

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
--	---

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	Trek AEC, LLC
Well Name	STAATZ 2
Doc ID	1570638

All Electric Logs Run

Dual Induction, Gamma Ray
Compensated Density
Compensated Neutron
Borehole Compensated Sonic - Integrated
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Trek AEC, LLC
Well Name	STAATZ 2
Doc ID	1570638

Tops

Name	Top	Datum
Severy Sandstone	2416	-669
Topeka Limestone	2428	-681
Heebner Shale	2690	-943
Brown Limestone	2806	-1059
Lansing A	2824	-1077
Lansing C	2852	-1105
Lansing H	2972	-1225
Lansing J	3016	-1269
Stark Shale	3046	-1299
Swope	3050	-1303
Base/Kansas City	3119	-1372
Conglomerate	3126	-1379
Upper Simpson	3184	-1437
Lower Simpson Sandstone	3202	-1455
Arbuckle	3229	-1482





**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 4/22/2021  
 Invoice # 2215  
 P.O.#:  
 Due Date: 5/22/2021  
 Division: Russell

# Invoice

Contact:  
 TREK AEC, LLC  
 Address/Job Location:

4925 GREENVILLE AVE, SUITE 915  
 DALLAS TX 75206

**ENTERED**

Reference:  
 STAATZ 2 SEC 35-16-9

Description of Work:  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 610.73	No				
Common-Class A	145	\$ 2,044.67	Yes				
Calcium Chloride	7	\$ 268.33	Yes				
POZ Mix-Standard	35	\$ 167.71	Yes				
Pump Truck Mileage-Job to Nearest Camp	45	\$ 138.62	No				
Bulk Truck Matl-Material Service Charge	190	\$ 130.06	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	45	\$ 107.81	No				
Premium Gel (Bentonite)	3	\$ 59.55	Yes				

Invoice Terms:  
 Net 30

SubTotal:	\$	3,527.49
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(88.19)
SubTotal for Taxable Items:	\$	2,476.76
SubTotal for Non-Taxable Items:	\$	962.54
Total:	\$	3,439.30
Tax:	\$	185.76
<b>Amount Due:</b>	<b>\$</b>	<b>3,625.06</b>
<b>Applied Payments:</b>		
<b>Balance Due:</b>	<b>\$</b>	<b>3,625.06</b>

7.50% Ellsworth County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2215

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4/22/21	35	16	9	Ellsworth	Kansas		3:00 PM

Location Loc 2 N 16th Rd 2 E 10th N IN White

Lease <u>Spratz</u>	Well No. <u>2</u>	Owner
Contractor <u>Duke Rig 2</u>		To Quality Oilwell Cementing, Inc.
Type Job <u>Surface</u>		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size <u>12 1/8</u>	T.D. <u>396</u>	Charge To <u>Trax</u>
Csg. <u>8 5/8</u>	Depth <u>389.44</u>	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>20'</u>	Shoe Joint <u>20'</u>	Cement Amount Ordered <u>180 lbs 38 cc 2% gel</u>
Meas Line	Displace <u>23.5</u>	

**EQUIPMENT**

Pumptrk <u>17</u> No.	Cementor	Common <u>145</u>
	Helper <u>Tom</u>	Poz. Mix <u>33</u>
Bulktrk <u>9</u> No.	Driver <u>Jason</u>	Gel. <u>3</u>
	Driver <u>Jason</u>	Calcium <u>7</u>
Bulktrk <u>P.V.</u> No.	Driver <u>David</u>	

**JOB SERVICES & REMARKS**

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kel-Seal
Centralizers	Mud CLR 48
Baskets	GFL-117 or GD110 CAF 38
D/V or Port Collar	Sand
	Handling <u>150</u>
	Mileage

Run 8 5/8 and set circulation  
cement with 180 lbs  
and displaced

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Cement did not circulate

	Pumptrk Charge
	Mileage <u>75</u>

Thanks

X Signature Dion Urquiza

Tax
Discount
Total Charge





**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

**Date:** 4/28/2021  
**Invoice #** 2221  
**P.O.#:**  
**Due Date:** 5/28/2021  
**Division:** Russell

# Invoice

**Contact:**  
 TREK AEC, LLC  
**Address/Job Location:**

4925 GREENVILLE AVE, SUITE 915  
 DALLAS TX 75206

**Reference:**  
 STAATZ 2 SEC 35-16-9

**Description of Work:**  
 PROD STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 618.09	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	45	\$109.11	No
Common-Class A	170	\$ 2,426.08	Yes				
Gilsonite	750	\$ 779.37	Yes				
Mud Clear	500	\$ 505.72	Yes				
5 1/2" Turbolizer	6	\$ 299.28	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 232.77	Yes				
5 1/2" Basket	1	\$ 193.98	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 184.28	Yes				
Salt (Fine)	15	\$ 136.13	Yes				
Pump Truck Mileage-Job to Nearest Camp	45	\$ 140.29	No				
Bulk Truck Matl-Material Service Charge	192	\$ 133.01	No				

**SubTotal:** \$ 5,758.11

**Discount Available** ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (143.95)

SubTotal for Taxable Items: \$ 4,638.67

SubTotal for Non-Taxable Items: \$ 975.49

**Total:** \$ 5,614.16

**Tax:** \$ 347.90

7.50% Ellsworth County Sales Tax

**Amount Due:** \$ 5,962.06

**Applied Payments:**

**Balance Due:** \$ 5,962.06

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2221

Date	4/28/21	Sec.	35	Twp.	16	Range	9	County	Ellsworth	State	Kansas	On Location		Finish	10:15am								
Lease								Well No.		Owner													
Contractor								Duke Drilling Rig 2		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.													
Type Job								Long string		Charge To													
Hole Size								7 7/8		T.D.		3330				Trek AEC LLC							
Csg.								5 1/2		Depth		3329				Street							
Tbg. Size										Depth						City							
Tool										Depth						State							
Cement Left in Csg.								42-19		Shoe Joint		42-19				Cement Amount Ordered							
Meas Line								Displace		76.25				170 com 10% sg + 5% g. 160 m									
EQUIPMENT								Common		170				500 gal mud clear									
								Pumptrk		5		No.		Cementer		Craig				Poz. Mix			
JOB SERVICES & REMARKS								Bulktrk		9		No.		Driver		Doug				Gel.			
								Bulktrk		pu.		No.		Driver		David				Calcium			
Remarks:								Rat Hole		30 sks				Hulls									
Mouse Hole								20 sks				Salt				15							
Centralizers								1, 3, 5, 7, 13, 16				Flowseal				Kol-Seal				750 #			
Baskets								Joint - 10				Mud CLR 48				500 gal							
D/V or Port Collar												CFL-117 or CD110 CAF 38				SAND							
Ran 5 1/2 casing and est. circulation pumped 500 gal mud clear then cemented bathole & mouse hole cemented 5 1/2 with 120 sks and displaced  Lift pressure 750 # psi landed plug at 1500 # psi								Handling		192				Mileage									
								FLOAT EQUIPMENT								Guide Shoe						Centralizer	
								Baskets		1				AFU Inserts									
								Float Shoe		1				Latch Down		1							
								Pumptrk Charge		prod string				Tax									
								Mileage		45				Discount									
Signature								Tom Beem				Total Charge											

Thanks



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

TREK AEC LLC

**35-16s-9w Ellsworth Co. Ks**

200 W Douglas Suite 101  
Wichita Ks 67202

**Staatz #2**

Job Ticket: 66771

**DST#: 1**

ATTN: Doug Davis

Test Start: 2021.04.25 @ 19:24:15

## GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:38:00

Time Test Ended: 02:12:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

**Interval: 3008.00 ft (KB) To 3030.00 ft (KB) (TVD)**

Reference Elevations: 1747.00 ft (KB)

Total Depth: 3030.00 ft (KB) (TVD)

1739.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8931**

**Inside**

Press@RunDepth: 26.71 psig @ 3009.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.04.25

End Date:

2021.04.26

Last Calib.:

2021.04.26

Start Time: 19:24:20

End Time:

02:12:29

Time On Btm:

2021.04.25 @ 21:34:00

Time Off Btm:

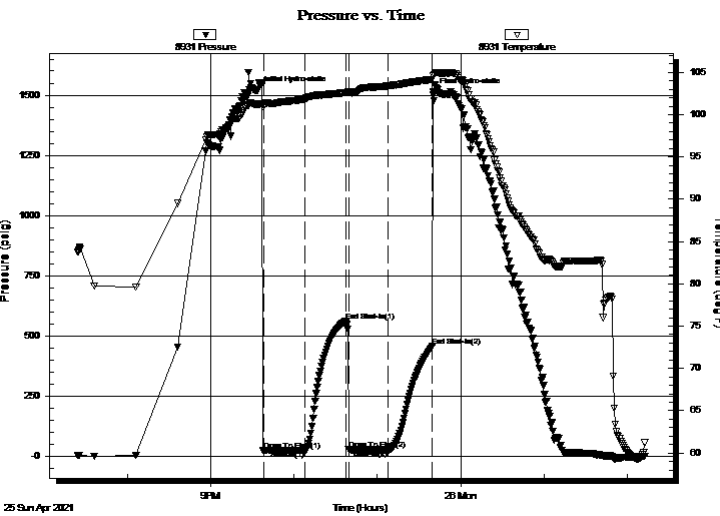
2021.04.25 @ 23:40:15

TEST COMMENT: IF: Weak Blow . Built to 1.07". (30min)

IS: No Blow . (30 min)

FF: Weak Surface Blow . (30 min)

FS: No Blow . (30 min)



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1518.23	101.23	Initial Hydro-static
4	25.26	101.00	Open To Flow (1)
34	24.01	101.91	Shut-In(1)
64	562.14	102.60	End Shut-In(1)
66	27.57	102.65	Open To Flow (2)
94	26.71	103.39	Shut-In(2)
126	456.91	104.17	End Shut-In(2)
127	1512.45	104.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	OSM 100% m	0.43

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

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ATTN: Doug Davis

Test Start: 2021.04.25 @ 19:24:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

3500 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 3500.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	OSM 100%m	0.435

Total Length: 31.00 ft      Total Volume: 0.435 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

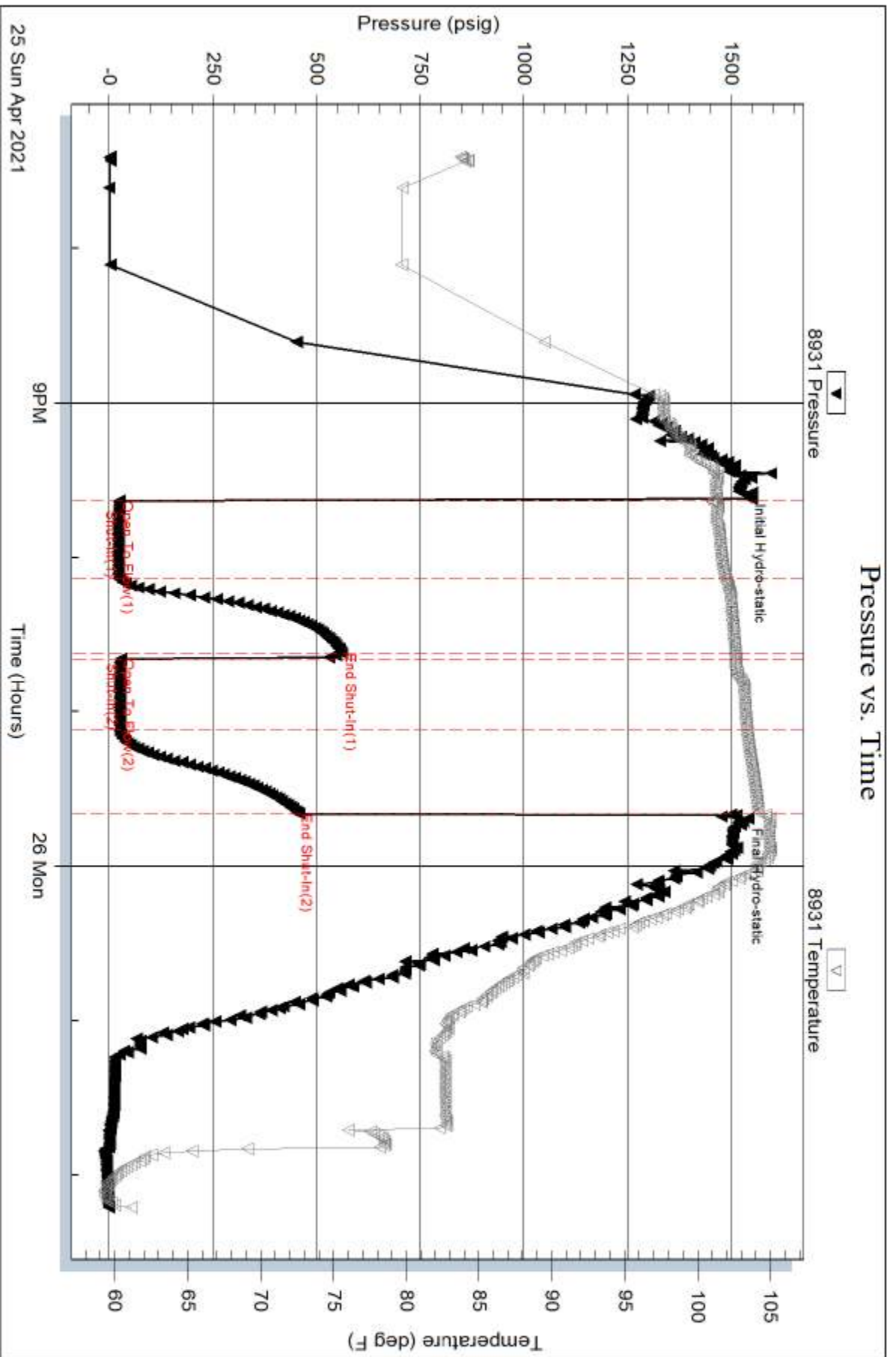
Recovery Comments:

Serial #: 8931

Inside TREK AEC LLC

Shaft #2

DST Test Number: 1



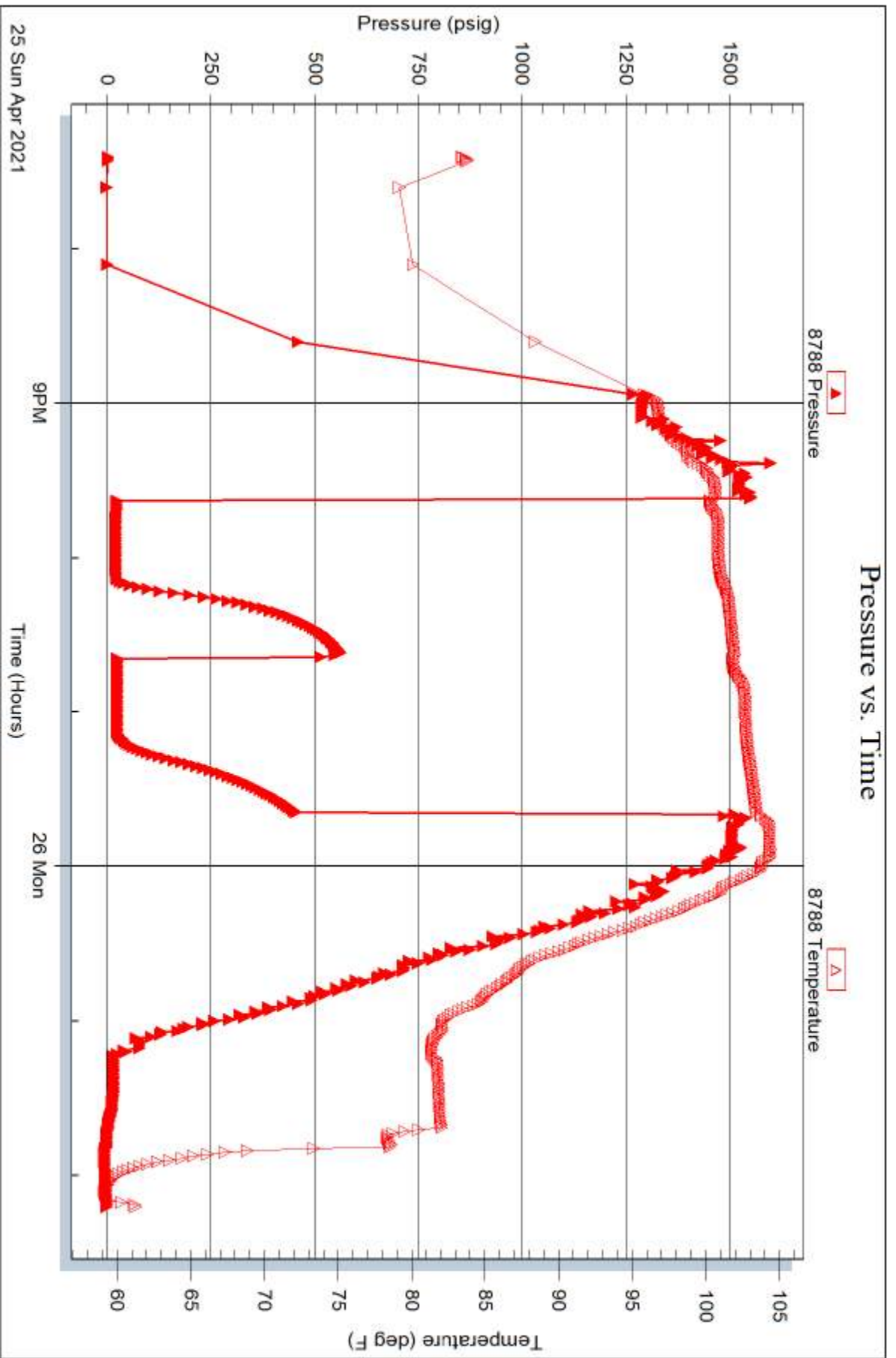


Serial #: 8788

Outside TREK AEC LLC

Shaft #2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 66771

Printed: 2021.04.26 @ 04:21:53



**TRILOBITE  
TESTING, INC**

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TREK AEC LLC

**35-16s-9w Ellsworth Co. Ks**

200 W Douglas Suite 101  
Wichita Ks 67202

**Staatz #2**

Job Ticket: 66771

**DST#: 1**

ATTN: Doug Davis

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Time Off Btm:

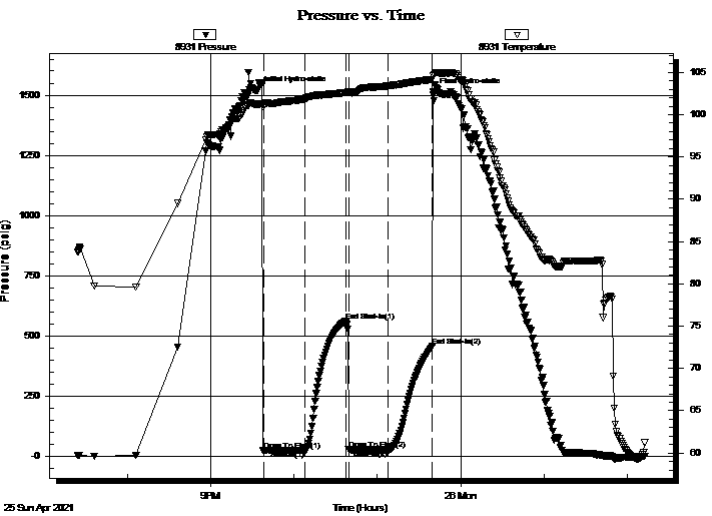
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TESTING, INC**

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Cushion Length:

ft

Water Salinity:

3500 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 3500.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	OSM 100%m	0.435

Total Length: 31.00 ft      Total Volume: 0.435 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

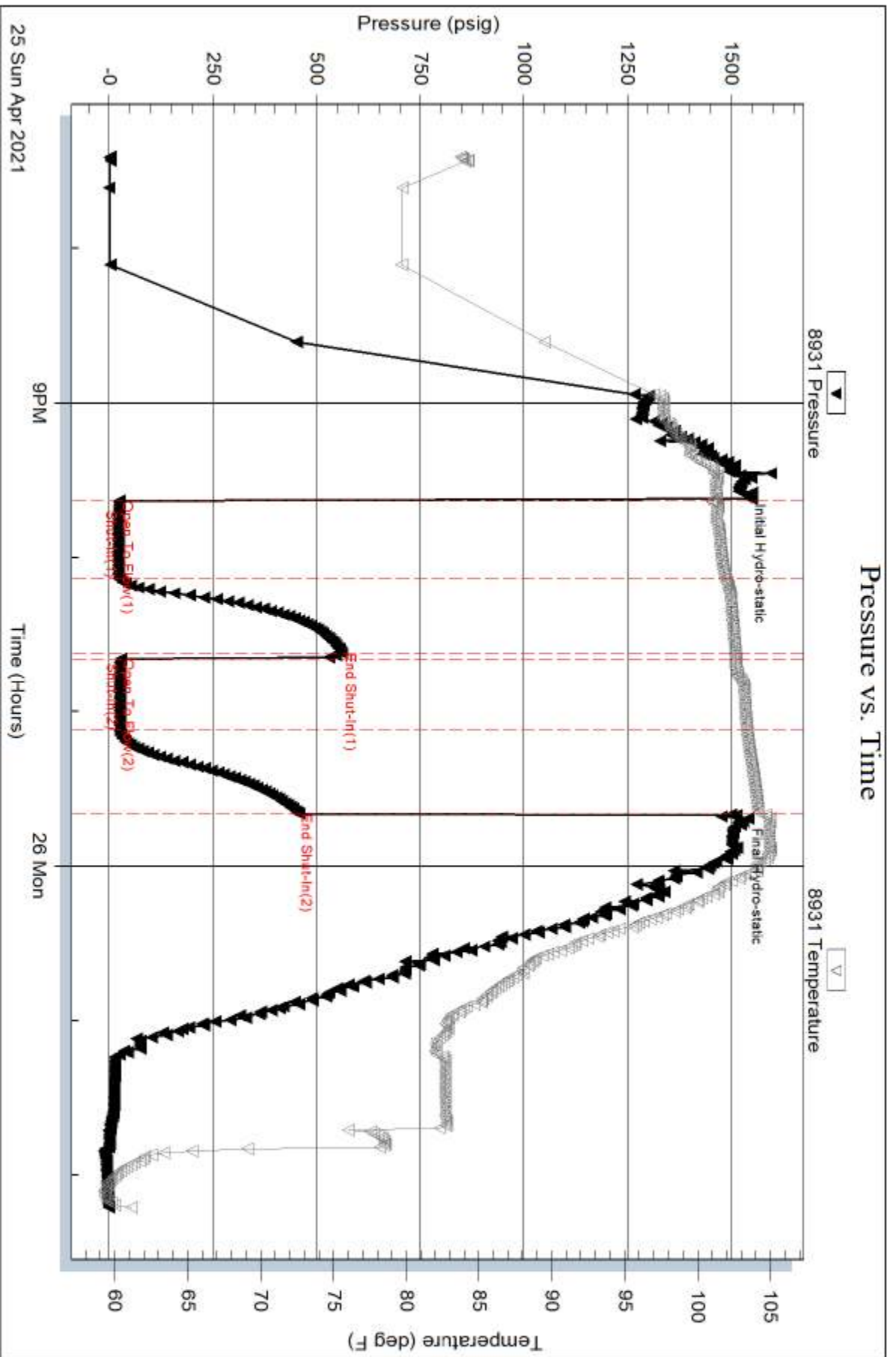
Recovery Comments:

Serial #: 8931

Inside TREK AEC LLC

Shaft #2

DST Test Number: 1



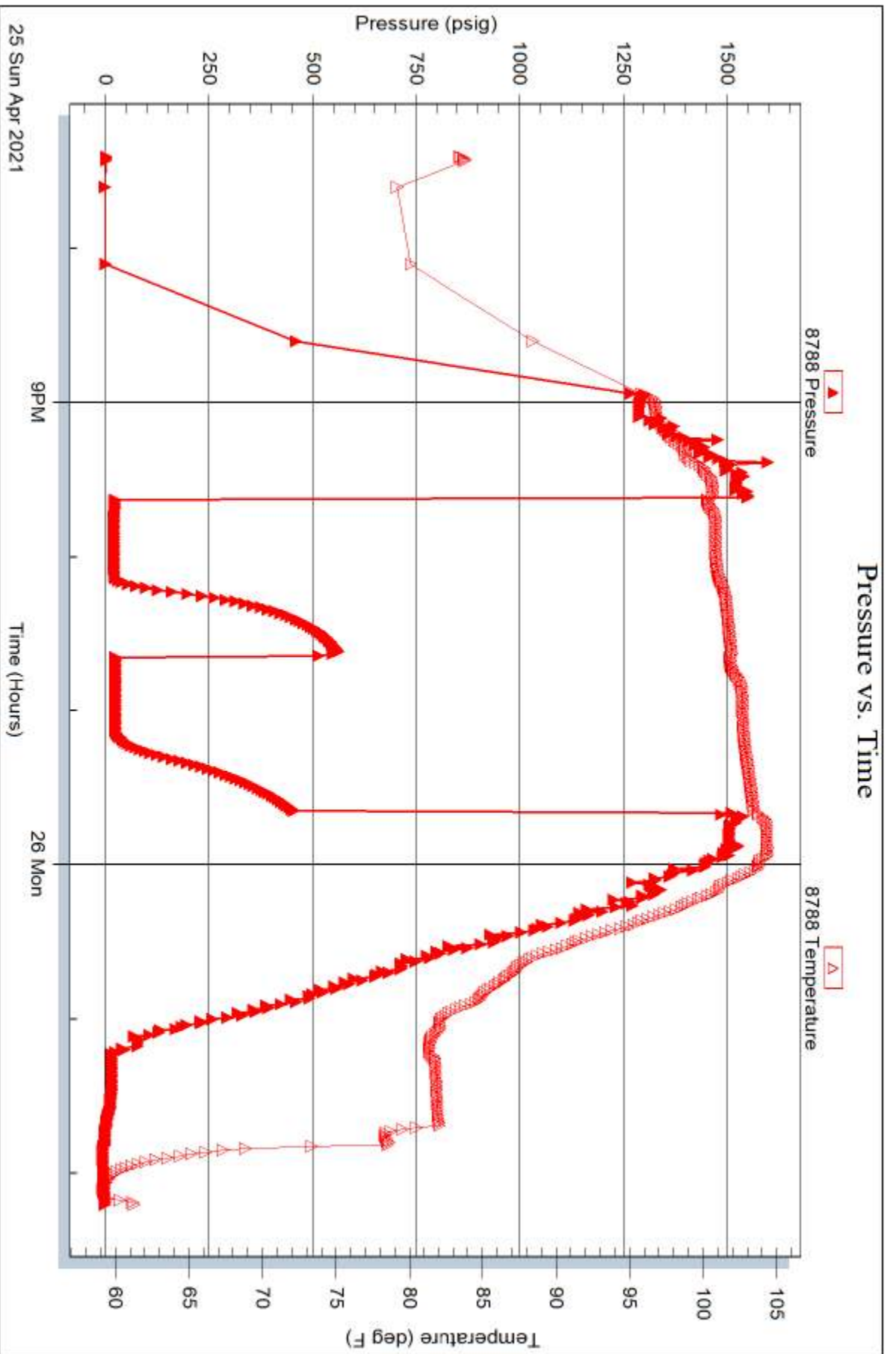


Serial #: 8788

Outside TREK AEC LLC

Shaft #2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 66771

Printed: 2021.04.26 @ 04:21:53

**HEADER**  
**WellSight Systems**  
Scale 1:240 (5"=100') Imperial

Well Name: STAATZ #2  
Location: Section 35 - Township 16 South - Range 9 West  
Licence Number: 35-053-21,375. 0000 Region: Ellsworth County, KS.  
Spud Date: 21 April 2021 Drilling Completed: 27 April 2021  
Surface Coordinates: SW SE NW SE  
(1,445' FSL & 1,945' FEL)

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1,739' K.B. Elevation (ft): 1747'  
Logged Interval (ft): 1000' To: 3330' Total Depth (ft): 3330'  
Formation: Permian ----> Arbuckle  
Type of Drilling Fluid: Chemical; Low Solids (non-dispersed)

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

**OPERATOR**

Company: Trek AEC, LLC.  
Address: 200 West Douglas, Suite 101  
Wichita, Kansas 67202-3001

**GEOLOGIST**

Name: Doug Davis  
Company: D-EX PRODUCTION COMPANY  
Address: 1231 North Denene  
Wichita, Kansas 67212  
Cell: (316) 641-4469

2021

**DAILY DRILLING STATUS -- APRIL**

2021

12-1/4" Hole

21 April --- Spud @ 7pm.  
Drill to 396'.  
Run 8-5/8" casing (23#)  
Set casing @ 389.44'.  
Cemented w/ 180 sx  
80/20 POZ + 3%CC/2%Gel.  
Cement did circulate.

22 April --- Plug down @ 3am.  
WOC.

7-7/8" Hole

22 April --- 7am @ 396'.  
Under Surface Casing @ 1:15pm.

23 --- 7am @ 1,584'.  
24 --- 7am @ 2,350'.  
25 --- 7am @ 2,935'.  
DST #1 (L-KC "J") 3,008'-3,030'.

7-7/8" Hole

26 April --- 7am @ 3,044'.  
DST #2 (Arbuckle)  
3,220'-3,232'.

27 --- 7am @ 3,232'.  
RTD (3,330') @ 3pm.

**DSTs**

DST #1 3008-3030,  
30"-30"-30"-30"  
Weak Blow throughout  
Rec- 31' Oil Spotted Mud  
Ihp 1518#  
IFP 25-24#  
ISIP 562#  
FFP 28-27#  
FSIP 457#  
FHP 1512#  
BHT 101

DST #2 3220-3232  
30"-60"-30"-60"  
Strong Blow Throughout  
Rec- 220' GIP, 535' CGO,  
64' GMCO  
IHP 1595#  
IFP 32-139#  
ISIP 1156#  
FFP 136-233#  
FSIP 1154#  
FHP 1538#

BHT 102

### HOLE DEVIATION (396' - 3,330')

DEPTH / TVD	--- INCLINATION	AZIMUTH	NORTH	SOUTH	EAST	WEST	DOGLEG deg/100'
396' /	--- 0.75 (Surface)						
3,330' /	--- 0.75 (RTD)						

STRAP - None Taken.

Board:  
Strap:  
Diff:

### BIT RECORD

DATE	SIZE	TYPE	JET SIZE	DEPTH IN / OUT	CUM. FT.	HOURS	ROP
21 April 2021	12-1/4"	Baker PL516	14 - 14 - 14	0' / 306'	396'	2.75	144.0
22 April 2021	7-7/8"	JC 117	16 - 16 - 16	396' / 3,330'	2,934'	67.75	43.3

### ROCK TYPES

<b>POROSITY</b> 	<b>LITHOLOGY</b> 				
		<b>MINERAL</b> 		<b>STRINGER</b> 	

### ACCESSORIES

#### FOSSIL

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

- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

#### MINERAL

- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag

- Calc
- Chalk
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule

- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Ooliticastic
- Oolite
- Sucrosic
- Dark specks

#### STRINGER

- Calc dol
- Silty dol
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Calc dol
- Sltstrg
- Ssstrg
- Chalk
- New symbol

### OTHER SYMBOLS

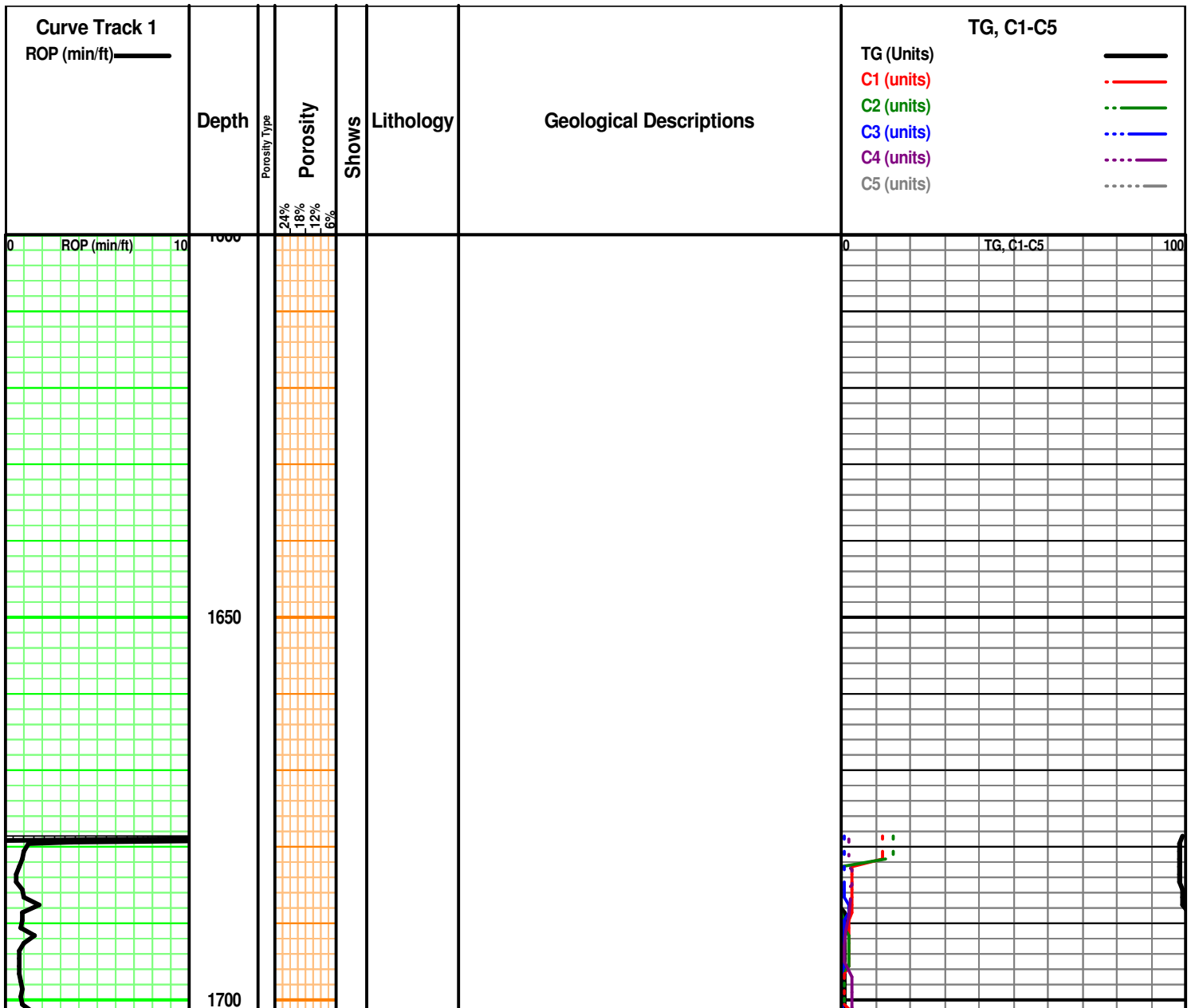
#### ACTIVITY

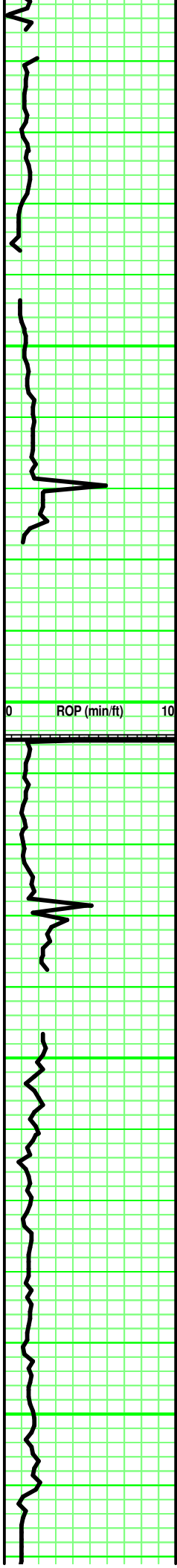
- Lost circluation
- Circulate for same

- Circulate for same
- Rtd
- Trip

- Connection
- Rft

- Sidewall



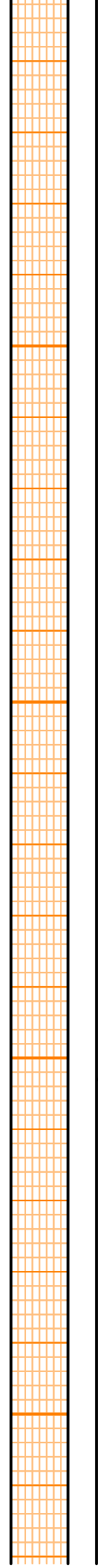


1750

1800

1850

1900



Sh- Gry to Dk Gry

Ls- Tan to Lt Brn, Fxln, Fos, NVP, NS

Ls- Crm to Tan, Fxln, Fos, NVP, NS

Sh- Gry to Grgry-Grn

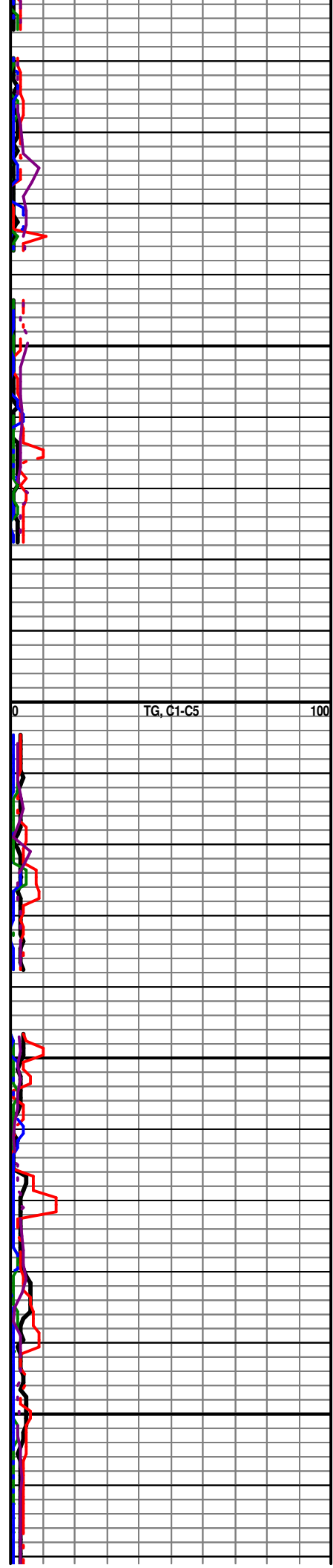
Ls- Crm to Tan , Fxln, NVP NS

**Permian Admire**

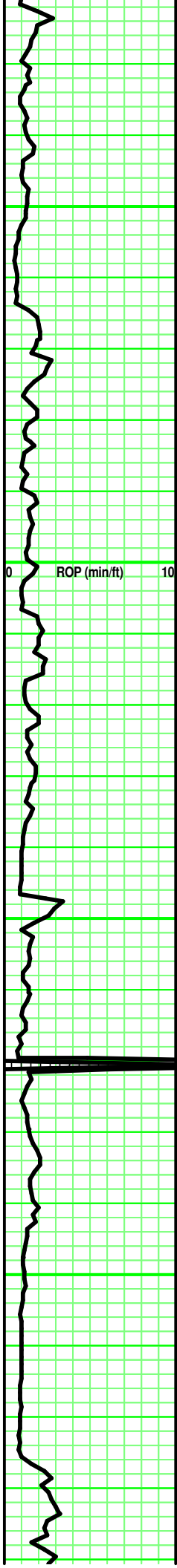
Ls-Crm to Tan, Fxln, NVPor, No Shows

Ls- Tan/Lt Gry-Brn, Fxln, Fos, NVP, NS

**Indian Cave No SS**  
Sh- Gry to Dk Gry No sand







1950

2000

2050

2100

**Penn Wabaunsee**  
Ls-<sup>\*</sup> Gry-Brn, Fxln, NVP, NS

Ls- Crm to Tan, Fxln, NVP NS

Sh- Grn to Gry

Ls- Crm To Tan Fxln, NVP NS

Ls- Crm, Fxln, NVP, NS

Sh- Gry

Ls- Lt Gry, Fxln, NVP, NS

Sh- Gry Red

Ls- Crm to Tan, Fxln, NVP, NS

Ls- Tan to Lt Brn, Fxln Fos, NVP, NS

Sh- Gry

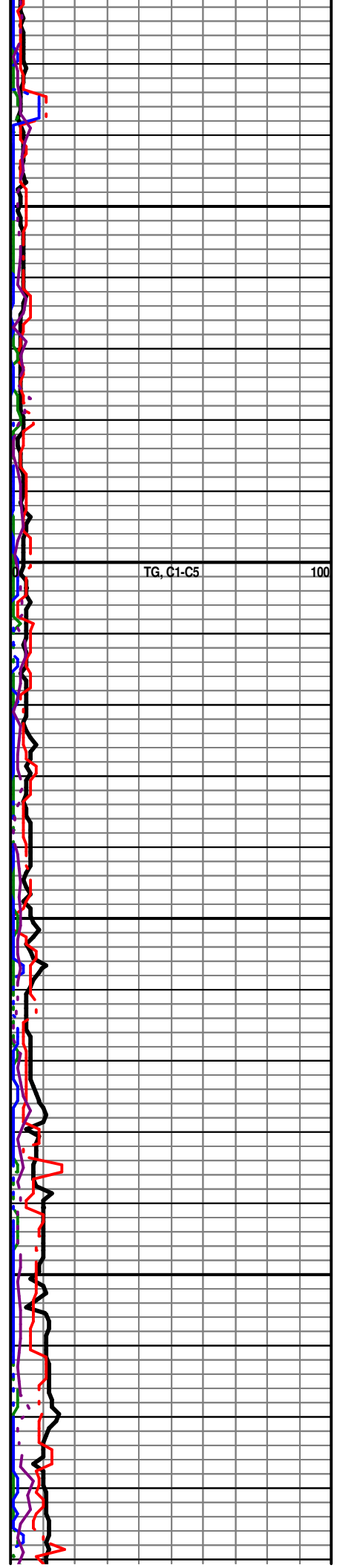
Ls- Tan to Brn Fxln NVP NS

Sh- Gry to Dk Gry

Sh- Gry

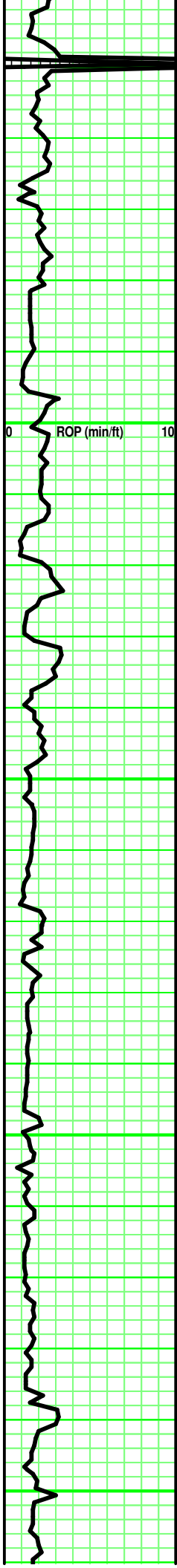
**TARKIO**

Ls- Brn to Crm, Fxln, Fos NVP NS

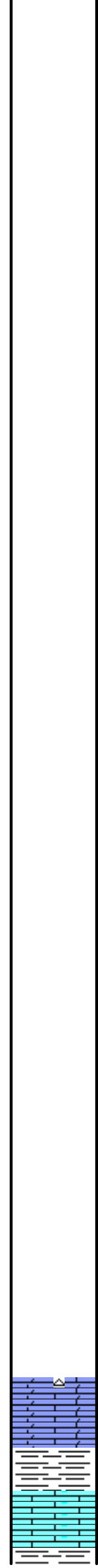
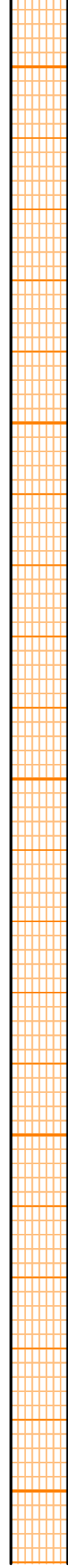


TG, C1-C5

100



2150  
2200  
2250  
2300  
2350



Sh- Gry to Dk Gry

Ls- Crm to Tan, Fxln, Fos, NVP, NS

Ss- Clr to Lt GRy, Qtz, Mica, VFGnd, Pr to Fr Inter-Gran Por, NS,  
Ls- Lt Gry, Fxln, NVP, NS

Sh- Gry

Ls- Crm to Tan, Fxln, Fos, NVP NS

Sh- Gry, NO SS

Ls- Crm to Tan, Fxln, Fos, NVP NS

Sh- Gry no SS

Ls- Crm to Tan, Fxln, Fos, NVP, NS

Sh- Gry, No SS

Ls- Crm to Tan, Fxln, Fos, NVP, NS

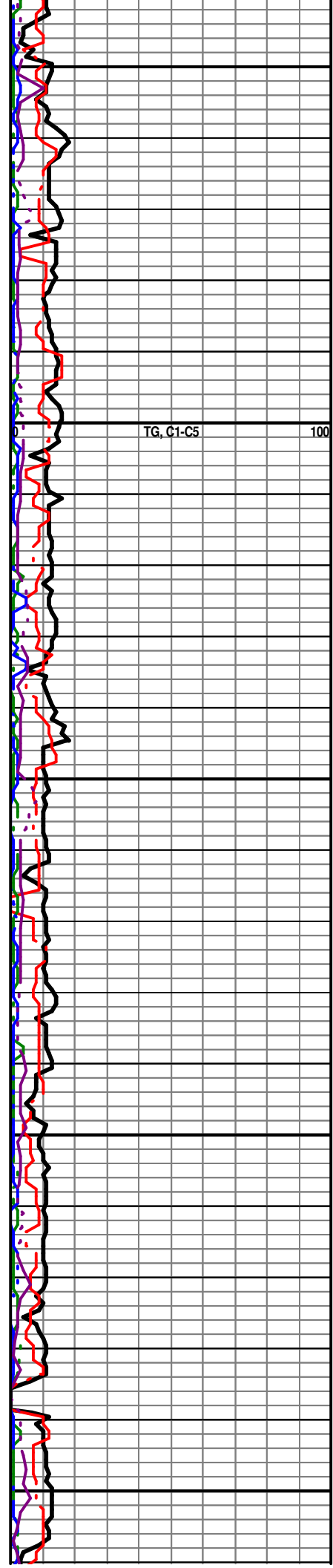
Sh- Gry

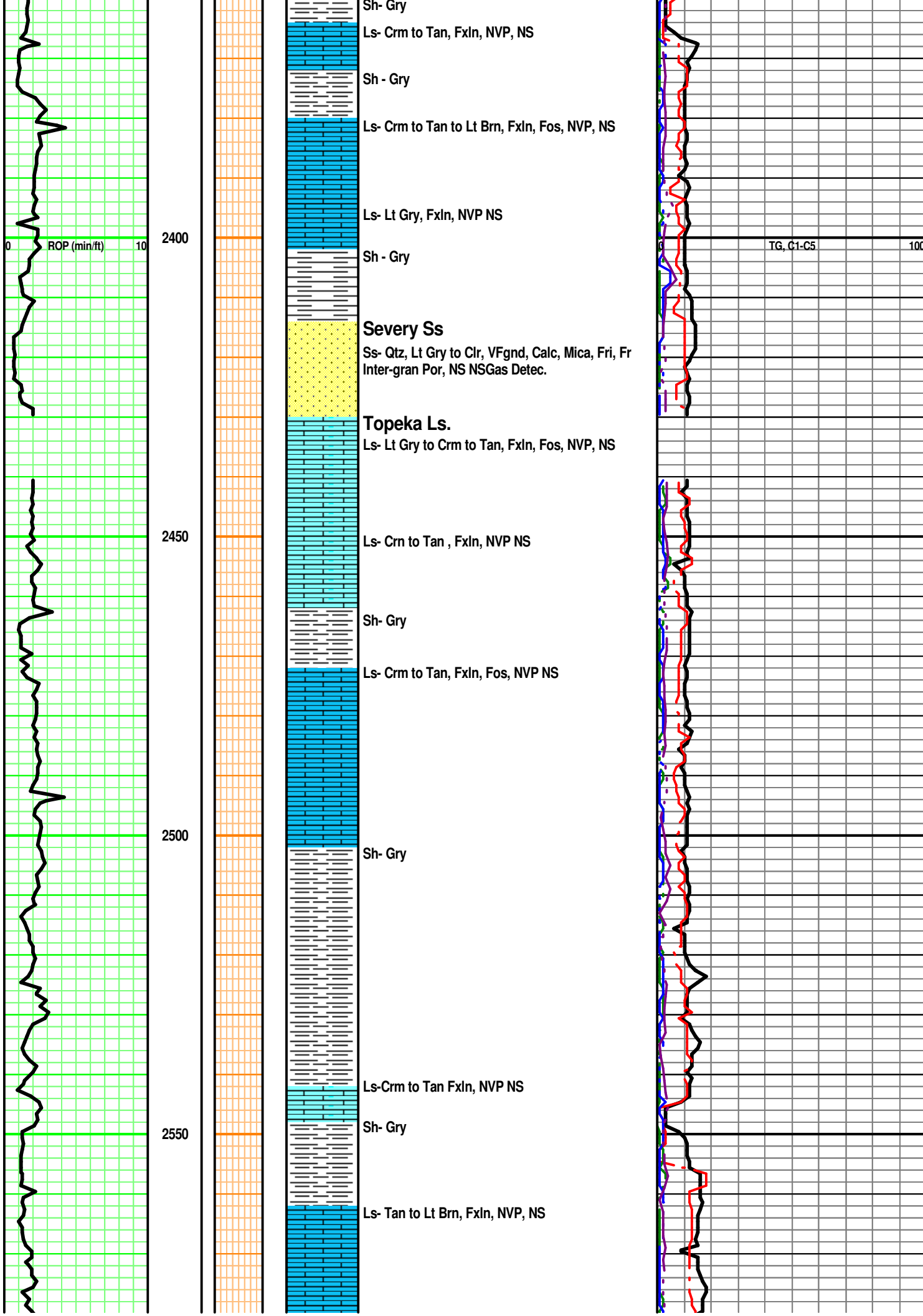
Sh- Gry

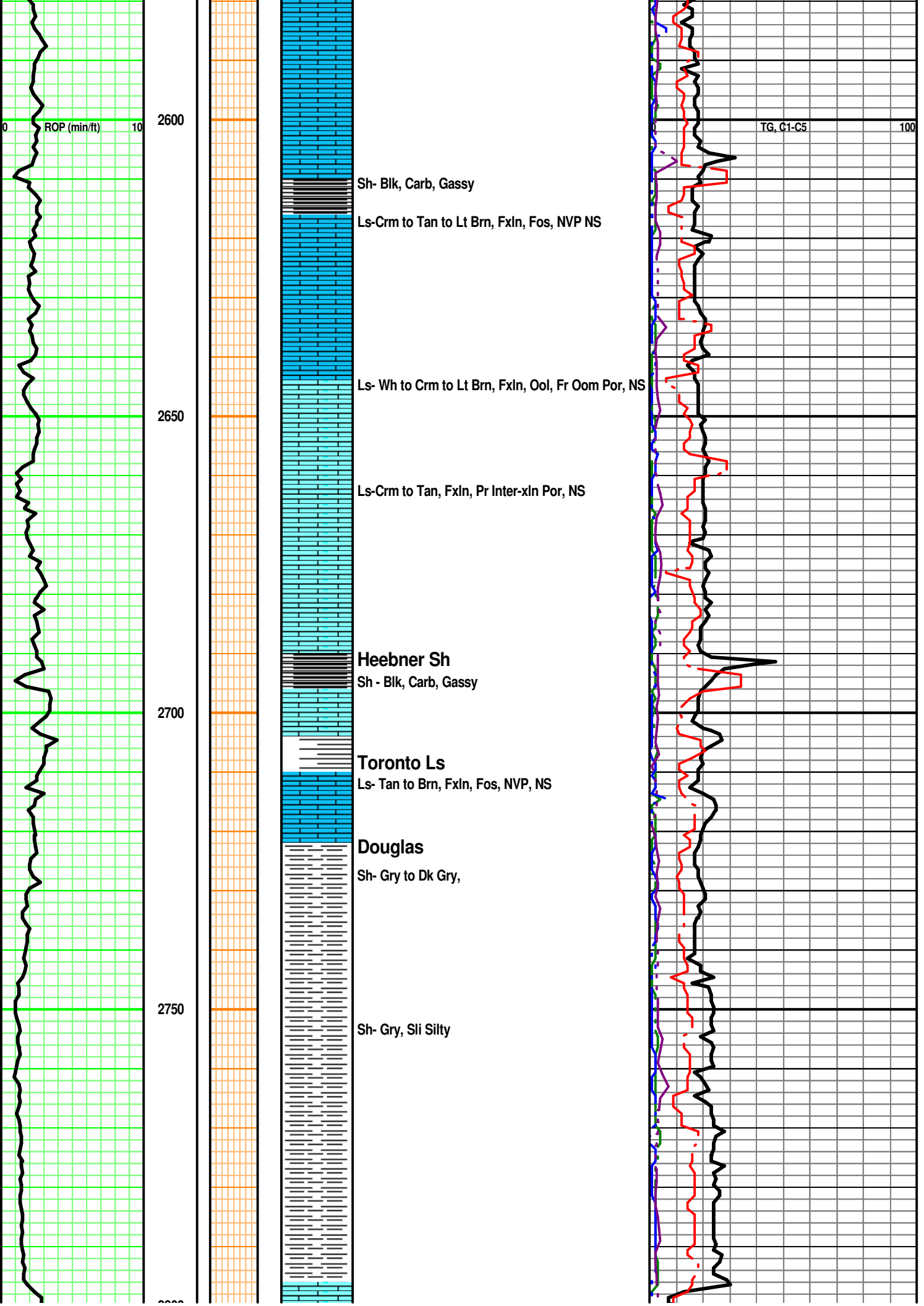
**Howard Ls.**  
Ls.- Tan, Fxln, NVP, NS

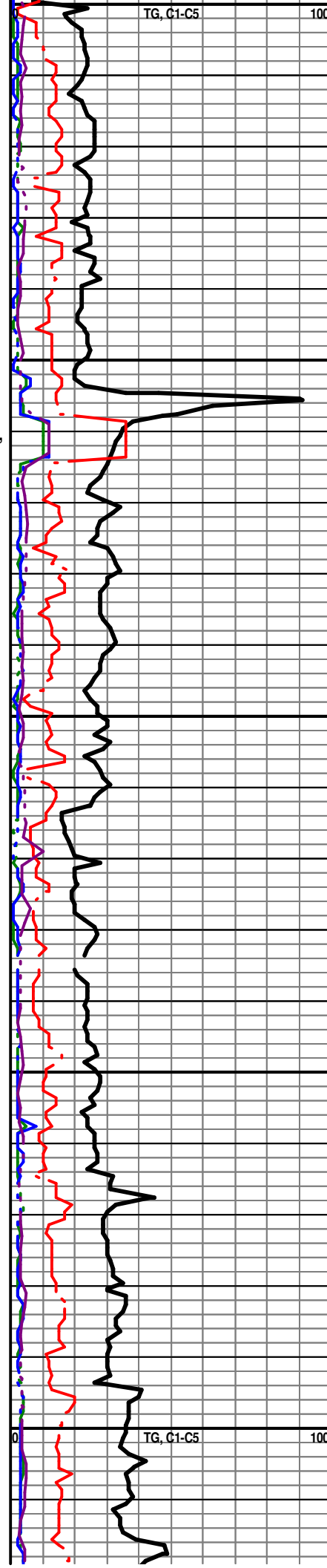
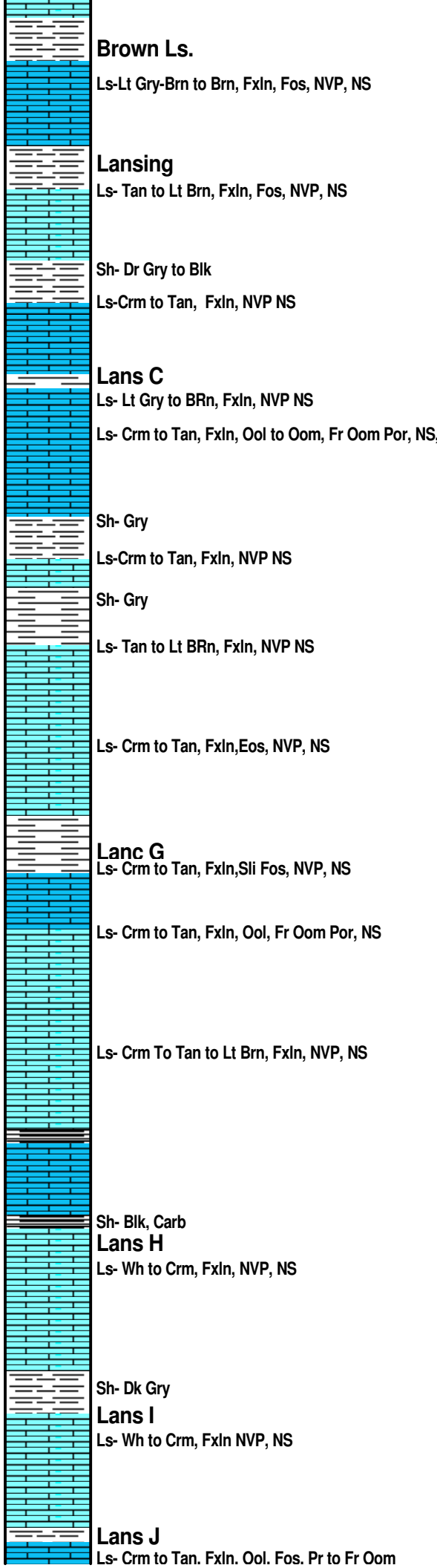
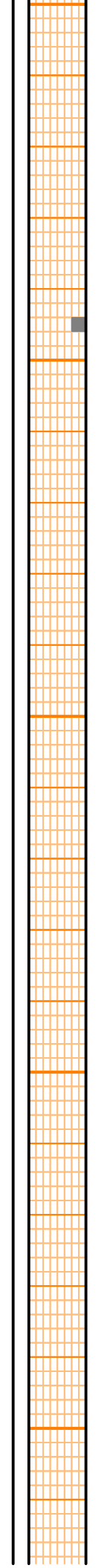
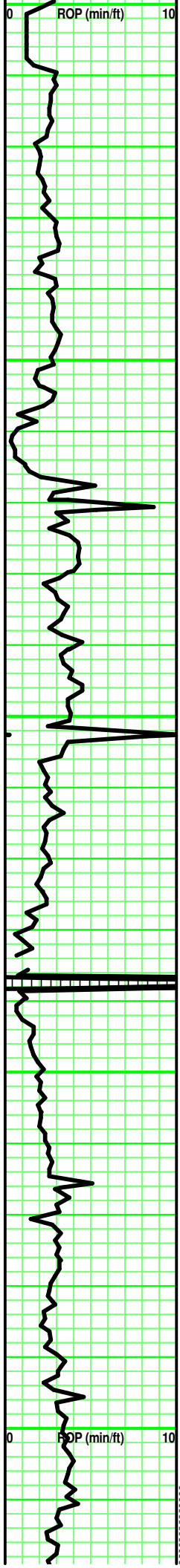
Sh- Gry

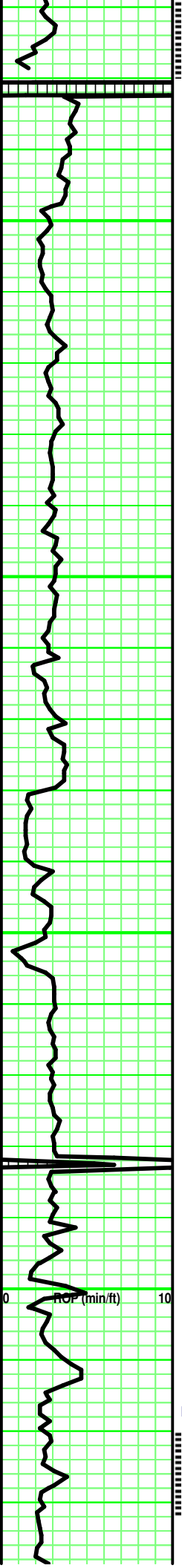
Ls- Crm to Tan, Fxln, NVP, NS











3050

3100

3150

3200

DST #2

Por/Foscast Por, Odor, Lt Brn Stn, Fluor/Cut  
 Ls- Tan, Fxln to Sli Suc, Fos/ Ool, Sli Oom, Fos  
 Cast Por Inter-Ood, Inter-xln Por, Lt Brn Stn, Gd  
 Oder, Trc FOil, Fluor/Cut

Ls- Crm to Tan, Fxln, NVP, NS

Sh- Dk Gry to Blk

Ls- Crm to Tan, Fxln, NVP NS w/ Cht- Wh

Ls-Wh to Crm, Fxln, NVP, NS

Sh-Dk Gry to Blk

Sh- Gry To Blk  
**Conglomerate**  
 Ls- Crm To Tan, Fxln, NVP, NS  
 Sh- Red to Gry

Ls- Tan to Brn, Fxln, NVp NS, stained red from SH-  
 red

Sh- Red to Gry

Ls- Lt Gry to Crn=m to Tan, Fxln, NVP, NS

**Simpson**  
 Ss- Qtz,Clr to Multi Color, Fri, Shly, NVp NS

Sh- Multi-color, Sdy

Ss- Qtz, Clr, Fgnd, Fri, Pr to Fr Inter-gran Por, Trc  
 FO, to Dead Oil, No Fluor, Odor

Sh- Grn, Waxy

**ARBUCKLE**  
 Dol- Tan, Suc to F/Mxln, Pr to Fr Inter-xln Por, FO,  
 Stain, Fluor/Cut/Odor

Dol- Tan to Lt Brn, Suc to F/Mxln, Pr to Fr Inter-xln  
 Por. Stain. FO. Fluor?Cut/Odor

DST #1 (L-KC "J")  
 3,008' - 3,030'

Rec: 31' OIL spkd Mud

IFP: 25# - 24# / 30"  
 ISIP: 562# / 30"  
 FFP: 28# - 27# / 30"  
 FSIP: 457# / 30"

MH: 1,518# - 1,512#  
 101 deg F

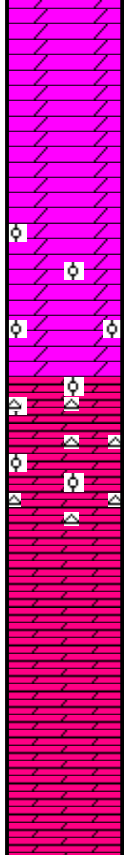
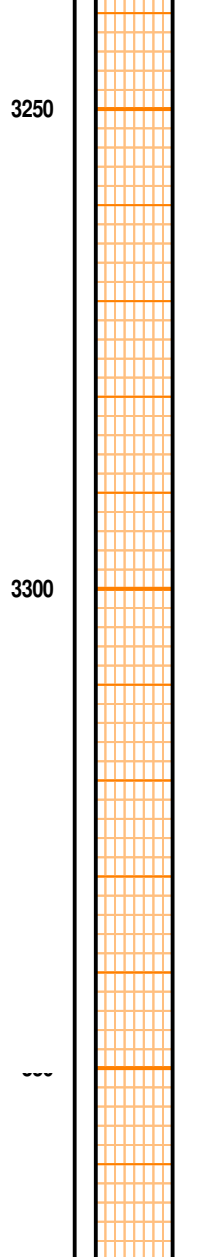
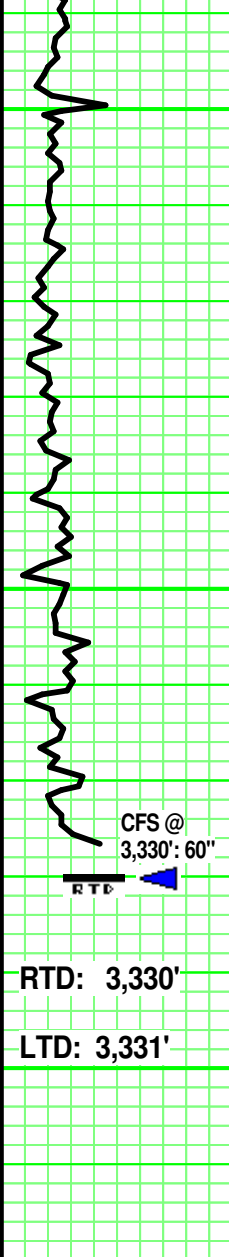
100 units = 1% Gas

TG, C1-C5

100

DST #2 ARBUCKLE

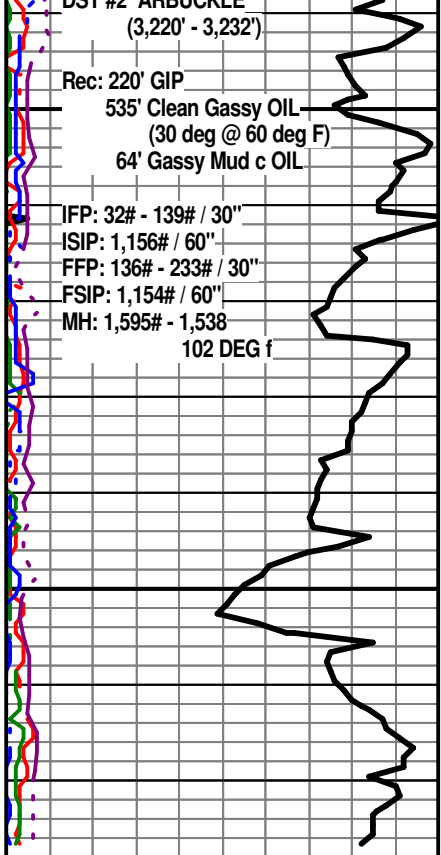




Dol- Tan, Suc to F/MxlIn, Pr To FrInter-xln Por, FO,  
 Clr to Lt Brn Stain, FrFluor/Cut/Odor  
  
 Dol- Lt Gry to Crm to Tan, Suc to Fxln, Ool, Some  
 Oom Por, Pr to Fr Inter-xln Por, Trc Spotted Dead  
 Oil, w/Cht- Wh  
  
 Dol- Lt Gry to Crm to Tan, Suc to Fxln, Pr/Fr  
 Inter-xln Por, Oom Por, NS, w/ Cht-Wh  
  
 Dol- Crm to Tan, F/MxlIn Por, Some Spotted Stain  
 and Dead Oil, No Free Oil  
  
 Dol- Crm to Tan, Suc to F/MxlIn Por, Dead Oil,  
 Spotted Stn, No Free Oil

**Statz #2**  
 1,445' FSL & 1,945' FEL 35-T16S-R9W  
 Ellsworth County, Kansas

**Trek AEC, LLC.**  
 Wichita, Kansas



DSI #2 ARBUCKLE  
 (3,220' - 3,232')  
 Rec: 220' GIP  
 535' Clean Gassy OIL  
 (30 deg @ 60 deg F)  
 64' Gassy Mud c OIL  
  
 IFP: 32# - 139# / 30"  
 ISIP: 1,156# / 60"  
 FFP: 136# - 233# / 30"  
 FSIP: 1,154# / 60"  
 MH: 1,595# - 1,538  
 102 DEG f  
  
 -xxxxxx RTD @ 3,330' xxxxxx-  
 ^--- CFS @ 3,330': 60".  
 ^--- E-Log (ELI Logging)

RTD: 3,330'

LTD: 3,331'