

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	SWEET OLIVIA 1
Doc ID	1713444

All Electric Logs Run

ARRAY COMPENSATED TRUE RESISTIVITY LOG 1
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5
BOREHOLE COMPENSATED SONIC ARRAY LOG
BOREHOLE PROPERTIES CALIPER PLOT (5.5 CASING)
MICROLOG
QUAD
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	SWEET OLIVIA 1
Doc ID	1713444

Tops

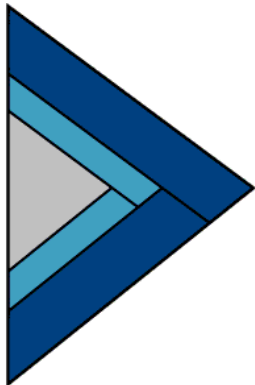
Name	Top	Datum
Heebner	3872	.
Lansing	3926	.
Dennis	4239	.
Swope	4310	.
Hertha	4349	.
Exline	4393	.
Marmaton	4460	.
Altamont	4486	.
Pawnee	4539	.
Ft Scott	4568	.
Cherokee	4592	.
Atoka	4748	.
Morrow	4798	.
Chester	4879	.
St Genevieve	4916	.

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Operator	Merit Energy Company, LLC
Well Name	SWEET OLIVIA 1
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	122	Class A	195	See Attached
Surface	12.25	8.625	24	1791	Class A	690	See Attached
Production	7.875	5.5	17	5063	Class A	170	See Attached

Décollement Consulting Inc.



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

Well Name: Olivia 1
API: 15-055-225730000
Location: 11-T25S-R33W 2027 FEL, 1236 FSL
License Number:
Spud Date: 1/15/2023
Surface Coordinates: Lat 37.8912410, Long -100.9086241
Region: Wildcat
Drilling Completed:

Bottom Hole
Coordinates:
Ground Elevation (ft): 2907
Logged Interval (ft): 3750 To: K.B. Elevation (ft): 2919
Formation: Primary: Marrow, Secondary: Ft Scott, Pawnee, Cherokee
Type of Drilling Fluid: Water Based Mud

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

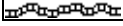
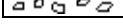
OPERATOR

Company: Merit Energy Company
Address: 13727 Noel Rd., Suite 1200
Dallas ,TX 75240

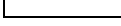
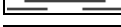
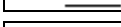
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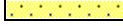
Name: Todd Nakata
Company: Decollement Consulting, Inc.
Address: 13300 Braun Rd.
Golden, CO 80401

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal

 Congl
 Dol
 Gyp
 Igne
 Lmst
 Meta

 Mrlst
 Salt
 Sh rdbrn
 Shale
 Shcol
 Shgy

 Sltst
 Ss
 Till

MINERAL

Anhy

Arggrn

Arg

Bent

Bit

Brecfrag

Calc

Carb

Chtdk

Chtl

Dol

Feldspar

Ferrpel

Ferr

Glau

Gyp

Hvmin

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

POROSITY

Earthy

Fenest

Fracture

Inter

Moldic

Organic

Pinpoint

Vuggy

SORTING

Well

Moderate

Poor

ROUNDING

Rounded

Subrnd

Subang

OTHER SYMBOLS

Angular

OIL SHOW

Even

Spotted

Ques

Dead

INTERVAL

Core

Dst

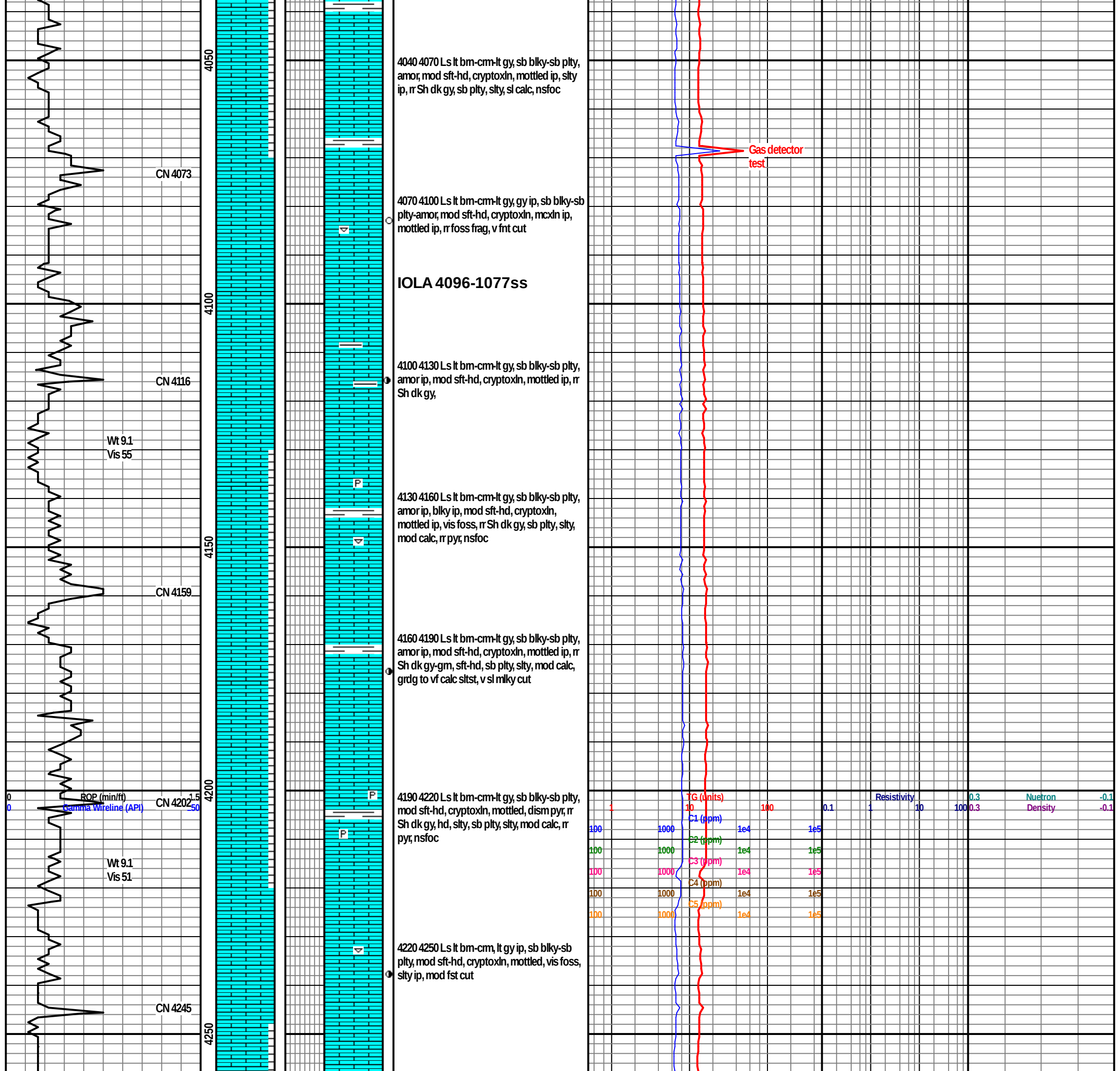
EVENT

Rft

Sidewall

New symbol

Curve Track 1			MD	Lithology	Porosity	Lithology	Oil Shows	Geological Descriptions	TG,C1-C5					Resistivity			Neutron/Density	
ROP (min/ft)	Gamma Wireline (API)	TG (units)							C1 (ppm)	C2 (ppm)	C3 (ppm)	C4 (ppm)	C5 (ppm)	Resistivity	Neutron	Density		
0	150	37						Merit Energy Company Kearny, KS API No. 15-055-22573	Terra SLS Gas Chromatograph	100	0.1	1	10	100	0.3	-0.1		
0	150								1% TG = 100 units; 1 unit =100 ppm									
									FG Formation Gas	1e4	1e5							
									CG Connection Gas	1e4	1e5							
									BG Background Gas	1e4	1e5							
									TG Trip Gas	1e4	1e5							
									SG Survey Gas	1e4	1e5							
									DTG Downtime Gas	1e4	1e5							
									SWAB Pull Off Bottom Gas	1e4	1e5							
									UCG Up Hole Connection Gas									
									Drilling Fluid: Water based									
									Directional: N/A (Vertical)									
									Drilling: Unit: Edge 12									
0	150	3800							TG (units)	100	0.1	1	10	100	0.3	-0.1		
0	150								C1 (ppm)	1e4	1e5							
									C2 (ppm)	1e4	1e5							
									C3 (ppm)	1e4	1e5							
									100	1000	1000	1000	1000	1000	1000	1000		
									Decollement Onsite									
									1/15/2023 Rigged Up									
									on 1/15/2023.									
									Logging began at									
									Bit # 2									
									PDC									



4040 4070 Ls lt bm-cm-lt gy, sb blk-y-sb plty, amor, mod sft-hd, cryptoxln, mottled ip, slty ip, r Sh dk gy, sb plty, slty, sl calc, nsfoc

4070 4100 Ls lt bm-cm-lt gy, gy ip, sb blk-y-sb plty-amor, mod sft-hd, cryptoxln, mcxln ip, mottled ip, rr foss frag, v fnt cut

IOLA 4096-1077ss

4100 4130 Ls lt bm-cm-lt gy, sb blk-y-sb plty, amor ip, mod sft-hd, cryptoxln, mottled ip, rr Sh dk gy,

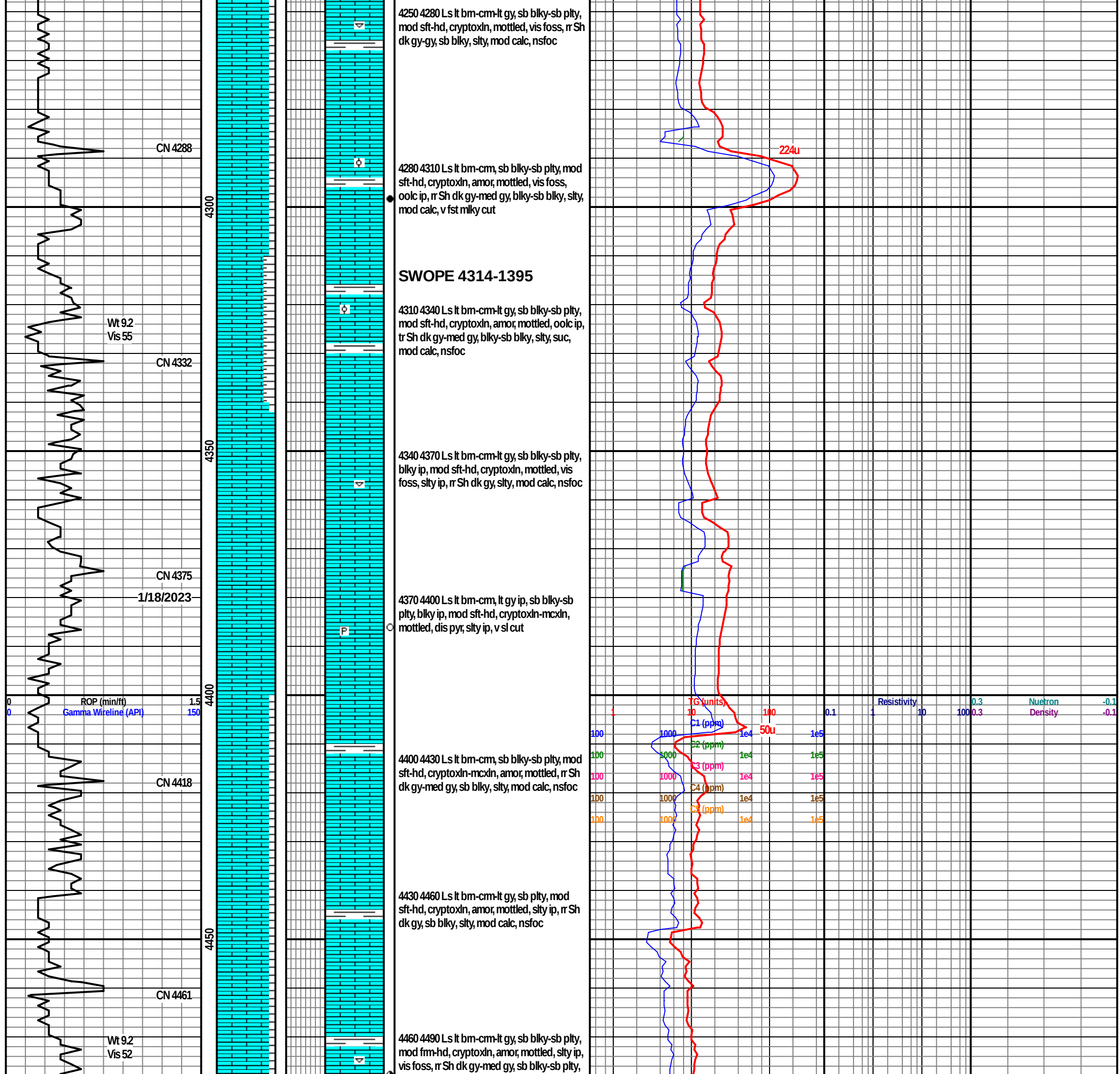
4130 4160 Ls lt bm-cm-lt gy, sb blk-y-sb plty, amor ip, blk-y ip, mod sft-hd, cryptoxln, mottled ip, vis foss, rr Sh dk gy, sb plty, slty, mod calc, rr pyr, nsfoc

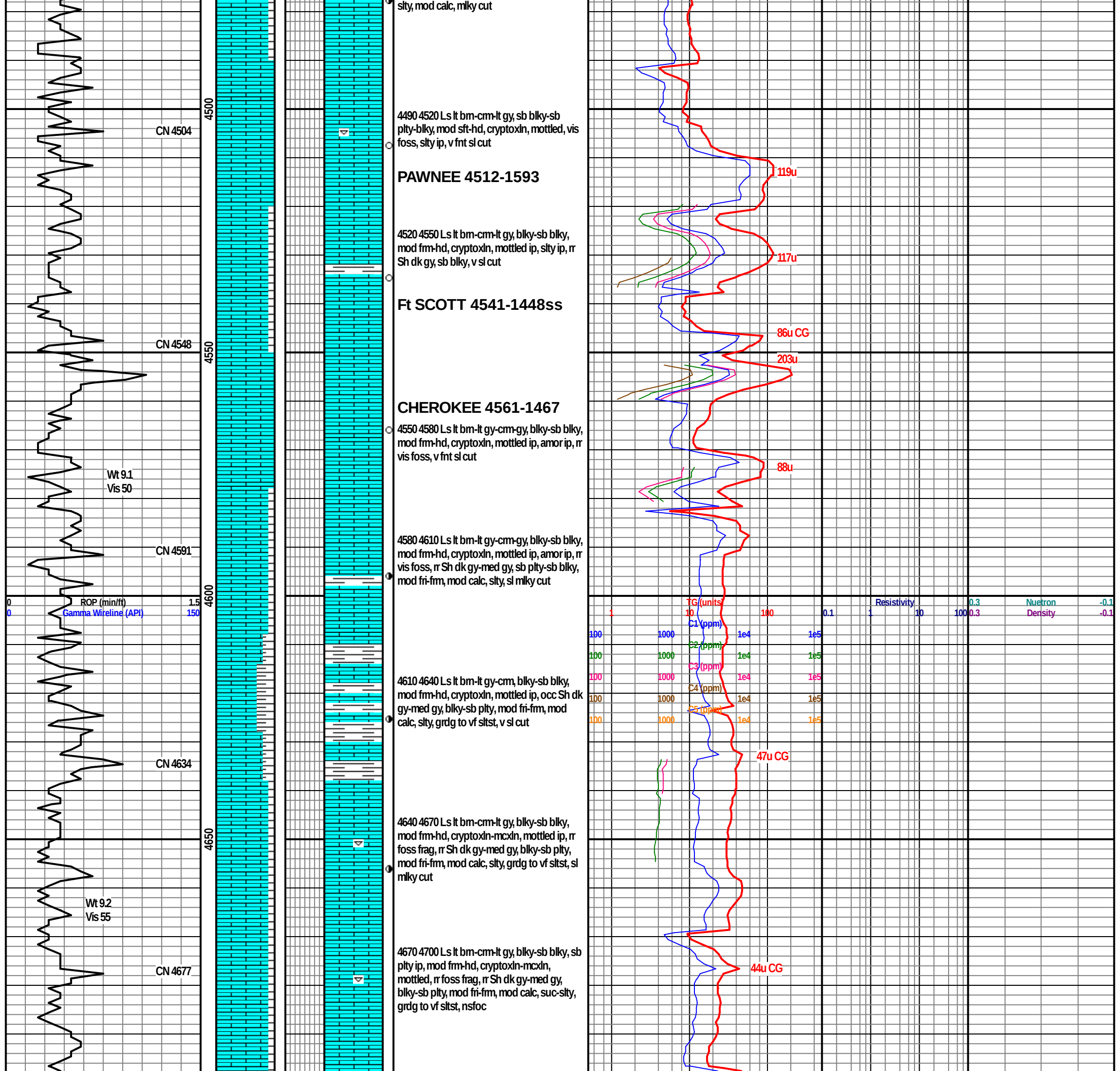
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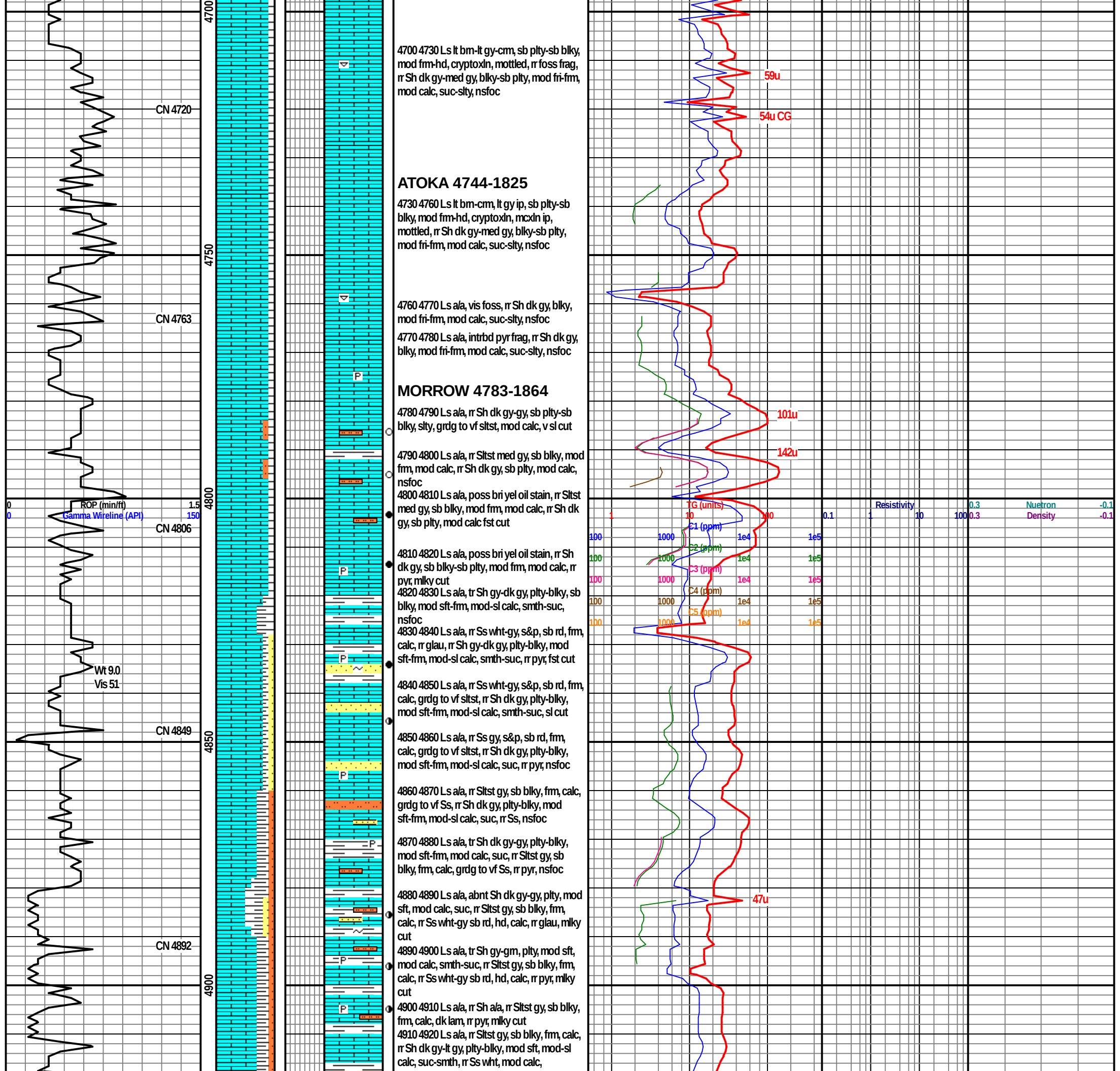
4190 4220 Ls lt bm-cm-lt gy, sb blk-y-sb plty, mod sft-hd, cryptoxln, mottled, dism pyr, rr Sh dk gy, hd, slty, sb plty, slty, mod calc, rr pyr, nsfoc

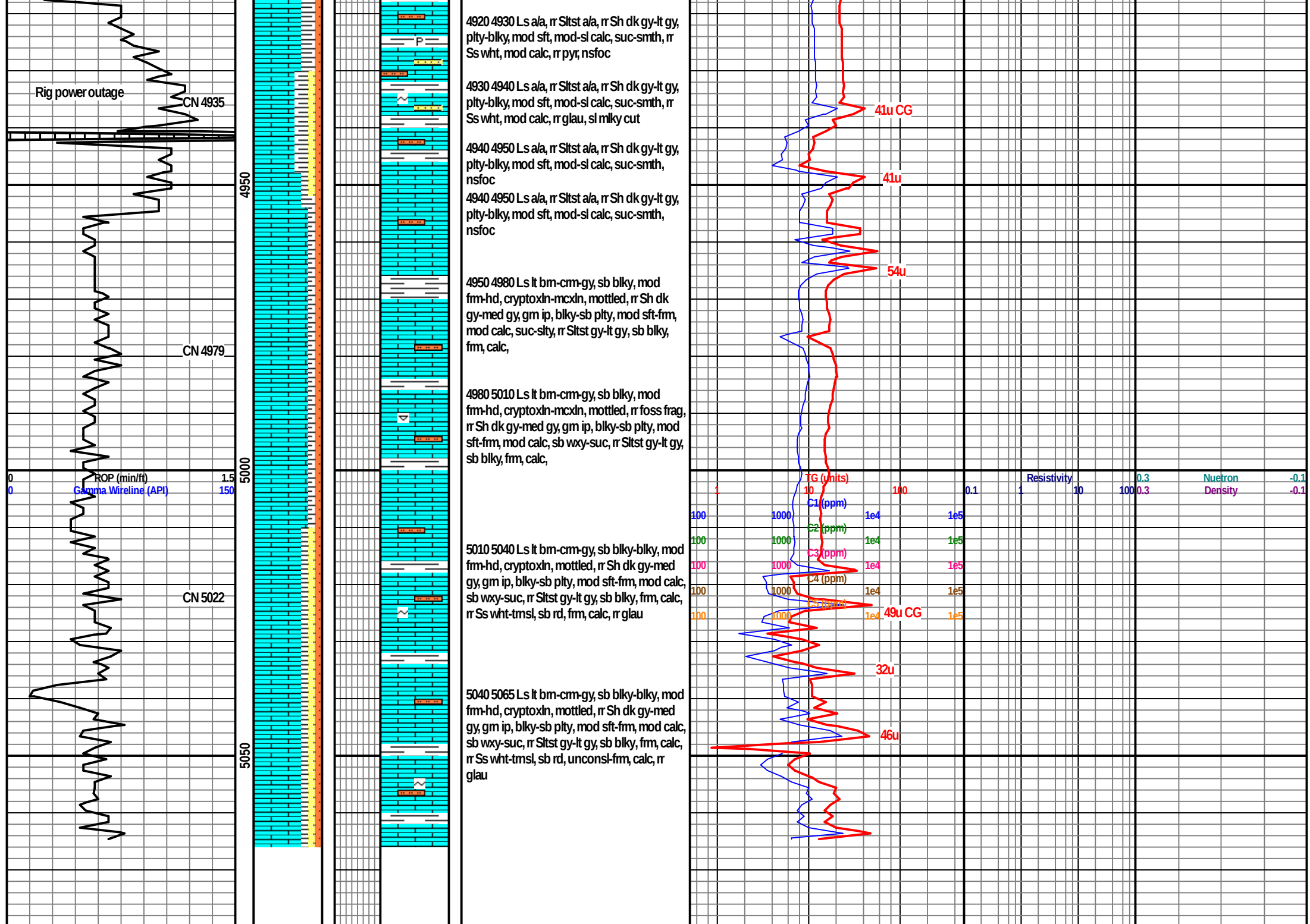
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Gas detector test

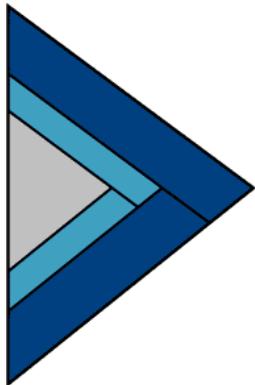








Décollement Consulting Inc.



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

Well Name: Sweet Olivia 1
API: 15-055-225730000
Location: 11-T25S-R33W 2027 FEL, 1236 FSL
License Number:
Spud Date: 1/15/2023
Surface Coordinates: Lat 37.8912410, Long -100.9086241
Region: Wildcat
Drilling Completed: 1/18/2023

Bottom Hole
Coordinates:
Ground Elevation (ft): 2907 K.B. Elevation (ft): 2919
Logged Interval (ft): 3750 To: 5065 Total Depth (ft): 5065
Formation: Primary: Marrow, Secondary: Ft Scott, Pawnee, Cherokee
Type of Drilling Fluid: Water Based Mud
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

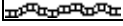
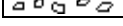
OPERATOR

Company: Merit Energy Company
Address: 13727 Noel Rd., Suite 1200
Dallas ,TX 75240

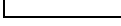
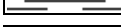
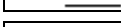
GEOLOGIST

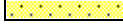
Name: Todd Nakata
Company: Decollement Consulting, Inc.
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ROCK TYPES

 Anhy
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 Coal

 Congl
 Dol
 Gyp
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 Lmst
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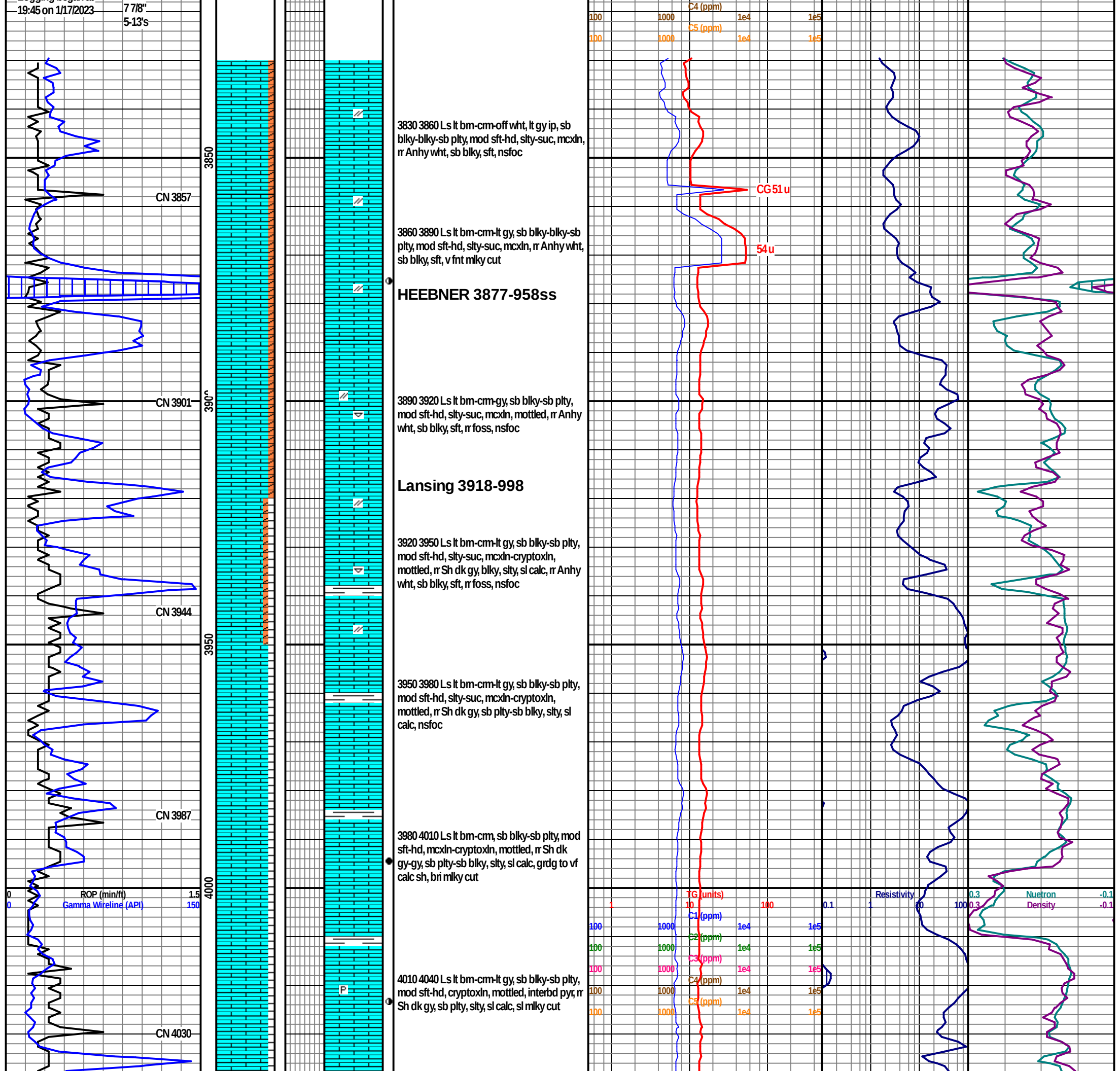
 Mrlst
 Salt
 Sh rdbrn
 Shale
 Shcol
 Shgy

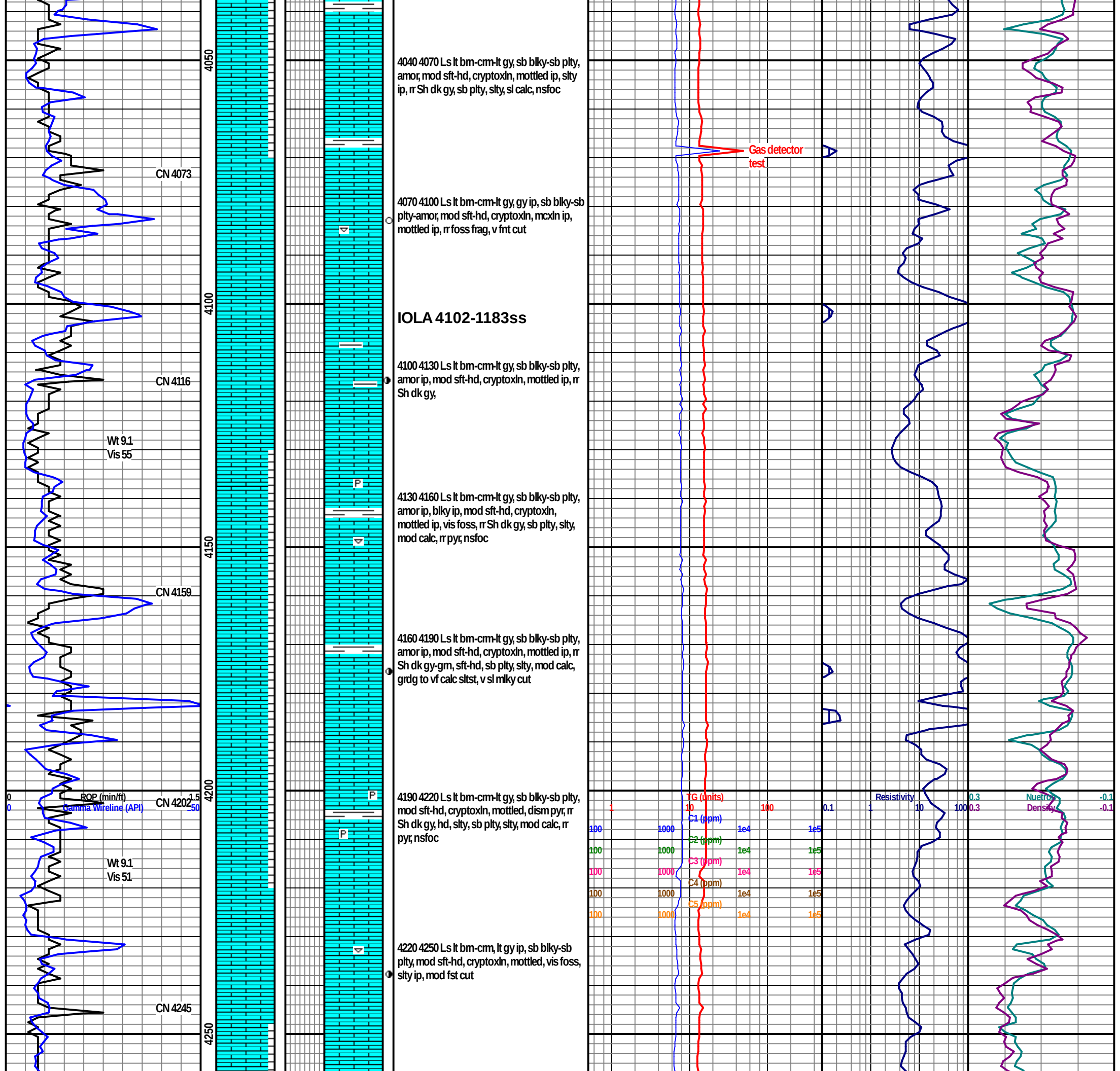
 Sltst
 Ss
 Till

MINERAL			ACCESSORIES					
	Anhy			Crin			Gyp	
	Arggrn			Echin			Ls	
	Arg			Fish			Mrst	
	Bent			Foram			Sltstrg	
	Bit			Fossil			Ssstrg	
	Brecfrag			Gastro		TEXTURE		
	Calc			Oolite			Boundst	
	Carb			Ostra			Chalky	
	Chtdk			Pelec			Cryxln	
	Chtlt			Pellet			Earthy	
	Dol			Pisolite			Finexln	
	Feldspar			Plant			Grainst	
	Ferrpel			Strom			Lithogr	
	Ferr		STRINGER				Microxln	
	Glau			Anhy			Mudst	
	Gyp			Arg			Packst	
	Hvymin			Bent			Wackest	
	Kaol			Coal				
	Marl			Dol				
				Minxl				
				Nodule				
				Phos				
				Pyr				
				Salt				
				Sandy				
				Silt				
				Sil				
				Sulphur				
				Tuff				
			FOSSIL					
				Algae				
				Amph				
				Belm				
				Bioclst				
				Brach				
				Bryozoa				
				Cephal				
				Coral				

POROSITY		OTHER SYMBOLS		INTERVAL	
	Earthy		Angular		Core
	Fenest		Well		Dst
	Moderate		OIL SHOW		Rft
	Poor		Even		Sidewall
	Inter		Spotted		New symbol
	Moldic		Ques		
	Organic		Dead		
	Pinpoint				
	Vuggy				
ROUNDING					
	Rounded				
	Subrnd				
	Subang				

Curve Track 1			MD	% Lithology	Porosity Type	Porosity	Lithology	Oil Shows	Geological Descriptions	TG,C1-C5				Resistivity				Neutron/Density			
ROP (min/ft)										TG (units)				Resistivity				Neutron			
Gamma Wireline (API)										C1 (ppm)					Density						
										C2 (ppm)											
										C3 (ppm)											
										C4 (ppm)											
										C5 (ppm)											
0	ROP (min/ft)	1.5	37						Merit Energy Company Kearny, KS API No. 15-055-22573	Terra SLS Gas Chromatograph	100	0.1	1	10	100	0.3	Neutron	-0.1			
0	Gamma Wireline (API)	150								1% TG = 100 units; 1 unit =100 ppm											
	Start Logging 3750' on 1/17/2023									FG Formation Gas	1e4			1e5							
	Scale 5" = 100'									CG Connection Gas	1e4			1e5							
	Slide = Blue									BG Background Gas	1e4			1e5							
	Surface casing: 8 5/8" set to 1800'									TG Trip Gas	1000			1e4							
	MD									SG Survey Gas	1000			1e4							
										DTG Downtime Gas	1000			1e4							
										SWAB Pull Off Bottom Gas	1000			1e4							
										UCG Up Hole Connection Gas	1e4			1e5							
										Drilling Fluid: Water based											
										Directional: N/A (Vertical)											
										Drilling: Unit: Edge 12											
0	ROP (min/ft)	1.5	3800							TG (units)	100	0.1	1	10	100	0.3	Neutron	-0.1			
0	Gamma Wireline (API)	150								1	10										
	Decollement Onsite									C1 (ppm)	1e4			1e5							
	1/15/2023 Rigged Up									C2 (ppm)	1e4			1e5							
	on 1/15/2023.									C3 (ppm)	1e4			1e5							
	Logging began at	Bit # 2 PDC								C4 (ppm)	1e4			1e5							
										C5 (ppm)	1e4			1e5							





4040 4070 Ls lt bm-cm-lt gy, sb blk-y-sb plty, amor, mod sft-hd, cryptoxln, mottled ip, slty ip, r Sh dk gy, sb plty, slty, sl calc, nsfoc

4070 4100 Ls lt bm-cm-lt gy, gy ip, sb blk-y-sb plty-amor, mod sft-hd, cryptoxln, mcxln ip, mottled ip, r r foss frag, v fnt cut

IOLA 4102-1183ss

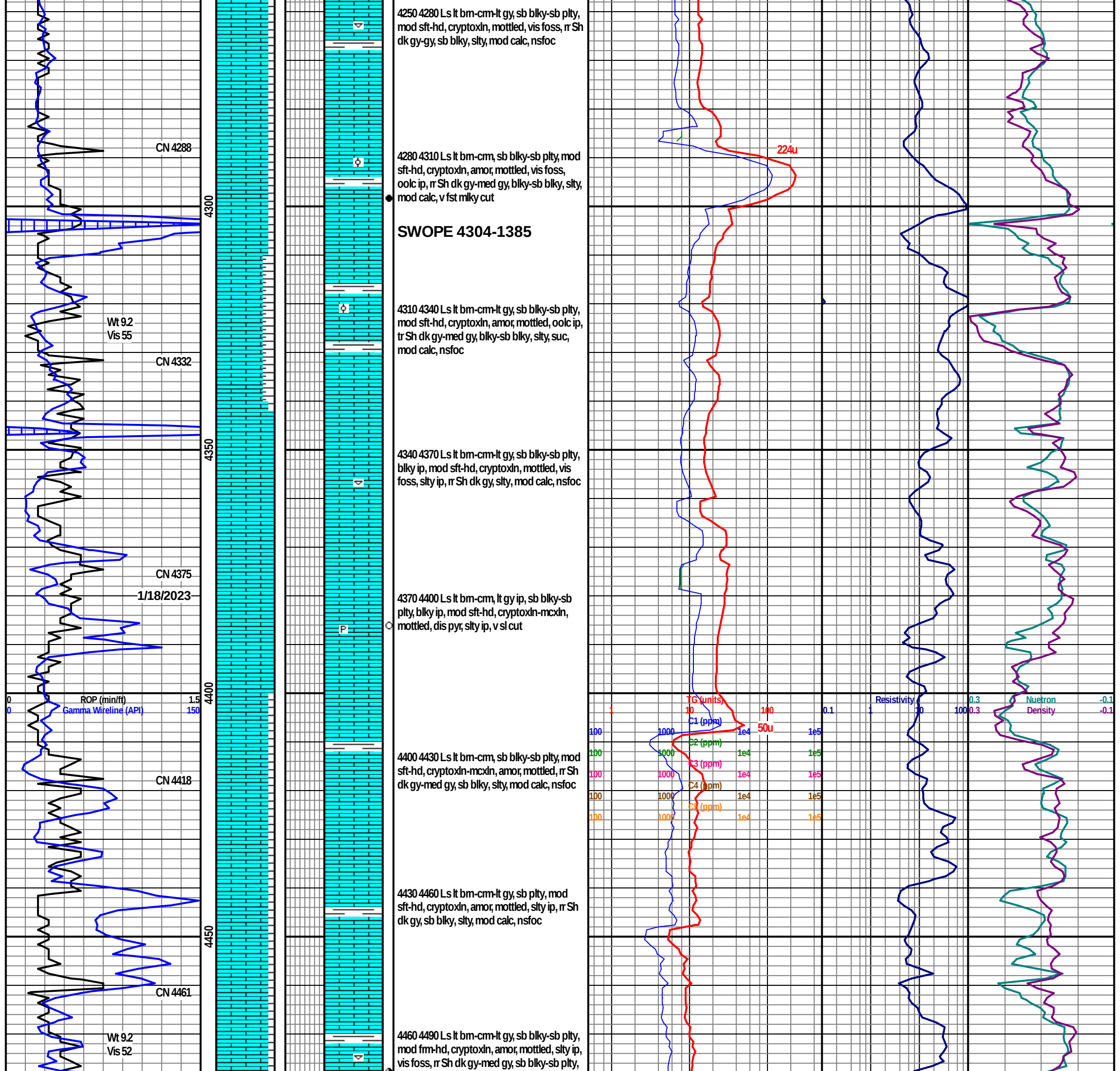
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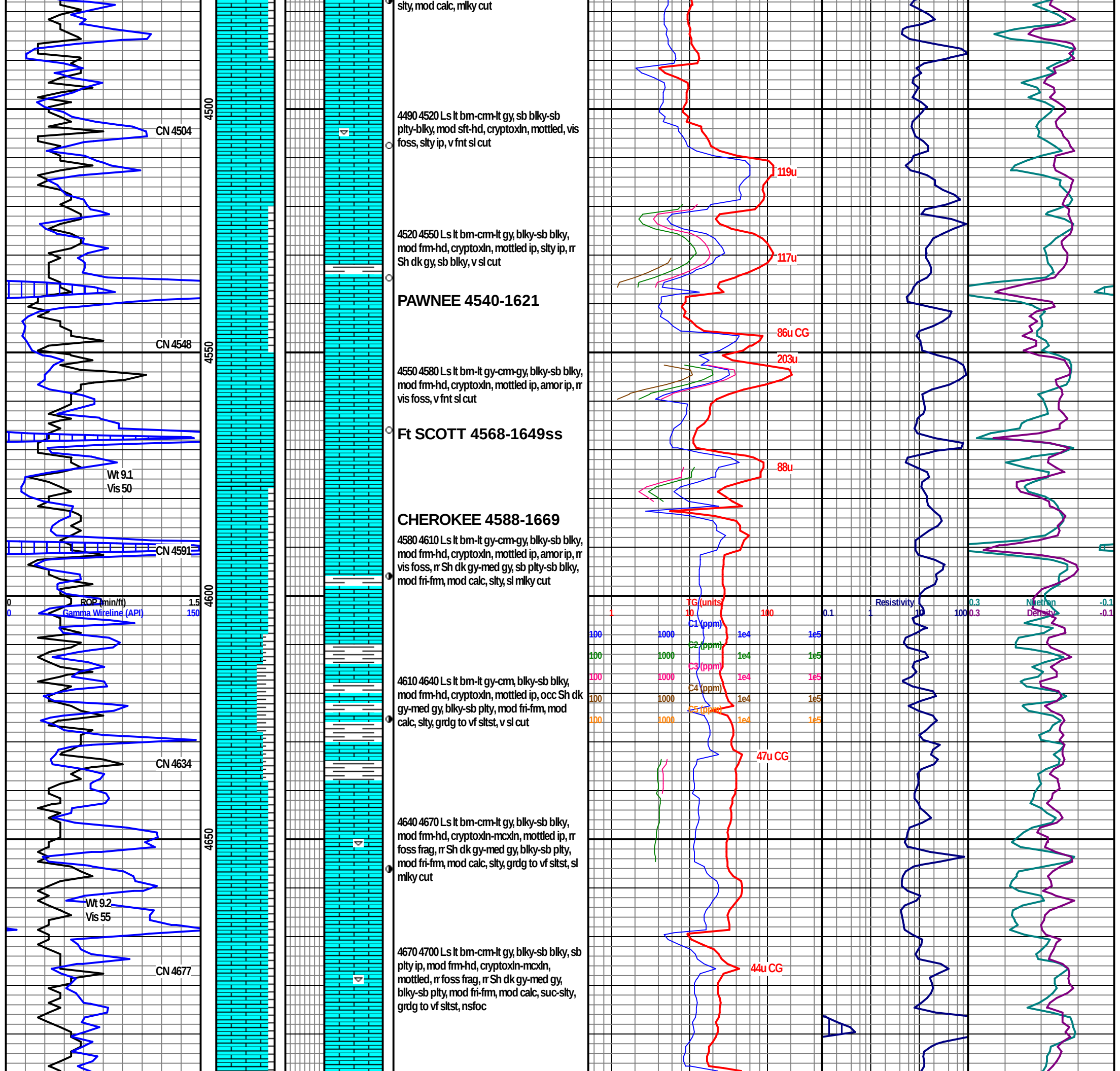
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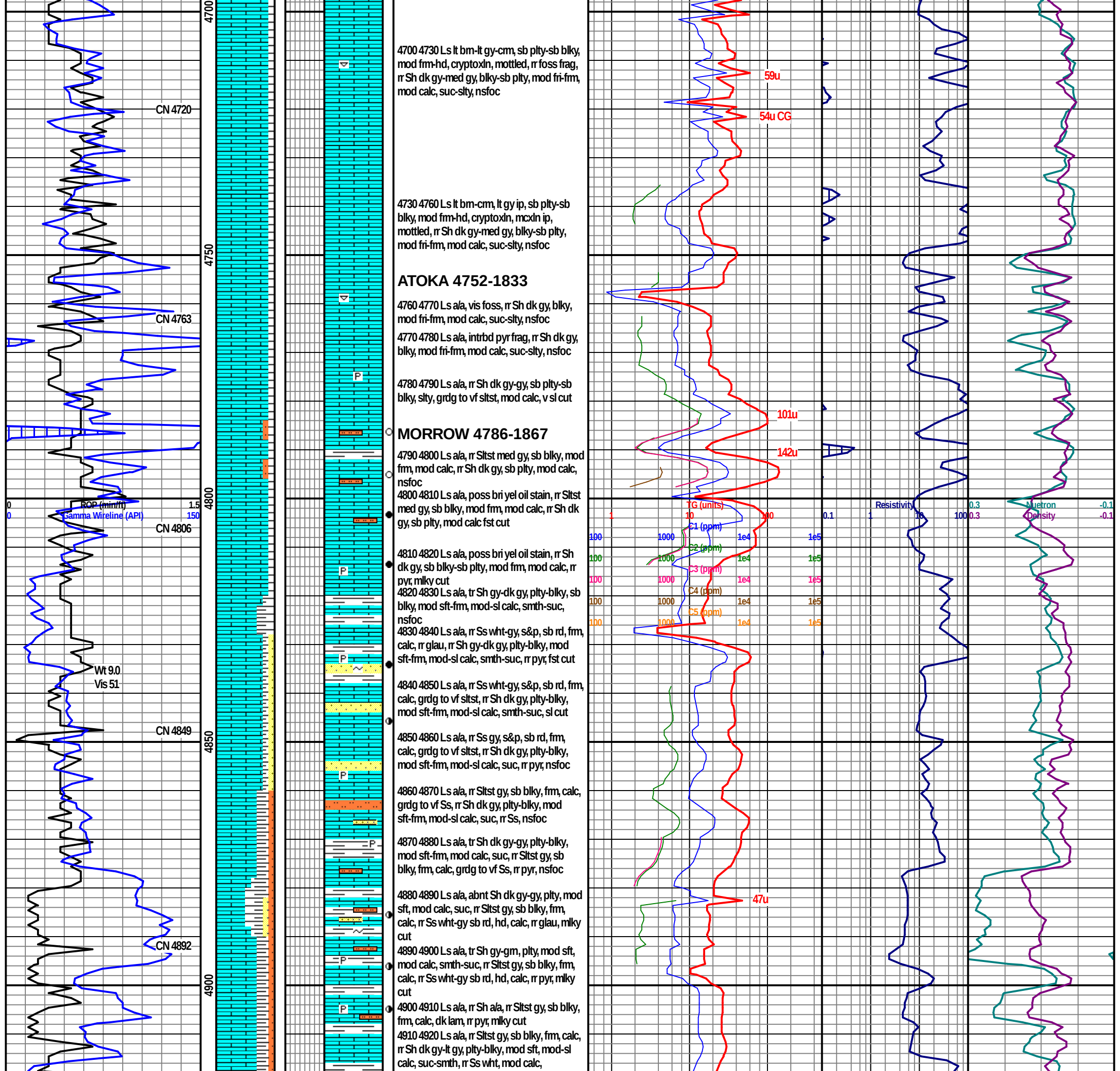
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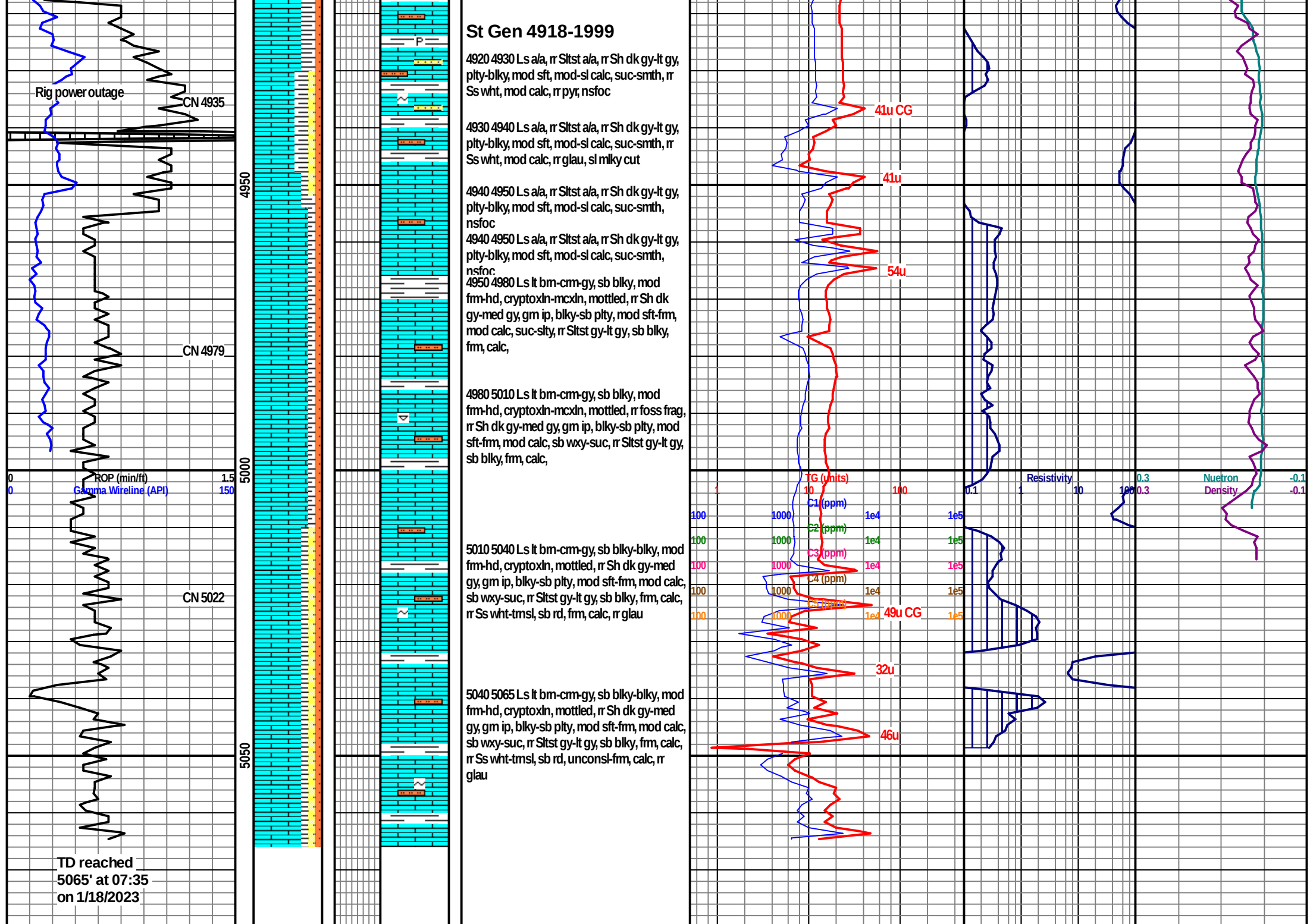
4190 4220 Ls lt bm-cm-lt gy, sb blk-y-sb plty, mod sft-hd, cryptoxln, mottled, dism pyr, r Sh dk gy, hd, slty, sb plty, slty, mod calc, r r pyr, nsfoc

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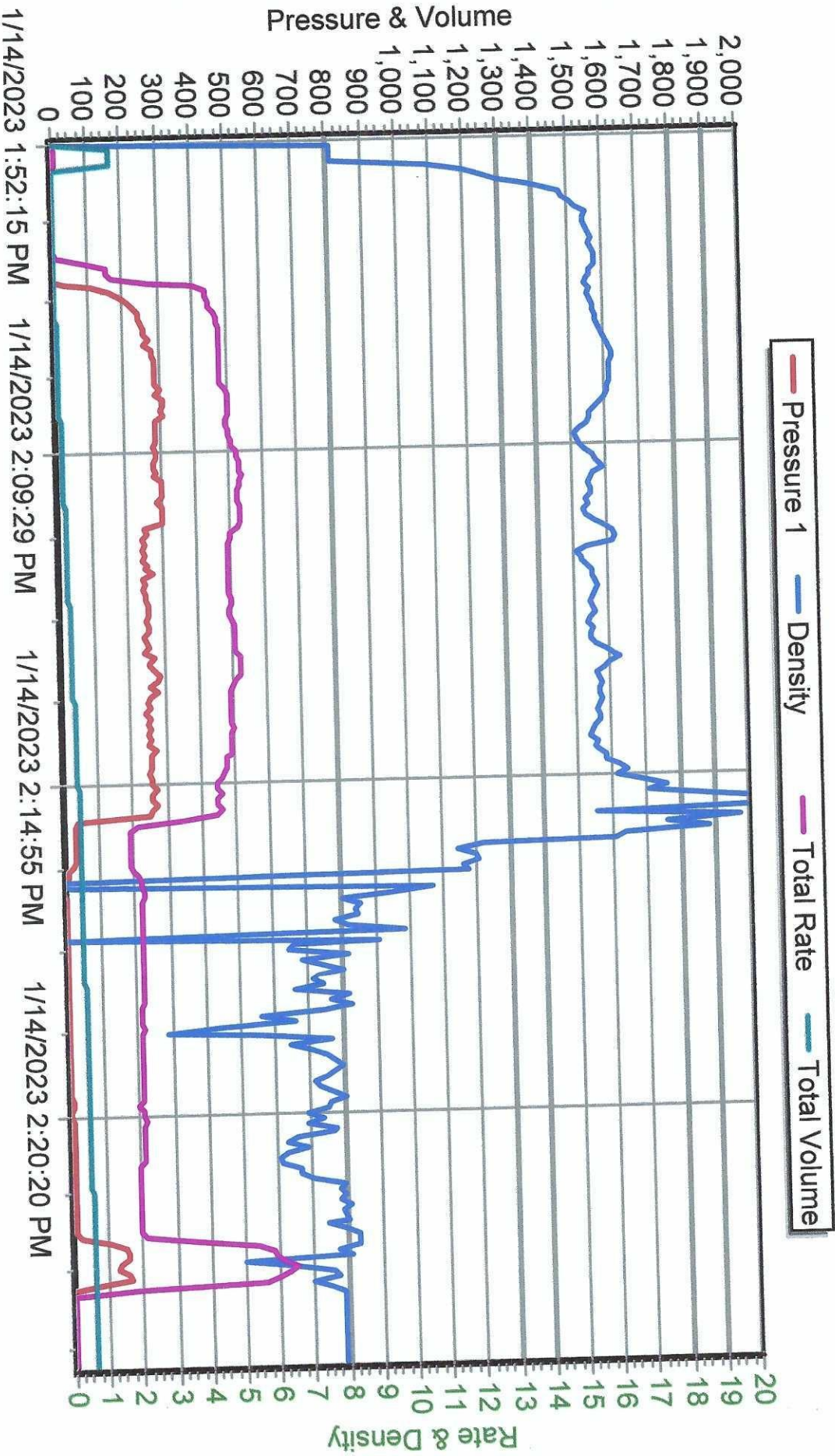








MERIT ENERGY COMPANY
SWEET OLIVIA #1
13.375" CONDUCTOR
01/14/2023



QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2N

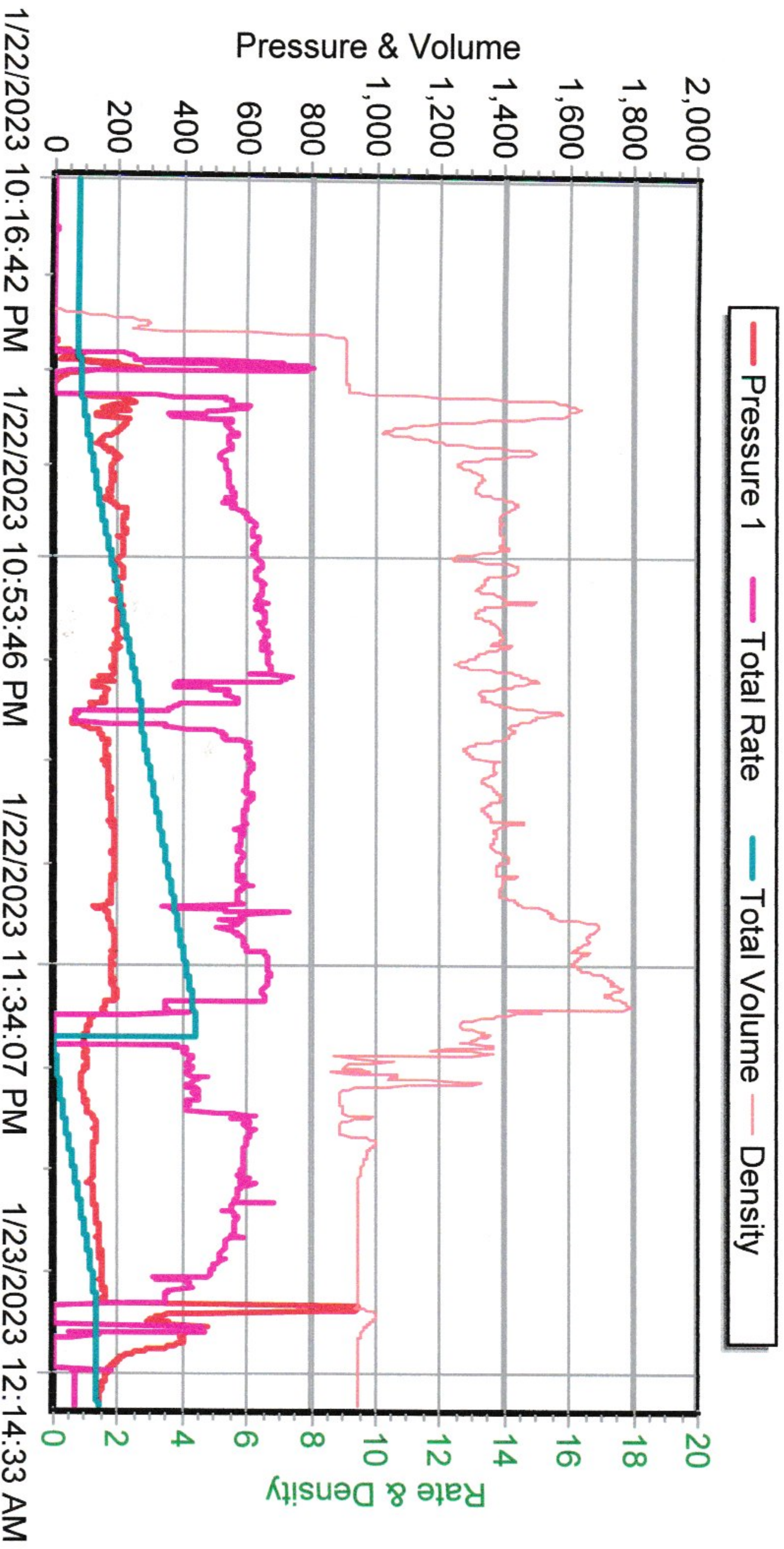
1/22/23

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: MERIT ENERGY COMPANY				Well Name: ANNA GRABER 17-1			
Type Job: SURFACE				AFE #: 0			
CASING DATA							
Size: 8 5/8		Grade: 0		Weight: 24			
Casing Depths		Top: 0		Bottom: 42.16			
Drill Pipe:		Size: 0		Weight: 0			
Tubing:		Size: 0		Weight: 0		Grade: 0 TD (ft): 1879	
Open Hole:		Size: 12 1/4		T.D. (ft): 1879			
Perforations		From (ft): 0		To: 0		Packer Depth(ft): 0	
CEMENT DATA							
Spacer Type:							
Amt.		Sks Yield		ft ³ /sk		Density (PPG)	
LEAD:		CLASS A 2%GY 2%SMS 2%CC 1/4# CELLFLAKE				Excess	
Amt.	500	Sks Yield	2.39	ft ³ /sk	1195	Density (PPG)	12.1
TAIL:		CLASS A 2%CC 1/4# CELLFLAKE				Excess	
Amt.	185	Sks Yield	1.19	ft ³ /sk	220.15	Density (PPG)	15.6
WATER:							
Lead:		gals/sk:		Tail:		gals/sk:	
Total (bbls):							
Pump Trucks Used:							
Bulk Equipment:							
Disp. Fluid Type:		H2O		Amt. (Bbls.)		116.56 Weight (PPG): 8.33	
Mud Type:						Weight (PPG):	
COMPANY REPRESENTATIVE:				CEMENTER: ANGEL ECHEVARRIA			
TIME		PRESSURES PSI		FLUID PUMPED DATA		REMARKS	
AM/PM		Casing	Tubing	ANNULUS	TOTAL	RATE	
1600							ON LOCATION - RIG UP - SAFETY MEETING
2239							PRESSURE TEST LINES TO 2500PSI
		250			212.8	6	PUMP LEAD 500SX @ 12.12#
		200			39.2	6	PUMP TAIL 185SX @ 15.6#
							SHUT DOWN - DROP PLUG
2340		370			116.5	6	DISPALCE W/ H2O
0009							LAND PLUG
							PRESSURE ON PLUG - RELEASE BACK
							FLOAT DIDN'T HELD-CEMENT TO SURFACE
							CLOSE IN HEAD W/ 370PSI
							RIG DOWN
							JOB COMPLETED
							THANK YOU

ANNA GRABER 17-1





QUASAR ENERGY SERVICES, INC.

3288 FM 51
Gainesville, Texas 76240
Office: 940-612-3336
Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2N.2

1/19/23

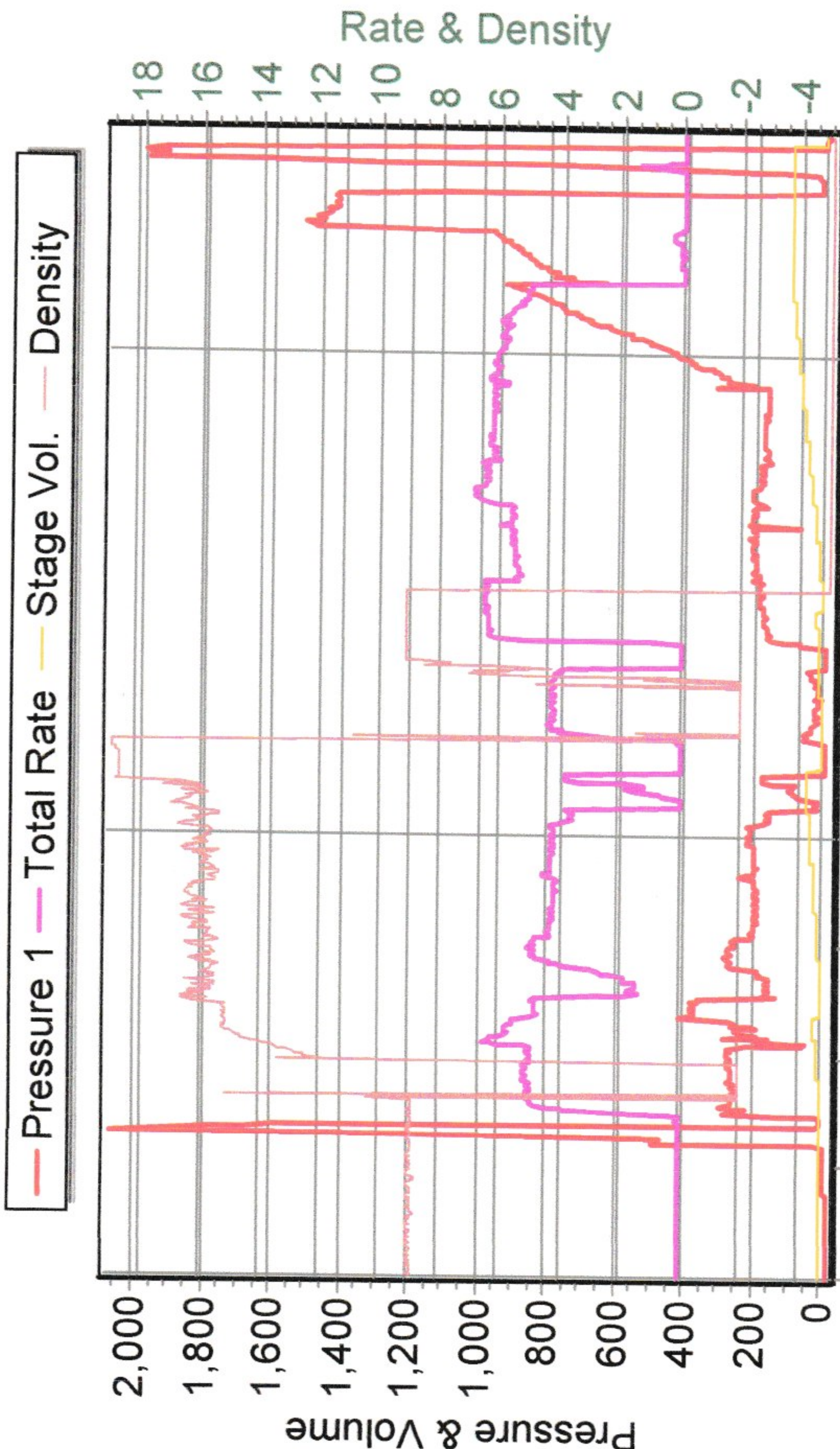
CEMENTING JOB LOG

CEMENTING JOB LOG

Company: Merit Energy Company				Well Name: Sweet Olivia #1			
Type Job: LONG STRING				AFE #: 71568			
CASING DATA							
Size: 5 1/2		Grade:		Weight:		15.5	
Casing Depths		Top:		Bottom:			
Drill Pipe:		Size:		Weight:		Depth:	
Open Hole:		Size: 7 7/8		T.D. (ft):		Hole:	
CEMENT DATA							
Spacer Type:		5BBL H2O, 10BBL MUD FLUSH, 5BBL H2O					
Amt.		Sks Yield	0	ft ³ /sk		Density (PPG)	
LEAD:						Excess	
Amt.		Sks Yield	0	ft ³ /sk		Density (PPG)	
TAIL: Class A: 2% Gel, 6% Gyp., 2#/sk Tactical Blitzz, .5% C-17, 2% CC., 1/4# Celloflake, 10% Salt						Excess	
Amt.	170	Sks Yield	256.7	ft ³ /sk	1.51	Density (PPG)	14.8
WATER:							
Lead:		gals/sk:		Tail:	170	gals/sk:	7.1
Pump Trucks Used:		04, DP03					
Bulk Equipment:		227, 660-25 / 189, 660-21					
Disp. Fluid Type:		Water 7% KCL		Amt. (Bbls.)	119.4	Weight (PPG):	8.3
COMPANY REPRESENTATIVE:				CEMENTER: Daniel Beck			
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS	
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE		
8:15						ON LOCATION & SAFETY MEETING	
8:20						RIG TO PT	
8:58						PRESSURE TEST TO 2000PSI	
8:59	400			20	4.0	PUMP 20BBL SPACER	
9:04	400			45.7slurry	5.4	PUMP 170SX TAIL @ 14.8#	
9:16						SHUTDOWN / DROP PLUG /WP	
9:23	300			10 Thru 70	6.3	DISPLACE	
	400			80	6.3		
	520			90	6.2		
	800			100	5.9		
9:41	1000			109	5.0	SLOW RATE TO 2.0BPM @ 900PSI	
	900			110	2.0		
9:44	1050			119.4	2.0	LAND PLUG PRESSURE UP TO 2000PSI	
9:46						RELEASE BACK --- FLOAT HELD	
						JOB COMPLETE	
Company:	Merit Energy Company			Well Name:		Sweet Olivia #1	
Type Job:	LONG STRING			AFE #:		71568	
Date:	1/19/2023 CEMENTING JOB LOG			QUASAR ENERGY SERVICES, INC. 185-2			

Merit Energy Company

Sweet Olivia #1



1/19/2023 8:50:40 AM 1/19/2023 9:13:08 AM 1/19/2023 9:37:38 AM