

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</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	NEC Operating - Kansas, LLC
Well Name	WRANGLER 7
Doc ID	1741010

All Electric Logs Run

PE
Micro
Dual Induction
triple combo
borehole volume

Wrangler #7
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Wrangler #7
API: 15-195-23163-0000
Location: 400' FNL & 950' FEL of Sec 32-11s-22w
License Number: Region: Trego County
Spud Date: 8/07/2023 Drilling Completed: 8/10/2023
Surface Coordinates: 39.058169, -99.781564 (NAD27)

Bottom Hole same As Surface
Coordinates:
Ground Elevation (ft): 2383 K.B. Elevation (ft): 2390
Logged Interval (ft): 3500 To: 4210 Total Depth (ft): 4210
Formation: Arbuckle
Type of Drilling Fluid: Chemical (Andys Mud)

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

Well Tops Comparison

Lease: KB		Wrangler 7 2390		Lease: KB		Wrangler 6 2412		Lease: KB		Flagler 1 2351		Lease: KB		
Formation	Top	Datum	Strat Comp	Formation	Top	Datum	Strat Comp	Formation	Top	Datum	Strat Comp	Formation	Top	Datum
Anhy	1832	558	-8	Anhy	1846	566		Anhy				Anhy		0
topeka		2390	3409	topeka	3431	-1019		topeka				topeka		0
Heebner	3614	-1224	14	Heebner	3650	-1238	3	Heebner	3578	-1227		Heebner		0
Toronto	3636	-1246	12	Toronto	3670	-1258	2	Toronto	3599	-1248		Toronto		0
Lansing "A"	3652	-1262	12	Lansing "A"	3686	-1274	2	Lansing "A"	3615	-1264		Lansing "A"		0
Lansing "C"	3690	-1300	16	Lansing "C"	3728	-1316	4	Lansing "C"	3655	-1304		Lansing "C"		0
lansing "D"	3716	-1326	5	lansing "D"	3743	-1331		lansing "D"				lansing "D"		0
Lansing "F"	3726	-1336	13	Lansing "F"	3761	-1349	16	Lansing "F"	3703	-1352		Lansing "F"		0
lansing "G"	3735	-1345	15	lansing "G"	3772	-1360	20	lansing "G"	3716	-1365		lansing "G"		0
Lansing "H"	3790	-1400	13	Lansing "H"	3825	-1413	5	Lansing "H"	3756	-1405		Lansing "H"		0
Lansing "I"	3811	-1421	12	Lansing "I"	3845	-1433	6	Lansing "I"	3778	-1427		Lansing "I"		0
Lansing "J"	3831	-1441	11	Lansing "J"	3864	-1452	4	Lansing "J"	3796	-1445		Lansing "J"		0
Stark	3846	-1456	10	Stark	3878	-1466		Stark				Stark		0
Lansing "K"	3853	-1463	11	Lansing "K"	3886	-1474	3	Lansing "K"	3817	-1466		Lansing "K"		0
Hushpuckney	3870	-1480	9	Hushpuckney	3901	-1489		Hushpuckney				Hushpuckney		0
lansing "L"	3876	-1486	8	lansing "L"	3906	-1494	2	lansing "L"	3839	-1488		lansing "L"		0
BKC	3899	-1509	-4	BKC	3917	-1505	-4	BKC	3856	-1505		BKC		0
Marm/Pawn	3976	-1586	12	Marm/Pawn	4010	-1598	3	Marm/Pawn	3940	-1589		Marm/Pawn		0
Cherokee SD	4056	-1666		Cherokee SD				Cherokee SD				Cherokee SD		0
Arbuckle	4068	-1678	20	Arbuckle	4110	-1698		Arbuckle				Arbuckle		0
				0				0				0		

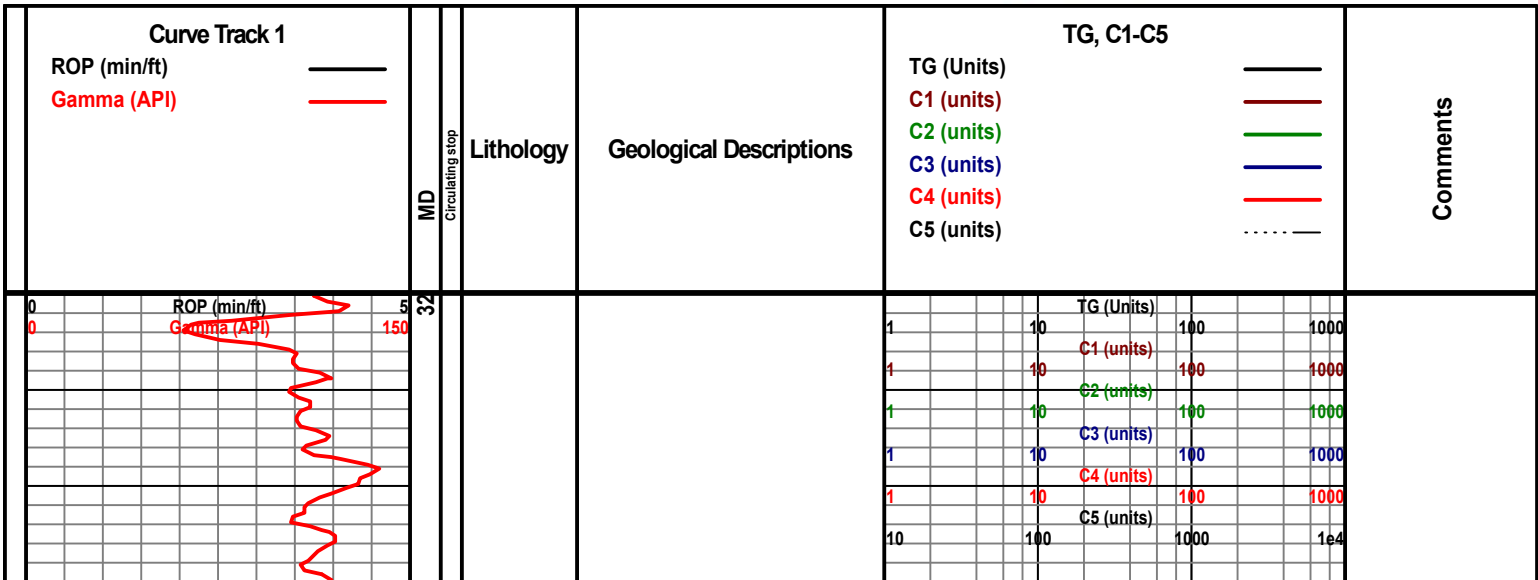
NEC Operating Kansas, LLC

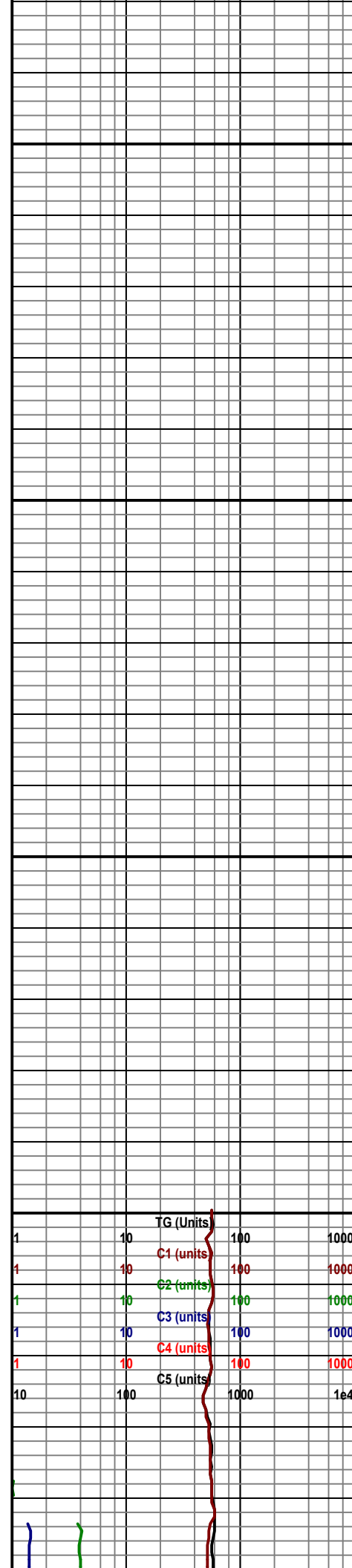
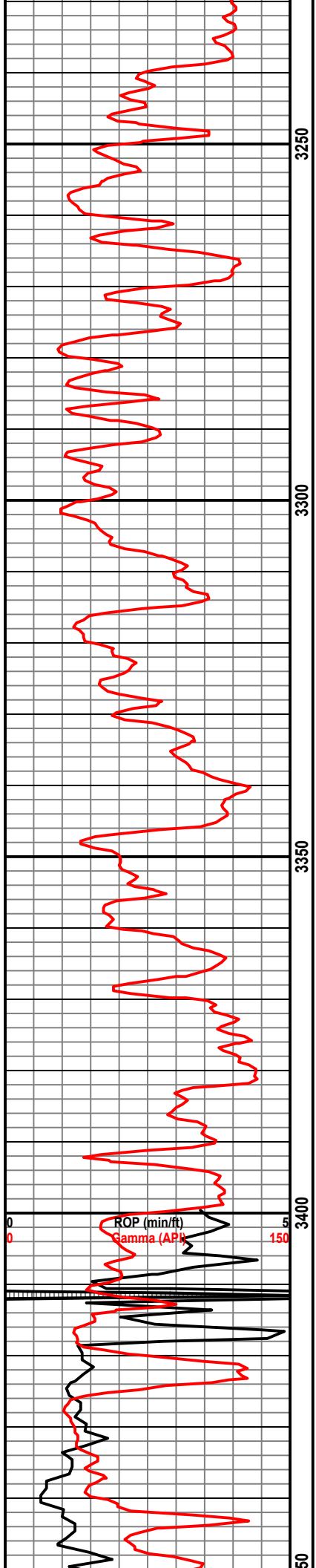
Wrangler #7

Casing Size:	5.5 15.5 #	Guide Shoe	1	Port Collar	2	
RTD:	4210	LTD:	4210	Casing TD	4197	FT off LTD:
					13	Elevation:
						7' KB

JT. #	Length	Csg. Tally	Top of Jt.	JT. #	Length	Csg. Tally	Top of Jt.	JT.#	Length	Csg. Tally	Top of Jt.
Shoe JT	16.30	17.30	4179.70	50	42.69	2144.80	2052.20	100	20.37		
1	42.66	59.96	4137.04	51	42.66	2187.46	2009.54				
2	42.60	102.56	4094.44	52	44.60	2232.06	1964.94				
3	38.50	141.06	4055.94	53	38.10	2270.16	1926.84				
4	42.65	183.71	4013.29	54	42.73	2312.89	1884.11				
5	42.63	226.34	3970.66	55	42.59	2355.48	1841.52				
6	42.61	268.95	3928.05	56	42.63	2398.11	1798.89				
7	42.69	311.64	3885.36	57	42.71	2440.82	1756.18				
8	42.64	354.28	3842.72	58	42.76	2483.58	1713.42				
9	42.67	396.95	3800.05	59	42.65	2526.23	1670.77				
10	42.71	439.66	3757.34	60	42.70	2568.93	1628.07				
11	42.86	482.52	3714.48	61	42.75	2611.68	1585.32				
12	42.63	525.15	3671.85	62	42.63	2654.31	1542.69				
13	42.64	567.79	3629.21	63	42.64	2696.95	1500.05				
14	42.65	610.44	3586.56	64	42.68	2739.63	1457.37				
15	42.61	653.05	3543.95	65	42.65	2782.28	1414.72				
16	42.64	695.69	3501.31	66	42.61	2824.89	1372.11				
17	42.65	738.34	3458.66	67	42.60	2867.49	1329.51				
18	42.63	780.97	3416.03	68	42.65	2910.14	1286.86				
19	42.64	823.61	3373.39	69	42.61	2952.75	1244.25				
20	42.65	866.26	3330.74	70	42.71	2995.46	1201.54				
21	42.62	908.88	3288.12	71	42.69	3038.15	1158.85				
22	42.65	951.53	3245.47	72	42.65	3080.80	1116.20				
23	42.62	994.15	3202.85	73	42.68	3123.48	1073.52				
24	42.64	1036.79	3160.21	74	42.67	3166.15	1030.85				
25	42.65	1079.44	3117.56	75	42.63	3208.78	988.22				
26	42.61	1122.05	3074.95	76	42.62	3251.40	945.60				
27	42.62	1164.67	3032.33	77	42.58	3293.98	903.02				
28	42.63	1207.30	2989.70	78	42.68	3336.66	860.34				
29	42.61	1249.91	2947.09	79	42.64	3379.30	817.70				
30	42.61	1292.52	2904.48	80	42.61	3421.91	775.09				
31	42.62	1335.14	2861.86	81	42.70	3464.61	732.39				
32	42.64	1377.78	2819.22	82	42.66	3507.27	689.73				
33	42.65	1420.43	2776.57	83	42.60	3549.87	647.13				
34	42.76	1463.19	2733.81	84	42.65	3592.52	604.48				
35	42.63	1505.82	2691.18	85	42.67	3635.19	561.81				
36	42.94	1548.76	2648.24	86	42.69	3677.88	519.12				
37	42.15	1590.91	2606.09	87	42.60	3720.48	476.52				
38	42.72	1633.63	2563.37	88	42.61	3763.09	433.91				
39	42.60	1676.23	2520.77	89	42.68	3805.77	391.23				
40	42.64	1718.87	2478.13	90	42.69	3848.46	348.54				
41	42.65	1761.52	2435.48	91	42.61	3891.07	305.93				
42	42.66	1804.18	2392.82	92	42.72	3933.79	263.21				
43	42.63	1846.81	2350.19	93	42.62	3976.41	220.59				
44	42.67	1889.48	2307.52	94	42.7	4019.11	177.89				
45	42.12	1931.60	2265.40	95	42.61	4061.72	135.28				
46	42.63	1974.23	2222.77	96	42.71	4104.43	92.57				
47	42.60	2016.83	2180.17	97	42.64	4147.07	49.93				
48	42.65	2059.48	2137.52	98	42.73	4189.80	7.20				
49	42.63	2102.11	2094.89	99	42.74	4232.54	-35.54				
Totals	2101.11		2094.89		2130.43	4231.54	-35.54	Totals	20.37	4251.91	4197.00

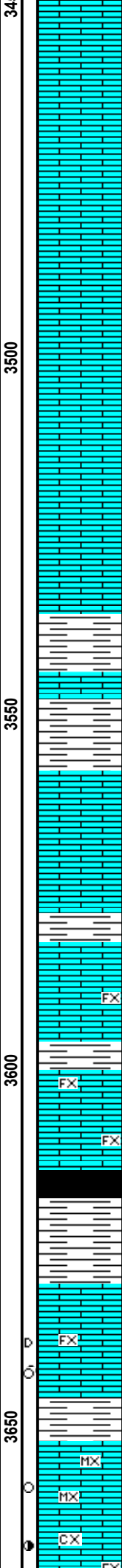
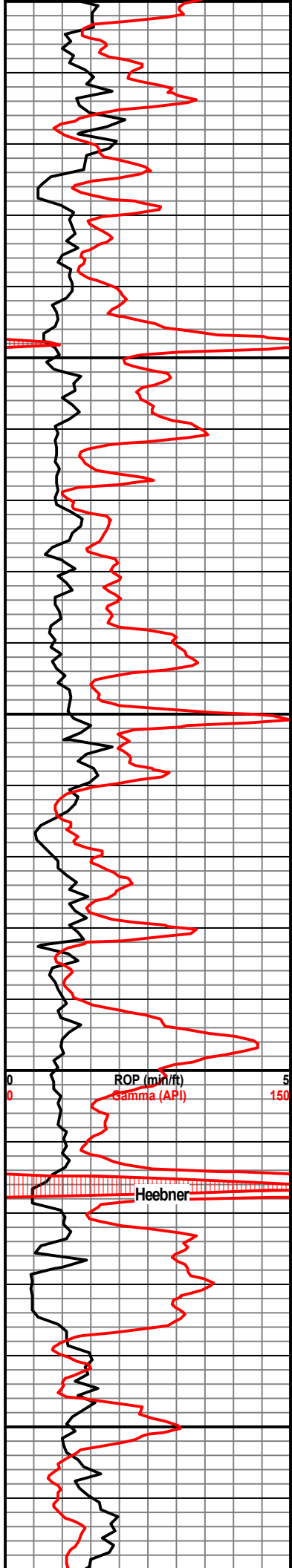
	None	Basket:	4055-4013 & 1926-1884	1	Pup Joints
Rotating Scratchers:				12	Turbo Centralizers
Centralizers:				1	Port Collar
Latch Down Insert Baffle		Port Collar	1962-1964	2	Packer Shoe
Equipment/Pipe Not Run:	JT 99 and PUP JT 20.37			2	Joints Out / Not Run
				2	Cement Basket





	TG (Units)		
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
1	10	100	1000
10	100	1000	1e4

- Mud Report -
 Depth: 3122
 Wt: 8.6
 Vis: 74
 Fil: 8
 Chl: 1,000
 Lcm: 3#



Ls, Br, fXln, InterXln por, PP Por, Foss, N/S

Ls - Wht, MicrXln, Chalky, N/S

Ls - Tan, MicroXln, No Vls por

Ls - Br, fXln, Foss, Sme InterXln Por

Ls - Br, fXln, Interbed sh, Foss, Sli Chalk

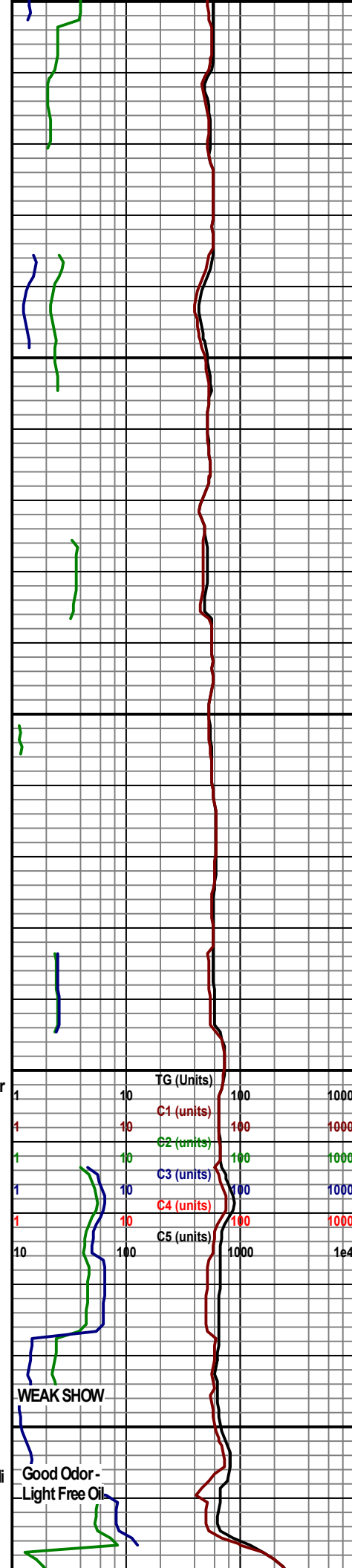
Sh - Blk - Carb

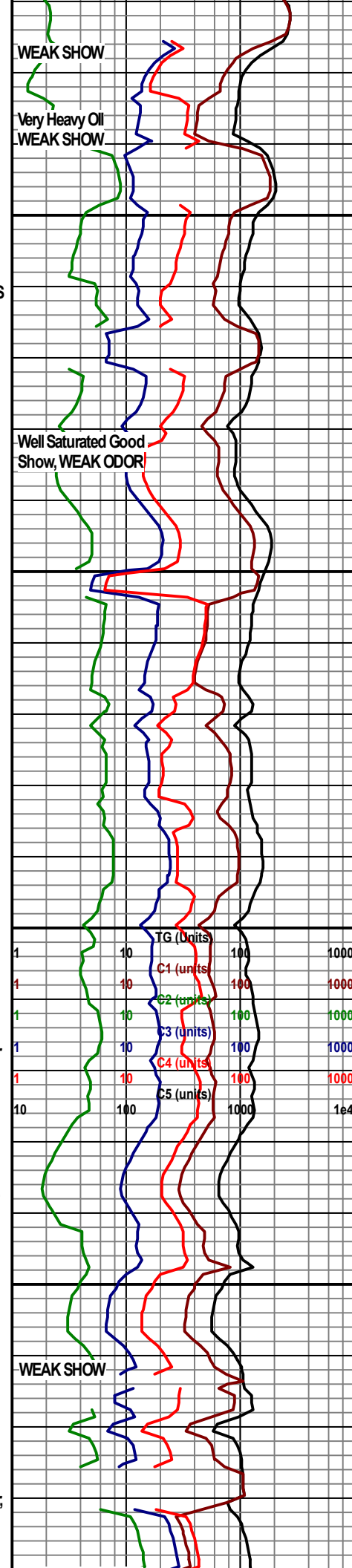
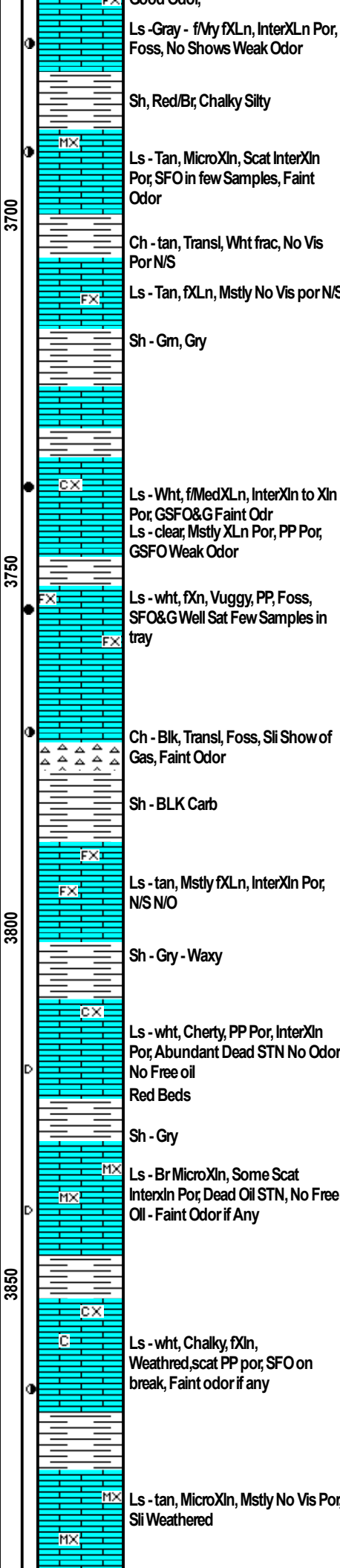
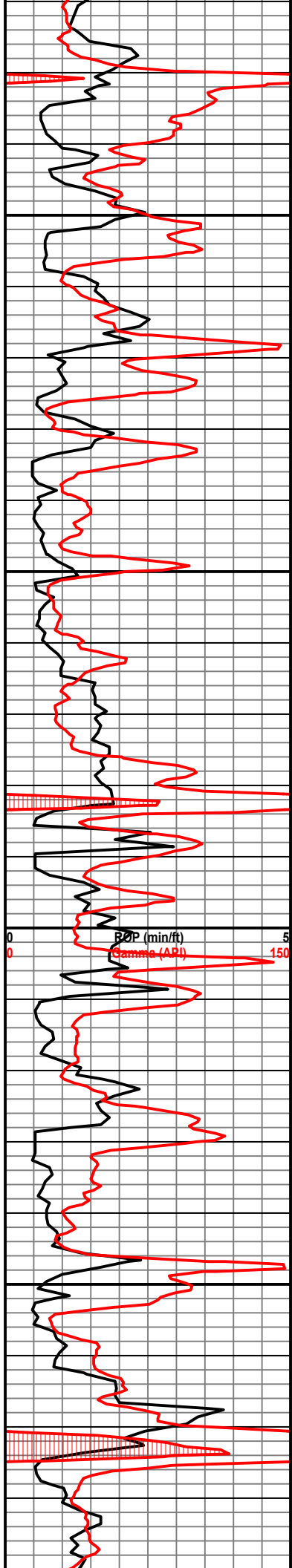
Ls - Tan, fXln, Scat Foss, Trc InterXln Por, Sme Dead Oil STN, No Odor No Shows.

Ls - fXln, InterXln Por; mstly No Vis Por, Sli Show Fresh Str, No Odor, No Free Oil

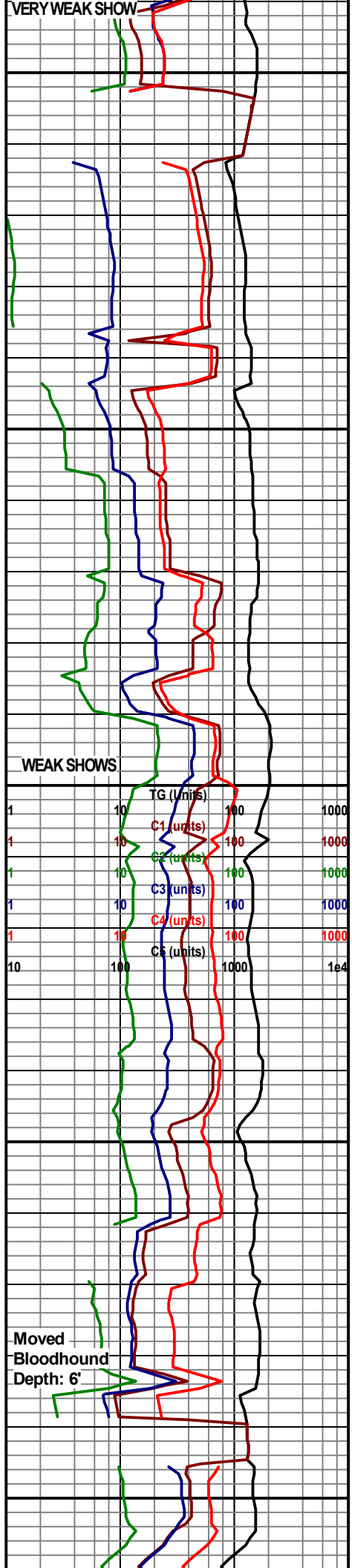
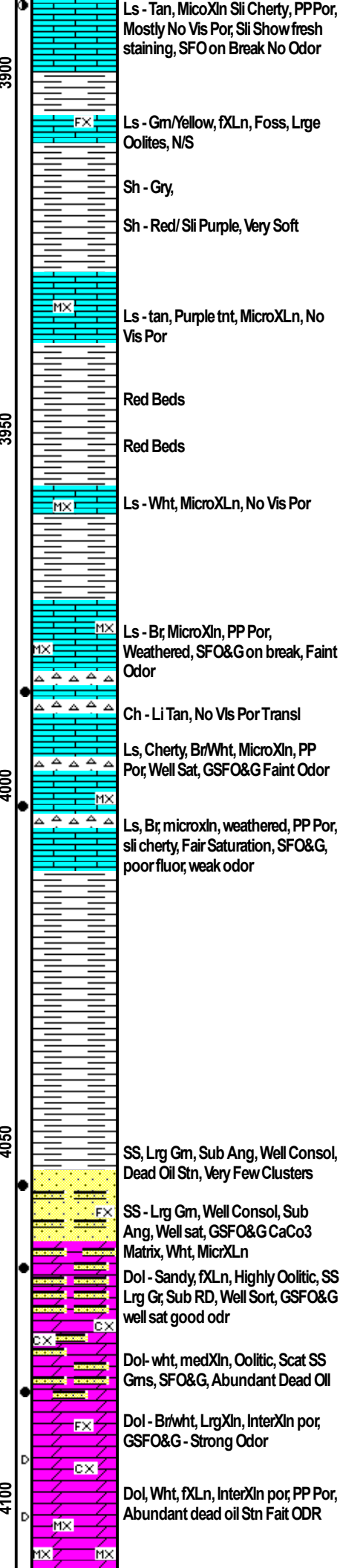
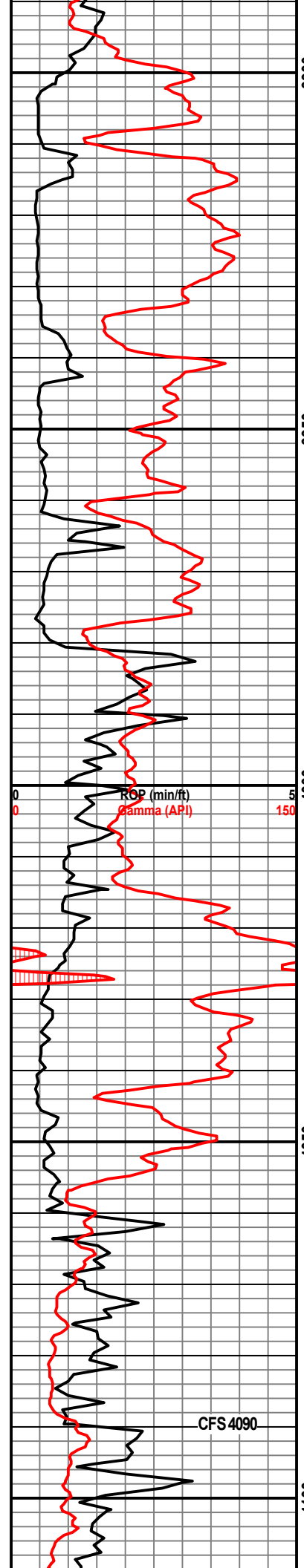
Ls - Wht, MicroXln, Scat InterXln Por, Resid STN, Sme Fresh, Very Sli Show Oil, No Odor

Ls - tan, MicroXln, Mstly No Vis Por, Scat Oolica/Vuggs, Oil Filled, Good Odor





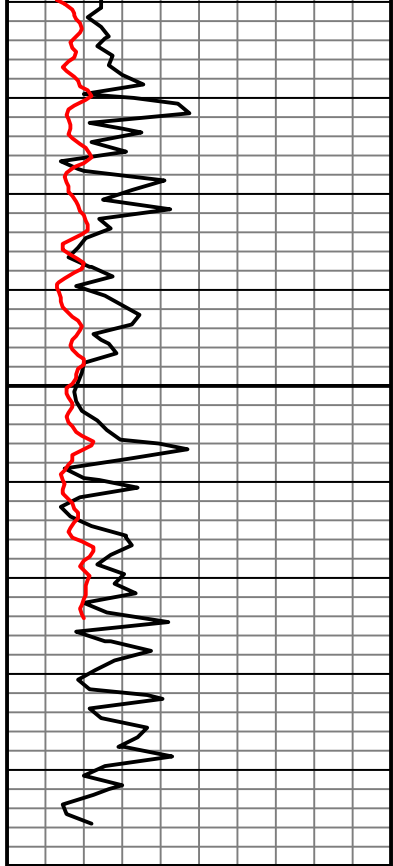
Depth (ft)	TG (Units)	C1 (units)	C2 (units)	C3 (units)	C4 (units)	C5 (units)
3700	10	100	100	100	100	1000
3750	10	100	100	100	100	1000
3800	10	100	100	100	100	1000
3850	10	100	100	100	100	1000



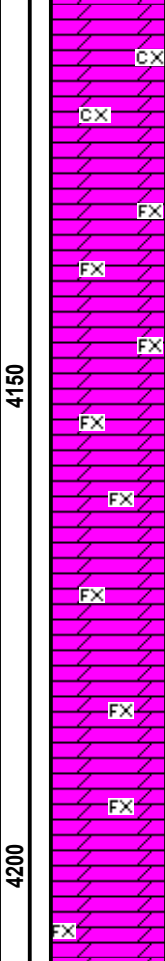
- Mud Report -
Depth: 4006
Wt: 9.2
Vis: 61
Fil: 8.4
Chl: 2,000
Lcm: 3#

Moved Bloodhound
Depth: 6'

CFS 4090



R.T.D - 4210
L.T.D - 4210



Dol - cream, MicorXLn, few Scat vugs, mstly No Vis Por

Dol - Li/Gry, Good XLN Por, Scat Vugs, Sme Green Tint, N/S

Dol - Li/Pink, fXLn, Sme InterXLn por with Scat Vugs, N/S

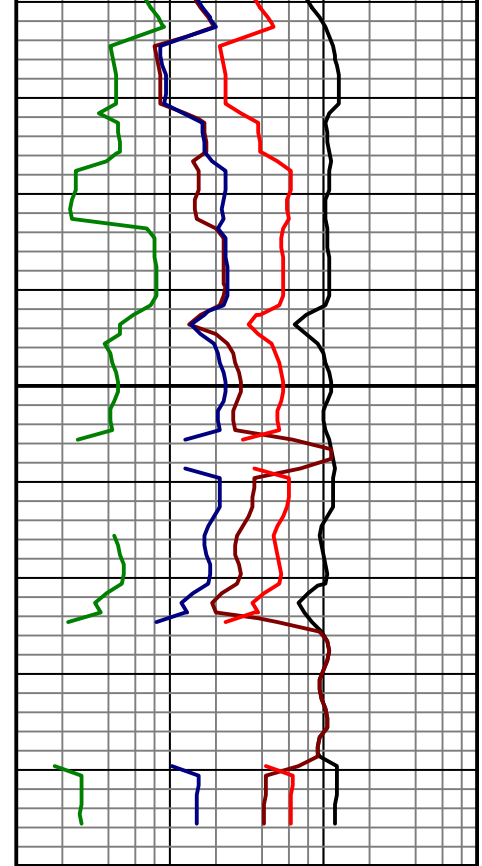
Dol - tan, fXLn, Oolitic, Vuggy, N/S

Dol - Li/BrTan, fXLn, Ooliti W/ Scat vugs, Pyrite Crystals.

Dol - Gry, fXLn, weathered, Scat Vugs, N/S

Dol - Gry, fXLn, Vuggy, Scat Ooliti, Sme InterXLn Por, N/S

DATASHFTED 6' TO MATCH LOGS - BLOODHOUND TD OFF



Depth (ft)	TG (Units)	C1 (units)	C2 (units)	C3 (units)	C4 (units)	C5 (units)
4150	10	100	100	100	100	100
4160	10	100	100	100	100	100
4170	10	100	100	100	100	100
4180	10	100	100	100	100	100
4190	10	100	100	100	100	100
4200	10	100	100	100	100	100

4250

4300



CEMENT TREATMENT REPORT

Customer:	NEC Operating of Kansas	Well:	Wrangler 7	Ticket:	wp 4595
City, State:	Ogallah Kansas	County:	Trego Kansas	Date:	8/11/2023
Field Rep:	Keaton Jones	S-T-R:	32-11s-22w	Service:	Longstring

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-Long	Blend:	H Plug
Hole Depth:	4210 ft	Weight:	15.0 ppg	Weight:	13.7 ppg
Casing Size:	5 1/2 in	Water / Sx:	5.9 gal / sx	Water / Sx:	gal / sx
Casing Depth:	419 ft	Yield:	1.43 ft ³ / sx	Yield:	1.43 ft ³ / sx
Tubing / Liner:	in	Annular Bbbs / Ft.:	bbs / ft.	Annular Bbbs / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbbs	Annular Volume:	0 bbbs
Tool Depth:	ft	Excess:		Excess:	
Displacement:	101.0 bbbs	Total Slurry:	48.3 bbbs	Total Slurry:	7.6 bbbs
		Total Sacks:	190 sx	Total Sacks:	30 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
3:20 PM			-	-	on location job and safety
3:45 PM				-	spot trucks and rig up
				-	port collar @ 1964
				-	turbolizers 1,3,5,7,9,11,13,15,52,54,57,59
				-	baskets 5&55
3:30 PM				-	start casing in the hole
5:30 PM				-	casing on bottom and circulate
7:00 PM				-	start flush
	5.5	300.0	10.0	10.0	fresh water
	5.5	300.0	12.0	22.0	mud flush
	5.5	300.0	10.0	32.0	fresh water
			7.6		plug rat hole
7:15 PM					start cement down hole
	5.0	250.0	48.0		mix 190 sacks cement
7:30 PM					cement in
					wash pump and lines andv release the plug
7:35 PM					start displacement
	6.0	270.0	30.0		
	6.0	270.0	40.0		
	6.0	270.0	50.0		
	6.0	430.0	70.0		
	6.0	700.0	90.0		
	3.0	1,000.0	101.0		
8:00 PM					plug down,,,,,took pressure from 1000 to 1500
					release pressure and plug held

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	M McGraw	529/522	5.5 bpm	409 psi	469 bbbs
Bulk #1:	B Whitfield	182/534			
Bulk #2:					

