

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	NEC Operating - Kansas, LLC
Well Name	COW CATCHER 1
Doc ID	1733836

All Electric Logs Run

Micro
Dual Induction
PE
Quad Combo

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	COW CATCHER 1
Doc ID	1733836

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4195	4199			
3	4149	4152	CIBP Cast Iron Bridge Plug	4188	
6	4136	4142			
4	4068	4078	CIBP Cast Iron Bridge Plug	4126	
4	4045	4049			
4	4038	4042			



**Cow Catcher #1**  
**WellSight Systems**  
 Scale 1:240 (5"=100') Imperial  
 Measured Depth Log

Well Name: Cow Catcher #1  
 API: 15-195-23158-00-00  
 Location: 1950 FNL, 450FWL - Sec 19-T12S-R22W  
 License Number: 35920  
 Spud Date: 5/22/2023  
 Surface Coordinates: NAD(27), (38.995637, -99.814414)

Region: Trego County  
 Drilling Completed: 5/27/2023

Bottom Hole Same As Surface  
 Coordinates:  
 Ground Elevation (ft): 2410 Survey      K.B. Elevation (ft): 2417  
 Logged Interval (ft): 3400      To: 4300      Total Depth (ft): 4300  
 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: Cow Catcher		Lease: Riedel Farms		Lease: Hubalek #1 D&A		Lease: Rhoden A-5								
KB	2417	KB	2409	KB	2415	KB	2399							
Formation	Top	Datum	Strat Comp	Formation	Top	Datum	Strat Comp	Formation	Top	Datum	Strat Comp	Formation	Top	Datum
Anhy	1836	581	-3	Anhy	1825	584	-1	Anhy	1833	582	-5	Anhy	1813	586
topeka	3442	-1025	-12	topeka	3422	-1013	#####	topeka	N/A	#VALUE!	#####	topeka	N/A	#VALUE!
Heebner	3664	-1247	-15	Heebner	3641	-1232	-9	Heebner	3653	-1238	-18	Heebner	3628	-1229
Toronto	3683	-1266	-15	Toronto	3660	-1251	-5	Toronto	3676	-1261	-18	Toronto	3647	-1248
Lansing "A"	3700	-1283	-17	Lansing "A"	3675	-1266	-10	Lansing "A"	3688	-1273	-20	Lansing "A"	3662	-1263
Lansing "C"	3741	-1324	-16	Lansing "C"	3717	-1308	-3739	Lansing "C"	2415	2415	-3723	Lansing "C"	2399	2399
lansing "D"	3756	-1339	-20	lansing "D"	3728	-1319	-3754	lansing "D"	2415	2415	-3738	lansing "D"	2399	2399
Lansing "F"	3774	-1357	-20	Lansing "F"	3746	-1337	-3772	Lansing "F"	2415	2415	-3756	Lansing "F"	2399	2399
lansing "G"	3785	-1368	-20	lansing "G"	3757	-1348	-3783	lansing "G"	2415	2415	-3767	lansing "G"	2399	2399
Lansing "H"	3842	-1425	-19	Lansing "H"	3815	-1406	-3840	Lansing "H"	2415	2415	-3824	Lansing "H"	2399	2399
Lansing "I"	3861	-1444	-18	Lansing "I"	3835	-1426	-3859	Lansing "I"	2415	2415	-3843	Lansing "I"	2399	2399
Lansing "J"	3884	-1467	-19	Lansing "J"	3857	-1448	-3882	Lansing "J"	2415	2415	-3866	Lansing "J"	2399	2399
Stark	3896	-1479	-18	Stark	3870	-1461	-3894	Stark	2415	2415	-3878	Stark	2399	2399
Lansing "K"	3907	-1490	-21	Lansing "K"	3878	-1469	-3905	Lansing "K"	2415	2415	-3889	Lansing "K"	2399	2399
Hushpuckney	3923	-1506	-17	Hushpuckney	3898	-1489	-3921	Hushpuckney	2415	2415	-3905	Hushpuckney	2399	2399
lansing "L"	3930	-1513	-19	lansing "L"	3903	-1494	-3928	lansing "L"	2415	2415	-3912	lansing "L"	2399	2399
BKC	3944	-1527	-22	BKC	3914	-1505	-3942	BKC	2415	2415	-3926	BKC	2399	2399
Marmaton	4037	-1620	-21	Marmaton	4008	-1599	-13	Marmaton	4022	-1607	-4019	Marmaton	2399	2399
Cherokee SD	4102	-1685	8	Cherokee SD	4102	-1693	-4100	Cherokee SD	2415	2415	-4084	Cherokee SD	2399	2399
Arbuckle	4148	-1731	-1	Arbuckle	4139	-1730	-5	Arbuckle	4141	-1726	24	Arbuckle	4154	-1755
		2417			0		2		0	2415			0	

# NEC Operating Kansas

## Cow Catcher #1


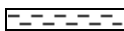

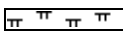
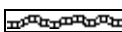
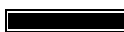


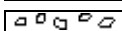


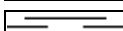
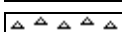


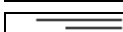
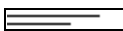



Casing Size:	5.5	15.5#	Guide Shoe	0.7	Port Collar	3' added to JT #54		
RTD:	4300	LTD:	4300	Casing TD	4286	FT off LTD:	14	Elevation: KB: 2417

JT. #	Length	Csg. Tally	Top of Jt.	JT. #	Length	Csg. Tally	Top of Jt.	JT.#	Length	Csg. Tally	Top of Jt.
<b>Shoe JT</b>	21.29	21.99	4264.01	50	42.52	2148.07	2137.93	100	42.51	4278.92	7.08
1	42.51	64.50	4221.50	51	42.52	2190.59	2095.41	101	23.44	4302.36	-16.36
2	42.55	107.05	4178.95	52	42.51	2233.10	2052.90				
3	42.50	149.55	4136.45	53	45.50	2278.60	2007.40				
4	42.47	192.02	4093.98	54	42.53	2321.13	1964.87				
5	42.53	234.55	4051.45	55	42.62	2363.75	1922.25				
6	42.56	277.11	4008.89	56	42.61	2406.36	1879.64				
7	42.55	319.66	3966.34	57	42.62	2448.98	1837.02				
8	42.50	362.16	3923.84	58	42.63	2491.61	1794.39				
9	42.48	404.64	3881.36	59	42.61	2534.22	1751.78				
10	42.50	447.14	3838.86	60	42.50	2576.72	1709.28				
11	42.49	489.63	3796.37	61	42.47	2619.19	1666.81				
12	42.52	532.15	3753.85	62	42.49	2661.68	1624.32				
13	42.71	574.86	3711.14	63	42.62	2704.30	1581.70				
14	42.57	617.43	3668.57	64	42.51	2746.81	1539.19				
15	42.58	660.01	3625.99	65	42.61	2789.42	1496.58				
16	42.51	702.52	3583.48	66	42.50	2831.92	1454.08				
17	42.66	745.18	3540.82	67	42.66	2874.58	1411.42				
18	42.50	787.68	3498.32	68	42.54	2917.12	1368.88				
19	42.71	830.39	3455.61	69	42.64	2959.76	1326.24				
20	42.49	872.88	3413.12	70	42.53	3002.29	1283.71				
21	42.53	915.41	3370.59	71	42.62	3044.91	1241.09				
22	42.50	957.91	3328.09	72	42.50	3087.41	1198.59				
23	42.48	1000.39	3285.61	73	42.17	3129.58	1156.42				
24	42.49	1042.88	3243.12	74	42.65	3172.23	1113.77				
25	42.56	1085.44	3200.56	75	42.61	3214.84	1071.16				
26	42.51	1127.95	3158.05	76	42.41	3257.25	1028.75				
27	42.50	1170.45	3115.55	77	42.63	3299.88	986.12				
28	42.51	1212.96	3073.04	78	42.55	3342.43	943.57				
29	42.49	1255.45	3030.55	79	42.60	3385.03	900.97				
30	42.50	1297.95	2988.05	80	42.65	3427.68	858.32				
31	42.48	1340.43	2945.57	81	42.66	3470.34	815.66				
32	42.50	1382.93	2903.07	82	42.51	3512.85	773.15				
33	42.49	1425.42	2860.58	83	42.62	3555.47	730.53				
34	42.48	1467.90	2818.10	84	42.50	3597.97	688.03				
35	42.54	1510.44	2775.56	85	42.50	3640.47	645.53				
36	42.52	1552.96	2733.04	86	42.65	3683.12	602.88				
37	42.51	1595.47	2690.53	87	42.63	3725.75	560.25				
38	42.50	1637.97	2648.03	88	42.48	3768.23	517.77				
39	42.48	1680.45	2605.55	89	42.64	3810.87	475.13				
40	42.49	1722.94	2563.06	90	42.61	3853.48	432.52				
41	42.50	1765.44	2520.56	91	42.46	3895.94	390.06				
42	42.54	1807.98	2478.02	92	42.60	3938.54	347.46				
43	42.48	1850.46	2435.54	93	42.65	3981.19	304.81				
44	42.55	1893.01	2392.99	94	42.5	4023.69	262.31				
45	42.51	1935.52	2350.48	95	42.61	4066.30	219.70				
46	42.52	1978.04	2307.96	96	42.64	4108.94	177.06				
47	42.49	2020.53	2265.47	97	42.50	4151.44	134.56				
48	42.50	2063.03	2222.97	98	42.49	4193.93	92.07				
49	42.52	2105.55	2180.45	99	42.48	4236.41	49.59				
<b>Totals</b>	<b>2104.85</b>		<b>2180.45</b>		<b>2130.86</b>	<b>4235.71</b>	<b>49.59</b>	<b>Totals</b>	<b>65.95</b>	<b>4301.66</b>	<b>4286.00</b>

Pick up Rigs Landing Joints - Pick up final Pup Joint- Tag Bottom - Pull off Pup Joint pull up to GL

Centralizers:	4264, 4178, 4136, 4051, 4008, 3923, 3838, 3753, 3668, 3583, 2052, 1964, 1937, 1709	
Port Collar	2007	Basket: 4021, 4051, 4008, 2052
Latch Down Insert Baffle	Top of Shoe JT	Packer Shoe: N/A
Equipment/Pipe Not Run:	Last Pup JT - 23.44	

### ROCK TYPES

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

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- 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

- Siltstrg
- 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

- Spotted
- Ques
- Dead

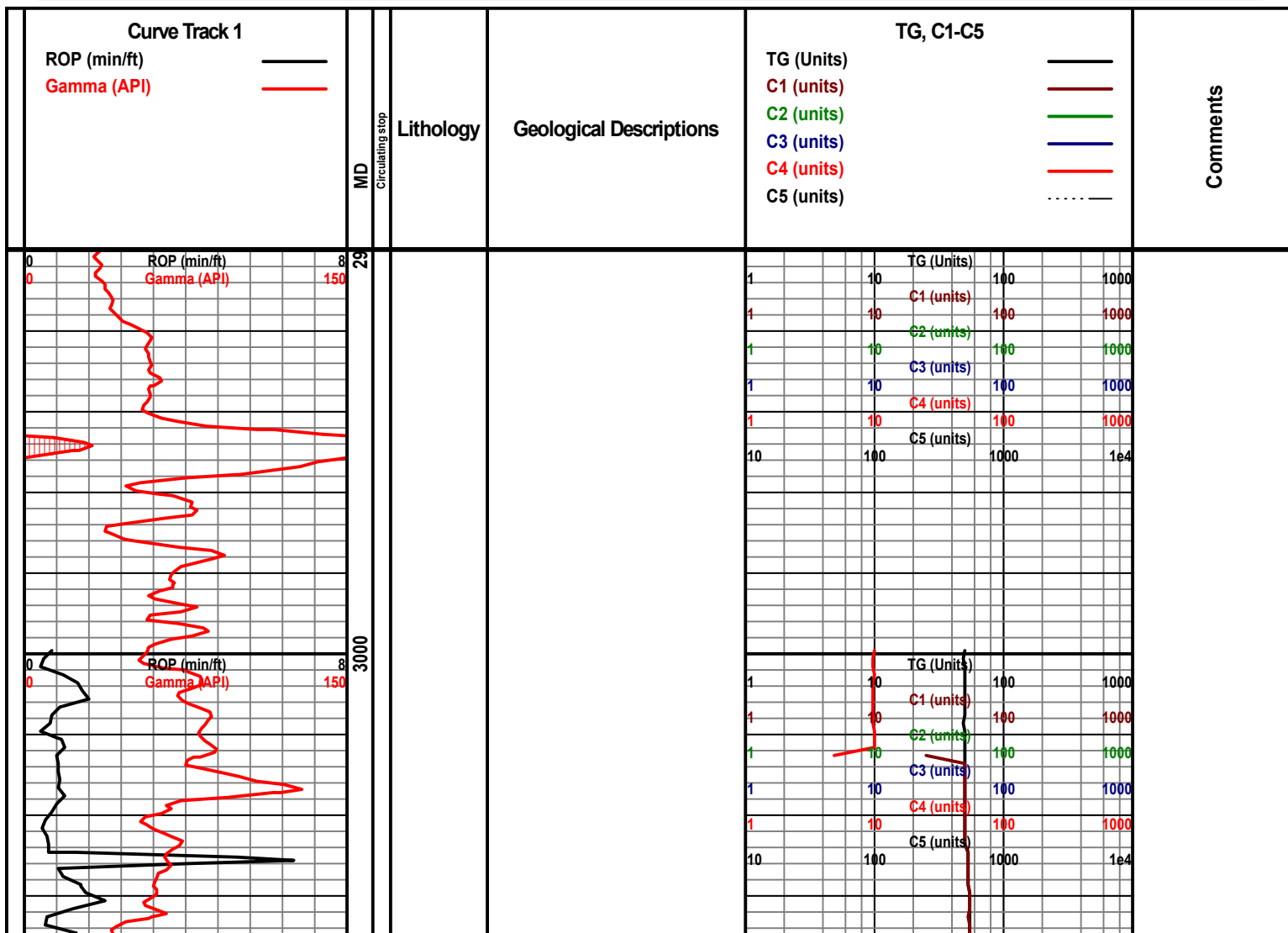
#### INTERVAL

- Core
- Dst 2
- Dst 4

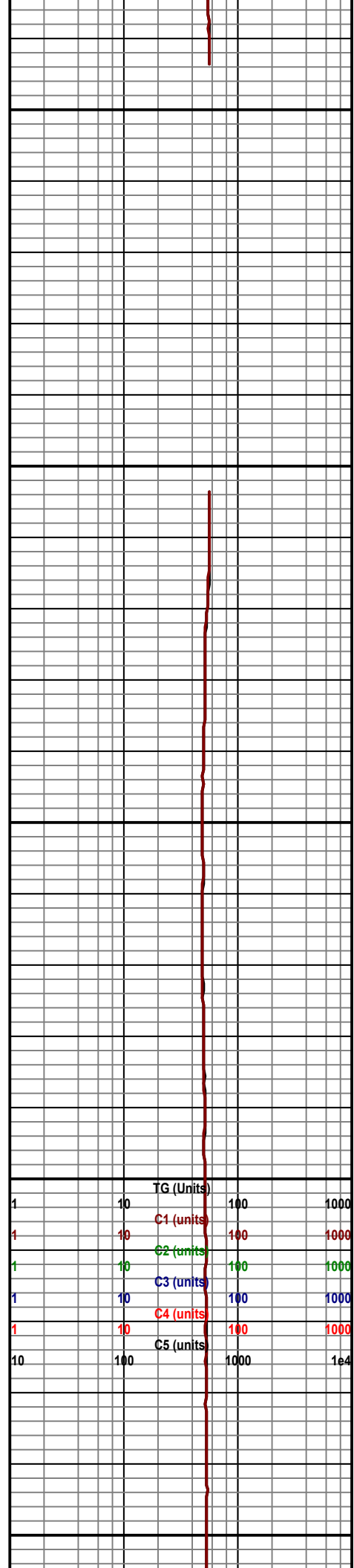
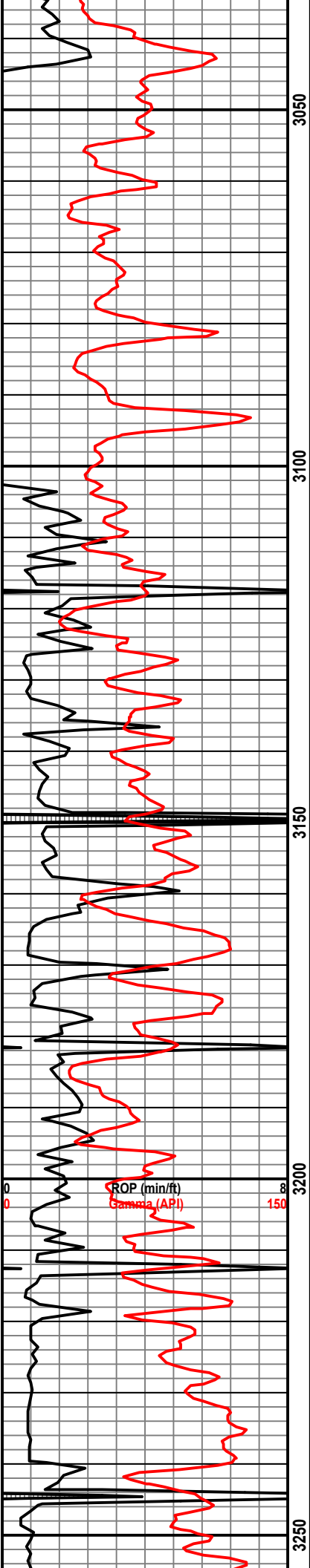
- Dst 3
- Dst

#### EVENT

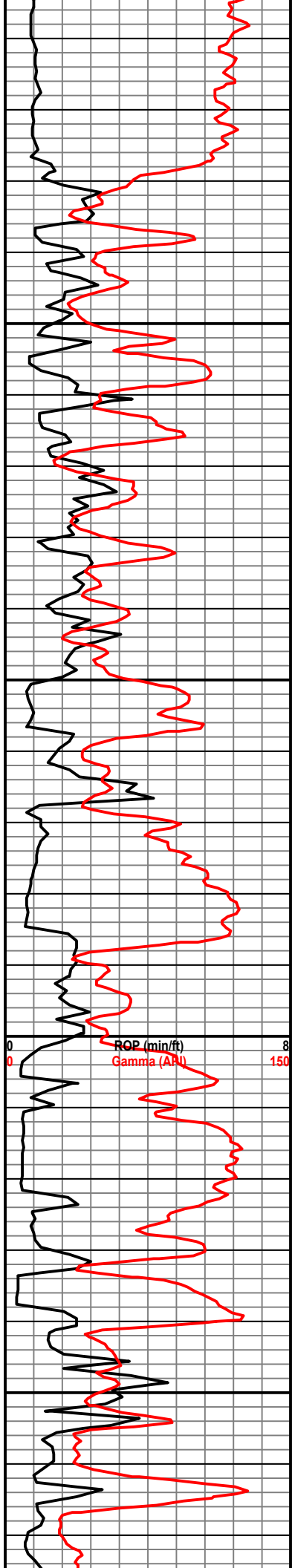
- Rft
- Sidewall







	1	10	100	1000
	1	10	100	1000
	1	10	100	1000
	1	10	100	1000
	1	10	100	1000
	1	10	100	1000
	10	100	1000	1e4



3300  
3350  
3400  
3450



Sh - Gry - Scat Blk Carb - Silty

Ls - Br - MedXLn - Scat  
IntrXlnPor - Foss - Scat SS Grms  
- Med Sub RD - N/S

SS - Gm - Vry Shly - VryGr - Rd -  
CalcMatrix - N/S

Sh - Gry - Sli Gm Tint - Sli Silty -

Ls - Gry - MedXLn - InterBd Shls  
- Sli Foss

Sh - Gm - Sli Waxy - Sme Scat  
Silty

Ls - br, medxln, scat oolites,  
foss, N/S

Ls - Gry, f/MicroXln, No Vis Por

Ls - , wht/tan, fxln, sli chalky,

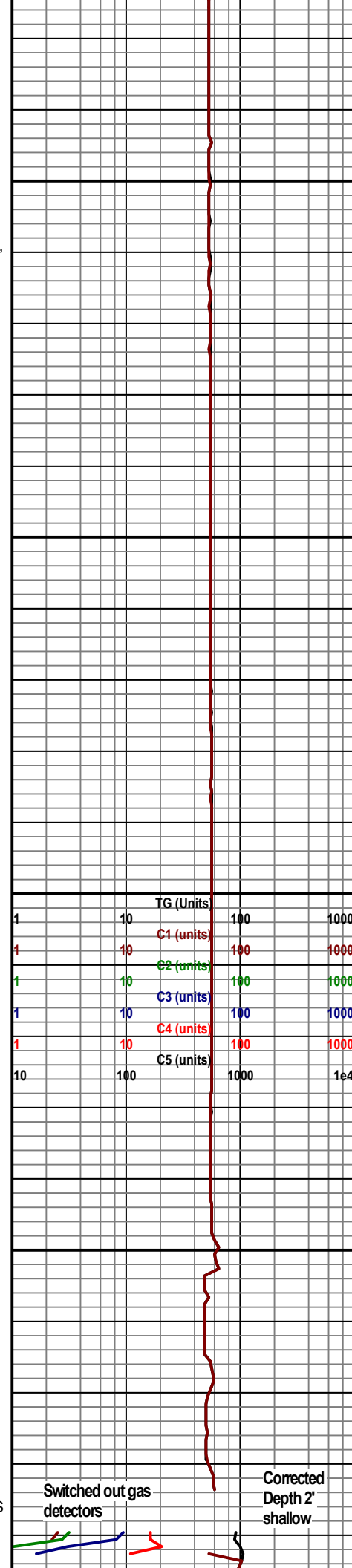
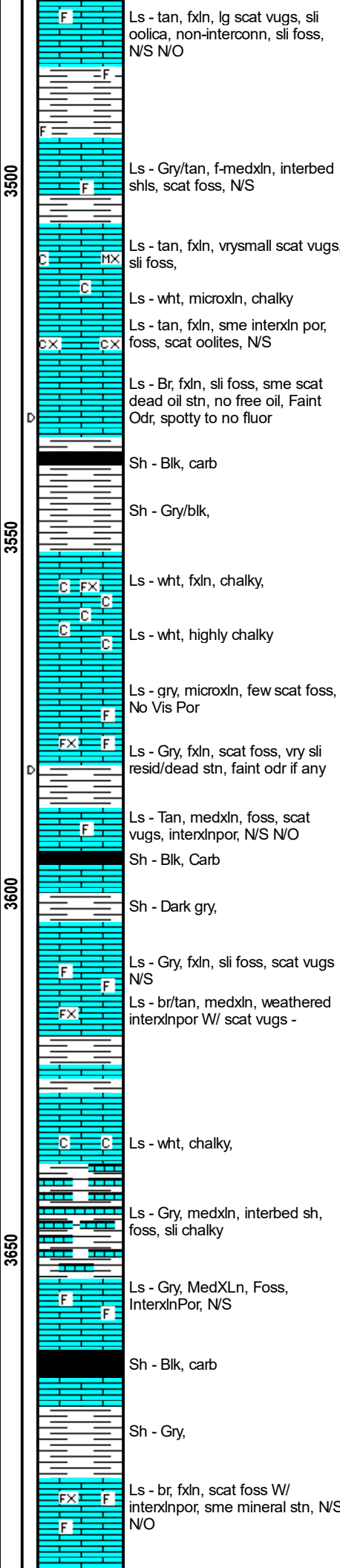
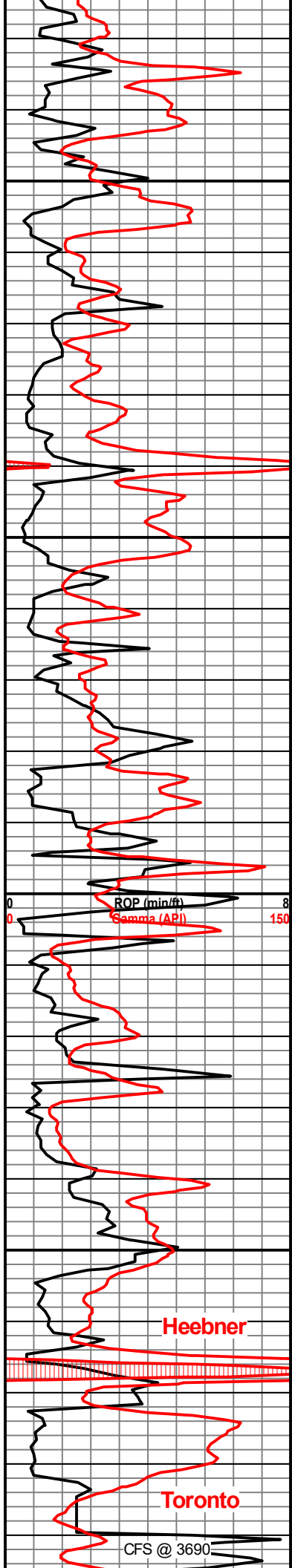
Sh - blk, carb,

Ls - tan/br, fxln, weathered, vry  
few scat vugs, sli foss, N/S

		TG (Units)		
1	10	C1 (units)	100	1000
1	10	C2 (units)	100	1000
1	10	C3 (units)	100	1000
1	10	C4 (units)	100	1000
1	10	C5 (units)	100	1000
10	100		1000	1e4

Displace @3300

Start Samples 10'  
Wet/Dry



- Mud Check -  
Wt: 8.8  
Vis: 67

Increased water and cut in #2

Balled Bit

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

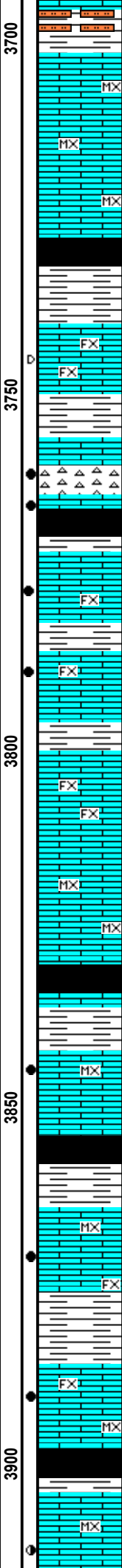
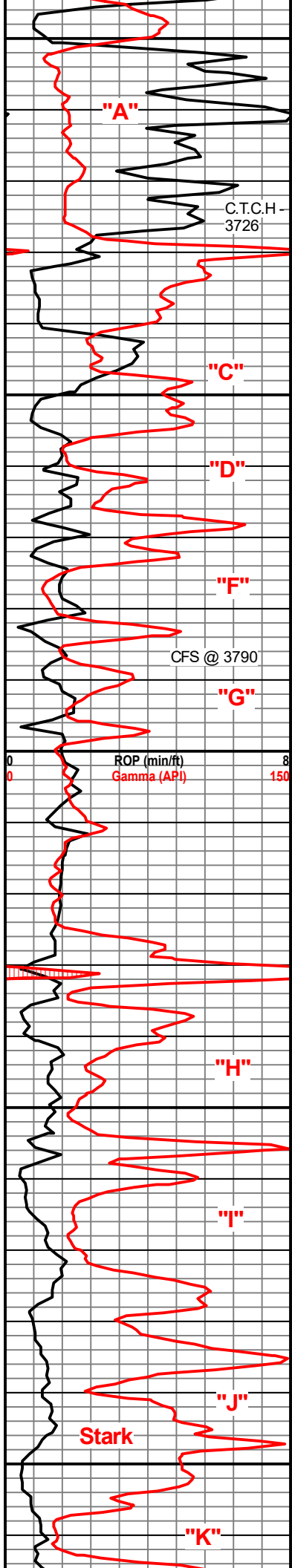
Purged gas detector with propane - No Results - blew lines and cleaned agitator - No Results - drilling to top of LKC and CFS till gas detector arrives

- Mud Report -  
Depth: 3661  
Wt: 8.9  
Vis: 55  
Fil: 8.8  
Chl: 2,500  
Lcm: 2#

Switched out gas detectors

Corrected Depth 2' shallow

CFS @ 3690



Sh - Red, Vry soft, Silty

Sh - Gm, Waxy Interbd SS gm, glauc

Ls - Li/tan, microXln, vry dse, vry few scat foss, NovisPor

Ls - Tan/Gm Tint, MicroXln, Scat SS gms, N/S

Sh - Blk, Carb, Fiss, Rust

SH - Bl/Gm - Sli SS - MedGr Rd

Ls - Tan, fXln, impacted Oolites, sme scat small vugs, 1 PC W/ Dead Stn, N/S N/O

Ch - wht/yellow, spic/foss, sli weathered, transition, 1 piece w/ SFO, well sat, No Gas, No Odr

Ls - Wht, PP, abndt stn, Vry Sli/SFO in 1 Piece No Odr

Sh - Blk, Carb

Ls - Wht, fxln, scat oolites, abundant stn/fresh, vry sli SFO No Gas, No Odr

Tan, fxln, oolit/foss, sli vug, SFO, Well Sat, Slow Stream Cut, Fair Fluor, faint Odr, Abundant oil samples

Ls - Br, f/vryfxln, highly oolitic, N/S N/O

Ls - Tan, MicroXln, Vry Few Scat Foss, Mstly No Vis Por

Sh - Blk, Carb, Fiss

Ls - Gry, MicroXln, vry few scat Foss, PP, InterXln, Dse, SFO No Gas, Faint Odr If Any

Ls - Br, f/VryFxlN, Br stn, N/S N/O

Ls - Br/tan, MicroXln, Few scat foss, Mstl No Vis Por

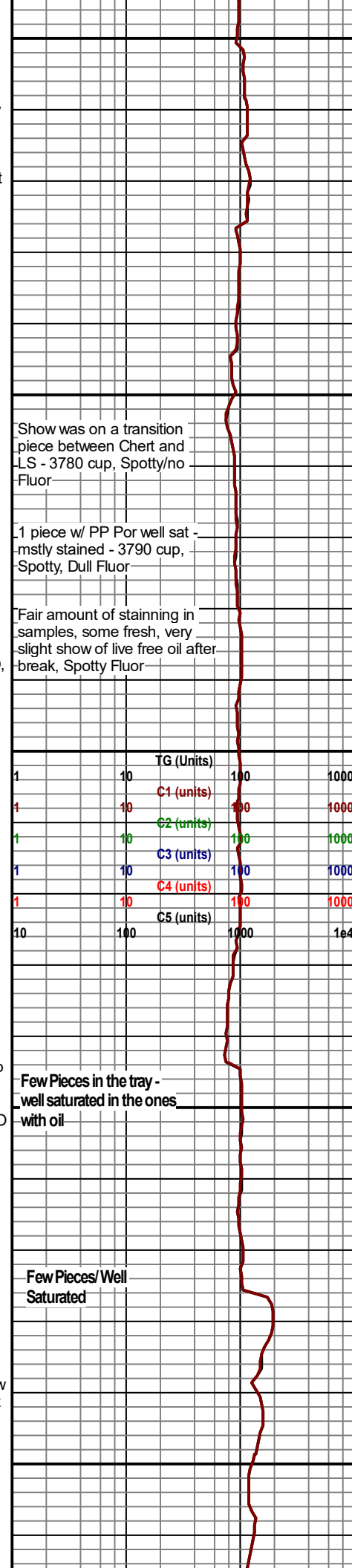
br/wht, f/vryfxln, PP, good SFO few gas, well sat, Faint Odr, Spotty Fluor

Ls - light Br, VryfXln, PP, Abundant Light Br Staining, Few Specks Free Oil, Faint Odr, Scat Fluor Dull

Sh - Blk, Carb

Sh - Br, Chalky

Ls - Wht, micrXln, PP, Abundt Resid staining, Vry Sli SFO in 1 Piece N/Odr Spot Fluor



C.T.C.H @ 3726 - Bit Trip

Strap - 0.39 LONG

Survey - 1.25 Deg

- Mud Check -  
Vis: 47  
12 Gel on Location  
- Poor sample quality

Show was on a transition piece between Chert and LS - 3780 cup, Spotty/no Fluor

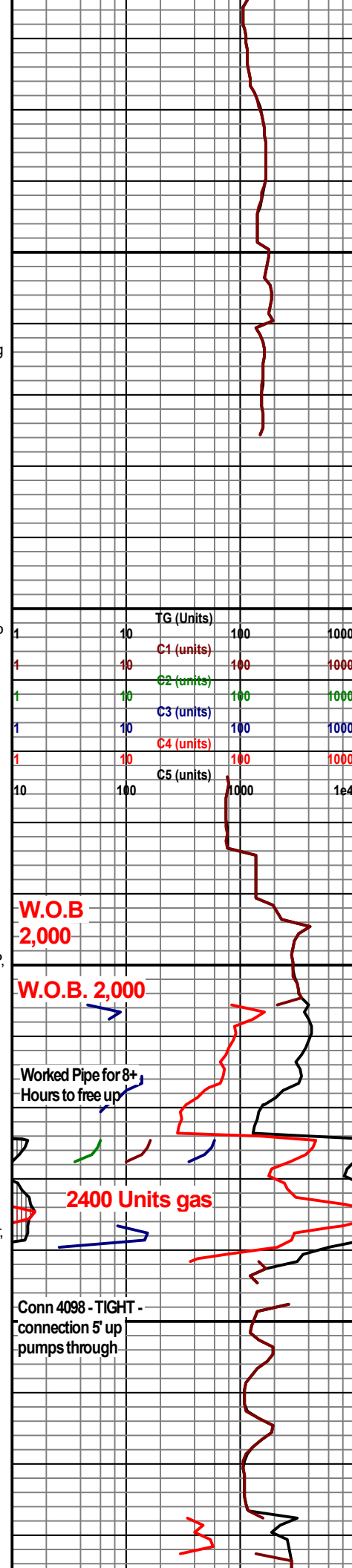
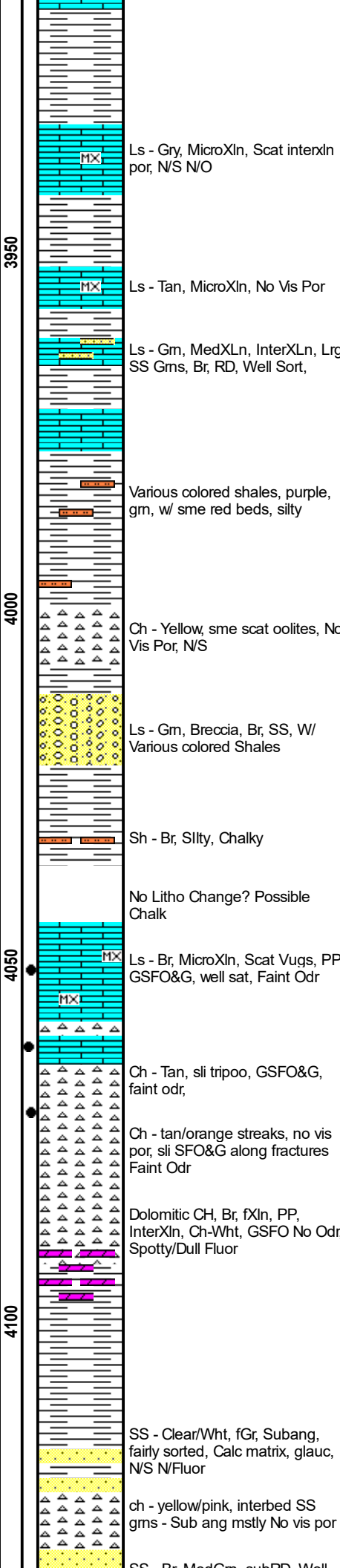
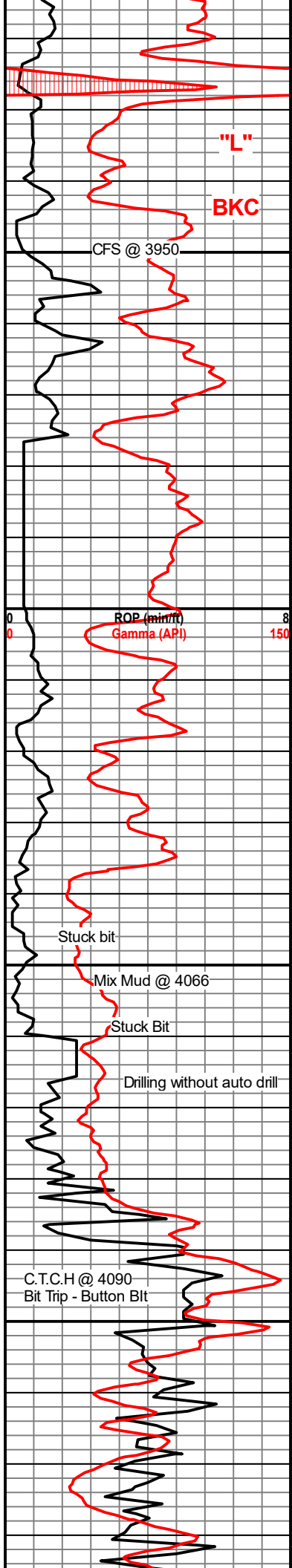
1 piece w/ PP Por well sat - mstly stained - 3790 cup, Spotty, Dull Fluor

Fair amount of staining in samples, some fresh, very slight show of live free oil after break, Spotty Fluor

	TG (Units)		
1	10	100	1000
1	10	C1 (units)	100
1	10	C2 (units)	100
1	10	C3 (units)	100
1	10	C4 (units)	100
1	10	C5 (units)	100
10	100	1000	1e4

Few Pieces in the tray - well saturated in the ones with oil

Few Pieces/Well Saturated



- Mud Check -  
Wt: 9.0  
Vis: 55

From 3976! - when i left location and left a call depth of 4020 the magnet fell off the geolograph and recorded no data

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

Loosing Volume - Pulled 10 Stands mixed Mud

- Mud Check -  
Wt: 9.0  
Vis: 59  
Lcm: 9#

2nd Bit Trip - After 2nd bit trip - Plugged bit and ran in with a button Bit

- Mud Report -  
Depth: 4105  
Wt: 8.9  
Vis: 65  
Fil: 10.0  
Chl: 3,500  
LCM: 8#

SS - Br, medGrn, subRD, well  
Consol, Dolomitic in Prt, N/S N/O

Ch - Yellow, Orange, Scat Oolitic,  
Dse, SLi Foss in sme N/S N/O

Dol - Br, fXln, Sli Suco, Dse, N/S  
N/O

tan, f/vryfln, sli suco

Dol - Tan, MedXLn Oolit, Suco,  
Vry Sli SFO&G 1 piece No Odr

Br, MedXLn, Highly Sucrosic,  
Scat GLauc, N/S N/O

Pink, MicroXLn, No Vis Por, N/S

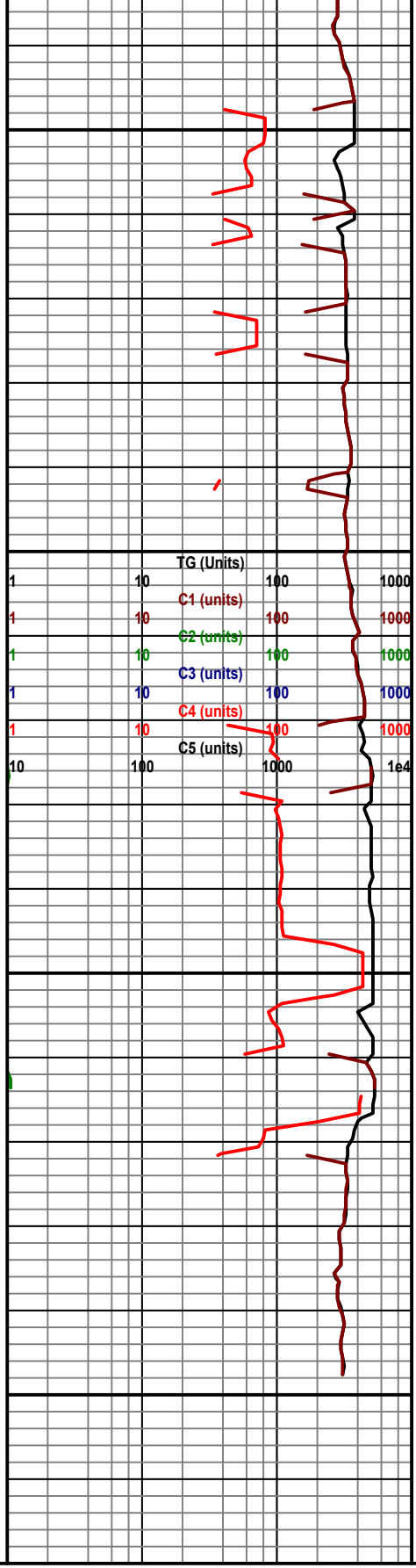
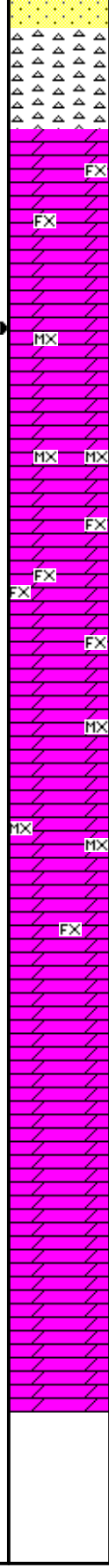
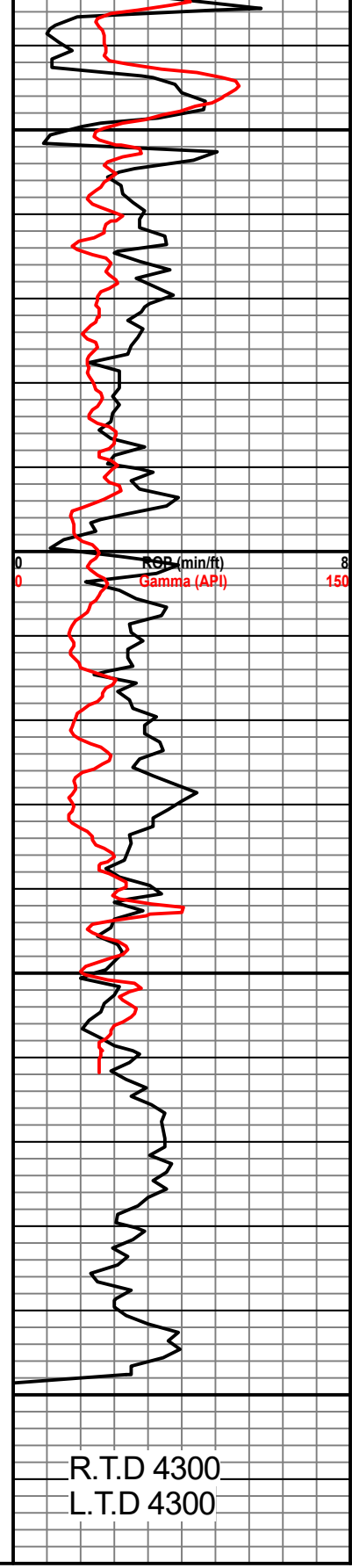
tan, fxln, highly oolit/vuggy por  
trc glauc, N/S

tan, fxln, sli sucrosic, sli vuggy

tan, microxlN, scat vugs w/ trc  
oolit, small oolitic

Tan fxln, sli Suco, Vuggy

Br, Suco, Sli Oolit



R.T.D 4300  
L.T.D 4300





Customer	NEC Operating	Lease & Well #	Cow Catcher #1	Date	5/28/2023
Service District	Oakley,KS	County & State	Trego,KS	Legals S/T/R	19-12S-22W
Job Type	Lonstring	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
					Ticket #
				<input checked="" type="checkbox"/> YES	WP4338

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
945	Spencer	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
230	Michael	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
180/530	Lupe	<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 type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

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Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP030	H-Long	sack	175.00	\$6,125.00
CP055	H-Plug A	sack	80.00	\$1,120.00
FE130	5 1/2" Cement Basket	ea	4.00	\$1,200.00
FE135	5 1/2 Turbolizer	ea	14.00	\$1,750.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$375.00
FE165	5 1/2" Port Collar	ea	1.00	\$3,500.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
AF055	Liquid KCL Substitute	gal	5.00	\$150.00
CP137	Liquid Defoamer	gal	1.00	\$75.00
M015	Light Equipment Mileage	mi	60.00	\$120.00
M010	Heavy Equipment Mileage	mi	120.00	\$480.00
M020	Ton Mileage	tm	720.00	\$1,080.00
D015	Depth Charge: 4001'-5000'	job	1.00	\$2,500.00
C050	Cement Plug Container	job	1.00	\$250.00
C060	Cement Blending & Mixing Service	sack	255.00	\$357.00
C035	Cement Data Acquisition	job	1.00	\$250.00
R061	Service Supervisor	day	1.00	\$275.00
CP110	Kol Seal	lb	800.00	\$600.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Net:	\$20,557.00
Based on this job, how likely is it you would recommend HSI to a colleague? <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"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		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:	\$ 20,557.00
		HSI Representative: <i>Spencer Savage</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 1/2% 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.

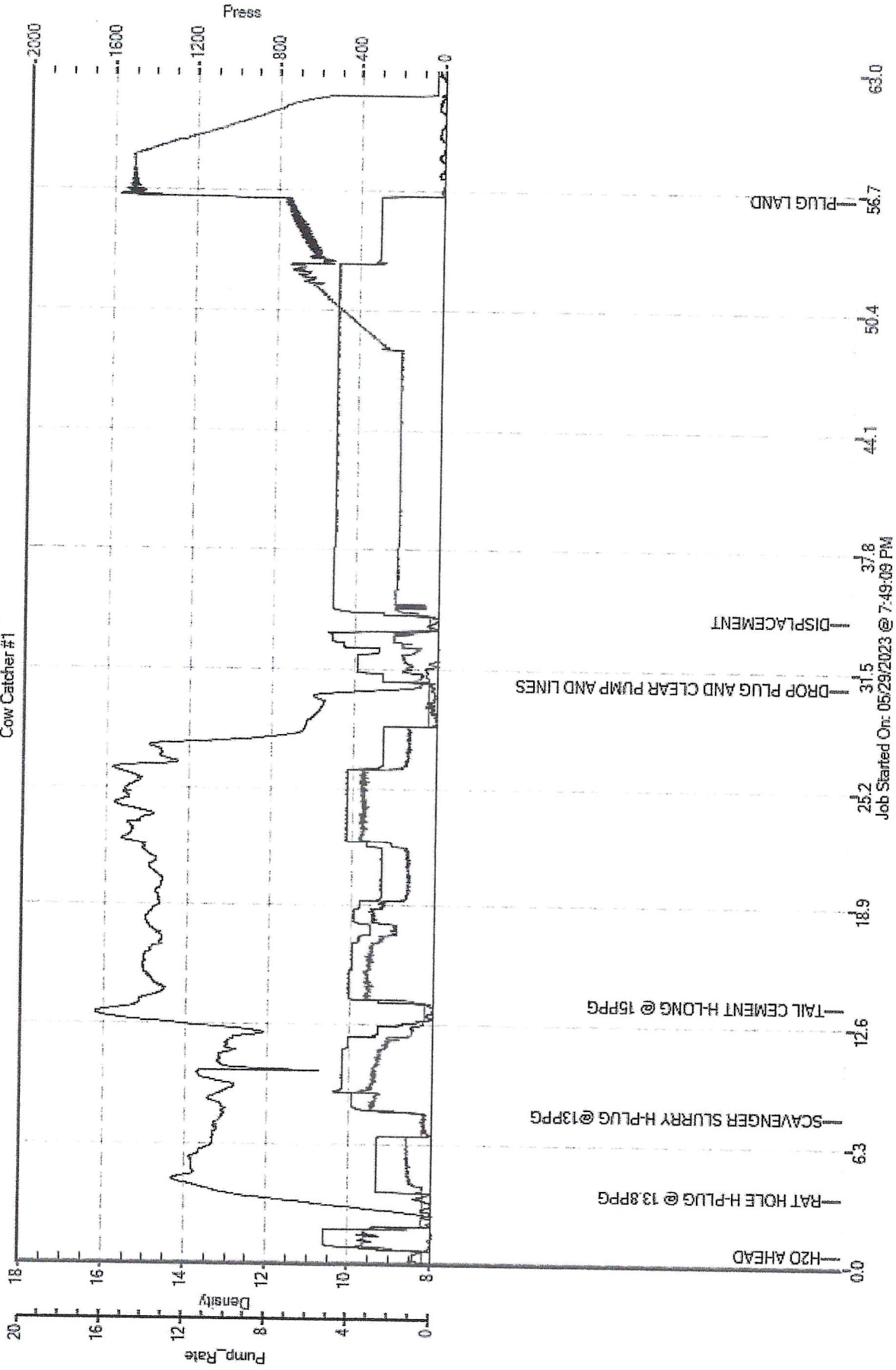
X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**







NEC Operating  
Cow Catcher #1











<b>Customer</b> NEC		<b>Lease &amp; Well #</b> COW CATCHER 1			<b>Date</b> 6/15/2023	
<b>Service District</b> PRATT, KS.		<b>County &amp; State</b> TREGO, KS.		<b>Legals S/T/R</b> 19-12S-22W		<b>Job #</b>
<b>Job Type</b> PORT COLLAR		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		<b>New Well?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> No		<b>Ticket #</b> WP 4407
<b>Equipment #</b>		<b>Driver</b>		<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>		
		<input checked="" type="checkbox"/> Hard hat		<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
176-522	OSBORN	<input checked="" type="checkbox"/> H2S Monitor		<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
526-532	STRICKLAND	<input checked="" type="checkbox"/> Safety Footwear		<input type="checkbox"/> Respiratory Protection	<input 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 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>						
<b>Product/ Service Code</b>						
	<b>Description</b>	<b>Unit of Measure</b>	<b>Quantity</b>			<b>Net Amount</b>
CP025	H-Con	sack	225.00			\$5,625.00
FE166	5 1/2" Shifting Tool	ea	1.00			\$500.00
M015	Light Equipment Mileage	mi	140.00			\$280.00
M010	Heavy Equipment Mileage	mi	280.00			\$1,120.00
M020	Ton Mileage	tm	1,484.00			\$2,226.00
C060	Cement Blending & Mixing Service	sack	225.00			\$315.00
D012	Depth Charge: 1001'-2000'	job	1.00			\$1,500.00
C035	Cement Data Acquisition	job	1.00			\$250.00
R061	Service Supervisor	day	1.00			\$275.00
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>						
						<b>Net:</b> \$12,091.00
						<b>Total Taxable</b> \$ - <b>Tax Rate:</b>
<b>Based on this job, how likely is it you would recommend HSI to a colleague?</b>						<b>Sale Tax:</b> \$ -
<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"/>						<b>Total:</b> \$ 12,091.00
Unlikely   1   2   3   4   5   6   7   8   9   10   Extremly Likely						
<b>HSI Representative:</b> D. SCOTT						

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





NEC  
WELL\_NAME

