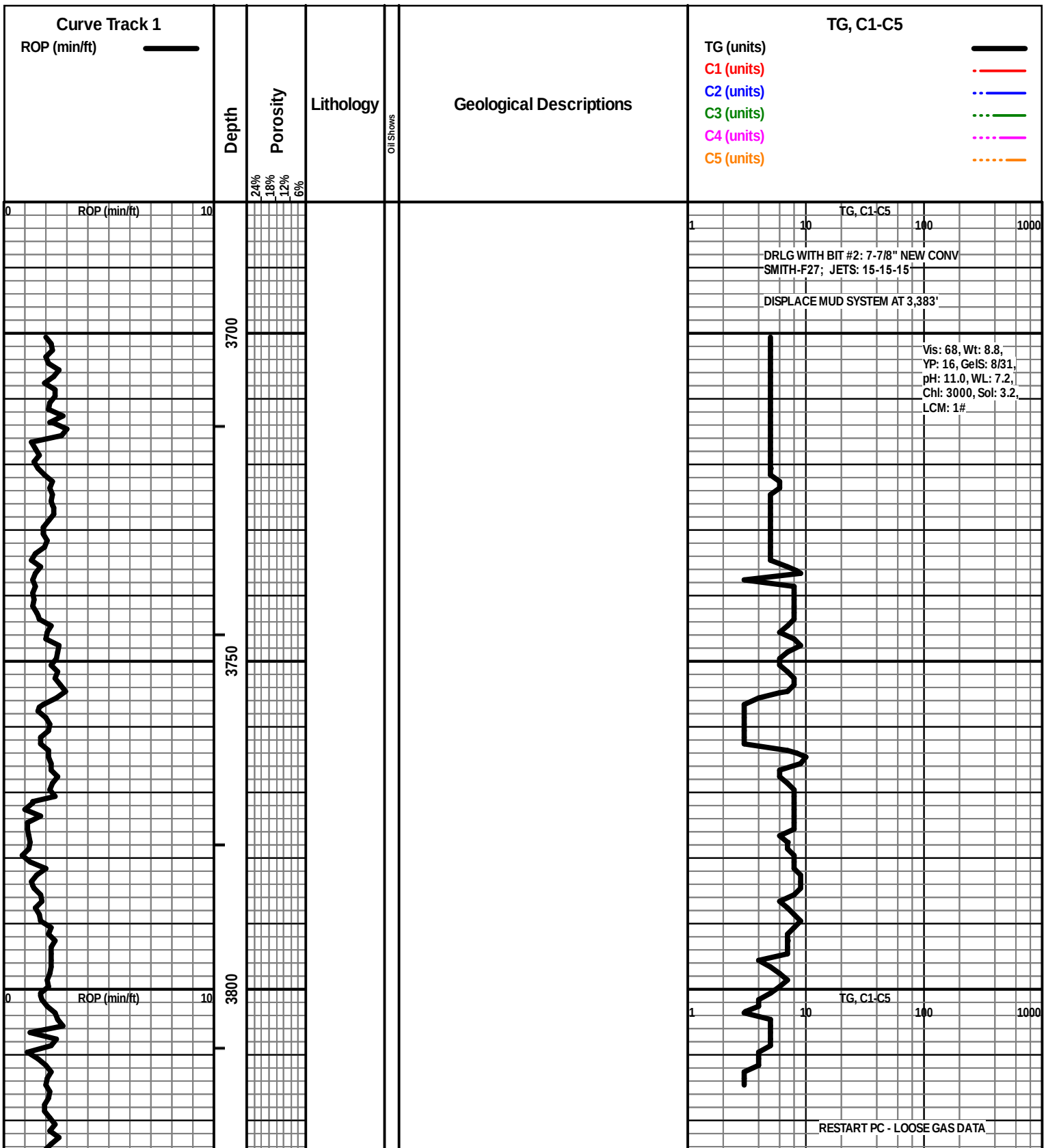
**ROUNDING**
- R Rounded
- r Subrnd
- a Subang
- A Angular

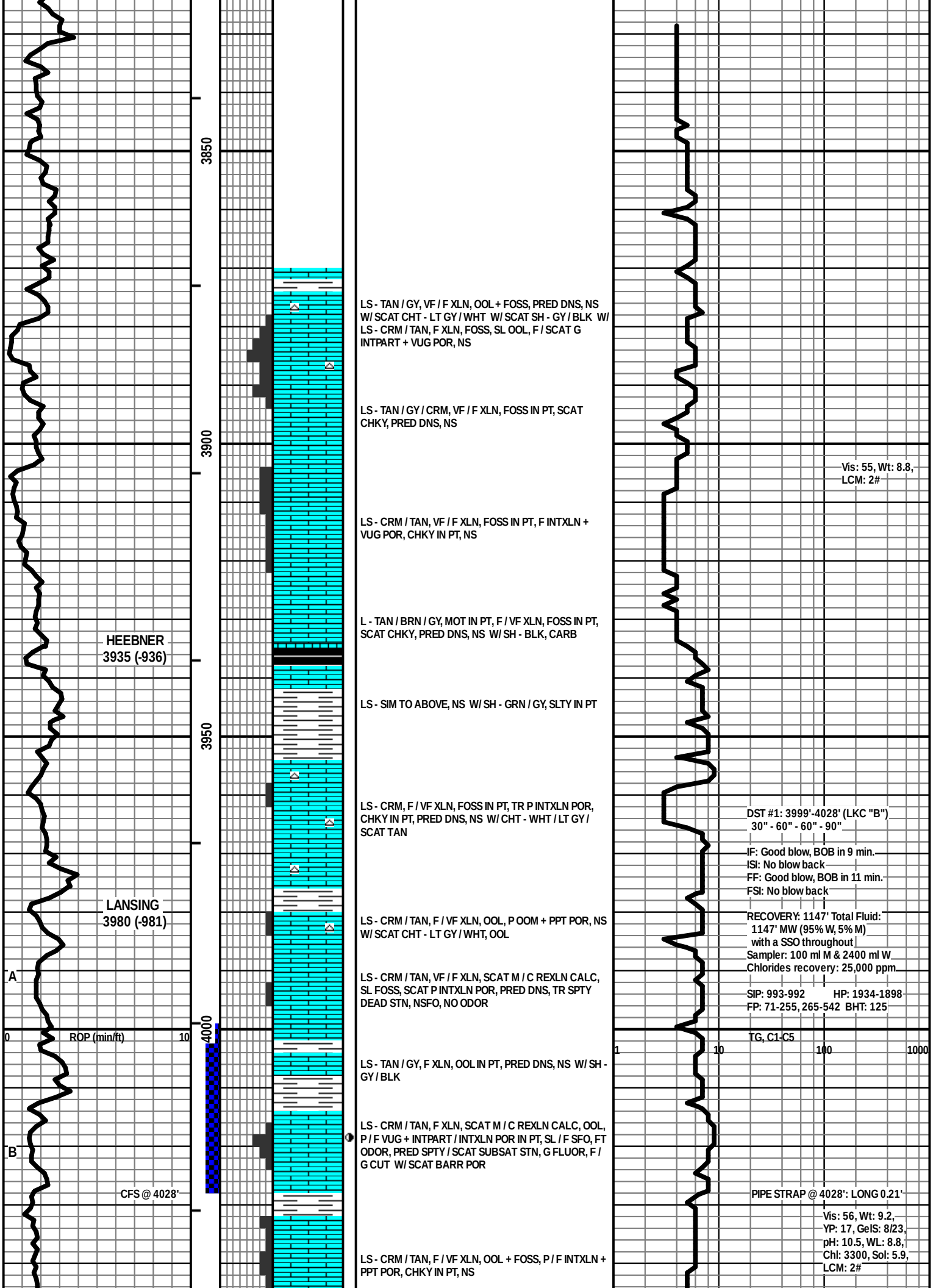
**OIL SHOWS**
- Even
- Spotted
- Ques
- D Dead
- Gas show

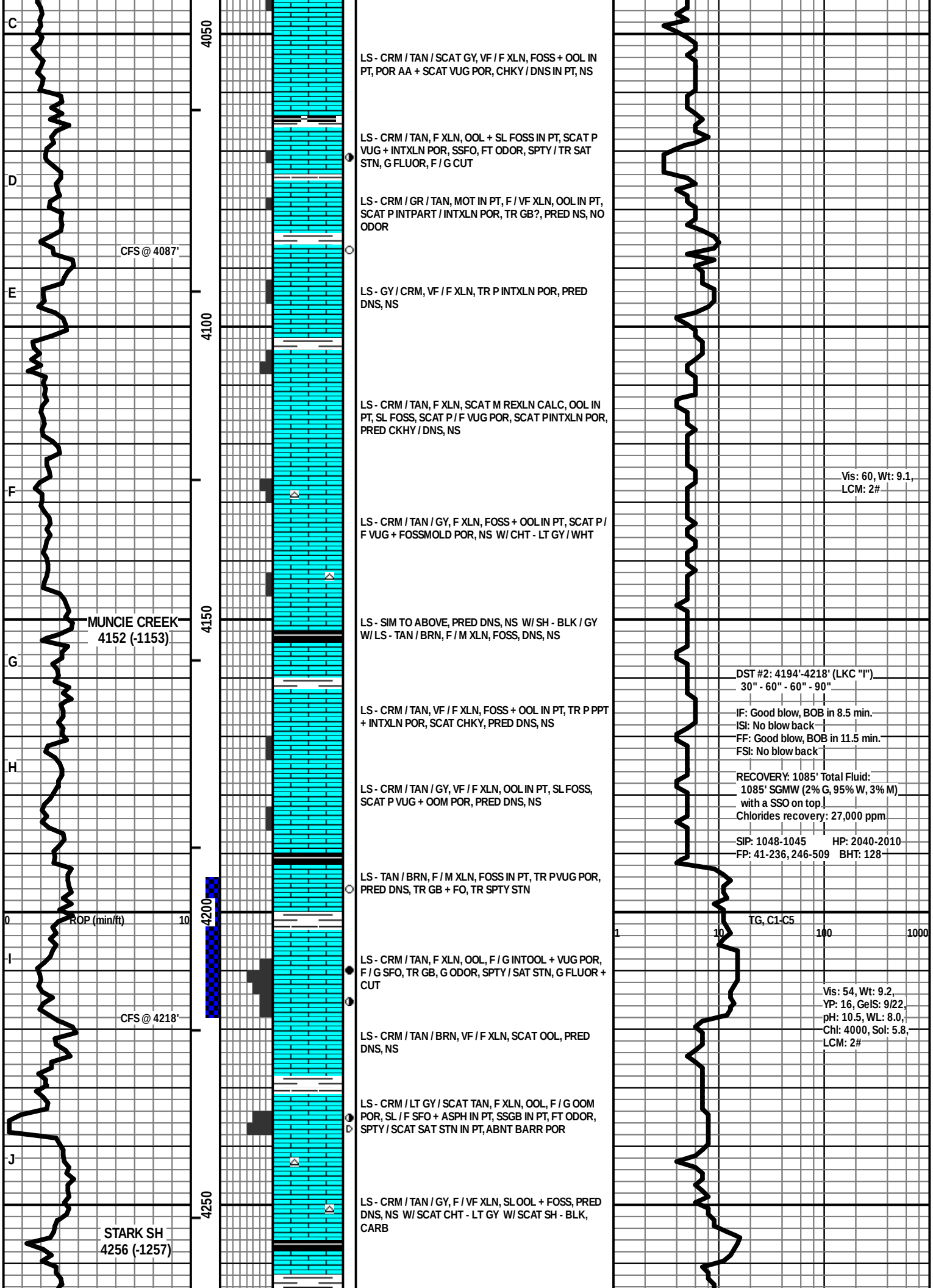
**INTERVALS**
- Core
- Dst

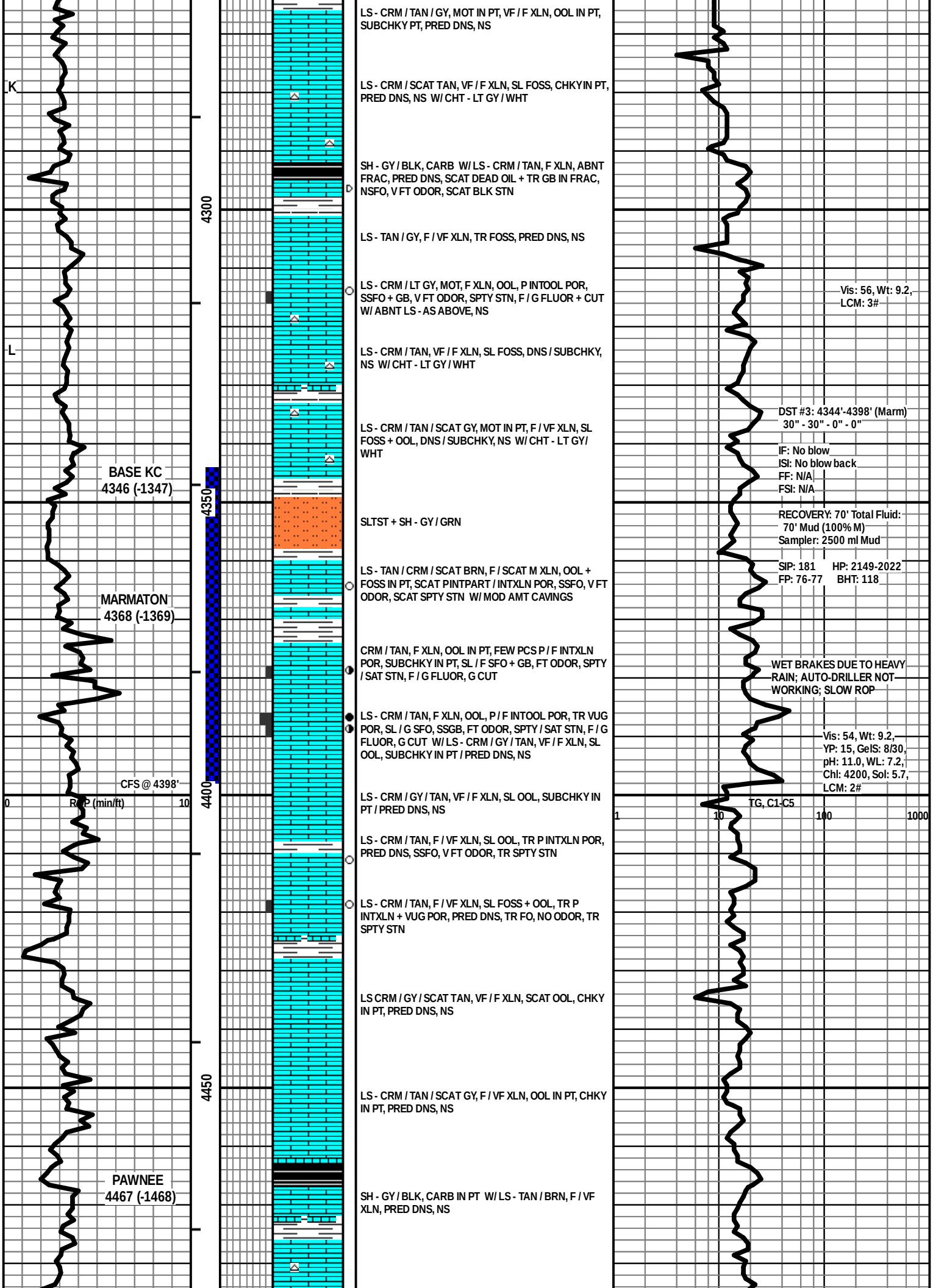
- Dst_1_t
- Dst_1_b
- Dst

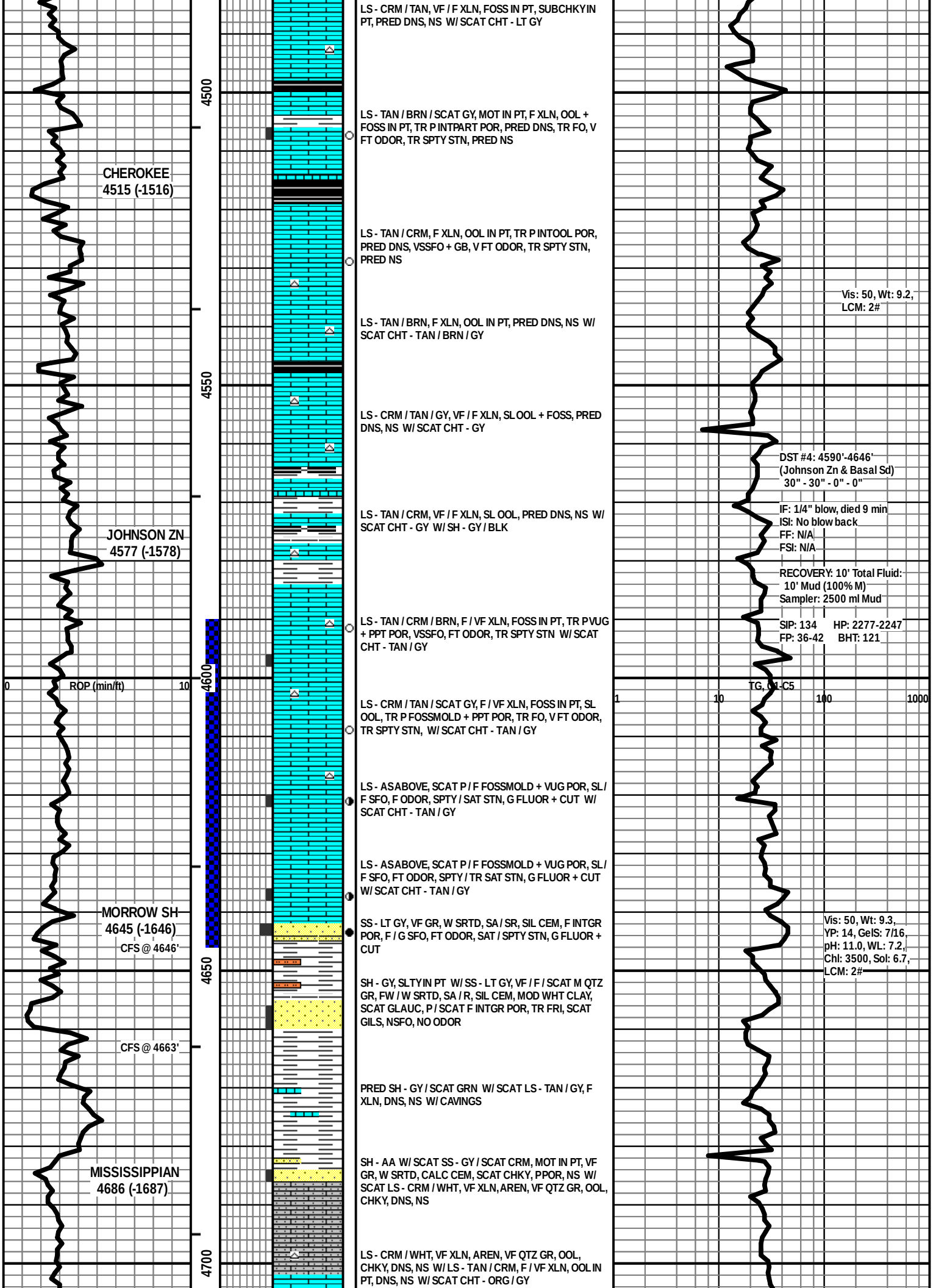
**EVENTS**
- Rft
- Sidewall
- Conn

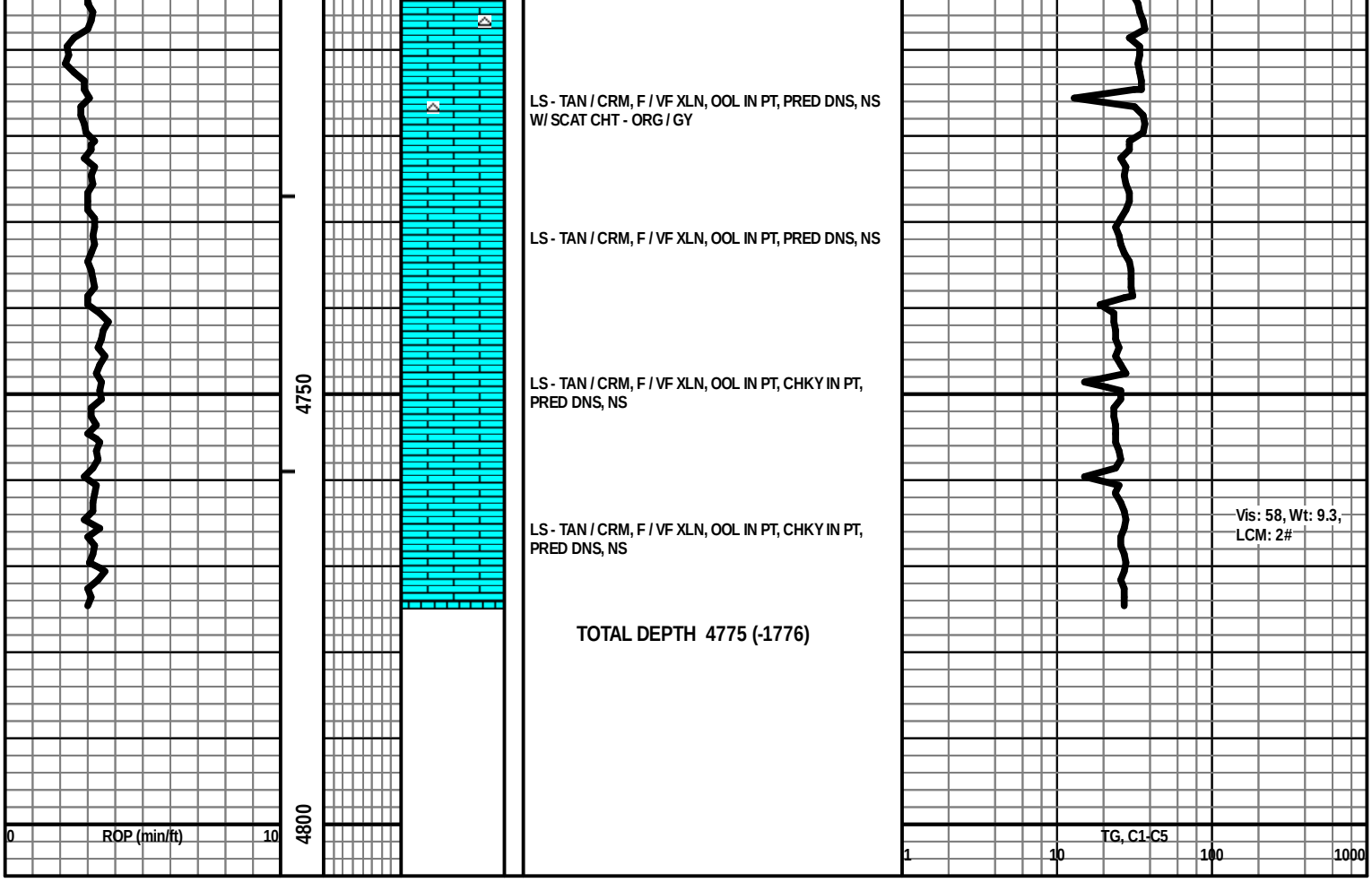



3850
3900
3950
4000
HEEBNER
3935 (-936)
LANSING
3980 (-981)
A
B
0
ROP (min/ft)
10
CFS @ 4028'
LS - TAN / GY, VF / F XLN, OOL + FOSS, PRED DNS, NS W/ SCAT CHT - LT GY / WHT W/ SCAT SH - GY / BLK W/ LS - CRM / TAN, F XLN, FOSS, SL OOL, F / SCAT G INTPART + VUG POR, NS
LS - TAN / GY / CRM, VF / F XLN, FOSS IN PT, SCAT CHKY, PRED DNS, NS
L - TAN / BRN / GY, MOT IN PT, F / VF XLN, FOSS IN PT, SCAT CHKY, PRED DNS, NS W/ SH - BLK, CARB
LS - SIM TO ABOVE, NS W/ SH - GRN / GY, SLTY IN PT
LS - CRM, F / VF XLN, FOSS IN PT, TR P INTXLN POR, CHKY IN PT, PRED DNS, NS W/ CHT - WHT / LT GY / SCAT TAN
LS - CRM / TAN, F / VF XLN, OOL, P OOM + PPT POR, NS W/ SCAT CHT - LT GY / WHT, OOL
LS - CRM / TAN, VF / F XLN, SCAT M / C REXLN CALC, SL FOSS, SCAT P INTXLN POR, PRED DNS, TR SPTY DEAD STN, NSFO, NO ODOR
LS - TAN / GY, F XLN, OOL IN PT, PRED DNS, NS W/ SH - GY / BLK
LS - CRM / TAN, F XLN, SCAT M / C REXLN CALC, OOL, P / F VUG + INTPART / INTXLN POR IN PT, SL / F SFO, FT ODOR, PRED SPTY / SCAT SUBSAT STN, G FLUOR, F / G CUT W/ SCAT BARR POR
LS - CRM / TAN, F / VF XLN, OOL + FOSS, P / F INTXLN + PPT POR, CHKY IN PT, NS
Vis: 55, Wt: 8.8, LCM: 2#
DST #1: 3999'-4028' (LKC "B")
30" - 60" - 60" - 90"
IF: Good blow, BOB in 9 min.
ISI: No blow back
FF: Good blow, BOB in 11 min.
FSI: No blow back
RECOVERY: 1147' Total Fluid: 1147' MW (95% W, 5% M) with a SSO throughout
Sampler: 100 ml M & 2400 ml W
Chlorides recovery: 25,000 ppm
SIP: 993-992 HP: 1934-1898
FP: 71-255, 265-542 BHT: 125
TG, C1-C5
1
10
100
1000
PIPE STRAP @ 4028': LONG 0.21'
Vis: 56, Wt: 9.2, YP: 17, GelS: 8/23, pH: 10.5, WL: 8.8, Chl: 3300, Sol: 5.9, LCM: 2#


C
D
E
F
G
H
I
J
4050
4100
4150
4200
4250
CFS @ 4087'
CFS @ 4218'
MUNCIE CREEK
4152 (-1153)
STARK SH
4256 (-1257)
0
ROP (min/ft)
10
LS - CRM / TAN / SCAT GY, VF / F XLN, FOSS + OOL IN PT, POR AA + SCAT VUG POR, CHKY / DNS IN PT, NS
LS - CRM / TAN, F XLN, OOL + SL FOSS IN PT, SCAT P VUG + INTXLN POR, SSFO, FT ODOR, SPTY / TR SAT STN, G FLUOR, F / G CUT
LS - CRM / GR / TAN, MOT IN PT, F / VF XLN, OOL IN PT, SCAT P INTPART / INTXLN POR, TR GB?, PRED NS, NO ODOR
LS - GY / CRM, VF / F XLN, TR P INTXLN POR, PRED DNS, NS
LS - CRM / TAN, F XLN, SCAT M REXLN CALC, OOL IN PT, SL FOSS, SCAT P / F VUG POR, SCAT PINTXLN POR, PRED CKHY / DNS, NS
LS - CRM / TAN / GY, F XLN, FOSS + OOL IN PT, SCAT P / F VUG + FOSSMOLD POR, NS W/ CHT - LT GY / WHT
LS - SIM TO ABOVE, PRED DNS, NS W/ SH - BLK / GY W/ LS - TAN / BRN, F / M XLN, FOSS, DNS, NS
LS - CRM / TAN, VF / F XLN, FOSS + OOL IN PT, TR P PPT + INTXLN POR, SCAT CHKY, PRED DNS, NS
LS - CRM / TAN / GY, VF / F XLN, OOL IN PT, SL FOSS, SCAT P VUG + OOM POR, PRED DNS, NS
LS - TAN / BRN, F / M XLN, FOSS IN PT, TR PVUG POR, PRED DNS, TR GB + FO, TR SPTY STN
LS - CRM / TAN, F XLN, OOL, F / G INTOOL + VUG POR, F / G SFO, TR GB, G ODOR, SPTY / SAT STN, G FLUOR + CUT
LS - CRM / TAN / BRN, VF / F XLN, SCAT OOL, PRED DNS, NS
LS - CRM / LT GY / SCAT TAN, F XLN, OOL, F / G OOM POR, SL / F SFO + ASPH IN PT, SSGB IN PT, FT ODOR, SPTY / SCAT SAT STN IN PT, ABNT BARR POR
LS - CRM / TAN / GY, F / VF XLN, SL OOL + FOSS, PRED DNS, NS W/ SCAT CHT - LT GY W/ SCAT SH - BLK, CARB
Vis: 60, Wt: 9.1, LCM: 2#
DST #2: 4194'-4218' (LKC "I")
30" - 60" - 60" - 90"
IF: Good blow, BOB in 8.5 min.
ISI: No blow back
FF: Good blow, BOB in 11.5 min.
FSI: No blow back
RECOVERY: 1085' Total Fluid:
1085' SGMW (2% G, 95% W, 3% M)
with a SSO on top
Chlorides recovery: 27,000 ppm
SIP: 1048-1045 HP: 2040-2010
FP: 41-236, 246-509 BHT: 128
TG, C1-C5
1
10
100
1000
Vis: 54, Wt: 9.2,
YP: 16, GelS: 9/22,
pH: 10.5, WL: 8.0,
Chl: 4000, Sol: 5.8,
LCM: 2#


K
L
4300
4350
4400
4450
BASE KC
4346 (-1347)
MARMATON
4368 (-1369)
PAWNEE
4467 (-1468)
CFS @ 4398'
0
ROP (min/ft)
10
LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, OOL IN PT, SUBCHKY PT, PRED DNS, NS
LS - CRM / SCAT TAN, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS W/ CHT - LT GY / WHT
SH - GY / BLK, CARB W/ LS - CRM / TAN, F XLN, ABNT FRAC, PRED DNS, SCAT DEAD OIL + TR GB IN FRAC, NSFO, V FT ODOR, SCAT BLK STN
LS - TAN / GY, F / VF XLN, TR FOSS, PRED DNS, NS
LS - CRM / LT GY, MOT, F XLN, OOL, P INTOOL POR, SSFO + GB, V FT ODOR, SPTY STN, F / G FLUOR + CUT W/ ABNT LS - AS ABOVE, NS
LS - CRM / TAN, VF / F XLN, SL FOSS, DNS / SUBCHKY, NS W/ CHT - LT GY / WHT
LS - CRM / TAN / SCAT GY, MOT IN PT, F / VF XLN, SL FOSS + OOL, DNS / SUBCHKY, NS W/ CHT - LT GY / WHT
SLTST + SH - GY / GRN
LS - TAN / CRM / SCAT BRN, F / SCAT M XLN, OOL + FOSS IN PT, SCAT PINTPART / INTXLN POR, SSFO, V FT ODOR, SCAT SPTY STN W/ MOD AMT CAVINGS
CRM / TAN, F XLN, OOL IN PT, FEW PCS P / F INTXLN POR, SUBCHKY IN PT, SL / F SFO + GB, FT ODOR, SPTY / SAT STN, F / G FLUOR, G CUT
LS - CRM / TAN, F XLN, OOL, P / F INTOOL POR, TR VUG POR, SL / G SFO, SSGB, FT ODOR, SPTY / SAT STN, F / G FLUOR, G CUT W/ LS - CRM / GY / TAN, VF / F XLN, SL OOL, SUBCHKY IN PT / PRED DNS, NS
LS - CRM / GY / TAN, VF / F XLN, SL OOL, SUBCHKY IN PT / PRED DNS, NS
LS - CRM / TAN, F / VF XLN, SL OOL, TR P INTXLN POR, PRED DNS, SSFO, V FT ODOR, TR SPTY STN
LS - CRM / TAN, F / VF XLN, SL FOSS + OOL, TR P INTXLN + VUG POR, PRED DNS, TR FO, NO ODOR, TR SPTY STN
LS CRM / GY / SCAT TAN, VF / F XLN, SCAT OOL, CHKY IN PT, PRED DNS, NS
LS - CRM / TAN / SCAT GY, F / VF XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS
SH - GY / BLK, CARB IN PT W/ LS - TAN / BRN, F / VF XLN, PRED DNS, NS
Vis: 56, Wt: 9.2, LCM: 3#
DST #3: 4344'-4398' (Marm)
30" - 30" - 0" - 0"
IF: No blow
ISI: No blow back
FF: N/A
FSI: N/A
RECOVERY: 70' Total Fluid:
70' Mud (100% M)
Sampler: 2500 ml Mud
SIP: 181 HP: 2149-2022
FP: 76-77 BHT: 118
WET BRAKES DUE TO HEAVY RAIN; AUTO-DRILLER NOT WORKING; SLOW ROP
Vis: 54, Wt: 9.2, YP: 15, GelS: 8/30, pH: 11.0, WL: 7.2, Chl: 4200, Sol: 5.7, LCM: 2#
TG, C1-C5
1
10
100
1000


4500
4550
4600
4650
4700
CHEROKEE
4515 (-1516)
JOHNSON ZN
4577 (-1578)
MORROW SH
4645 (-1646)
CFS @ 4646'
CFS @ 4663'
MISSISSIPPIAN
4686 (-1687)
0
ROP (min/ft)
10
LS - CRM / TAN, VF / F XLN, FOSS IN PT, SUBCHKY IN PT, PRED DNS, NS W/ SCAT CHT - LT GY
LS - TAN / BRN / SCAT GY, MOT IN PT, F XLN, OOL + FOSS IN PT, TR P INTPART POR, PRED DNS, TR FO, V FT ODOR, TR SPTY STN, PRED NS
LS - TAN / CRM, F XLN, OOL IN PT, TR P INTOOL POR, PRED DNS, VSSFO + GB, V FT ODOR, TR SPTY STN, PRED NS
LS - TAN / BRN, F XLN, OOL IN PT, PRED DNS, NS W/ SCAT CHT - TAN / BRN / GY
LS - CRM / TAN / GY, VF / F XLN, SL OOL + FOSS, PRED DNS, NS W/ SCAT CHT - GY
LS - TAN / CRM, VF / F XLN, SL OOL, PRED DNS, NS W/ SCAT CHT - GY W/ SH - GY / BLK
LS - TAN / CRM / BRN, F / VF XLN, FOSS IN PT, TR P VUG + PPT POR, VSSFO, FT ODOR, TR SPTY STN W/ SCAT CHT - TAN / GY
LS - CRM / TAN / SCAT GY, F / VF XLN, FOSS IN PT, SL OOL, TR P FOSSMOLD + PPT POR, TR FO, V FT ODOR, TR SPTY STN, W/ SCAT CHT - TAN / GY
LS - AS ABOVE, SCAT P / F FOSSMOLD + VUG POR, SL / F SFO, F ODOR, SPTY / SAT STN, G FLUOR + CUT W/ SCAT CHT - TAN / GY
LS - AS ABOVE, SCAT P / F FOSSMOLD + VUG POR, SL / F SFO, FT ODOR, SPTY / TR SAT STN, G FLUOR + CUT W/ SCAT CHT - TAN / GY
SS - LT GY, VF GR, W SRTD, SA / SR, SIL CEM, F INTGR POR, F / G SFO, FT ODOR, SAT / SPTY STN, G FLUOR + CUT
SH - GY, SLTY IN PT W/ SS - LT GY, VF / F / SCAT M QTZ GR, FW / W SRTD, SA / R, SIL CEM, MOD WHT CLAY, SCAT GLAUC, P / SCAT F INTGR POR, TR FRI, SCAT GILS, NSFO, NO ODOR
PRED SH - GY / SCAT GRN W/ SCAT LS - TAN / GY, F XLN, DNS, NS W/ CAVINGS
SH - AA W/ SCAT SS - GY / SCAT CRM, MOT IN PT, VF GR, W SRTD, CALC CEM, SCAT CHKY, P POR, NS W/ SCAT LS - CRM / WHT, VF XLN, AREN, VF QTZ GR, OOL, CHKY, DNS, NS
LS - CRM / WHT, VF XLN, AREN, VF QTZ GR, OOL, CHKY, DNS, NS W/ LS - TAN / CRM, F / VF XLN, OOL IN PT, DNS, NS W/ SCAT CHT - ORG / GY
Vis: 50, Wt: 9.2, LCM: 2#
DST #4: 4590'-4646' (Johnson Zn & Basal Sd)
30" - 30" - 0" - 0"
IF: 1/4" blow, died 9 min
ISI: No blow back
FF: N/A
FSI: N/A
RECOVERY: 10' Total Fluid:
10' Mud (100% M)
Sampler: 2500 ml Mud
SIP: 134 HP: 2277-2247
FP: 36-42 BHT: 121
1
10
TG, C1-C5
100
1000
Vis: 50, Wt: 9.3, YP: 14, GelS: 7/16, pH: 11.0, WL: 7.2, Chl: 3500, Sol: 6.7, LCM: 2#


LS - TAN / CRM, F / VF XLN, OOL IN PT, PRED DNS, NS W/ SCAT CHT - ORG / GY
LS - TAN / CRM, F / VF XLN, OOL IN PT, PRED DNS, NS
LS - TAN / CRM, F / VF XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS
LS - TAN / CRM, F / VF XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS
TOTAL DEPTH 4775 (-1776)
Vis: 58, Wt: 9.3, LCM: 2#
4750
4800
0
ROP (min/ft)
10
TG, C1-C5
1
10
100
1000

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 13952 A

DATE TICKET NO.

| | |
|---|---|
| DATE OF JOB 7-27-16 DISTRICT Pratt | NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.: |
| CUSTOMER Stelbar Oil Corp Inc | LEASE Eikelberger WELL NO 1-21 |
| ADDRESS | COUNTY Scott STATE KS |
| CITY STATE | SERVICE CREW Mattal, Spark, Adams |
| AUTHORIZED BY | JOB TYPE: CMW Plug to Abandon |

| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS |
|---|---|---|---|---|---|
| 20420 | 1.5 | | | | |
| 73768 | 1 | | | | |

| | | | |
|---|---|---|---|
| TRUCK CALLED | 7-27-16 DATE | AM PM | TIME 10:00 |
| ARRIVED AT JOB | | AM PM | 4:20 |
| START OPERATION | | AM PM | 5:09 |
| FINISH OPERATION | | AM PM | 7:40 |
| RELEASED | | AM PM | 8:15 |
| MILES FROM STATION TO WELL | | | 100 |

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

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

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | $ AMOUNT |
|---|---|---|---|---|---|
| CP103 | 60/40 Poz | SK | 270 — | | 3,240 00 |
| CC102 | Cellaflake | lb | 68 — | | 251 60 |
| CC240 | CMT 9-1 | lb | 466 — | | 116 50 |
| E100 | P.U. mileage | Mi | 100 | | 450 00 |
| E101 | Heavy eq mileage | Mi | 200 | | 1,500 00 |
| E113 | Prop + bulk del. | TM | 1165 | | 2,912 50 |
| CE203 | Depth charge 2001-3000' | HR | 1 | | 1,800 00 |
| CE240 | blend + mix | SK | 270 | | 378 00 |
| S003 | Supervisor | EA | 1 | | 175 00 |

| CHEMICAL / ACID DATA: | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

| | | |
|---|---|---|
| SUB TOTAL | | 10,823 60 |
| SERVICE & EQUIPMENT | %TAX ON $ | |
| MATERIALS | %TAX ON $ | ✓ |
| TOTAL | | 4,004 73 |

KG

SERVICE REPRESENTATIVE Mike Mattal

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

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

**BASIC energy services, L.P.**

# TREATMENT REPORT

| | | | | | |
|---|---|---|---|---|---|
| Customer: Shelbur oil corp inc | Lease No. | | | Date: 7-27-16 | |
| Lease: Eikelberger | Well #: 1-21 | | | | |
| Field Order #: 13952 | Station: Pratt | Casing | Depth | County: SCOTT | State: KS |
| Type Job: CNW Plug to abandon | Formation | | | Legal Description: 21-17-32 | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|---|---|---|---|---|---|---|---|
| Casing Size | Tubing Size | Shots/Ft | | Acid: CMT 270 SKS 60/40 POZ | RATE | PRESS | ISIP |
| Depth | Depth | From | To | Pre Pad: 4070 gal | Max: 1/4 # CF | | 5 Min. |
| Volume | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press | 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 | Gas Volume | | Total Load |

Customer Representative: TYSON | Station Manager: Kevin Gordley | Treater: Mike Mattal

| Service Units | 37586 | | 37708 | 21010 | | 19903 | 73768 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Driver Names | MATTAL | | SPARKS | | | Adams | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|---|---|---|---|---|---|
| 4:20 | | | | | On location / safety meeting |
| | | | | | 1st Plug @ 2360' |
| 5:09 | | 225 | 20 | 5 | Pump 20 bbl water |
| 5:14 | | 200 | 13 | 5 | Mix 50 sks 60/40 poz |
| 5:18 | | 50 | 5 | 5 | Pump 5 bbl water |
| 5:19 | | 50 | 20 | 5 | Pump 20 bbl mud |
| | | | | | Plug #2 @ 1570' |
| 5:50 | | 200 | 20 | 5 | Pump 20 bbl water |
| 5:52 | | 200 | 20 | 5 | mix 80 sks 60/40 poz |
| 5:56 | | 100 | 5 | 5 | Pump 5 bbl water |
| 5:57 | | 50 | 10 | 5 | Pump 10 bbl mud |
| | | | | | Plug #3 @ 750' |
| 6:23 | | 150 | 10 | 5 | Pump 10 bbl water |
| 6:25 | | 150 | 12 | 5 | mix 40 sks 60/40 poz |
| 6:27 | | 50 | 3 | 5 | Pump 3 bbls water |
| 6:28 | | 450 | 3 | 5 | pump 3 bbls mud |
| | | | | | Plug # 4 @ 330' |
| 6:44 | | 150 | 5 | 4.5 | Pump 5 bbl water |
| 6:46 | | 150 | 10 | 4.5 | mix 40 sks 60/40 poz |
| 6:49 | | 50 | 2 | 4.5 | Pump 2 bbl mud |



Taylor Printing, Inc. 620-672-3656

# BASIC energy services, L.P.

2 of 2

## TREATMENT REPORT

| | | | |
|---|---|---|---|
| Customer: Stelbar oil corp. inc | Lease No. | Date: 7-27-16 | |
| Lease: Einelberger | Well #: 1-21 | | |
| Field Order #: 13952 | Station | Casing | Depth |
| County | State | | |
| Type Job | Formation | Legal Description | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|---|---|---|---|---|---|---|---|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP |
| Depth | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press | 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 | Gas Volume | | Total Load |

| Customer Representative | Station Manager | Treater |
|---|---|---|
| | | |

| Service Units | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Driver Names | | | | | | | | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|---|---|---|---|---|---|
| | | | | 2.1 | PLUG #3 @ 60' |
| 7:30 | | | 5 | 3 | MIX 20 SKS 60/40 POZ |
| | | | | CIRC | CMT TO SURFACE |
| | | | | | |
| 7:35 | | — | 7 | 3 | PLUG RAT HOLE |
| | | | | | |
| | | | | | JOB COMPLETE |
| | | | | | THANK YOU! |
| | | | | | TYLER MATTRAL |
| | | | | | MATT + TOD |

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

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 13839 A

DATE TICKET NO.

| | |
|---|---|
| DATE OF JOB 7/19/16 DISTRICT | NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.: |
| CUSTOMER Stelbar Oil Corp | LEASE Elkelberger WELL NO. 1-21 |
| ADDRESS | COUNTY Scott STATE KS |
| CITY STATE | SERVICE CREW Scott, Mike, Paul |
| AUTHORIZED BY Tyson | JOB TYPE: 5 5/8 Surface Pipe (NW) |

| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS |
|---|---|---|---|---|---|
| 86774 X | 25 | | | | |
| 19860 X | 25 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | DATE | AM PM | TIME |
|---|---|---|---|
| TRUCK CALLED | | AM PM | |
| ARRIVED AT JOB | 7/19/16 | AM PM | 6:15 |
| START OPERATION | 7/19/16 | AM PM | 7:00 |
| FINISH OPERATION | 7/19/16 | AM PM | 7:20 |
| RELEASED | 7/19/16 | AM PM | |
| 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: Red Pitts
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | $ AMOUNT |
|---|---|---|---|---|---|
| CP103 | 60/40 POZ | SK | 215 | — | 2580 00 |
| CC107 | Cellaflake | lb | 54 | — | 199 80 |
| CC109 | Calcium Chloride | lb | 555 | — | 582 75 |
| E100 | Unit Mileage Pickups | MI | 100 | 1 | 450 00 |
| E101 | Heavy Equipment Mileage | MI | 200 | 1 | 1500 00 |
| E113 | Ton-Mile Delivery | TM | 925 | 1 | 2312 50 |
| CE200 | Depth Charge 0-500' | 4hrs | 1 | 1 | 1000 00 |
| CE240 | Blending & Mixing Service Chg | SK | 215 | 1 | 301 00 |
| S003 | Service Supervisor 1st 8 hrs | Ea | 1 | 1 | 175 00 |

| CHEMICAL / ACID DATA: | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

| | | |
|---|---|---|
| SUB TOTAL | | 9,101.05 |
| SERVICE & EQUIPMENT | %TAX ON $ | |
| MATERIALS | %TAX ON $ | ✓ |
| TOTAL | | 3,567.39 |

SERVICE REPRESENTATIVE Scott

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

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

# TREATMENT REPORT

| | | | |
|---|---|---|---|
| Customer: Stelbar Oil Corp | Lease No. | Date: 7/19/16 | |
| Lease: Elkelberger | Well #: 1-21 | | |
| Field Order #: 13539 | Station: Pratt, KS | Casing: 8 5/8 | Depth: 307 |
| County: Scott | State: KS | | |
| Type Job: 8 5/8 Surface Pipe CW/M | Formation | Legal Description: 21-17-32 | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|---|---|---|---|---|---|---|---|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP |
| Depth | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press | 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 | Gas Volume | | Total Load |

| Customer Representative | Station Manager | Treater |
|---|---|---|
| Tyson | Kevin Gurdley | Scott Graves |

| Service Units | 36450 | 78487 | 50779 | 54460 | 19460 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Driver Names | Scott | Mike | — | Paul | — | | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|---|---|---|---|---|---|
| 6:15 | | | | | On Location Safety Meeting Rig up |
| 7:00 | | 150 | | 4 | Pump H2O Spacer |
| 7:03 | | 300 | 5 | 6 | Mix 215 sks 60/40 14.8 ppg |
| 7:17 | | 200 | 46.35 | 5 | Start displacement |
| | | | | | Cement Circulated to Pit |
| 7:20 | | 200 | 18 | | Shut down |
| | | | | | Job Complete |

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