

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](mailto: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)</i> <i>(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	CLINE TRUST 1-16
Doc ID	1631466

All Electric Logs Run

Comp. Density/Neutron PE Log
Dual Induction Log
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	CLINE TRUST 1-16
Doc ID	1631466

Tops

Name	Top	Datum
Base Anhydrite	2832	+912
Heebner Shale	4121	-377
Lansing	4180	-436
Muncie Creek Shale	4344	-600
Stark Shale	4440	-696
Pawnee	4668	-924
Cherokee Shale	4728	-984
Atoka	4824	-1080
Morrow Shale	4959	-1215
Mississippian	5120	-1376





## DRILL STEM TEST REPORT

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

1625 N Waterfront Pkwy  
Ste 200  
Wichita, KS 67206

ATTN: Dave Goldak

### **Cline Trust #1-16**

#### **16-14s- 41w Wallace,KS**

Start Date: 2022.01.24 @ 03:50:00

End Date: 2022.01.24 @ 11:46:30

Job Ticket #: 68052                      DST #: 1

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

Printed: 2022.01.27 @ 15:55:25

Stelbar Oil Corp, Inc

16-14s- 41w Wallace,KS

Cline Trust #1-16

DST # 1

Toronto - LKC A

2022.01.24



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stelbar Oil Corp, Inc  
1625 N Waterfront Pkw y  
Ste 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**16-14s- 41w Wallace,KS**

**Cline Trust #1-16**

Job Ticket: 68052 **DST#: 1**

Test Start: 2022.01.24 @ 03:50:00

## GENERAL INFORMATION:

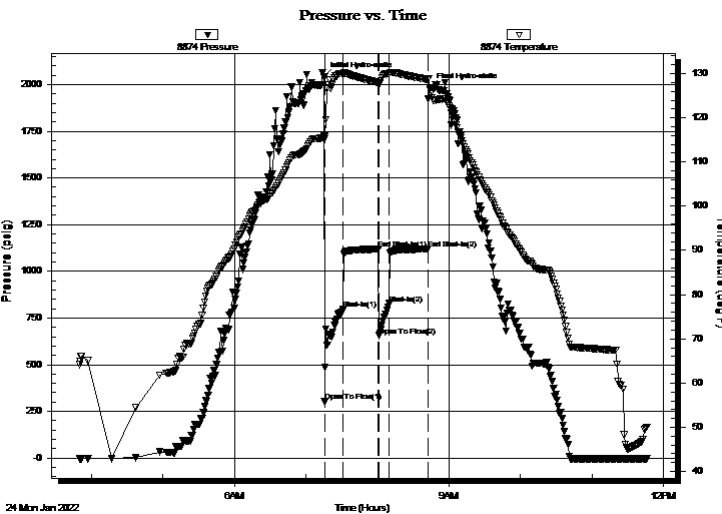
Formation: **Toronto - LKC A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:15:30  
 Time Test Ended: 11:46:30  
 Interval: **4148.00 ft (KB) To 4193.00 ft (KB) (TVD)**  
 Total Depth: 4193.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 3744.00 ft (KB)  
 3736.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8874

Inside

Press@RunDepth: 826.61 psig @ 4149.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.24 End Date: 2022.01.24 Last Calib.: 2022.01.24  
 Start Time: 03:50:05 End Time: 11:46:29 Time On Btm: 2022.01.24 @ 07:15:15  
 Time Off Btm: 2022.01.24 @ 08:44:00

TEST COMMENT: IF: BOB @ 80 sec. 115" blow .  
 IS: No return.  
 FF: BOB @ 1 min. 77" blow .  
 FS: No return. 15-30-10-30



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.89	115.80	Initial Hydro-static
1	302.79	115.23	Open To Flow (1)
16	796.39	130.04	Shut-In(1)
46	1118.68	127.99	End Shut-In(1)
46	654.74	127.72	Open To Flow (2)
55	826.61	130.04	Shut-In(2)
87	1118.92	128.65	End Shut-In(2)
89	1983.21	126.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1260.00	mcw 5m 95w Oil Spots in tool	16.03

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stelbar Oil Corp, Inc

**16-14s- 41w Wallace,KS**

1625 N Waterfront Pkwy  
Ste 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**Cline Trust #1-16**

Job Ticket: 68052

**DST#: 1**

Test Start: 2022.01.24 @ 03:50:00

## Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 56.37 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4148.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	75.00 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			4119.00	
Shut In Tool	5.00		Fluid	4124.00	
Hydraulic tool	5.00			4129.00	
Em Tool	3.00			4132.00	
Jars	5.00			4137.00	
Safety Joint	2.00			4139.00	
Packer	5.00		Inside	4144.00	30.00 Bottom Of Top Packer
Packer	4.00			4148.00	
Stubb	1.00			4149.00	
Recorder	0.00	8874	Inside	4149.00	
Recorder	0.00	8319	Outside	4149.00	
Perforations	8.00			4157.00	
Change Over Sub	1.00			4158.00	
Drill Pipe	31.00			4189.00	
Change Over Sub	1.00			4190.00	
Bullnose	3.00			4193.00	45.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>75.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stelbar Oil Corp, Inc

**16-14s- 41w Wallace,KS**

1625 N Waterfront Pkw y  
Ste 200  
Wichita, KS 67206  
ATTN: Dave Goldak

**Cline Trust #1-16**

Job Ticket: 68052

**DST#: 1**

Test Start: 2022.01.24 @ 03:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1260.00	mcw 5m 95w Oil Spots in tool	16.035

Total Length: 1260.00 ft      Total Volume: 16.035 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

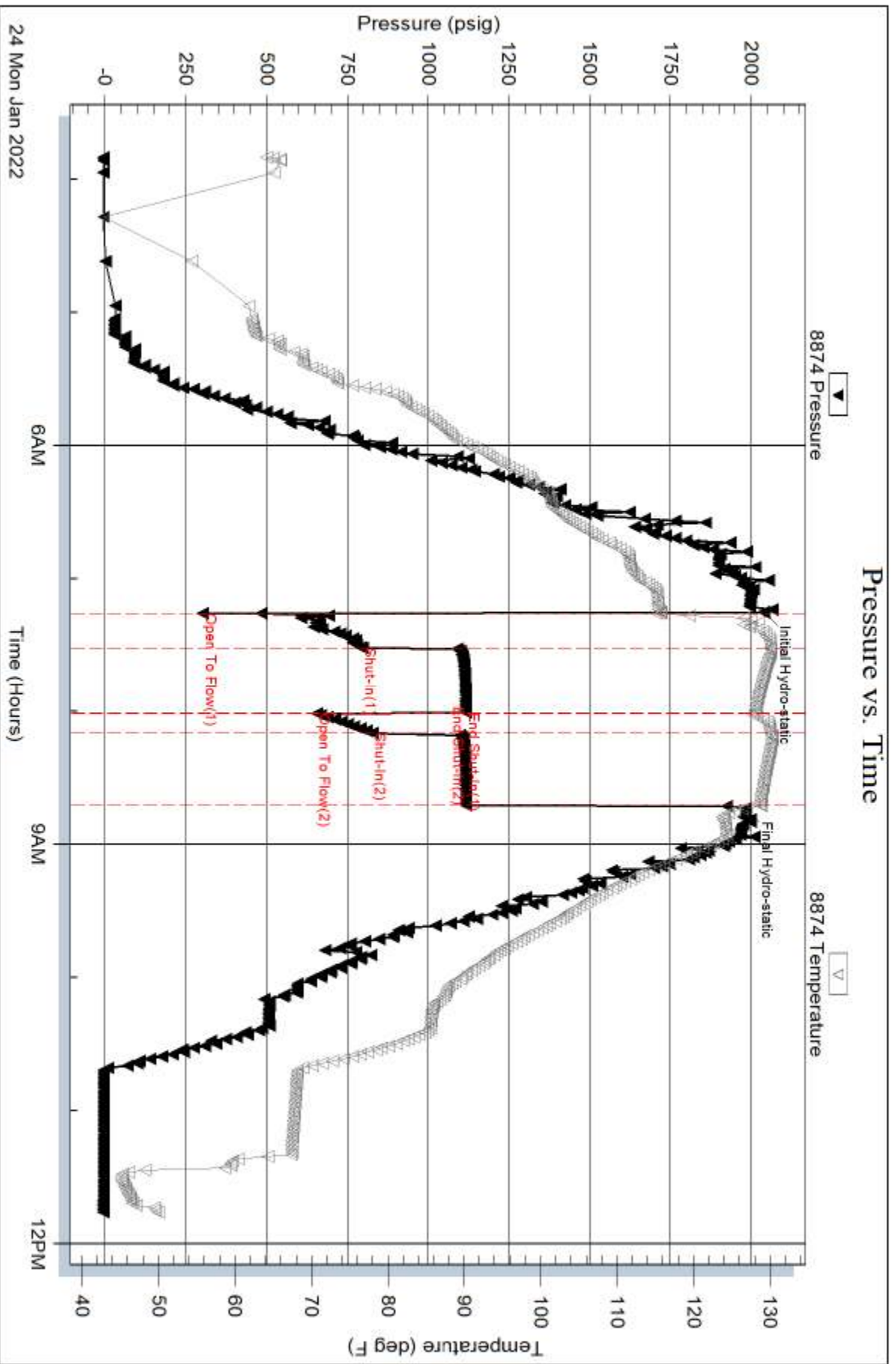
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .161 @ 61F = 52000ppm

### Pressure vs. Time

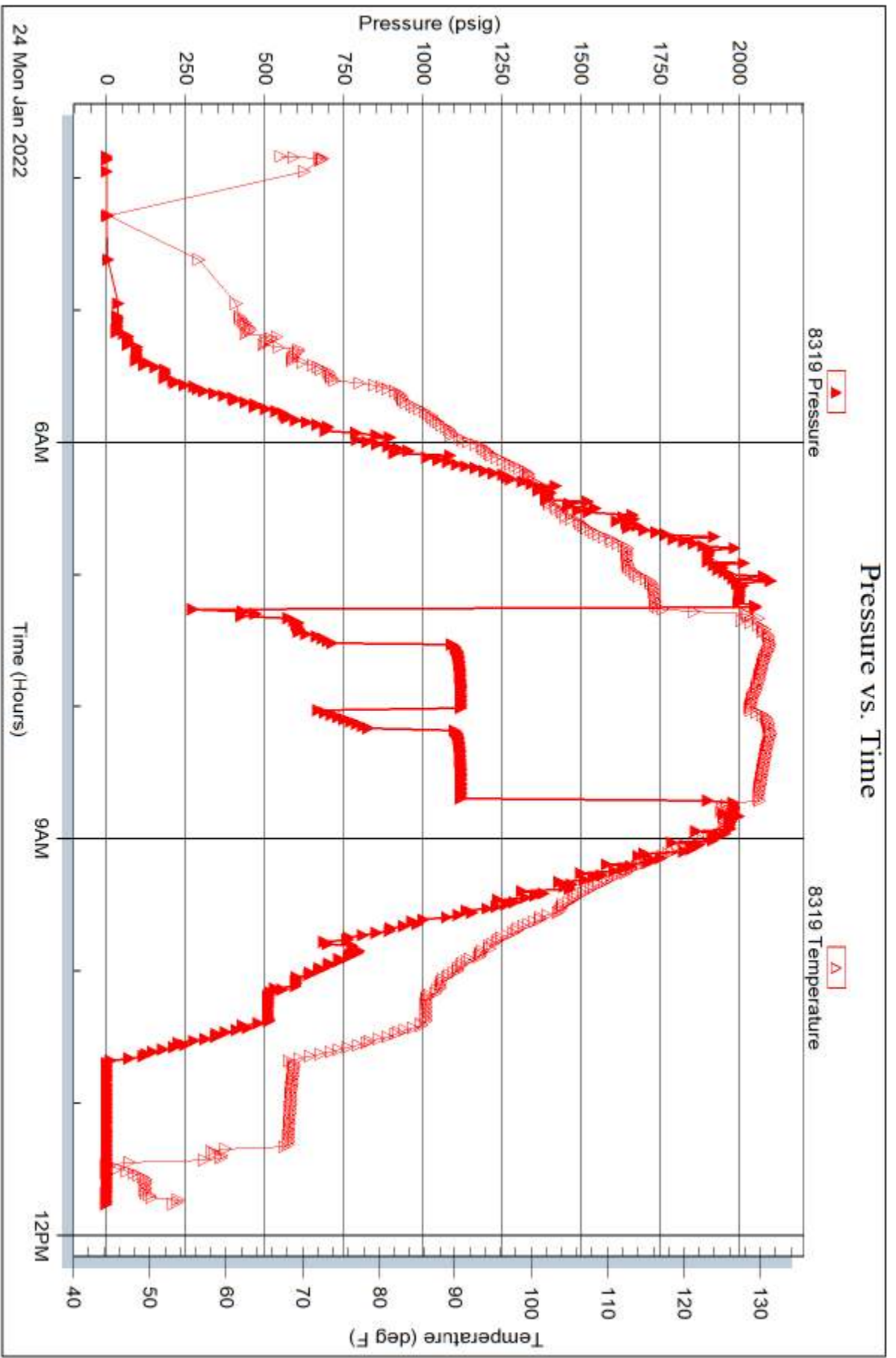


Serial #: 8319

Outside Stebar Oil Corp. Inc

Cline Trust #1-16

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68052

Well Name & No. Cline Trust #1-16 Test No. 1 Date 1/24/2022  
 Company Stelbar Oil Corp Elevation 3744 KB 3736 GL  
 Address 1625 N Waterfront Pkwy Ste 200 Wichita, KS 67202  
 Co. Rep / Geo. Dave Goldak Rig Mudfun 1R  
 Location: Sec. 16 Twp 14S Rge. 4W Co. Wallace State KS

Interval Tested 3740 4148 - 4193 Zone Tested Toronto - Lansing A  
 Anchor Length 45 Drill Pipe Run 3955 Mud Wt. 9.2  
 Top Packer Depth 4143 Drill Collars Run 180 Vis 49  
 Bottom Packer Depth 4148 Wt. Pipe Run — WL 7.2  
 Total Depth 4193 Chlorides 3200 ppm System LCM 4#  
 Blow Description IF BOB@ 60sec 115" blow  
ISI No return.  
PF BOB@ 1min 77" blow  
ISI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1260</u>	<u>ncw H2S</u>		<u>95</u>	<u>5</u>	
	<u>oil spots</u>				

Rec Total 1260 BHT 128 Gravity — API RW 161 @ 61 °F Chlorides 52,000 ppm  
 (A) Initial Hydrostatic 2040  Test 1450 T-On Location 0100  
 (B) First Initial Flow 302  Jars 250 T-Started 0350  
 (C) First Final Flow 796  Safety Joint 75 T-Open 0716  
 (D) Initial Shut-In 1118  Circ Sub used - H2S 50 T-Pulled 0842  
 (E) Second Initial Flow 654  Hourly Standby \_\_\_\_\_ T-Out 1146  
 (F) Second Final Flow 826  Mileage X2 183RT 228.75 Comments P/O Tool @ 0500  
 (G) Final Shut-In 1118  Sampler 250 228.75 1/27/2022  
 (H) Final Hydrostatic 1983  Straddle \_\_\_\_\_  EM Tool 350  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby 2d 17.25h Sub Total 350 +1600  
 Accessibility \_\_\_\_\_ Total 2882.50 +1600  
 Sub Total 2532.50 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.



Customer	Stelbar	Lease & Well #	Cline Trust #1-16	Date	1/19/2022
Service District	Oakley KS	County & State	Wallace KS	Legals S/T/R	16-14S-41W
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			

Equipment #	Driver	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
64	Tommy	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
208	John	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
242	Trevino	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
<b>Comments</b>					

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
cp015	H-325	sack	400.00	\$7,360.00
fe275	8 5/8" AFU Flapper Insert Valve	ea	1.00	\$345.00
fe285	8 5/8" Rubber Plug	ea	1.00	\$161.00
fe250	8 5/8" Centralizer	ea	5.00	\$414.00
m015	Light Equipment Mileage	mi	65.00	\$119.60
m010	Heavy Equipment Mileage	mi	65.00	\$239.20
m020	Ton Mileage	tm	1,222.00	\$1,686.36
c050	Cement Plug Container	job	1.00	\$230.00
c060	Cement Blending & Mixing Service	sack	400.00	\$515.20
d011	Depth Charge: 501'-1000'	job	1.00	\$1,150.00
c030	Cement Service - After 4 Hrs on Location	hr	4.00	\$1,104.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$13,324.36
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Tax Rate:	
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		Sale Tax:	\$ -
		Total:	\$ 13,324.36
		HSI Representative: <i>Thomas Dundas</i>	

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**





Hurricane Services, Inc.  
 250 N. Water St., Suite #200  
 Wichita, KS 67202



Customer	Stelbar Oil Corporation Inc	Lease & Well #	Cline Trust # 1-16	Date	1/27/2022
Service District	Oakley KS	County & State	Wallace KS	Legals S/T/R	16-14S-41W
Job Type	PTA	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
Equipment #	Driver	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No Ticket # WP-2353			

**Job Safety Analysis - A Discussion of Hazards & Safety Procedures**

<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP055	H-Plug	sack	240.00	\$2,870.40
M015	Light Equipment Mileage	mi	62.00	\$114.08
M010	Heavy Equipment Mileage	mi	62.00	\$228.16
M020	Ton Mileage	tm	700.00	\$966.00
D013	Depth Charge: 2001'-3000'	job	1.00	\$1,840.00
FE290	8 5/8" Wooden Plug	ea	1.00	\$161.00
C030	Cement Service - After 4 Hrs on Location	hr	2.00	\$552.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?  
 Net: \$6,731.64

Based on this job, how likely is it you would recommend HSI to a colleague?

1    2    3    4    5    6    7    8    9    10   Extremely Likely

Unlikely

Total Taxable \$ - Tax Rate: -  
 State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.  
 Sale Tax: \$ -  
 Total: \$ 6,731.64  
 HSI Representative: *Jesse Jones*

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**





# GEOLOGIC REPORT

## DAVID J. GOLDAK

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

Well Name: Cline Trust #1-16  
API: 15-199-20454-0000  
Location: Section 16 - T14S - R41W  
License Number: \_\_\_\_\_  
Spud Date: 01 / 19 / 2022  
Surface Coordinates: 1134' FSL and 1332' FEL  
NE - NE - SW - SE  
Bottom Hole Coordinates: \_\_\_\_\_  
Ground Elevation (ft): 3736' K.B. Elevation (ft): 3744'  
Logged Interval (ft): 3700' To: 5220' Total Depth (ft): 5220'  
Formation: Mississippian  
Type of Drilling Fluid: Chemical - Mud-Co

Region: Wallace Co., KS  
Drilling Completed: 01 / 27 / 2022

Printed by MudLog 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 Information

CONTRACTOR: Murfin Drilling, Rig 112

#### BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12.25	Smith-?	3-15s	518'	518'	5.00
2	7.875	Smith-MI616	15-15-18	5220'	4702'	106.25

SURVEYS: 518'-0.75, 1649'-0.75, 2560'-0.75, 4193'-0.75, 5220'-1.00

#### GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 14 collars (6.25"x2.25"): 415.60  
Drilling with 14,000-18,000lbs on bit and 95-110 RPM  
Pumping 52-60 S/M; 6.7-7.7 B/M; and 600-900 PSI at the standpipe

## Daily Status

01/19/22 - Spud at 11:00 AM; Set 8-5/8" Csg @ 510'  
 01/20/22 - 518' WOC; PD @ 12:05 AM; DP @ 11:30 AM  
 01/21/22 - 1,433' Drilling  
 01/22/22 - 2,781' Drilling; Displace @ 3,502'  
 01/23/22 - 3,816' Drilling  
 01/24/22 - 4,193' TIH with DST #1  
 01/25/22 - 4,631' Drilling  
 01/26/22 - 5,120' Drilling; TD @ 5,220'; Attempt to log well and hit bridge at 4,600'; TIH with bit to condition hole and lost full returns; TOOH and add volume with LCM; Regain volume to keep the hole full for logging  
 01/27/22 - 5,220' Logging; Plug well in PM

	Log Tops	Sample Tops
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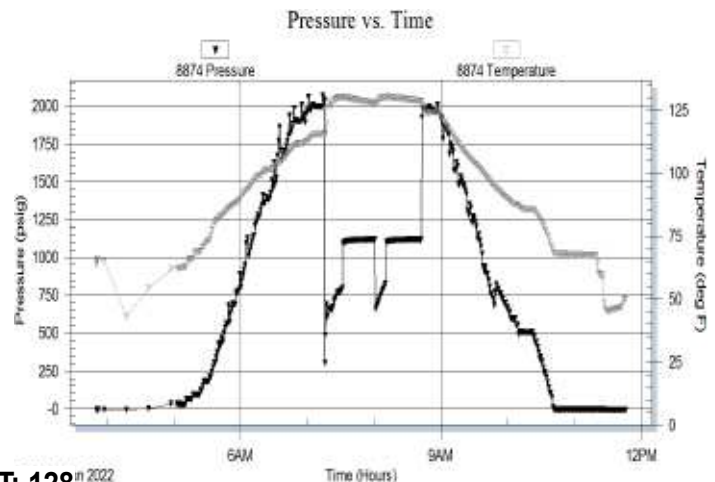
Anhydrite	2797 (+947)	2804 (+940)
Base of Anhy	2826 (+918)	2832 (+912)
Heebner	4117 (-373)	4121 (-377)
Lansing	4176 (-432)	4180 (-436)
Muncie Creek	4340 (-596)	4344 (-600)
Stark Sh	4437 (-693)	4440 (-696)
Pawnee	4664 (-920)	4668 (-924)
Cherokee Sh	4726 (-982)	4728 (-984)
Atoka Ls	4822 (-1078)	4824 (-1080)
Morrow Sh	4956 (-1212)	4959 (-1215)
Morrow Ls	5038 (-1294)	5040 (-1296)
Miss-St Louis	5118 (-1374)	5120 (-1376)
Total Depth	5216 (-1472)	5220 (-1476)

**DST #1: 4,148' - 4,193' (Toronto & LKC "A")**  
 15" - 30" - 10" - 30"

**IF: Blow building to BOB in 1.5 minutes**  
**ISI: No return blow**  
**FF: Blow building to BOB in 1 minute**  
**FSI: No return blow**

**RECOVERY: 1,260' Total Fluid, consisting of:**  
 1260' MCW w/ oil spots in tool (95% W & 5% M)  
**Sampler: 30 ml Water w/ oil spots @ 275 psi**  
**Chlorides recovery: 52,000 ppm**

**SIP: 1119-1119; FP: 303-796, 655-827; HP: 2041-1983; BHT: 128**



### ROCK TYPES

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

## 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
- Silty

### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram



- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh



- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

### TEXTURE

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

## OTHER SYMBOLS

### POROSITY TYPE

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

### SORTING

- Well
- Moderate
- Poor

### ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

### OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

### INTERVALS

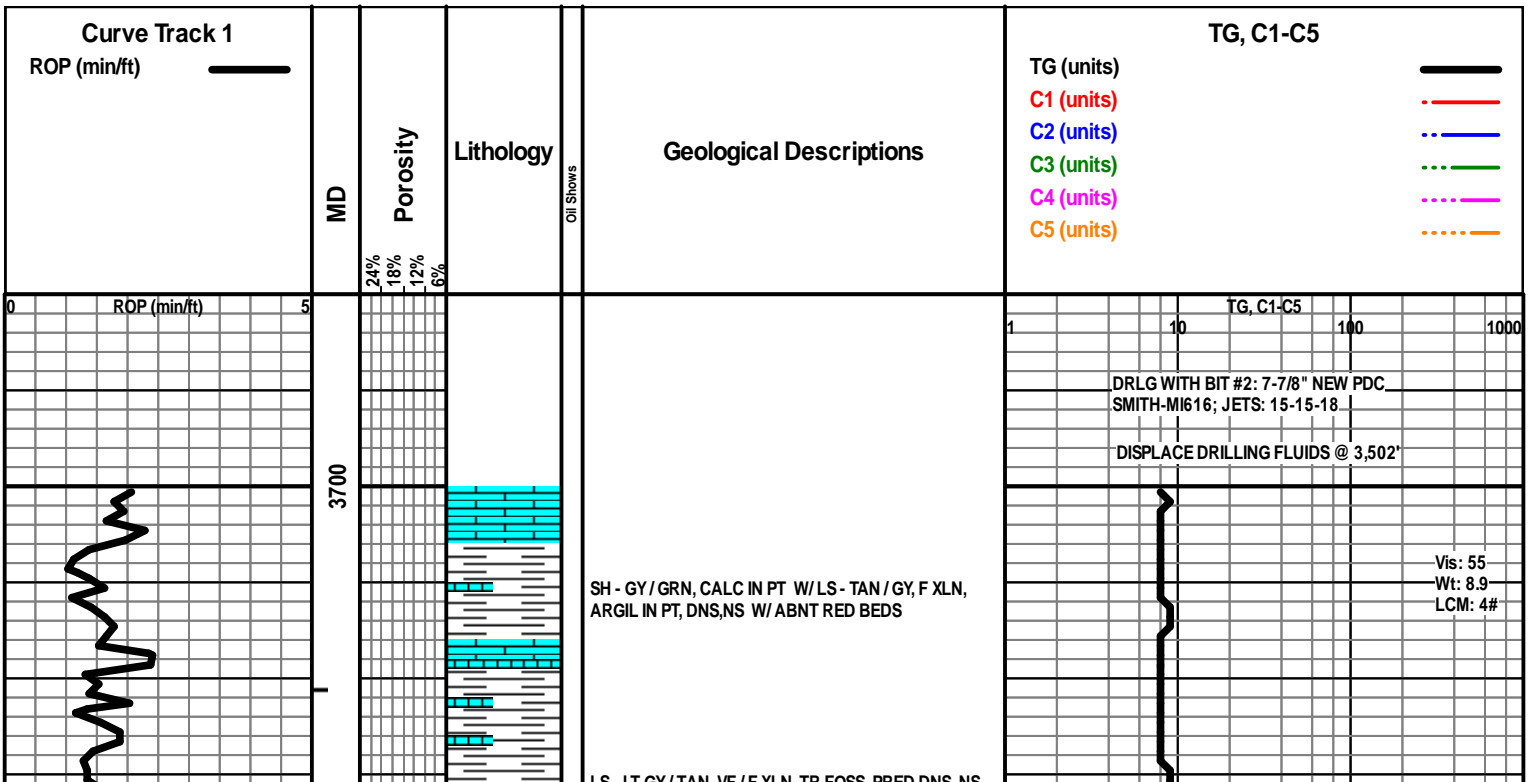
- Core
- Dst

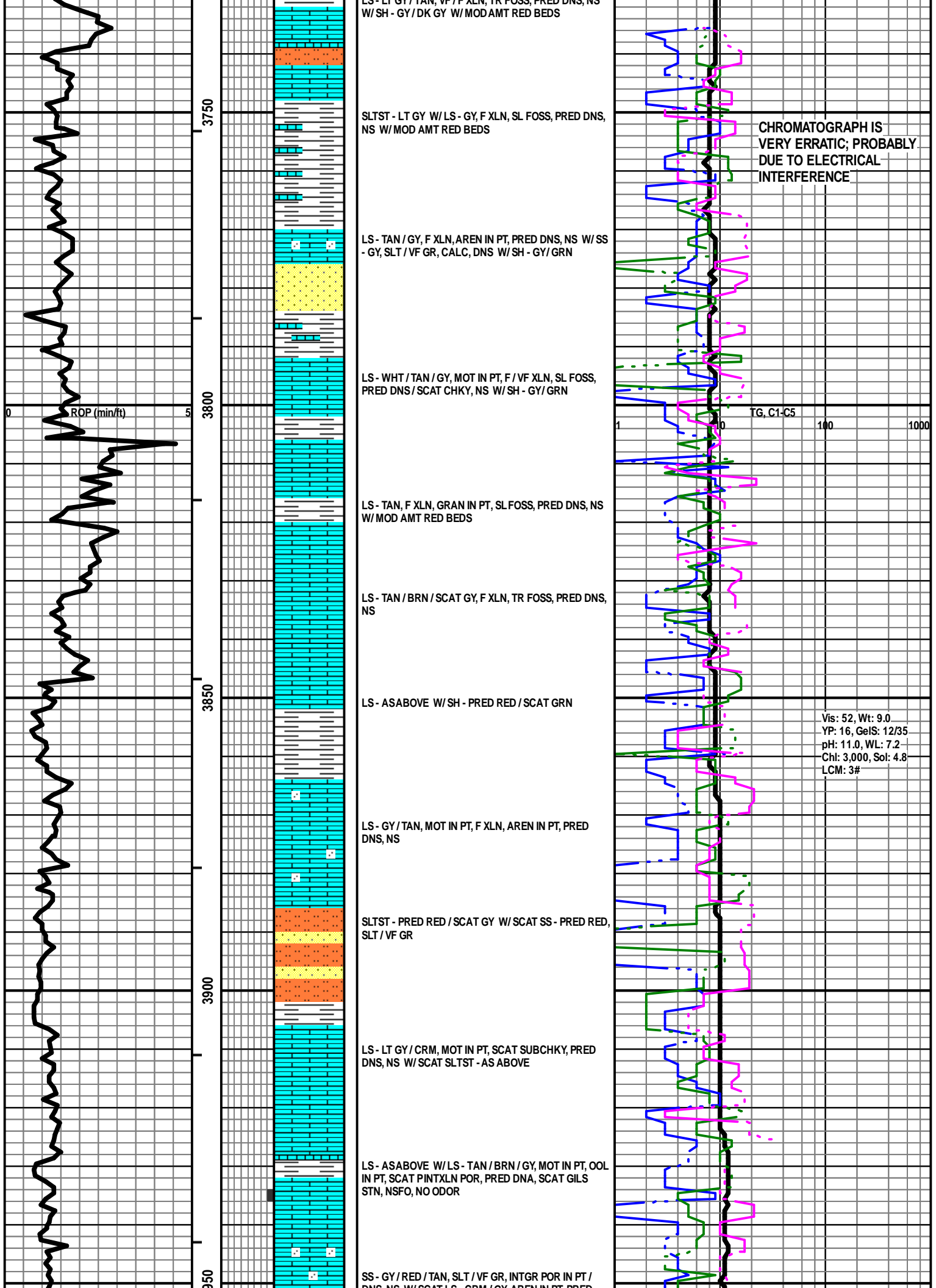


- Dst\_1\_t
- Dst\_1\_b
- Dst

### EVENTS

- Rft
- Sidewall
- Conn





LS - LT GY / TAN, VF XLN, TR FOSS, PRED DNS, NS W/SH - GY/DK GY W/ MOD AMT RED BEDS

CHROMATOGRAPH IS VERY ERRATIC; PROBABLY DUE TO ELECTRICAL INTERFERENCE

SLTST - LT GY W/LS - GY, F XLN, SL FOSS, PRED DNS, NS W/ MOD AMT RED BEDS

LS - TAN / GY, F XLN, AREN IN PT, PRED DNS, NS W/SS - GY, SLT / VF GR, CALC, DNS W/SH - GY/GRN

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

LS - TAN, F XLN, GRAN IN PT, SL FOSS, PRED DNS, NS W/ MOD AMT RED BEDS

LS - TAN / BRN / SCAT GY, F XLN, TR FOSS, PRED DNS, NS

LS - ASABOVE W/SH - PRED RED / SCAT GRN

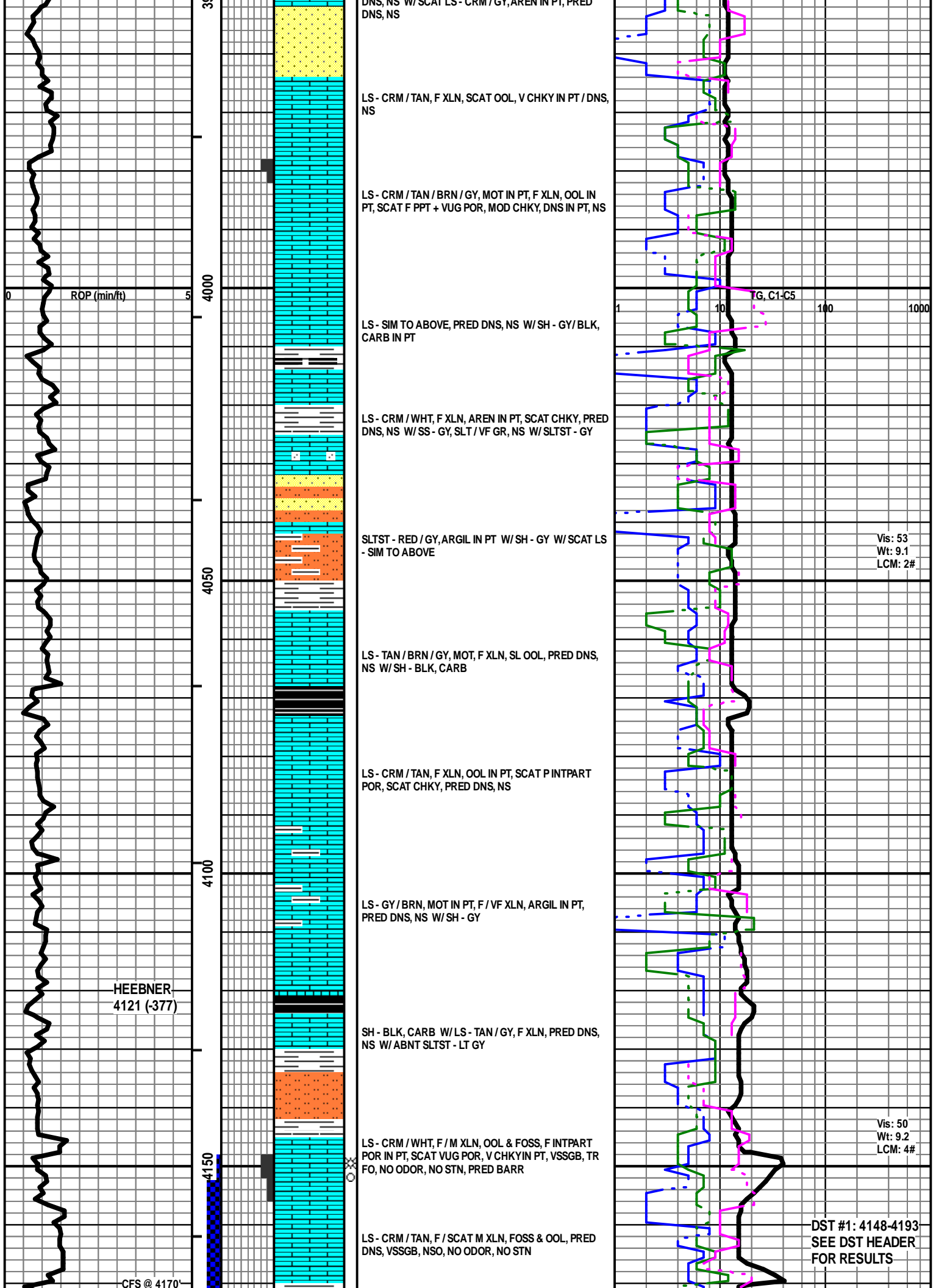
LS - GY / TAN, MOT IN PT, F XLN, AREN IN PT, PRED DNS, NS

SLTST - PRED RED / SCAT GY W/ SCAT SS - PRED RED, SLT / VF GR

LS - LT GY / CRM, MOT IN PT, SCAT SUBCHKY, PRED DNS, NS W/ SCAT SLTST - AS ABOVE

LS - ASABOVE W/LS - TAN / BRN / GY, MOT IN PT, OOL IN PT, SCAT PINTXLN POR, PRED DNA, SCAT GILS STN, NSFO, NO ODOR

Vis: 52, Wt: 9.0  
 YP: 16, GeIS: 12/35  
 pH: 11.0, WL: 7.2  
 Chl: 3,000, Sol: 4.8  
 LCM: 3#



DNS, NS W/SCAT LS - CRM / GY, AREN IN PT, PRED DNS, NS

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

LS - CRM / TAN / BRN / GY, MOT IN PT, F XLN, OOL IN PT, SCAT F PPT + VUG POR, MOD CHKY, DNS IN PT, NS

LS - SIM TO ABOVE, PRED DNS, NS W/SH - GY/BLK, CARB IN PT

LS - CRM / WHT, F XLN, AREN IN PT, SCAT CHKY, PRED DNS, NS W/SS - GY, SLT / VF GR, NS W/SLTST - GY

SLTST - RED / GY, ARGIL IN PT W/SH - GY W/SCAT LS - SIM TO ABOVE

LS - TAN / BRN / GY, MOT, F XLN, SL OOL, PRED DNS, NS W/SH - BLK, CARB

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

LS - GY / BRN, MOT IN PT, F / VF XLN, ARGIL IN PT, PRED DNS, NS W/SH - GY

SH - BLK, CARB W/LS - TAN / GY, F XLN, PRED DNS, NS W/ABNT SLTST - LT GY

LS - CRM / WHT, F / M XLN, OOL & FOSS, F INTPART POR IN PT, SCAT VUG POR, V CHKY IN PT, VSSGB, TR FO, NO ODOR, NO STN, PRED BARR

LS - CRM / TAN, F / SCAT M XLN, FOSS & OOL, PRED DNS, VSSGB, NSO, NO ODOR, NO STN

TG, C1-C5

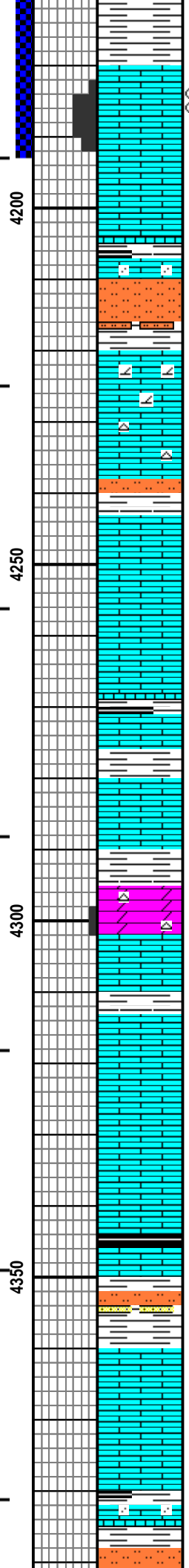
Vis: 53  
Wt: 9.1  
LCM: 2#

Vis: 50  
Wt: 9.2  
LCM: 4#

HEEBNER  
4121 (-377)

DST #1: 4148-4193  
SEE DST HEADER  
FOR RESULTS





SH - RED / GY / GRN

LS - CRM / WHT, F XLN, F / C REXLN CALC, OOL, P / F VUG & OOM POR, SCAT P / G INTXLN POR, V CHKY IN PT, SL / SCAT F SFO & ASPH, SSGB, BARR POR IN PT, F / G ODOR, SPTY BRN / BLK STN IN PT, F / G FLUOR & CUT IN PT

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

SLTST - RED / GY W / SH - RED / GY / GRN W / LS - GY / TAN, MOT, F XLN, SCAT REXLN CALC, AREN IN PT, FNLY OOL IN PT, PRED DNS, NS

LS - CRM / WHT / TAN, F XLN, SCAT REXLN CALC, DOLO IN PT, CHKY IN PT / DNS, NS W / CHT - LT GY / WHT W / LS - GY / TAN, F XLN, DNS, NS W / SH & SLTST - RED / GY

LS - CRM / TAN / GY, MOT IN PT, F XLN, TR FOSS, SUBCHKY IN PT, TR INTXLN POR, NS

LS - ASABOVE W / LS - TAN / GY / BRN, MOT IN PT, F XLN, FOSS & OOL IN PT, PRED DNS, NS

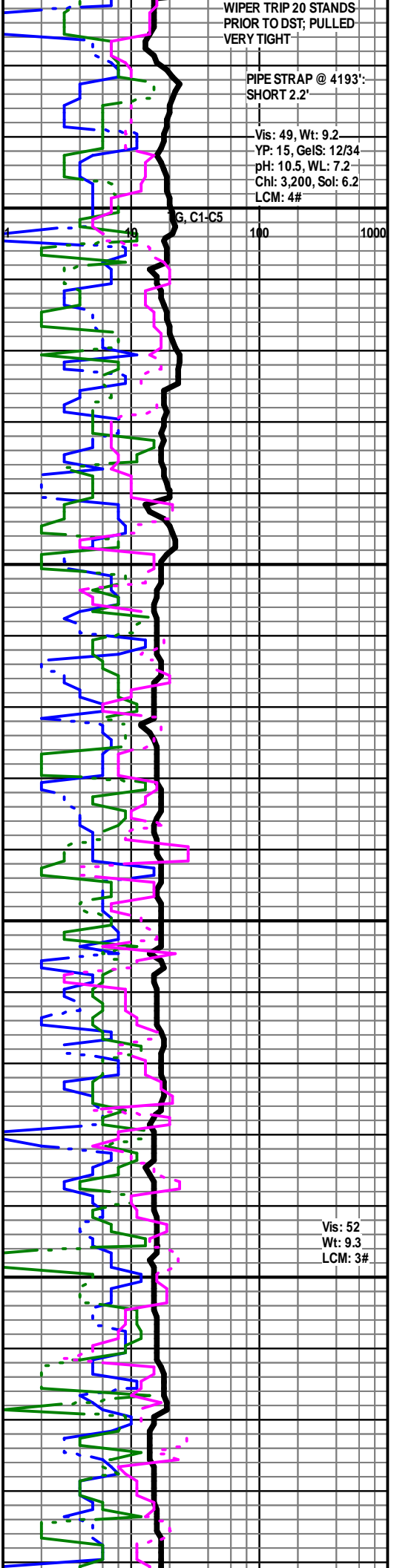
LS - ASABOVE W / DOLO - CRM / TAN, F XLN, SCAT P INTXLN POR, NS W / CHT - WHT / LT GY W / SH - GY

LS - CRM / TAN, F XLN, SCAT REXLN CALC, OOL IN PT, PRED DNS, NS W / LS - TAN / LT GY, MOT IN PT, F XLN, MOD CHKY / DNS, NS

LS - TAN / GY, PRED MOT, F XLN, SL FOSS, PRED DNS, NS

LS - TAN / BRN, MOT, F XLN, DNS, NS W / SLTST - LT / MED GY W / SCAT SS - LT GY, SLT / VF GR, MIC W / LS - GY / TAN, MOT IN PT, F XLN, SUBCHKY IN PT, PRED DNS, NS

LS - GY / TAN, MOT, F XLN, SCAT FOSS & OOL, AREN IN PT, PRED DNS, NS W / SH - GY / BLK W / SLTST - GY

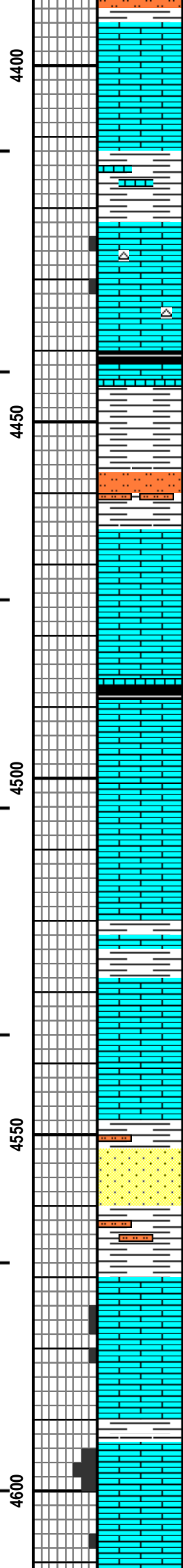
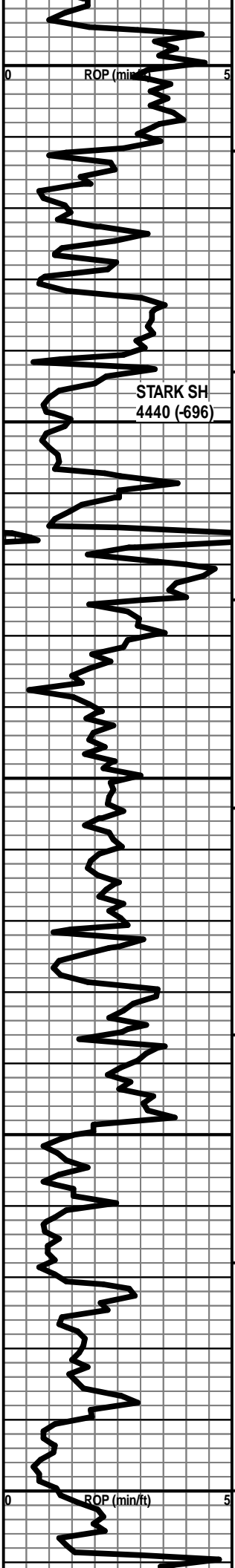


WIPER TRIP 20 STANDS PRIOR TO DST; PULLED VERY TIGHT

PIPE STRAP @ 4193' SHORT 2.2'

Vis: 49, Wt: 9.2  
YP: 15, GeIS: 12/34  
pH: 10.5, WL: 7.2  
Chl: 3,200, Sol: 6.2  
LCM: 4#

Vis: 52  
Wt: 9.3  
LCM: 3#



LS - CRM / GY / SCAT TAN, F XLN, FOSS IN PT,  
SUBCHKY IN PT, PRED DNS,NS

LS - TAN / BRN / GY, MOT IN PT, F XLN, OOL & FOSS,  
SCAT P INTPART & MOLDIC POR, PRED CHKY/DNS,  
NS W/ SCAT CHT - WHT / LT GY W/ MODAMT SH - GY /  
SCAT BLK

LS - CRM / TAN, F XLN, SCAT OOL, PRED DNS, NS W/  
SCAT SH - BLK, CARB

STARK SH  
4440 (-696)

PRED SH - GY W/ SLTST - GY W/ SCAT LS - TAN / BRN,  
F XLN, OOL IN PT, PRED DNS, NS

LS - CRM / TAN / BRN, F XLN, SCAT FOSS & OOL,  
SUBCHKY IN PT, PRED DNS, NS W/ SH - BLK, CARB

LS - CRM / TAN / SCAT GY, MOT IN PT, F XLN, SUBCHKY  
/ DNS, NS

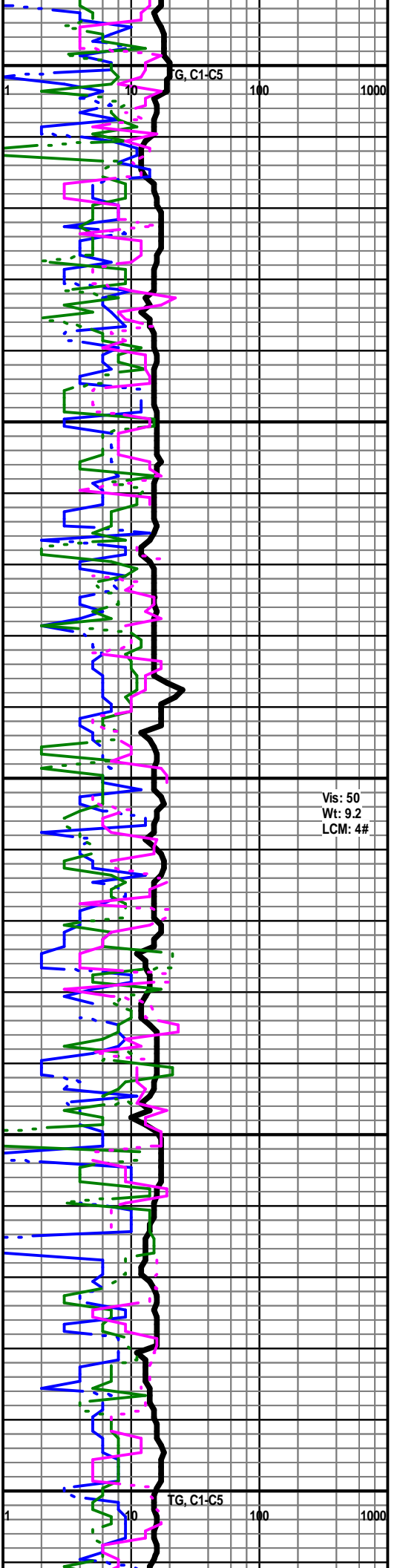
LS - TAN / BRN / GY, MOT IN PT, F XLN, FOSS IN PT,  
PRED DNS, NS W/ SH - PRED GY

LS - ASABOVE, DNS, NS

SS - LT GY / WHT, SLT / VF GR, NS W/ SH - PRED GY,  
SLTY IN PT

SH - GY / SCAT GRN W/ LS - TAN / CRM / SCAT GY, F  
XLN, SCAT REXLN CALC, OOL & FOSS IN PT, SCAT P  
INTXLN POR, CHKY IN PT / DNS, NS

LS - CRM / TAN, F XLN, OOL, SL FOSS, F / G INTXLN &  
VUG POR IN PT, CHKY IN PT / DNS, NS W/ SH - GY /  
SCAT GRN



Vis: 50  
Wt: 9.2  
LCM: 4#



LS - CRM / TAN / BRN, F XLN, SUBCHKY / DNS, NS W / SH - GY / BLK / GRN, SLTY IN PT

LS - CRM / TAN, F XLN, OOL, SL FOSS, P / F INTXLN / INTPART POR IN PT, CHKY IN PT / DNS, NS W / LS - GY / BRN, MOT, F XLN, DNS, NS W / SH - GY

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

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

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

LS - AS ABOVE W / SH - GY / BLK, CARB IN PT W / SCAT LS - TAN / CRM / GY, MOT, F XLN, PRED DNS, NS

LS - GY, F XLN, PRED DNS, NS W / SH - BLK, CARB W / LS - TAN / GY / CRM, F XLN, SCAT REXLN CALC, FOSS IN PT, PRED DNS, NS

LS - TAN / CRM / GY, AS ABOVE, DNS, NS W / SH - GY / BLK

LS - CRM / TAN / GY, MOT IN PT, F XLN, SCAT REXLN CALC, AREN IN PT, SUBCHKY IN PT, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

LS - TAN / GY, F XLN, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

LS - SIM TO ABOVE, NS W / SH - MED / DK GY / BLK, CARB IN PT

LS - TAN / BRN / GY, MOT IN PT, F XLN, SL FOSS, PRED

Vis: 47, Wt: 9.3  
YP: 15, GeIS: 12/33  
pH: 10.0, WL: 7.2  
Chl: 3,400, Sol: 7.0  
LCM: 4#

PAWNEE  
4668 (-924)

CHEROKEE  
4728 (-984)

ATOKA LS  
4824 (-1080)

ROP (min/ft)

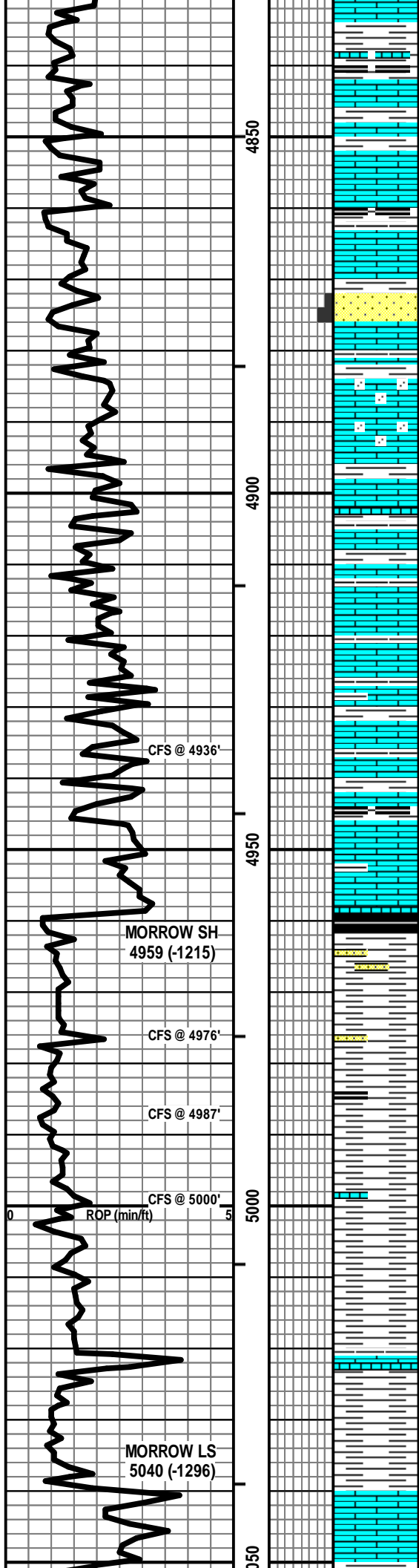
4650

4700

4750

4800

1 10 TG, C1-C5 100 1000



DNS, NS W/SH - GY/BLK, SCAT CARB

LS - GY/TAN/SCAT BRN, MOT, F XLN, SCAT REXLN  
CALC, SL FOSS, PRED DNS, NS W/SH - GY/BLK,  
SCAT CARB

LS - GY/TAN/BRN, MOT IN PT, F XLN, SL FOSS, PRED  
DNS, NS W/SH - GY/BLK, CARB IN PT W/SCAT SS -  
TAN/GY, VF GR, SA/SR, W SRTD, CALC CEM, P/SCAT  
F INTGR POR, F/G SGB, VSSFO, NO ODOR, POSS SPTY  
STN, G FLUOR & CUT

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

LS - GY/SCAT TAN, V SIM TO ABOVE, NS W/SH - GY/  
BLK

LS - TAN/GY, MOT IN PT, F XLN, SUBCHKY IN PT, PRED  
DNS, NS W/SH - GY/BLK

LS - TAN/SCAT GY, MOT IN PT, F XLN, SUBCHKY IN PT,  
PRED DNS, NS W/SH - GY/BLK

LS - TAN/SCAT BRN/SCAT GY, V SIM TO ABOVE, NS

SH - GY/BLK, CARB IN PT, MOD PYR W/FEW PCES SS  
- WHT/LT GY, VF/F GR, SR/R, FW SRTD, CALC CEM,  
P/NO INTGR POR, NS

PRED SH - MED/DK GY, SCAT SLTY W/TR SS - AS  
ABOVE, NO VIS POR, NS

PRED SH - GY/SCAT BLK, SCAT CARB, ABNT PYR W/  
TR SS - LT GY, F/C GR, SR/R, PSRTD, V CALC CEM, F  
INTGR POR, NS

SH - MED/DK GY W/SCAT SLTST - GY W/TR LS - BRN  
/TAN, MOT, F XLN, DNS (CAVINGS?)

SH - LT/DK GY W/SCAT SLTST - GY/GRN

SH - LT/DK GY, SCAT SLTY W/SCAT LS - GY/TAN,  
MOT, F XLN, GLAUC, DNS, NS

LS - CRM/TAN/BRN, MOT, F/M XLN, OOL & FOSS,  
PRED DNS, NS

Vis: 50  
Wt: 9.3  
LCM: 3#

WIPER TRIP 15  
STANDS @ 4,936'

Vis: 49  
Wt: 9.4  
LCM: 4#

MORROW SH  
4959 (-1215)

CFS @ 4976'

CFS @ 4987'

CFS @ 5000'

MORROW LS  
5040 (-1296)

TG, C1-C5

100 1000

LS - ASABOVE, SCATAREN W/ ABNT SH - GY, SCAT SLTY

PRED SH - LT / MED GY W/ SLTST - GY/ GRN W/ MOD AMT LS - CRM / TAN / SCAT BRN, MOT, F / M XLN, OOL IN PT, SL FOSS, DNS, NS

LS - TAN / CRM / BRN, MOT, F / M XLN, FOSS, OOL IN PT, PRED DNS, NS W/ SH - GY

LS - ASABOVE, NS W/ SH - GY

— MISS ST LOUIS 5120 (-1376)

LS - CRM / TAN, PRED F XLN, SCAT CRYPTO XLN, OOL, AREN IN PT, SUBCHKY / DNS, NS W/ SS - LT GY, SLT / VF GR, NS

LS - CRM / TAN, F XLN, OOL IN PT, AREN IN PT, CHKY / DNS, NS W/ SH - GY

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

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

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

PRED SH - MED GY, SLTY IN PT W/ SCAT SS - GY, VF GR, P / NO POR, NS

TOTAL DEPTH 5220 (-1476)

Vis: 60  
Wt: 9.3  
LCM: 6#

Vis: 54, Wt: 9.4  
YP: 20, GeIS: 14/37  
pH: 10.0, WL: 7.2  
Chl: 3,700, Sol: 7.5  
LCM: 4#

Attempt to log well and hit bridge at 4,600'; TIH with bit to condition hole and lost full returns; TOOH and add volume w/ LCM; Regain volume to keep hole full for logging; Fluid loss approx 600 bbls

MISS 5120 (-1376)

0 5 ROR (min/ft)

5100  
5150  
5200  
5250

1 1 TG, C1-C5 100 1000