

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	MARIE ANTOINETTE A-1
Doc ID	1787784

All Electric Logs Run

BORE HOLE PROFILE LOG
TRIPLE COMBO
DUAL INDUCTION
DENSITY/NEUTRON PE
MICRO

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	MARIE ANTOINETTE A-1
Doc ID	1787784

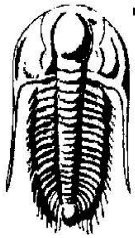
Tops

Name	Top	Datum
ANHY	1114	963
HEEBNER	3640	-1563
TORONTO	3659	-1582
LKC	3750	-1673
STARK	3972	-1895
BKC	4044	-1967
CHEROKEE	4182	-2105
MISS	4246	-2169
VIOLA	4334	-2257
ARBUCKLE	4510	-2433

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Doc ID	1787784

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	809	class a	225	3% calcium chloride + 2% bentonite + 0.25 pps celloflake
Production	7.875	5.5	15.5	4601	class a	275	5% gypsum + 10% salt + 0.6% fluid loss + 0.2% defoamer + 5 pps Kol-Seal + 0.25 pps celloflake



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

NEC Operating-Kansas, LLC

7/23/17

538 Silicon DR.
Southlake, TX
76092
ATTN: Keaton Jones

Marie Antoinotto A-1

Job Ticket: 70542

DST#: 1

Test Start: 2024.02.14 @ 07:26:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: 2078.00 ft (KB)

Time Tool Opened: 09:35:02

Time Test Ended: 15:16:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4183.00 ft (KB) To 4296.00 ft (KB) (TVD)

Total Depth: 4296.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2078.00 ft (KB)

2069.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6752 Inside

Press@RunDepth: 114.37 psig @ 4186.00 ft (KB)

Start Date: 2024.02.14

End Date:

2024.02.14

Start Time: 07:26:01

End Time:

15:16:02

Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2024.02.14 @ 09:32:47

Time Off Btm: 2024.02.14 @ 13:03:02

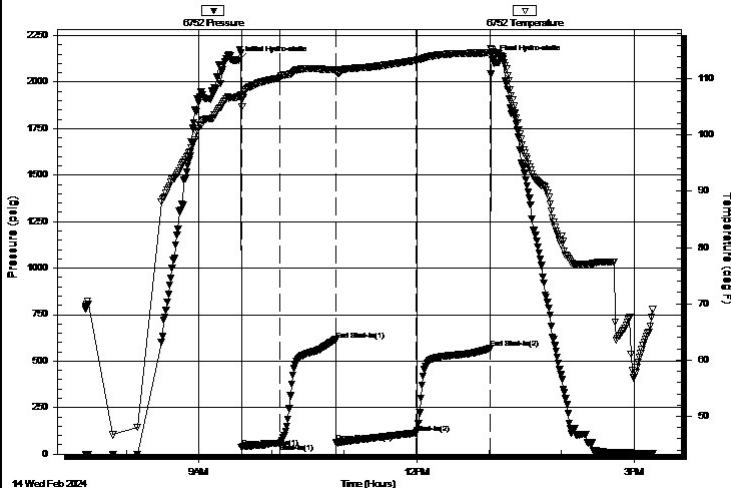
TEST COMMENT: IF: 30 min., BOB 15 min., strong building blow , 26 inches

IS: 45 min., no blow back

FF: 60 min., BOB 5 min., strong building blow , 64 inches

FS: 60 min., blow back 1 min., 4.7 inches

Pressure vs. Time



PRESSURE SUMMARY

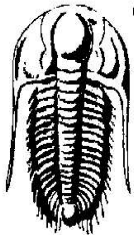
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.77	106.86	Initial Hydro-static
3	37.88	106.35	Open To Flow (1)
35	58.87	110.18	Shut-In(1)
81	615.13	111.61	End Shut-In(1)
81	64.94	111.34	Open To Flow (2)
147	114.37	113.28	Shut-In(2)
209	567.94	114.69	End Shut-In(2)
211	2119.09	114.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	gassy oily mud 60%G,20%O,20%M	2.81
750.00	GIP	10.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating-Kansas, LLC

7/23/17

538 Silicon DR.
Southlake, TX
76092

ATTN: Keaton Jones

Marie Antoinotto A-1

Job Ticket: 70542

DST#: 1

Test Start: 2024.02.14 @ 07:26:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 8800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	gassy oily mud 60%G,20%O,20%M	2.805
750.00	GIP	10.521

Total Length: 950.00 ft

Total Volume: 13.326 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

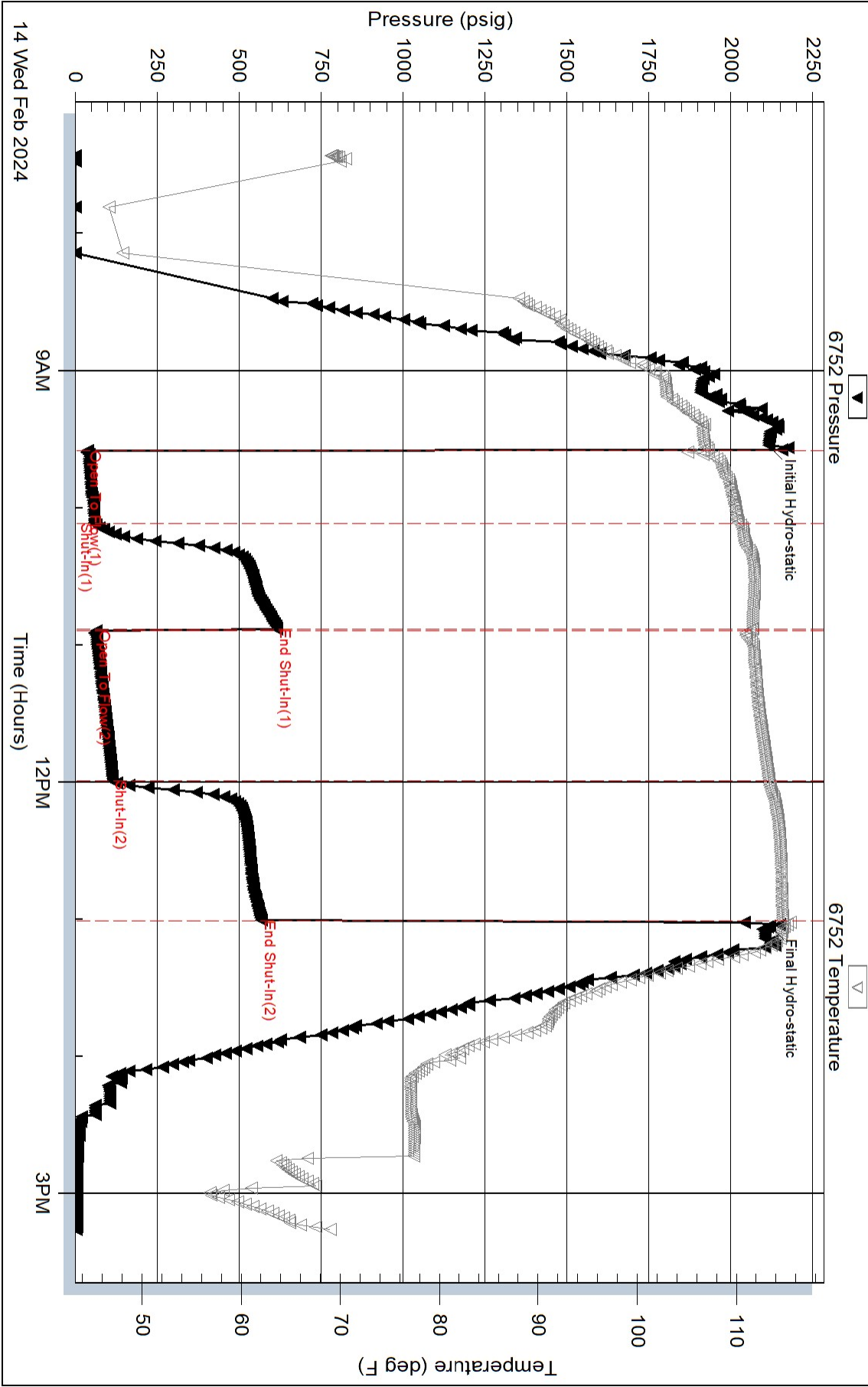
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 750' GIP

Pressure vs. Time



Marie Antoinette A-1

WellSight Systems

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

Well Name: Marie Antoinette A-1

API: 15-145-21893-0000

Location: 2300 FSL, 1000 FEL - Sec.7 Twp.23S R17W

License Number: 35920

Region: Pawnee County

Spud Date: 2/09/2024

Drilling Completed: 2/15/2023

Surface Coordinates: (NAD27): 38.064369, -99.226402

Bottom Hole Same As Surface

Coordinates:

Ground Elevation (ft): 2069

K.B. Elevation (ft): 2077

Logged Interval (ft): 3000

To: 4625

Total Depth (ft): 4625

Formation: Arbuckle

Type of Drilling Fluid: Chemical (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

Wellsite Comparison

Lease: Marie Antoinette A-1				---In Comparison To---			Lease: Godfrey A4		
K.B		2077	Strat	K.B		2071			
Formation	Depth:	Datum	Comp	Formation	Depth:	Datum			
Anhy	1114	963	-8	Anhy	1100	971			
heebner	3640	-1563	-6	heebner	3628	-1557			
Toronto	3659	-1582	-1	Toronto	3652	-1581			
Douglas	3668	-1591	0	Douglas	3662	-1591			
B.L	3742	-1665	-2	B.L	3734	-1663			
LKC	3750	-1673	0	LKC	3744	-1673			
LKC "B"	3790	-1713	-10	LKC "B"	3774	-1703			
LKC "F"	3826	-1749	-5	LKC "F"	3815	-1744			
LKC "G"	3854	-1777	-9	LKC "G"	3839	-1768			
LKC "H"	3895	-1818	-3	LKC "H"	3886	-1815			
LKC "J"	3948	-1871	-4	LKC "J"	3938	-1867			
Stark	3972	-1895	-4	Stark	3962	-1891			
LKC "K"	3978	-1901	-5	LKC "K"	3967	-1896			
Hush	4008	-1931	-6	Hush	3996	-1925			
BKC	4044	-1967	-6	BKC	4032	-1961			
Chero	4182	-2105	-2	Chero	4174	-2103			
miss	4246	-2169	-16	miss	4224	-2153			
misener	N/A		N/A	misener	4265	-2194			
viola	4334	-2257	-42	viola	4286	-2215			
Simp SH	4471	-2394	N/A	Simp SH					
arbuckle	4510	-2433	N/A	arbuckle					

NEC Operating Kansas LLC

Marie Antoinette A-1

Casing Size:	5.5	API 15.5#	Guide Shoe	1.1	Plugged Back Total Depth:	4584.60	KB	GL
RTD:	4625	LTD:	4618	Casing TD	4601	FT off LTD:	17	Elevation: 2069 2077

JT. #	Length	Csg. Tally	Top of Jt.	JT. #	Length	Csg. Tally	Top of Jt.	JT. #	Length	Csg. Tally	Top of Jt.
SH JT	14.30	15.40	4585.60	49	42.13	2099.14	2501.86	99	42.10	4203.56	397.44
1	42.15	57.55	4543.45	50	42.11	2141.25	2459.75	100	42.09	4245.65	355.35
2	42.15	99.70	4501.30	51	42.09	2183.34	2417.66	101	42.07	4287.72	313.28
3	42.13	141.83	4459.17	52	42.10	2225.44	2375.56	102	42.10	4329.82	271.18
4	42.13	183.96	4417.04	53	42.10	2267.54	2333.46	103	42.06	4371.88	229.12
5	42.10	226.06	4374.94	54	42.11	2309.65	2291.35	104	42.08	4413.96	187.04
Marker	20.55	246.61	4354.39	55	42.09	2351.74	2249.26	105	42.08	4456.04	144.96
6	42.08	288.69	4312.31	56	42.10	2393.84	2207.16	106	42.08	4498.12	102.88
7	42.10	330.79	4270.21	57	42.07	2435.91	2165.09	107	42.08	4540.20	60.80
8	42.08	372.87	4228.13	58	42.10	2478.01	2122.99	108	42.07	4582.27	18.73
9	42.15	415.02	4185.98	59	42.08	2520.09	2080.91	PUP	10.62	4592.89	8.11
10	42.08	457.10	4143.90	60	42.09	2562.18	2038.82	110	42.10	4634.99	-33.99
11	42.12	499.22	4101.78	61	42.07	2604.25	1996.75	111	42.10	4677.09	-76.09
12	42.10	541.32	4059.68	62	42.12	2646.37	1954.63				
13	42.13	583.45	4017.55	63	42.09	2688.46	1912.54				
14	42.07	625.52	3975.48	64	42.08	2730.54	1870.46				
15	42.09	667.61	3933.39	65	42.08	2772.62	1828.38				
16	42.10	709.71	3891.29	66	42.10	2814.72	1786.28				
17	42.06	751.77	3849.23	67	42.07	2856.79	1744.21				
18	42.15	793.92	3807.08	68	42.10	2898.89	1702.11				
19	42.10	836.02	3764.98	69	42.09	2940.98	1660.02				
20	42.08	878.10	3722.90	70	42.11	2983.09	1617.91				
21	42.12	920.22	3680.78	71	42.09	3025.18	1575.82				
22	42.11	962.33	3638.67	72	42.10	3067.28	1533.72				
23	42.13	1004.46	3596.54	73	42.09	3109.37	1491.63				
24	42.10	1046.56	3554.44	74	42.09	3151.46	1449.54				
25	42.11	1088.67	3512.33	75	42.07	3193.53	1407.47				
26	42.08	1130.75	3470.25	76	42.07	3235.60	1365.40				
27	42.10	1172.85	3428.15	77	42.08	3277.68	1323.32				
28	42.09	1214.94	3386.06	78	42.10	3319.78	1281.22				
29	42.11	1257.05	3343.95	79	42.10	3361.88	1239.12				
30	42.09	1299.14	3301.86	80	42.10	3403.98	1197.02				
31	42.11	1341.25	3259.75	81	42.11	3446.09	1154.91				
32	42.09	1383.34	3217.66	82	42.08	3488.17	1112.83				
33	42.08	1425.42	3175.58	83	42.10	3530.27	1070.73				
34	42.10	1467.52	3133.48	84	42.08	3572.35	1028.65				
35	42.12	1509.64	3091.36	85	42.07	3614.42	986.58				
36	42.07	1551.71	3049.29	86	42.08	3656.50	944.50				
37	42.11	1593.82	3007.18	87	42.09	3698.59	902.41				
38	42.12	1635.94	2965.06	88	42.08	3740.67	860.33				
39	42.11	1678.05	2922.95	89	42.08	3782.75	818.25				
40	42.10	1720.15	2880.85	90	42.08	3824.83	776.17				
41	42.13	1762.28	2838.72	91	42.07	3866.90	734.10				
42	42.08	1804.36	2796.64	92	42.11	3909.01	691.99				
43	42.12	1846.48	2754.52	93	42.06	3951.07	649.93				
44	42.09	1888.57	2712.43	94	42.07	3993.14	607.86				
45	42.13	1930.70	2670.30	95	42.09	4035.23	565.77				
46	42.09	1972.79	2628.21	96	42.06	4077.29	523.71				
47	42.10	2014.89	2586.11	97	42.09	4119.38	481.62				
48	42.12	2057.01	2543.99	98	42.08	4161.46	439.54				
Totals	2055.91		2543.99		2104.45	4160.36	439.54		515.63	4675.99	4601.00

				3	Pup Joints
				12	Turbo Centralizers
Centralizers	4585, 4459, 4364, 4312, 4228, 4143, 4068, 3975, 3891, 3807, 3722, 3638			0	Port Collar
Scratchers	None	Basket:	4501-4459	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 # 109, 110.			1	Cement Basket



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

NEC Operating-Kansas, LLC

7/23/17

538 Silicon DR.
Southlake, TX
76092
ATTN: Keaton Jones

Marie Antoinetto A-1

Job Ticket: 70542

DST#: 1

Test Start: 2024.02.14 @ 07:26:00

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: 2078.00 ft (KB)

Time Tool Opened: 09:35:02

Time Test Ended: 15:16:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4183.00 ft (KB) To 4296.00 ft (KB) (TVD)

Total Depth: 4296.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2078.00 ft (KB)

2069.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6752

Inside

Press@RunDepth: 114.37 psig @ 4186.00 ft (KB)

Start Date: 2024.02.14

End Date:

2024.02.14

Capacity:

psig

Start Time: 07:26:01

End Time:

15:16:02

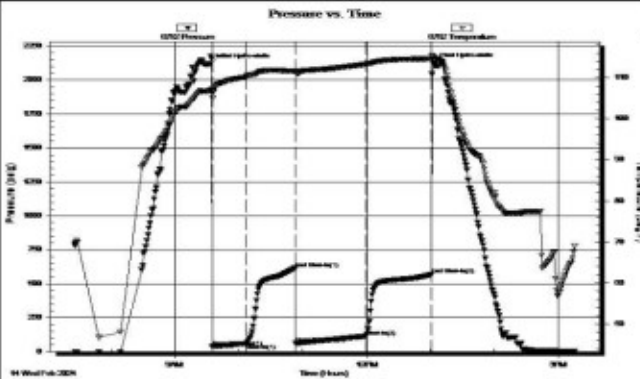
Last Calib.:

1899.12.30

Time On Btrm: 2024.02.14 @ 09:32:47

Time Off Btrm: 2024.02.14 @ 13:03:02

TEST COMMENT: F: 30 min., BOB 15 min., strong building blow, 26 inches
IS: 45 min., no blow back
FF: 60 min., BOB 5 min., strong building blow, 64 inches
FSt: 60 min., blow back 1 min., 4.7 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.77	106.86	Initial Hydro-static
3	37.88	106.35	Open To Flow (1)
35	58.87	110.18	Shut-In(1)
81	615.13	111.61	End Shut-In(1)
81	64.94	111.34	Open To Flow (2)
147	114.37	113.28	Shut-In(2)
209	567.94	114.69	End Shut-In(2)
211	2119.09	114.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	gassy oily mud 60%G,20%O,20%M	2.81
750.00	GP	10.52

Gas Rates

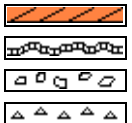
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)
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Trilobite Testing, Inc

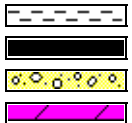
Ref. No: 70542

Printed: 2024.02.14 @ 17:00:42

ROCK TYPES



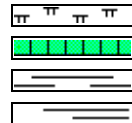
Anhy
Bent
Brec
Cht



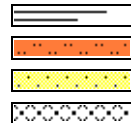
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta

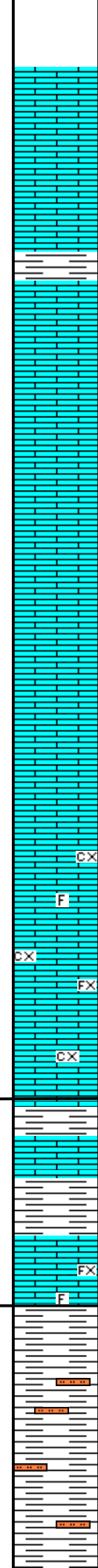
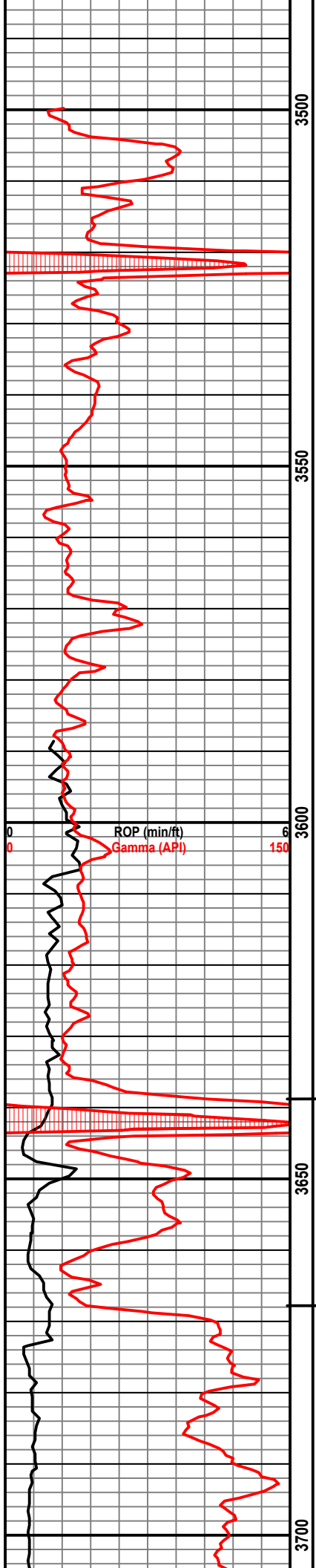


Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

1150



Ls - Tan, MedXLn, InterXLn Por,
Scat Foss, Trc Interbed Shls, NS

Ls - Tan, f/MedXLn, PP Por,
Dead Oil Strn, No Shows

Ls - Wht, f/vryf XLn, Scat foss Sli
chalk N/S

Heebner (~3640)

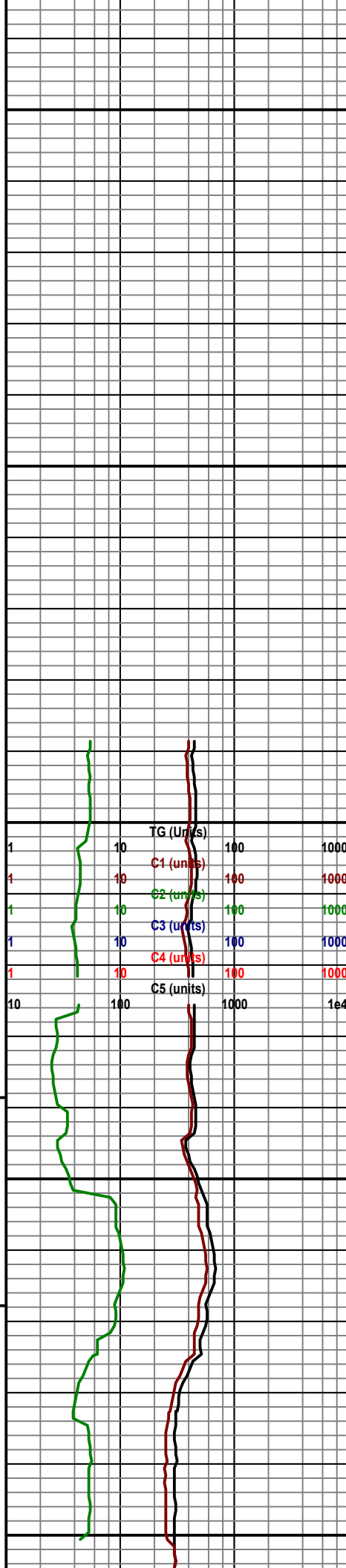
Sh - Blk, Carb

Sh - Gry, Blk Carb Particles
Ls - Br/Tan, Mstly fXLn, Scat
foss, Trc PP Por, No Shows No
Odor

Douglas (~1591)

Ls Gry, Silty

Ls - Gry, Silty



Strap 2.31 Short
Survey .25 Degree

Conn - 3611

Conn - 3642

- Mud Report -
Depth: 3674
Wt: 9.1
Vis: 44
Fil: 8,800
Lcm: 1#

Conn - 3674

Conn - 3705

Rig Check

Conn - 3737

Conn - 3669

Conn - 3800

Conn - 3832

Conn - 3864

Conn - 3896

Sh - Gry, Silty,

Brown Lime (-1665)

Ls - Br, MicroXLn, Trc Foss, Dse

Ls - wht, fXLn, Trc Foss, Trc Ch,
gry, transl, Scat Foss, N/S

Ls - Br, MedXLn, InterXLn por,
Trc Foss, SLi Oolit N/S

Sh - Blk Carb

Ls - Gry, MedXLn, Foss,
InterXLn Por, N/S

Ls - Gry, MedXLn, Foss,
Interbed Shls, N/S

Sh Gry, Fiss

Ls - Wht, MedXLn,
Oomoldic/Castic, Trc Foss, NS

Ls - Br, fXLn, InterXLn Por, Trc
Vugs, N/S

Ch, Gry, Transl, Trc Foss

Ls - Br, Ooli / Oolic, Foss, N/S

Ls - Wht, MicroXLn, Mstly No Vis
Por

Ls - Br, fXLn, InterXLn Por, PP
Por, Few Scat Vugs, N/S

Ls - Tan, f/vryfXLn, SLi Chalky

Sh - Blk Carb

LKC "H" (-1818)

Ls - Br, MedXLn, Highly
OOLic/Moldic, Scat Foss, N/S

Ls - Tan, fXLn PP Por, ReXLn
SPar scat Oolites, N/S

TG (Units)

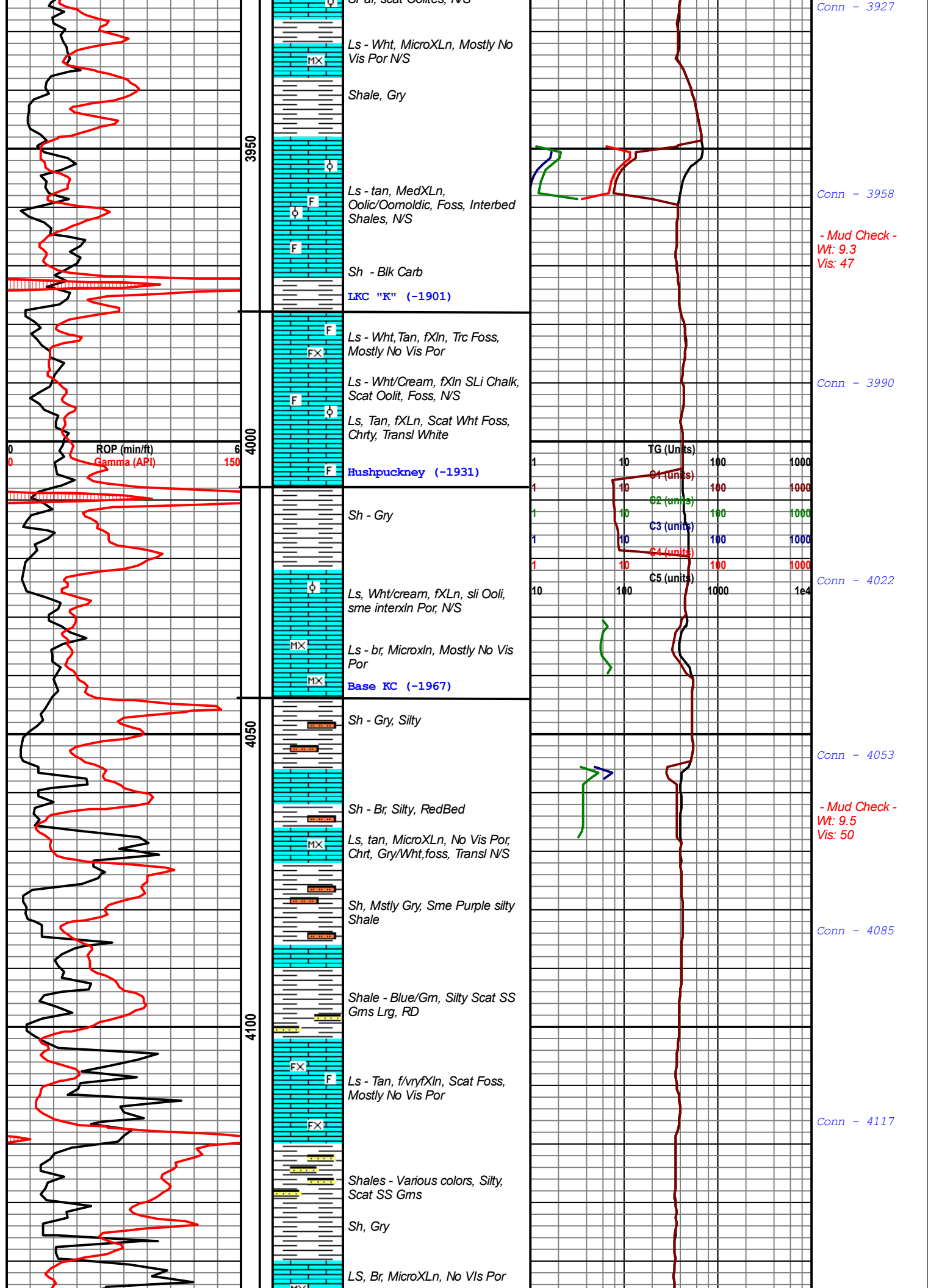
C1 (units)

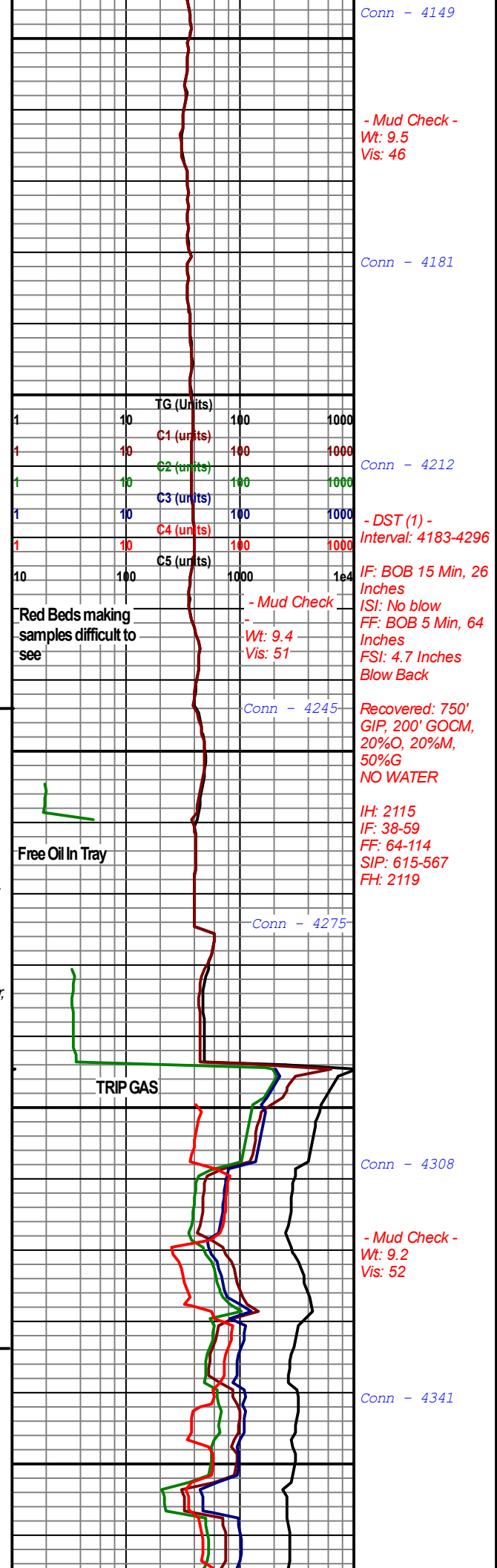
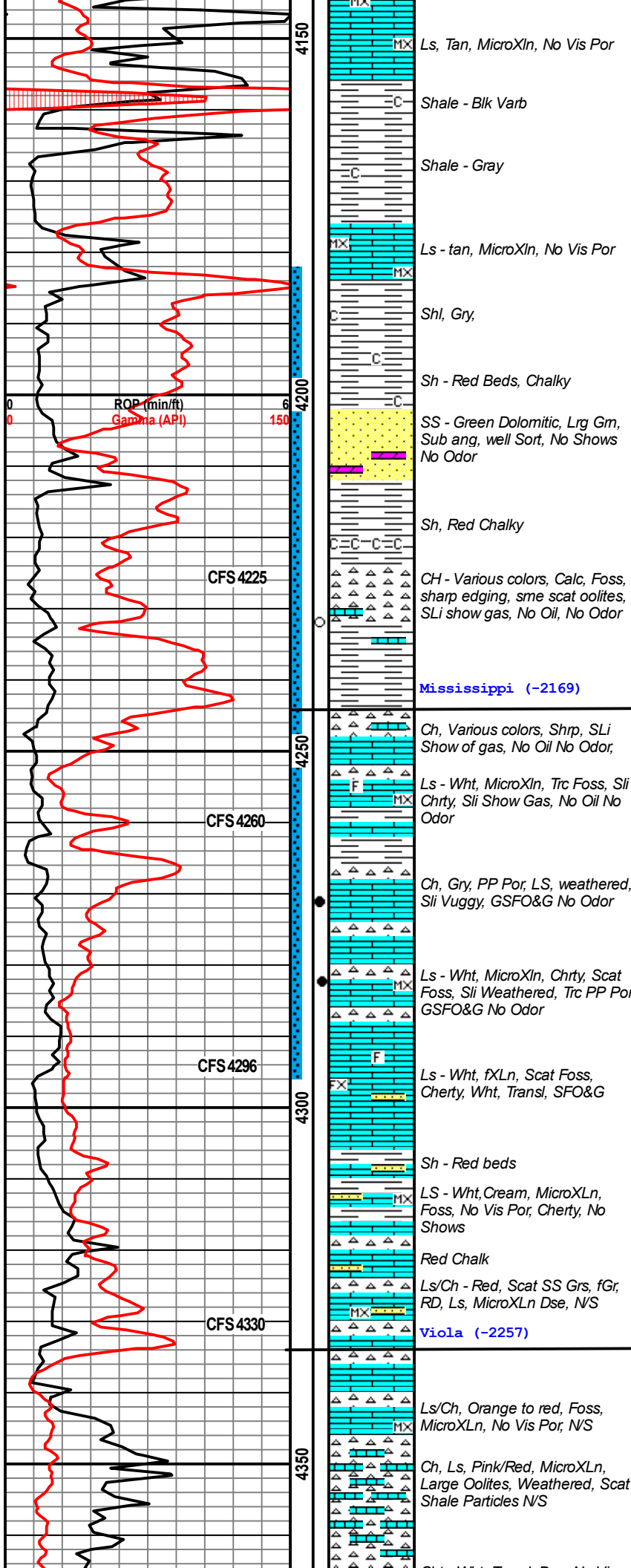
C2 (units)

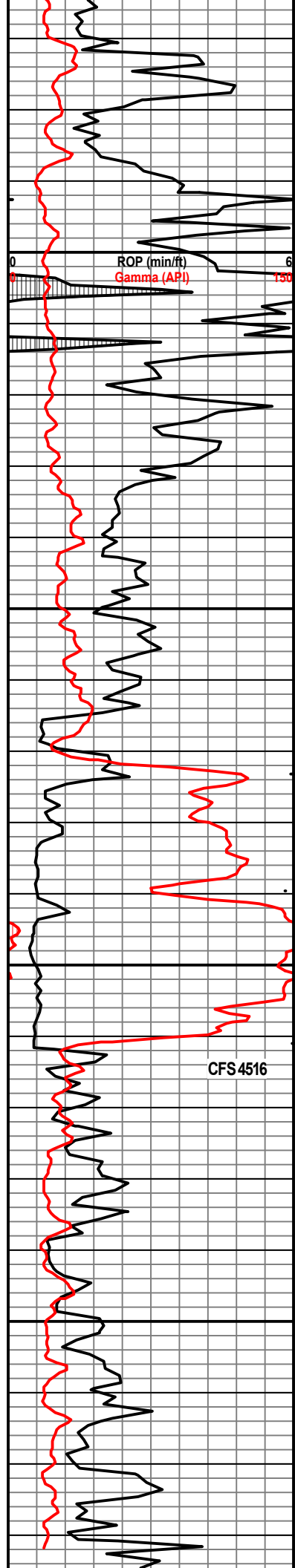
C3 (units)

C4 (units)

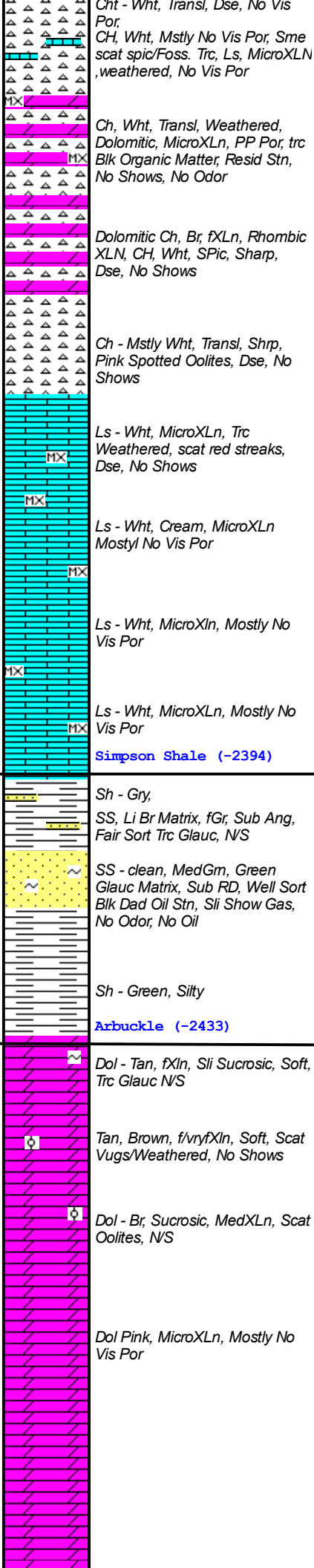
C5 (units)







CFS4516



Ch - Wht, Transl, Dse, No Vis Por,
CH, Wht, Mstly No Vis Por, Sme scat spic/Foss. Trc, Ls, MicroXLN, weathered, No Vis Por

Ch, Wht, Transl, Weathered, Dolomitic, MicroXLN, PP Por, trc Blk Organic Matter, Resid Stn, No Shows, No Odor

Dolomitic Ch, Br, fXLN, Rhombic XLN, CH, Wht, SPic, Sharp, Dse, No Shows

Ch - Mstly Wht, Transl, Shrp, Pink Spotted Oolites, Dse, No Shows

Ls - Wht, MicroXLN, Trc Weathered, scat red streaks, Dse, No Shows

Ls - Wht, Cream, MicroXLN Mostyl No Vis Por

Ls - Wht, MicroXLN, Mostly No Vis Por

Ls - Wht, MicroXLN, Mostly No Vis Por

Simpson Shale (-2394)

Sh - Gry, SS, Li Br Matrix, fGr, Sub Ang, Fair Sort Trc Glauc, N/S

SS - clean, MedGm, Green Glauc Matrix, Sub RD, Well Sort Blk Dad Oil Stn, Sli Show Gas, No Odor, No Oil

Sh - Green, Silty

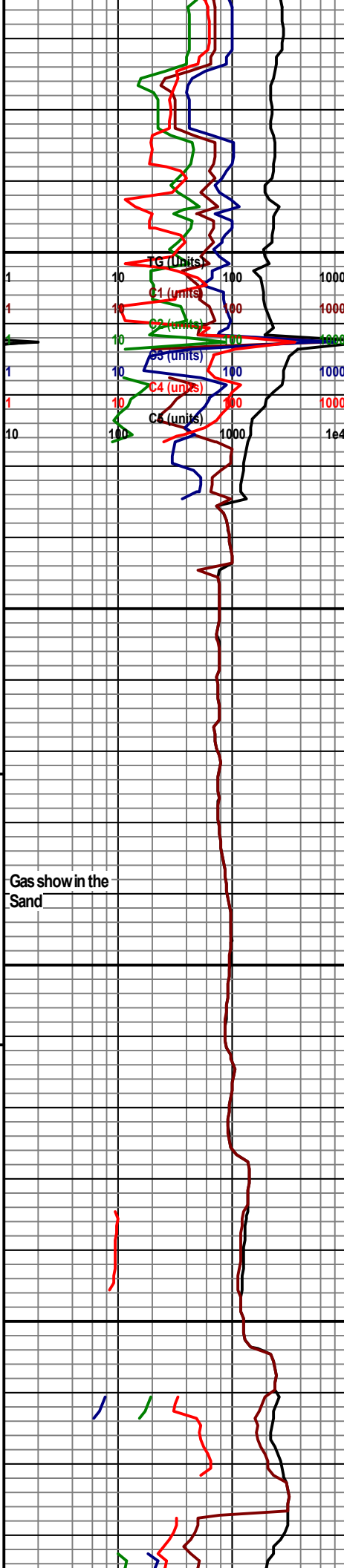
Arbuckle (-2433)

Dol - Tan, fXLN, Sli Sucrosic, Soft, Trc Glauc N/S

Tan, Brown, f/vryfXLN, Soft, Scat Vugs/Weathered, No Shows

Dol - Br, Sucrosic, MedXLN, Scat Oolites, N/S

Dol Pink, MicroXLN, Mostly No Vis Por



Conn - 4373

- Mud Check -
Wt: 9.5
Vis: 46

Conn - 4403

Several 9 min/Ft -
Bi Trip

- Mud Check -
Wt: 9.1
Vis: 51

Conn - 4435

Conn - 4466

Gas show in the
Sand

Conn - 4498

Conn - 4529

- Mud Check -
Wt: 9.3
Vis: 50

Conn - 4561

- Mud Check -
Wt: 9.4
Vis: 48



Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
NEC OPERATING KANSAS LLC
538 SILICON DRIVE
SOUTHLAKE, TX 76092

Invoice Date: 2/9/2024
Invoice #: 0374268
Lease Name: Marie Antoinette
Well #: A-1 (New)
County: Pawnee, Ks
Job Number: WP5106
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-CON	235.000	25.000	5,875.00
H-325	225.000	22.500	5,062.50
8 5/8" Flapper insert valve	1.000	375.000	375.00
8 5/8" Top rubber plug	1.000	175.000	175.00
8 5/8" Centralizer x 12 1/4"	3.000	100.000	300.00
Light Eq Mileage	60.000	2.000	120.00
Heavy Eq Mileage	120.000	4.000	480.00
Ton Mileage	1,299.000	1.500	1,948.50
Cement Blending & Mixing	455.000	1.400	637.00
Depth Charge 501'-1000'	1.000	1,250.000	1,250.00
Cement Data Acquisition	1.000	250.000	250.00
Cement Plug Container	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

Total 16,998.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

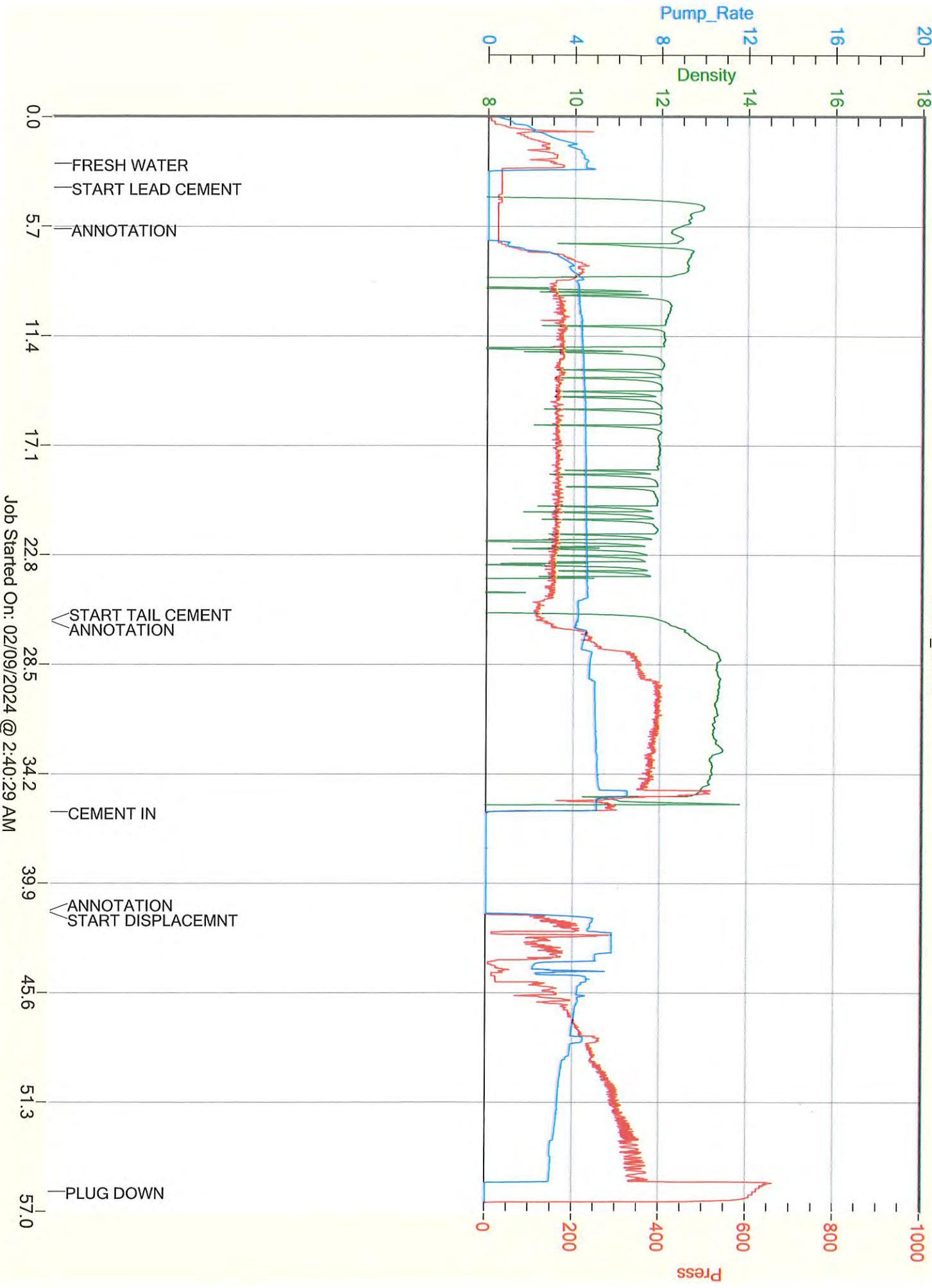
WE APPRECIATE YOUR BUSINESS!



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.

ftv: 15-2021/01/25
mply: 440-2023/11/20

NEC of Kansas surface
WELL_NAME



Job Started On: 02/09/2024 @ 2:40:29 AM