KOLAR Document ID: 1786607

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 # 35920
Name: NEC Operating - Kansas, LLC
Address 1: 538 SILICON DR
Address 2:
City: SOUTHLAKE State: TX Zip: 76092 + 7516
Contact Person: lonnnie lumpkins
Phone: (817) 600-4246
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: KEATON JONES
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 #:

2/26/2024	3/1/2024	4/9/2024
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-171-21317-00-00
Spot Description:
E2 - NE - NW - NE Sec. 2 Twp. 19 S. R. 31 ☐ East ☑ West
330 Feet from ☑ North / ☐ South Line of Section
1400 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: BUSHWHACKER Well #: 1
Field Name:
Producing Formation: mississippian and marmaton
Elevation: Ground: 2926 Kelly Bushing: 2937
Total Vertical Depth: 4700 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 352 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2328 Feet
If Alternate II completion, cement circulated from: 2328
feet depth to: 0 w/ 265 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 7000 ppm Fluid volume: 1000 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: 07/24/2024
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Kelsey Cox **Date:** 07/25/2024

Operator Name: NEC Operating - Kansas, LLC Lease Name: BUSHWHACKER Well #: 1

Sec. 2 Twp. 19 S. R. 31 ☐ 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	12.25	8.625	23	352	CLASS A	250	3% calcium chloride + 2% bentonite + 0.2
Production	7.875	5.5	15.5	4682	CLASS A	250	5% gypsum + 10% salt + 0.6% fluid loss

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

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: 05/16/2024

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: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
4381	4623

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)*
3	4381	4390			
3	4620	4623			
3	4597	4599			
3	4565	4568			

TUBING RECORD: Size: 2.375 Set At: 4665 Packer At:

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

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	BUSHWHACKER 1
Doc ID	1786607

All Electric Logs Run

density/neutron PE
borehole profile
triple combo
DIL
MIcro log

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	BUSHWHACKER 1
Doc ID	1786607

Tops

Name	Top	Datum
ANHY	2273	664
HEEBNER	3906	-969
LANSING	3954	-1017
STARK	4233	-1296
BKC	4315	-1378
MARM	4366	-1429
CHEROKEE	4477	-1540
MISS	4564	-1627

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	BUSHWHACKER 1
Doc ID	1786607

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	12.25	8.625	23	352	CLASS A	250	3% calcium chloride + 2% bentonite + 0.25 pps celloflake
Production	7.875	5.5	15.5	4682	CLASS A	250	5% gypsum + 10% salt + 0.6% fluid loss + 0.2% defoamer + 5 pps Kol-Seal + 0.25 pps celloflak

Bushwhacker
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**Bushwhacker**		
API:	**15-171-21317**		
Location:	**Sec 2, T19S, R31W - 330 FNL, 1400 FEL**		
License Number:		**Region:**	**Scott County**
Spud Date:	**2-26-2024**	**Drilling Completed:**	**3/2/2024**
Surface Coordinates:	**38.438146, -100.708968 (NAD27)**		
Bottom Hole Coordinates:	**Same As Surface**		
Ground Elevation (ft):	**2,926**	**K.B. Elevation (ft):**	**2,937**
Logged Interval (ft):	**3800 To: R.T.D**	**Total Depth (ft):**	**4700**
Formation:	**Miss**		
Type of Drilling Fluid:	**MudCo**		

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

OPERATOR

Company: NEC Operating Kansas
Address: 542 Silicon Dr Suite 100
South Lake TX 67092

GEOLOGIST

Name: Keaton Jones
Company: Rockhound Petroleum, LLC
Address: 255 NE 30th
St. John KS 67576

NEC Operating Kansas LLC

Bushwhacker

Casing Size:	5.5		Guide Shoe		1.1	Plugged Back Total Depth:	4670.22	KB	GL
RTD:	4700	LTD:	4700	Casing TD	4682	FT off LTD:	18	Elevation	2937	2926

JT. #	Length	Csg. Tally	Top of Jt.	JT. #	Length	Csg. Tally	Top of Jt.	JT.#	Length	Csg. Tally	Top of Jt.
SH JT	10.68	11.78	4670.22	49	39.25	2081.33	2600.67	99	44.80	4316.78	365.24
1	44.70	56.48	4625.52	50	44.80	2126.13	2555.87	100	44.02	4360.78	321.22
2	34.80	91.28	4590.72	51	44.75	2170.88	2511.12	101	44.75	4405.53	276.47
3	44.75	136.03	4545.97	52	44.85	2215.73	2466.27	102	42.50	4448.03	233.97
4	44.45	180.48	4501.52	53	44.78	2260.51	2421.49	103	44.75	4492.78	189.22
5	36.43	216.91	4465.09	54	44.78	2305.29	2376.71	104	44.45	4537.23	144.77
Marker	13.80	230.71	4451.29	55	47.95	2353.24	2328.76	105	44.87	4582.10	99.90
6	44.95	275.66	4406.34	56	44.72	2397.96	2284.04	106	44.76	4626.86	55.14
7	39.18	314.84	4367.16	57	44.63	2442.49	2239.51	107		4626.86	55.14
8	35.23	350.07	4331.93	58	44.75	2487.24	2194.76	108	44.75	4671.61	10.39
9	44.83	394.90	4287.10	59	44.73	2531.97	2150.03	Pup	20.45	4692.06	-10.06
10	44.82	439.72	4242.28	60	44.30	2576.27	2105.73	Pup		4692.06	-10.06
11	37.23	476.95	4205.05	61	44.32	2620.59	2061.41	Pup		4692.06	-10.06
12	45.00	521.95	4160.05	62	44.85	2665.44	2016.56				
13	44.78	566.73	4115.27	63	42.80	2708.24	1973.76				
14	44.90	611.63	4070.37	64	44.93	2753.17	1928.83	107	38.07	OUT	OUT
15	44.75	656.38	4025.62	65	45.00	2798.17	1883.83				
16	44.43	700.81	3981.19	66	45.02	2843.19	1838.81				
17	36.70	737.51	3944.49	67	44.33	2887.52	1794.48				
18	43.95	781.46	3900.54	68	44.90	2932.42	1749.58				
19	37.80	819.26	3862.74	69	44.92	2977.34	1704.66				
20	44.75	864.01	3817.99	70	44.77	3022.11	1659.89				
21	44.82	908.83	3773.17	71	44.80	3066.91	1615.09				
22	44.37	953.20	3728.80	72	44.15	3111.06	1570.94				
23	44.80	998.00	3684.00	73	44.76	3155.82	1526.18				
24	44.78	1042.78	3639.22	74	44.45	3200.27	1481.73				
25	44.75	1087.53	3594.47	75	44.76	3245.03	1436.97				
26	43.80	1131.33	3550.67	76	44.80	3289.83	1392.17				
27	43.15	1174.48	3507.52	77	42.88	3332.71	1349.29				
28	44.80	1219.28	3462.72	78	44.80	3377.51	1304.49				
29	44.45	1263.73	3418.27	79	44.96	3422.47	1259.53				
30	36.30	1300.03	3381.97	80	44.45	3466.92	1215.08				
31	32.95	1332.98	3349.02	81	44.70	3511.62	1170.38				
32	44.87	1377.85	3304.15	82	44.48	3556.10	1125.90				
33	44.33	1422.18	3259.82	83	44.75	3600.85	1081.15				
34	44.75	1466.93	3215.07	84	44.80	3645.65	1036.35				
35	34.12	1501.05	3180.95	85	44.78	3690.43	991.57				
36	44.55	1545.60	3136.40	86	44.75	3735.18	946.82				
37	44.74	1590.34	3091.66	87	44.82	3780.00	902.00				
38	33.63	1623.97	3058.03	88	44.87	3824.87	857.13				
39	35.93	1659.90	3022.10	89	44.72	3869.59	812.41				
40	44.74	1704.64	2977.36	90	44.83	3914.42	767.58				
41	43.87	1748.51	2933.49	91	44.45	3958.87	723.13				
42	44.82	1793.33	2888.67	92	44.5	4003.37	678.63				
43	44.75	1838.08	2843.92	93	44.72	4048.09	633.91				
44	34.12	1872.20	2809.80	94	44.77	4092.86	589.14				
45	44.78	1916.98	2765.02	95	44.72	4137.58	544.42				
46	37.00	1953.98	2728.02	96	44.68	4182.26	499.74				
47	44.78	1998.76	2683.24	97	44.84	4227.10	454.90				
48	43.32	2042.08	2639.92	98	44.86	4271.96	410.04				
Totals	2040.98		2639.92		2229.88	4270.86	410.04		458.17	4729.03	4682.00

	Casing - J55, 5.5 17# API SMT: 4900# 0.304 Wall FBD: 4.825	2	Pup Joints
		15	Turbo Centralizers
Centralizers	4670, 4501, 4461, 4367, 4287, 4205, 4155, 4025, 3944, 3421, 2284, 2194, 2105, 2016, 1928	1	Port Collar
Port Collar	2,326	Basket:	4590 & 2376	0	Packer Shoe
Latch Down Insert Baffle	Top of Shoe Joint	Packer Shoe:	Bottom of the Shoe Joint	2	Joints Out / Not Run
Equipment/Pipe Not Run:	JT 107 & Pup Joint (20.45')			2	Cement Basket

Wellsite Comparison

Lease:	Bushwhacker		--In Comparison To--	Lease:	Lust			Lease:	Stucky B-1	
Formation	K.B Depth:	2937 Datum	Strat Comp	Formation	K.B Depth:	2928 Datum	Strat Comp	Formation	K.B Depth:	2929 Datum
Anhy	2273	664	-46	Anhy	2218	710	-44	Anhy	2221	708
Topeka		2937	3634	Topeka	3625	-697	8	Topeka		2929
Heebner	3906	-969	8	Heebner	3905	-977	6	Heebner	3904	-975
Toronto	3924	-987	6	Toronto	3921	-993	6	Toronto	3922	-993
Lansing	3954	-1017	8	Lansing	3953	-1025	6	Lansing	3952	-1023
Stark	4233	-1296	11	Stark	4235	-1307	10	Stark	4235	-1306
BKC	4315	-1378	11	BKC	4317	-1389	7	BKC	4314	-1385
Marm	4366	-1429	15	Marm	4372	-1444	13	Marm	4371	-1442
Fort Scott	4468	-1531	11	Fort Scott	4470	-1542	3	Fort Scott	4463	-1534
Cherokee	4477	-1540	16	Cherokee	4484	-1556	9	Cherokee	4478	-1549
Miss	4564	-1627	19	Miss	4574	-1646	10	Miss	4566	-1637
RTD	4700	-1763		RTD	4640	-1712		RTD	4630	

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till

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

FOSSIL

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

STRINGER

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

TEXTURE

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

OTHER SYMBOLS

POROSITY

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW

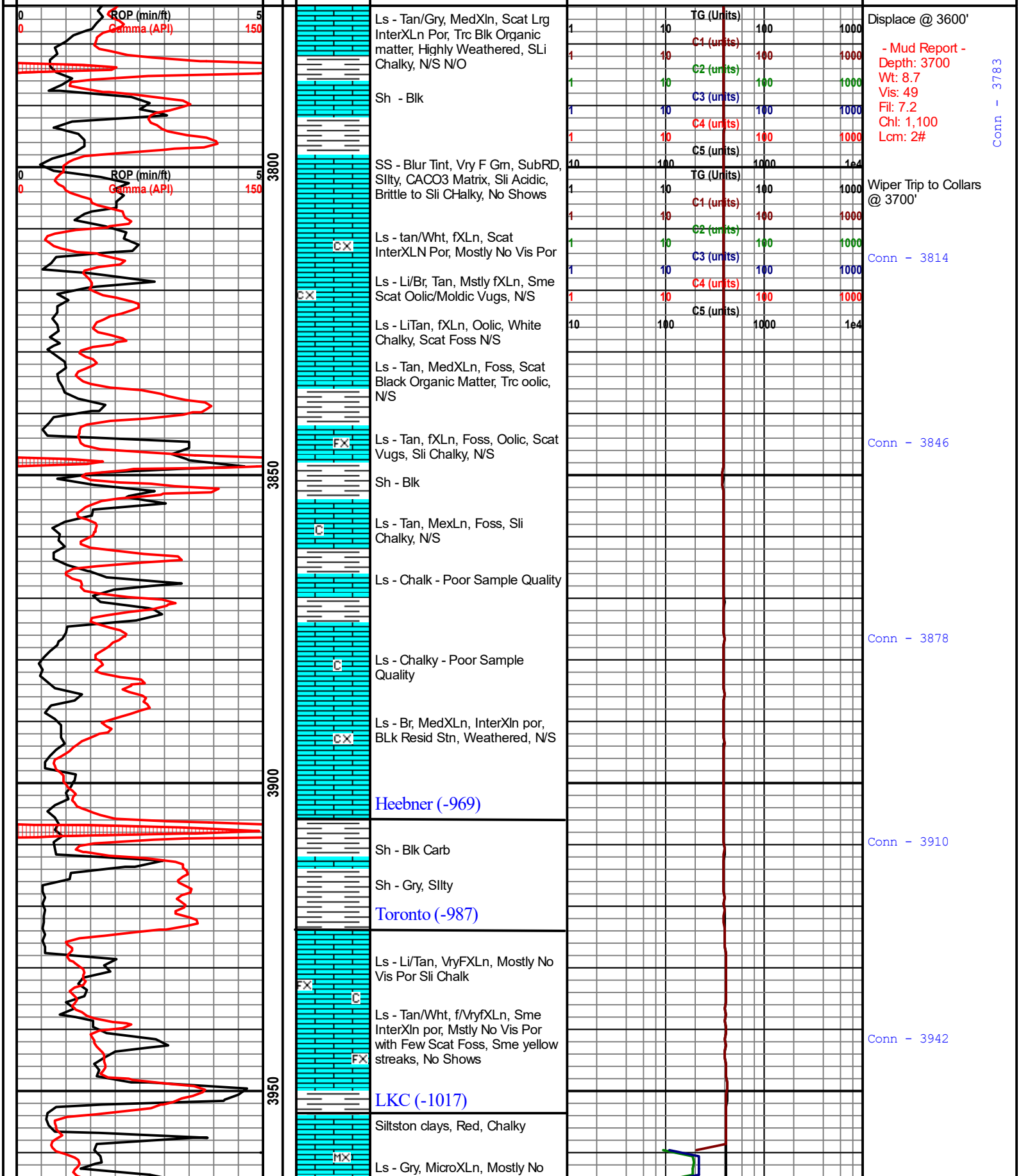
- Even
- Spotted
- Ques
- Dead

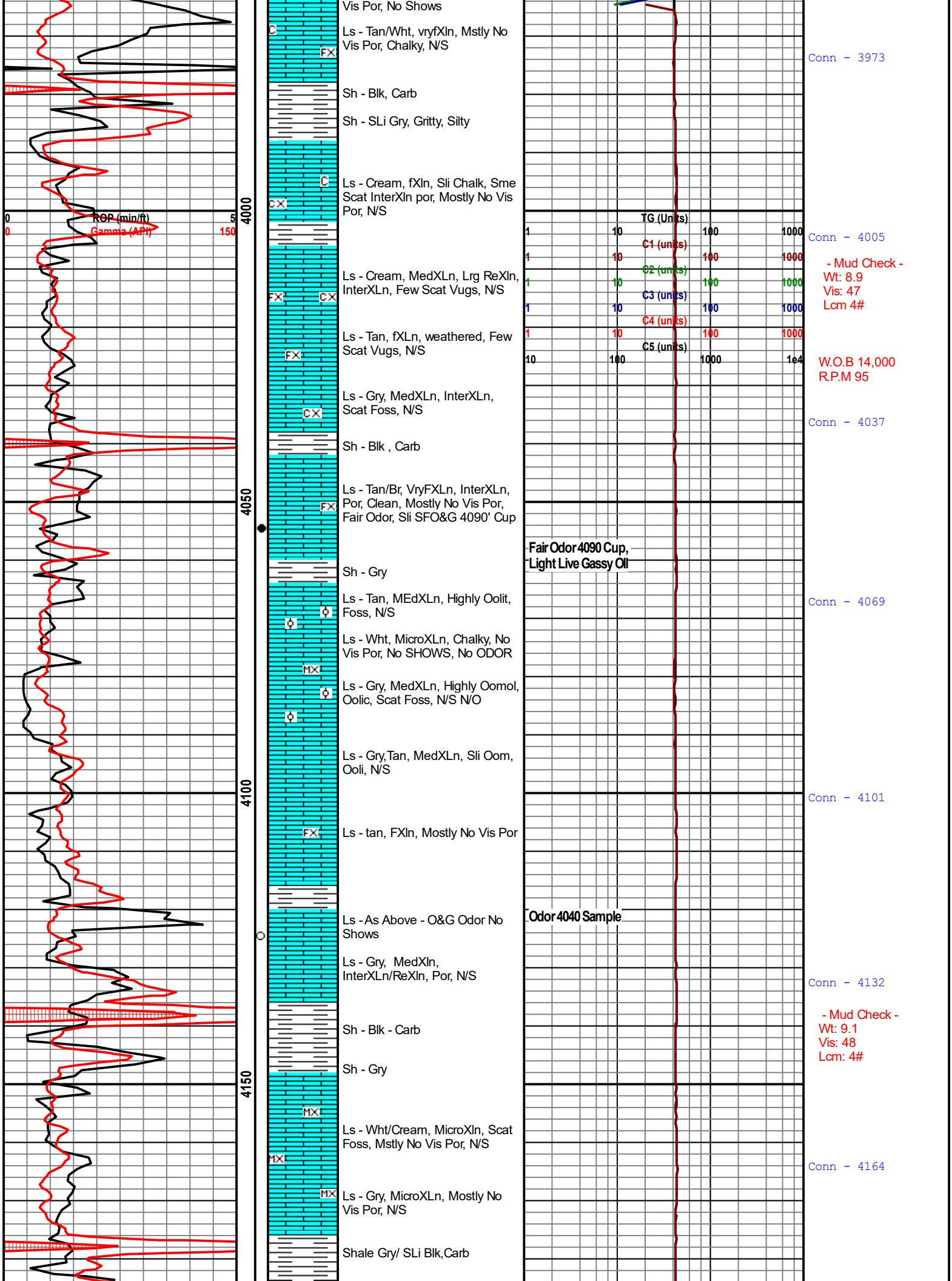
INTERVAL

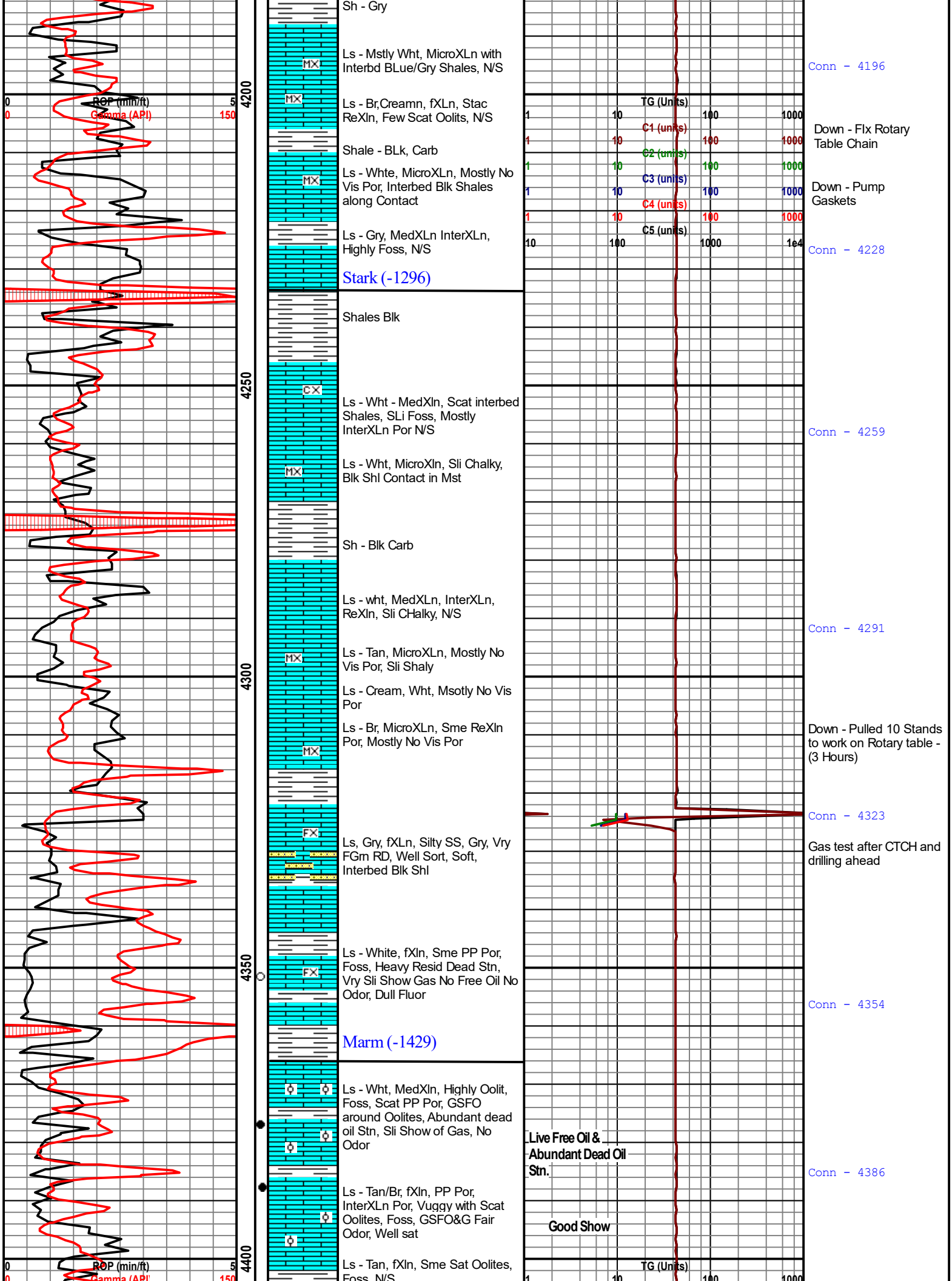
- Core
- Dst 2
- Dst 4
- Dst 3
- Dst

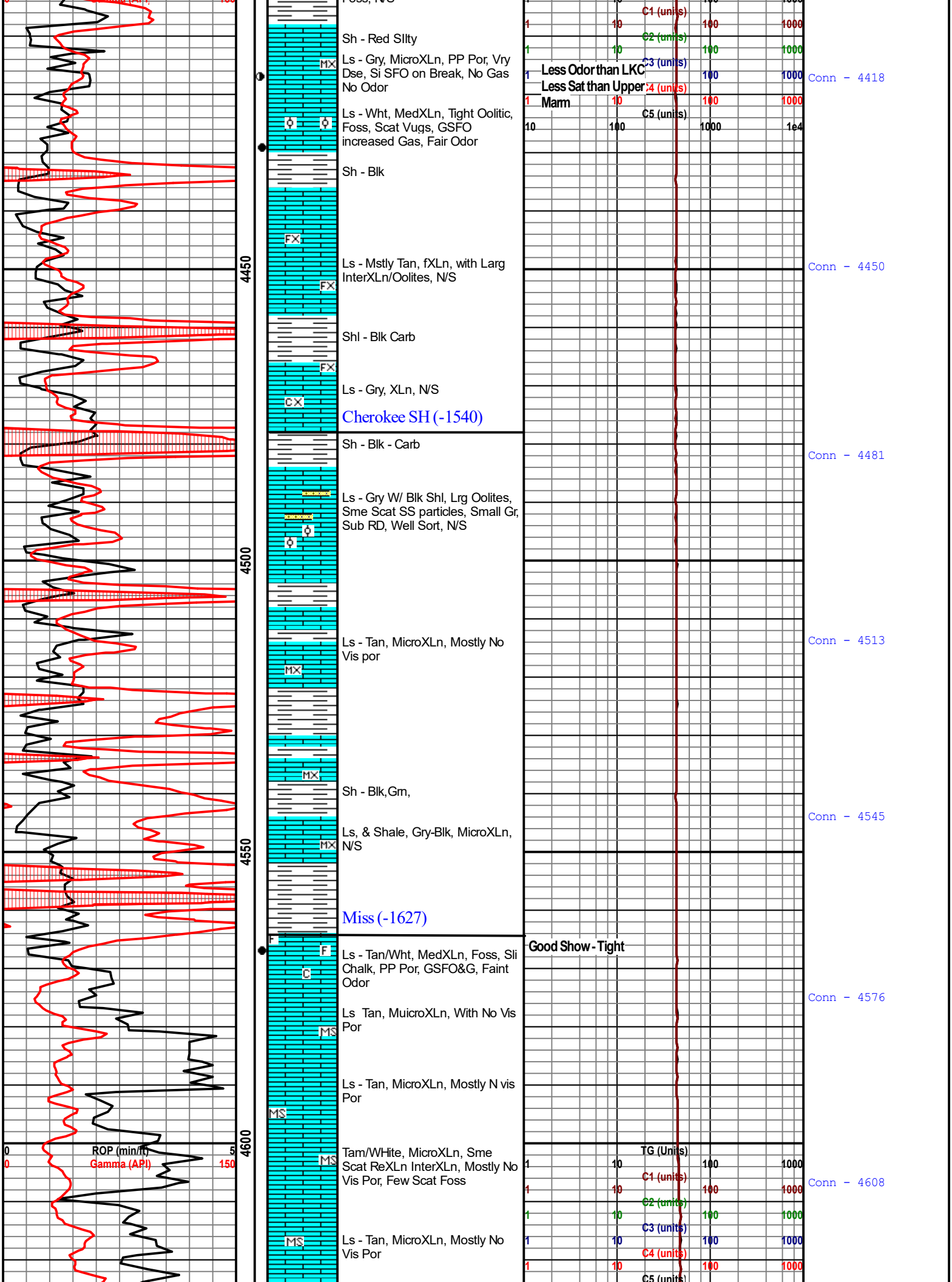
EVENT

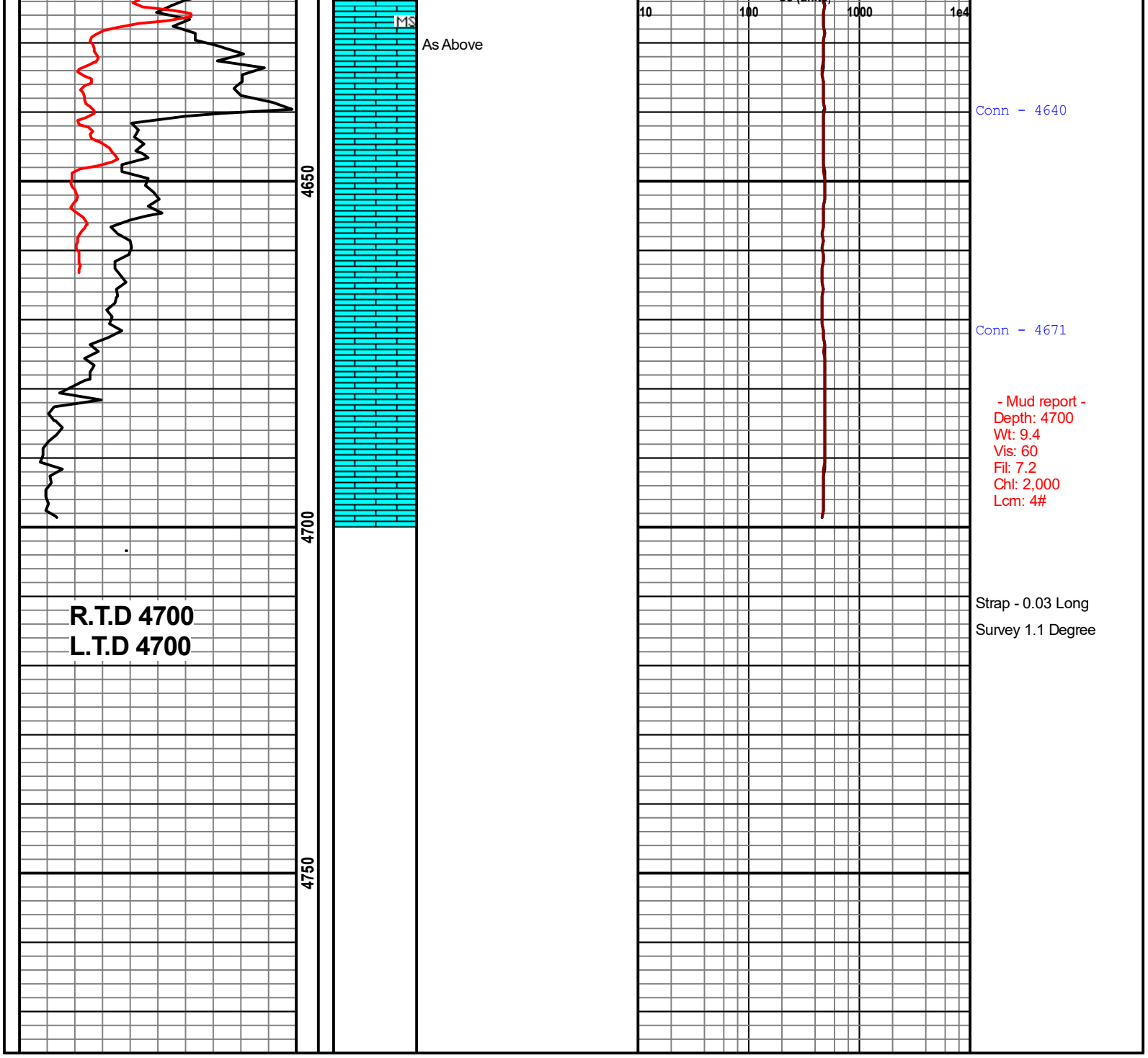
- Rft
- Sidewall


Curve Track 1
ROP (min/ft)
Gamma (API)
MD
Circulating stop
Lithology
Geological Descriptions
TG, C1-C5
TG (Units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
Comments
0
ROP (min/ft)
5
0
Gamma (API)
150
3800
3850
3900
3950
Ls - Tan/Gry, MedXln, Scat Lrg InterXLn Por, Trc Blk Organic matter, Highly Weathered, SLi Chalky, N/S N/O
Sh - Blk
SS - Blur Tint, Vry F Grn, SubRD, SIlty, CACO3 Matrix, Sli Acidic, Brittle to Sli CHalky, No Shows
Ls - tan/Wht, fXLn, Scat InterXLN Por, Mostly No Vis Por
Ls - Li/Br, Tan, Mstly fXLn, Sme Scat Oolic/Moldic Vugs, N/S
Ls - LiTan, fXLn, Oolic, White Chalky, Scat Foss N/S
Ls - Tan, MedXLn, Foss, Scat Black Organic Matter, Trc oolic, N/S
Ls - Tan, fXLn, Foss, Oolic, Scat Vugs, Sli Chalky, N/S
Sh - Blk
Ls - Tan, MexLn, Foss, Sli Chalky, N/S
Ls - Chalk - Poor Sample Quality
Ls - Chalky - Poor Sample Quality
Ls - Br, MedXLn, InterXln por, BLk Resid Stn, Weathered, N/S
Heebner (-969)
Sh - Blk Carb
Sh - Gry, SIlty
Toronto (-987)
Ls - Li/Tan, VryFXLn, Mostly No Vis Por Sli Chalk
Ls - Tan/Wht, f/VryfXLn, Sme InterXln por, Mstly No Vis Por with Few Scat Foss, Sme yellow streaks, No Shows
LKC (-1017)
Siltston clays, Red, Chalky
Ls - Gry, MicroXLn, Mostly No
1
10
100
1000
1e4
Displace @ 3600'
- Mud Report -
Depth: 3700
Wt: 8.7
Vis: 49
Fil: 7.2
Chl: 1,100
Lcm: 2#
Conn - 3783
Wiper Trip to Collars @ 3700'
Conn - 3814
Conn - 3846
Conn - 3878
Conn - 3910
Conn - 3942


ROP (min/ft)
0
5
Gamma (API)
0
150
4000
4050
4100
4150
Vis Por, No Shows
Ls - Tan/Wht, vryfXln, Mstly No Vis Por, Chalky, N/S
Sh - Blk, Carb
Sh - SLi Gry, Gritty, Silty
Ls - Cream, fXln, Sli Chalk, Sme Scat InterXln por, Mostly No Vis Por, N/S
Ls - Cream, MedXLn, Lrg ReXln, InterXLn, Few Scat Vugs, N/S
Ls - Tan, fXLn, weathered, Few Scat Vugs, N/S
Ls - Gry, MedXLn, InterXLn, Scat Foss, N/S
Sh - Blk , Carb
Ls - Tan/Br, VryFXLn, InterXLn, Por, Clean, Mostly No Vis Por, Fair Odor, Sli SFO&G 4090' Cup
Sh - Gry
Ls - Tan, MEdXLn, Highly Oolit, Foss, N/S
Ls - Wht, MicroXLn, Chalky, No Vis Por, No SHOWS, No ODOR
Ls - Gry, MedXLn, Highly Oomol, Oolic, Scat Foss, N/S N/O
Ls - Gry,Tan, MedXLn, Sli Oom, Ooli, N/S
Ls - tan, FXln, Mostly No Vis Por
Ls - As Above - O&G Odor No Shows
Ls - Gry, MedXln, InterXLn/ReXln, Por, N/S
Sh - Blk - Carb
Sh - Gry
Ls - Wht/Cream, MicroXln, Scat Foss, Mstly No Vis Por, N/S
Ls - Gry, MicroXLn, Mostly No Vis Por, N/S
Shale Gry/ SLi Blk,Carb
TG (Units)
1
10
100
1000
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
10
100
1000
1e4
Fair Odor 4090 Cup, Light Live Gassy Oil
Odor 4040 Sample
Conn - 3973
Conn - 4005
- Mud Check -
Wt: 8.9
Vis: 47
Lcm 4#
W.O.B 14,000
R.P.M 95
Conn - 4037
Conn - 4069
Conn - 4101
Conn - 4132
- Mud Check -
Wt: 9.1
Vis: 48
Lcm: 4#
Conn - 4164


ROP (min/ft)
0
5
Gamma (API)
0
150
4200
4250
4300
4350
4400
Sh - Gry
Ls - Mstly Wht, MicroXLn with Interbd BLue/Gry Shales, N/S
Ls - Br,Creamn, fXLn, Stac ReXln, Few Scat Oolits, N/S
Shale - BLk, Carb
Ls - Whte, MicroXLn, Mostly No Vis Por, Interbed Blk Shales along Contact
Ls - Gry, MedXLn InterXLn, Highly Foss, N/S
Stark (-1296)
Shales Blk
Ls - Wht - MedXln, Scat interbed Shales, SLi Foss, Mostly InterXLn Por N/S
Ls - Wht, MicroXln, Sli Chalky, Blk Shl Contact in Mst
Sh - Blk Carb
Ls - wht, MedXLn, InterXLn, ReXln, Sli CHalky, N/S
Ls - Tan, MicroXLn, Mostly No Vis Por, Sli Shaly
Ls - Cream, Wht, Msotly No Vis Por
Ls - Br, MicroXLn, Sme ReXln Por, Mostly No Vis Por
Ls, Gry, fXLn, Silty SS, Gry, Vry FGrn RD, Well Sort, Soft, Interbed Blk Shl
Ls - White, fXln, Sme PP Por, Foss, Heavy Resid Dead Stn, Vry Sli Show Gas No Free Oil No Odor, Dull Fluor
Marm (-1429)
Ls - Wht, MedXln, Highly Oolit, Foss, Scat PP Por, GSFO around Oolites, Abundant dead oil Stn, Sli Show of Gas, No Odor
Ls - Tan/Br, fXln, PP Por, InterXLn Por, Vuggy with Scat Oolites, Foss, GSFO&G Fair Odor, Well sat
Ls - Tan, fXln, Sme Sat Oolites, Foss, N/S
TG (Units)
1
10
100
1000
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
10
100
1000
1e4
Conn - 4196
Down - Flx Rotary Table Chain
Down - Pump Gaskets
Conn - 4228
Conn - 4259
Conn - 4291
Down - Pulled 10 Stands to work on Rotary table - (3 Hours)
Conn - 4323
Gas test after CTCH and drilling ahead
Conn - 4354
Live Free Oil & Abundant Dead Oil Stn.
Conn - 4386
Good Show


Sh - Red Silty
Ls - Gry, MicroXLn, PP Por, Vry Dse, Si SFO on Break, No Gas No Odor
Ls - Wht, MedXLn, Tight Oolitic, Foss, Scat Vugs, GSFO increased Gas, Fair Odor
Sh - Blk
Ls - Mstly Tan, fXLn, with Larg InterXLn/Oolites, N/S
Shl - Blk Carb
Ls - Gry, XLn, N/S
Cherokee SH (-1540)
Sh - Blk - Carb
Ls - Gry W/ Blk Shl, Lrg Oolites, Sme Scat SS particles, Small Gr, Sub RD, Well Sort, N/S
Ls - Tan, MicroXLn, Mostly No Vis por
Sh - Blk,Gm,
Ls, & Shale, Gry-Blk, MicroXLn, N/S
Miss (-1627)
Ls - Tan/Wht, MedXLn, Foss, Sli Chalk, PP Por, GSFO&G, Faint Odor
Ls Tan, MuicroXLn, With No Vis Por
Ls - Tan, MicroXLn, Mostly N vis Por
Tam/WHite, MicroXLn, Sme Scat ReXLn InterXLn, Mostly No Vis Por, Few Scat Foss
Ls - Tan, MicroXLn, Mostly No Vis Por
Less Odor than LKC
Less Sat than Upper
Marm
Good Show - Tight
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
TG (Units)
ROP (min/ft)
Gamma (API)
4450
4500
4550
4600
Conn - 4418
Conn - 4450
Conn - 4481
Conn - 4513
Conn - 4545
Conn - 4576
Conn - 4608


10
100
1000
1e4
MS
As Above
4650
4700
4750
R.T.D 4700
L.T.D 4700
Conn - 4640
Conn - 4671
- Mud report -
Depth: 4700
Wt: 9.4
Vis: 60
Fil: 7.2
Chl: 2,000
Lcm: 4#
Strap - 0.03 Long
Survey 1.1 Degree

CEMENT TREATMENT REPORT

Customer:	NEC OPERATING	Well:	BUSHWHACKER 1	Ticket:	WP 5186
City, State:	SCOTTCITY,KS	County:	SCOTT,KS	Date:	3/2/2024
Field Rep:	KEATON.S	S-T-R:	SEC.2-19S-31W	Service:	LONGSTRING

Downhole Information	
Hole Size:	5 1/2 in
Hole Depth:	4700 ft
Casing Size:	7 7/8 in
Casing Depth:	4670 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	YES
Tool Depth:	2328 ft
Displacement:	107.0 bbls

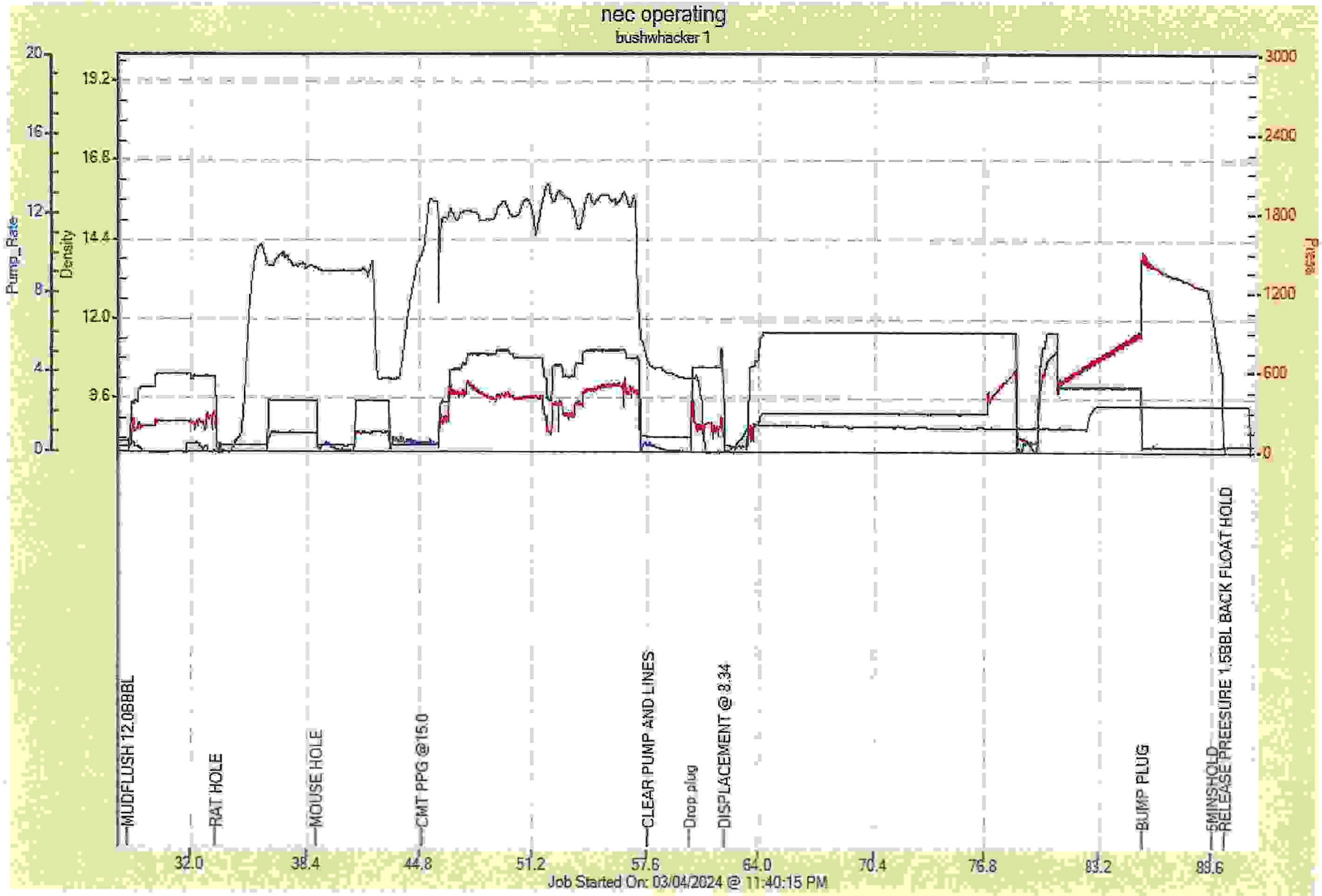
Calculated Slurry - Lead	
Blend:	H-LONG
Weight:	15.0 ppg
Water / Sx:	6.2 gal / sx
Yield:	1.36 ft^3 / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	4700 ft
Annular Volume:	145.2 bbls
Excess:	
Total Slurry:	48.0 bbls
Total Sacks:	200 sx

Calculated Slurry - Tail	
Blend:	H-PLUG-A
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	12.6 bbls
Total Sacks:	50 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
4:30 PM			-	-	ARRIVE ON LOCATION
4:45 PM				-	RIG UP SAFETY MEETING
6:30 PM				-	CASING EQUIMENT ON RIG
9:30 PM				-	CASING DONE
11:05 PM	2.0	20.0	7.5	7.5	RH40FT 30SKS
11:16 PM	2.0	10.0	5.2	12.7	MH 20SKS
11:19 PM	5.0	300.0	48.0	60.7	PUMP H-LONG 200SKS@15.0PPG
11:35 PM				60.7	WASH UP LINE
11:40 PM				60.7	DROP PLUG
11:41 PM	6.0	280.0	107.0	167.7	PUMP DISPLACEMENT
12:01 AM	3.0	1,380.0		167.7	BUMP PLUG 1380PSI FINAL PRESSURE 880
12:06 AM					5 MINS HOLD CHECK FLOAT 1.3BBL BACK
12:15 AM					RIG DOWN
12:45 AM					DEPART LOCATION

	CREW	UNIT
Cementer:	ROGER GASTON	946
Pump Operator:	MICHEAL B	230
Bulk #1:	CRAIG HARMS	180-250
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.6 bpm	398 psi	168 bbls


nec operating
bushwhacker 1
Pump_Rate
Density
Press
20
16
12
8
4
0
19.2
16.8
14.4
12.0
9.6
3000
2400
1800
1200
600
0
MUDFLUSH 12.0BBL
RAT HOLE
MOUSE HOLE
CMT PPG @15.0
CLEAR PUMP AND LINES
Drop plug
DISPLACEMENT @ 8.34
BUMP PLUG
5MINSHOLD
RELEASE PREESURE 1.5BBL BACK FLOAT HOLD
32.0
38.4
44.8
51.2
57.6
64.0
70.4
76.8
83.2
89.6
Job Started On: 03/04/2024 @ 11:40:15 PM

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

Customer	NEC OPERATING-KANSAS	Lease & Well #	BUSHWHACKER 1	Date	2/26/2024
Service District	PRATT	County & State	SCOTT KS	Legals S/T/R	2-19S-31W	Job #	
Job Type	SURFACE	☑ PROD ☐ INJ ☐ SWD	New Well?	☑ YES ☐ No	Ticket #	WP5166

Equipment #	Driver
912	MATTAL
540/522	M MCGRAW
205	TRVINO

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

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

Comments

Product/Service Code	Description	Unit of Measure	Quantity			Net Amount
CP015	H-325	sack	250.00			$5,625.00
M015	Light Equipment Mileage	mi	60.00			$120.00
M010	Heavy Equipment Mileage	mi	120.00			$480.00
M020	Ton Mileage	tm	705.00			$1,057.50
C060	Cement Blending & Mixing Service	sack	350.00			$350.00
C010	Depth Charge: 0'-500'	job	1.00			$1,000.00
C035	Cement Data Acquisition	job	1.00			$250.00
F001	Service Supervisor	day	1.00			$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Net:	$9,157.50
	Total Taxable	$ -	Tax Rate:		
Based on this job, how likely is it you would recommend HSI to a colleague?	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:	$ 9,157.50
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely	HSI Representative: Mike Mattal				

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 ½% 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**

EMENT TREATMENT REPORT

Customer:	NEC OPERATING-KANSAS	Well:	BUSHWHACKER 1	Ticket:	WP5166
City, State:	SCOTT CITY KS	County:	SCOTT KS	Date:	2/26/2024
Field Rep:		S-T-R:	2-19S-31W	Service:	SURFACE

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	8 5/8 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	21.0 bbls

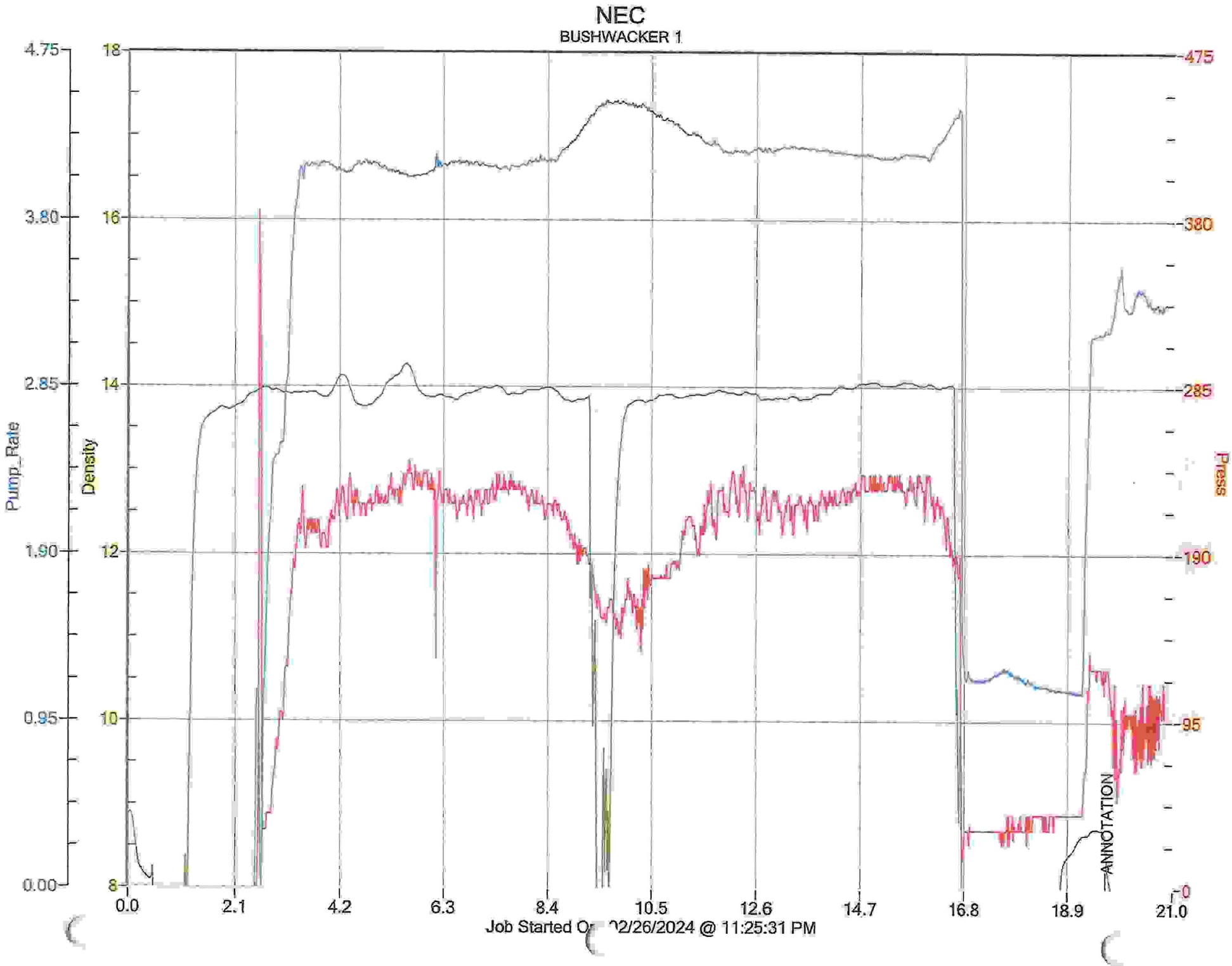
Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.4 gal / sx
Yield:	1.39 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	61.4 bbls
Total Sacks:	250 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	#DIV/0! sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
7:15 PM			-	-	ON LOCATION
9:30 PM				-	RUN 8 5/8 23# CASING
10:15 PM				-	CASING ON BOTTOM
10:25 PM				-	HOOK TO CASING, BREAK CIRCULATION WITH RIG
10:33 PM	4.0	220.0	61.4	61.4	MIX 250 SACKS H-325
10:48 PM	3.8	180.0		61.4	START DISPLACEMENT
10:58 PM		70.0	21.0	82.4	PLUG DOWN, SHUT IN WELL
					CEMENT TO SURFACE
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	MIKE & JOS
				-	

CREW		UNIT
Cementer:	MATTAL	912
Pump Operator:	M MCGRAW	540/522
Bulk #1:	TRVINO	205
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.9 bpm	157 psi	82 bbls


NEC
BUSHWACKER 1
Pump_Rate
Density
Press
4.75
3.80
2.85
1.90
0.95
0.00
18
16
14
12
10
8
475
380
285
190
95
0
0.0
2.1
4.2
6.3
8.4
10.5
12.6
14.7
16.8
18.9
21.0
ANNOTATION
Job Started On 02/26/2024 @ 11:25:31 PM

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

July 25, 2024

lonnnie lumpkins
NEC Operating - Kansas, LLC
538 SILICON DR
SOUTHLAKE, TX 76092-7516

Re: ACO-1
API 15-171-21317-00-00
BUSHWHACKER 1
NE/4 Sec.02-19S-31W
Scott County, Kansas

Dear lonnnie lumpkins:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 2/26/2024 and the ACO-1 was received on July 24, 2024 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department