

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	TAIT 1-27
Doc ID	1855209

All Electric Logs Run

ARRAY INDUCTINO GAMMA RAY
BOREHOLE PROFILE GAMMA RAY
COMPENSATED SONIC GAMMA RAY
COMPOSITE GAMMA RAY
DUAL NEUTRON PHOTO-DENSITY GAMMA RAY
MICRO-LOG GAMMA RAY

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Tops

Name	Top	Datum
Heebner	3877	.
Toronto	3896	.
Lansing	3974	.
Iola	4121	.
Drum	4173	.
Swope	4311	.
Hertha	4366	.
Exline	4409	.
Marmaton	4496	.
Altamont	4514	.
Pawnee	4570	.
Ft Scott	4598	.
Cherokee	4613	.
Atoka	4731	.
Morrow	4822	.
Chester	4901	.
St Genevieve	4934	.

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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	120	A	200	See Attached
Surface	12.25	8.625	24	1790	A	550	See Attached

WellPlan Services
Office Tel: (307) 439-1831
Tollfree: (800) 474-3561
www.wellplanservices.com

Merit Energy Company

Finney County Kansas (NAD 83 KaS)

Section 27, T24S, R33W

TAIT 1-27

DD

UWI:

API:

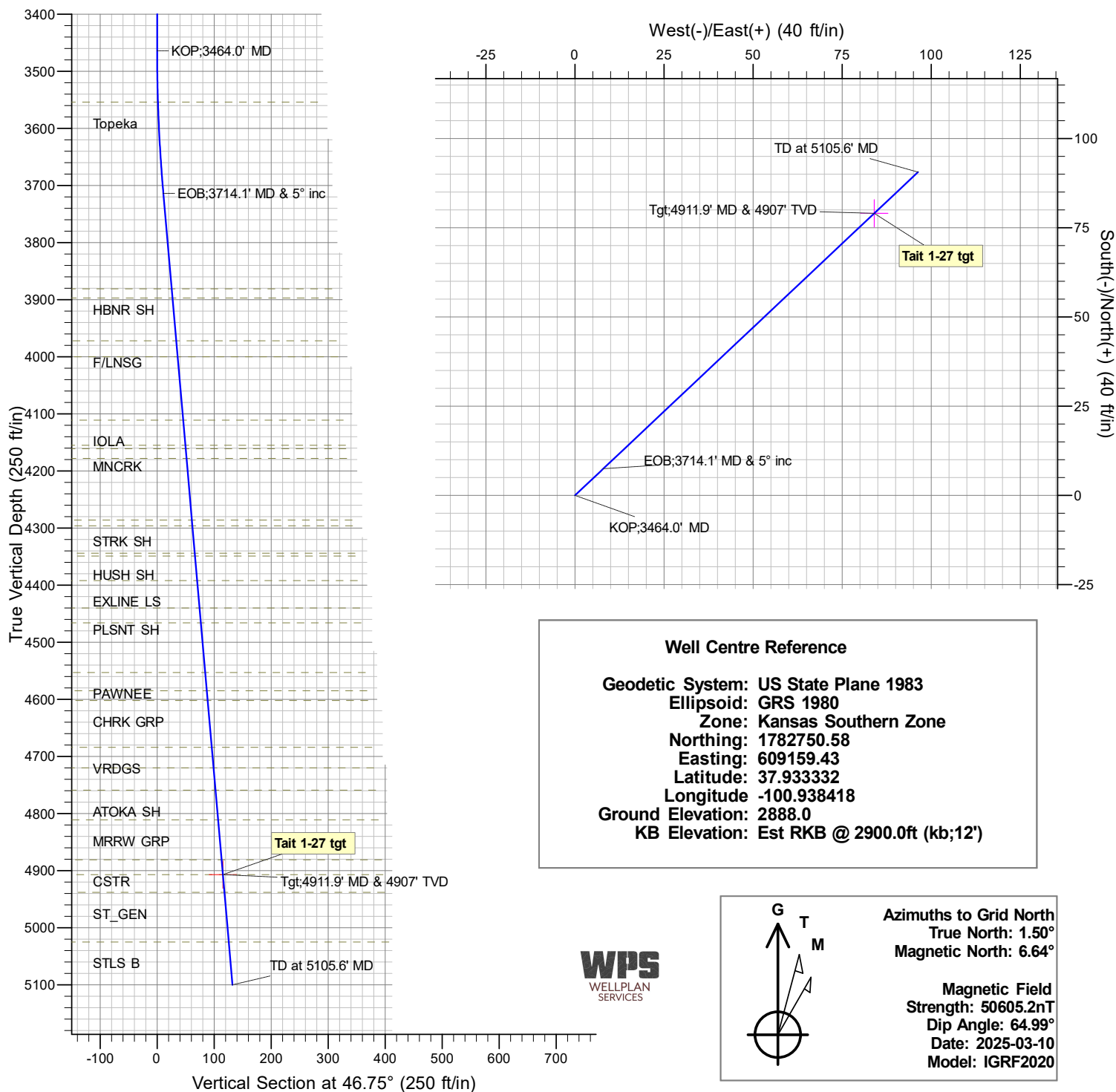
Plan: #1

WPS Planning Report

11 March, 2025

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
3464.0	0.00	1.50	3464.0	0.0	0.0	0.00	1.50	0.0	
3714.1	5.00	46.75	3713.8	7.5	7.9	2.00	46.75	10.9	
4911.9	5.00	46.75	4907.0	79.0	84.0	0.00	0.00	115.3	Tait 1-27 tgt
5105.6	5.00	46.75	5100.0	90.6	96.3	0.00	0.00	132.2	



WellPlan Services

Planning Report

Database:	WellPlan_Services_2020	Local Co-ordinate Reference:	Well TAIT 1-27
Company:	Merit Energy Company	TVD Reference:	Est RKB @ 2900.0ft (kb;12')
Project:	Finney County Kansas (NAD 83 KaS)	MD Reference:	Est RKB @ 2900.0ft (kb;12')
Site:	Section 27, T24S, R33W	North Reference:	Grid
Well:	TAIT 1-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	#1		

Project	Finney County Kansas (NAD 83 KaS)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		

Site	Section 27, T24S, R33W			
Site Position:		Northing:	1,782,750.58 usft	Latitude: 37.933332
From:	Lat/Long	Easting:	609,159.44 usft	Longitude: -100.938418
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence: -1.50 °
Notes:				

Well	TAIT 1-27			
Well Position	+N/-S	0.0 ft	Northing:	1,782,750.58 usft
	+E/-W	0.0 ft	Easting:	609,159.44 usft
Position Uncertainty	0.0 ft	Wellhead Elevation:		Ground Level: 2,888.0 ft
Notes:				

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2025-03-10	5.14	64.99	50,605.15
Notes:	Land Survey dated;12-16-24 Rev #2				

Design	#1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	46.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,464.0	0.00	1.50	3,464.0	0.0	0.0	0.00	0.00	0.00	1.50	
3,714.1	5.00	46.75	3,713.8	7.5	7.9	2.00	2.00	18.09	46.75	
4,911.9	5.00	46.75	4,907.0	79.0	84.0	0.00	0.00	0.00	0.00	Tait 1-27 tgt
5,105.6	5.00	46.75	5,100.0	90.6	96.3	0.00	0.00	0.00	0.00	

WellPlan Services

Planning Report

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Site:	Section 27, T24S, R33W	North Reference:	Grid
Well:	TAIT 1-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	#1		

Planned Survey											
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
Surf. Csg.											
1,800.0	0.00	0.00	1,800.0	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
T/STNC											
1,844.0	0.00	0.00	1,844.0	1,056.0	0.0	0.0	0.0	0.00	0.00	0.00	
B/STNC											
1,950.0	0.00	0.00	1,950.0	950.0	0.0	0.0	0.0	0.00	0.00	0.00	
HUTCH SALT											
2,342.0	0.00	0.00	2,342.0	558.0	0.0	0.0	0.0	0.00	0.00	0.00	
CHASE GROUP											
2,544.0	0.00	0.00	2,544.0	356.0	0.0	0.0	0.0	0.00	0.00	0.00	
Council Grove											
2,816.0	0.00	0.00	2,816.0	84.0	0.0	0.0	0.0	0.00	0.00	0.00	
Wabunsee											
3,202.0	0.00	0.00	3,202.0	-302.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP;3464.0' MD											
3,464.0	0.00	0.00	3,464.0	-564.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.72	46.75	3,500.0	-600.0	0.2	0.2	0.2	2.00	2.00	0.00	
Topeka											
3,554.0	1.80	46.75	3,554.0	-654.0	1.0	1.0	1.4	2.00	2.00	0.00	
3,600.0	2.72	46.75	3,599.9	-699.9	2.2	2.4	3.2	2.00	2.00	0.00	
3,700.0	4.72	46.75	3,699.7	-799.7	6.7	7.1	9.7	2.00	2.00	0.00	
EOB;3714.1' MD & 5° inc											
3,714.1	5.00	46.75	3,713.8	-813.8	7.5	7.9	10.9	2.00	2.00	0.00	
3,800.0	5.00	46.75	3,799.4	-899.4	12.6	13.4	18.4	0.00	0.00	0.00	
HBNR SH											
3,882.0	5.00	46.75	3,881.0	-981.0	17.5	18.6	25.5	0.00	0.00	0.00	
TRNT											
3,898.0	5.00	46.75	3,897.0	-997.0	18.5	19.6	26.9	0.00	0.00	0.00	
3,900.0	5.00	46.75	3,899.0	-999.0	18.6	19.8	27.1	0.00	0.00	0.00	
F/LNSG											
3,973.3	5.00	46.75	3,972.0	-1,072.0	23.0	24.4	33.5	0.00	0.00	0.00	
4,000.0	5.00	46.75	3,998.6	-1,098.6	24.6	26.1	35.8	0.00	0.00	0.00	
LANS B											
4,001.4	5.00	46.75	4,000.0	-1,100.0	24.6	26.2	36.0	0.00	0.00	0.00	
4,100.0	5.00	46.75	4,098.2	-1,198.2	30.5	32.4	44.6	0.00	0.00	0.00	
IOLA											
4,112.8	5.00	46.75	4,111.0	-1,211.0	31.3	33.3	45.7	0.00	0.00	0.00	
MNCRK											
4,157.0	5.00	46.75	4,155.0	-1,255.0	33.9	36.1	49.5	0.00	0.00	0.00	
DRUM											
4,163.0	5.00	46.75	4,161.0	-1,261.0	34.3	36.5	50.0	0.00	0.00	0.00	
DRUM BASE											
4,180.1	5.00	46.75	4,178.0	-1,278.0	35.3	37.5	51.5	0.00	0.00	0.00	
4,200.0	5.00	46.75	4,197.8	-1,297.8	36.5	38.8	53.3	0.00	0.00	0.00	
STRK SH											
4,288.5	5.00	46.75	4,286.0	-1,386.0	41.8	44.4	61.0	0.00	0.00	0.00	

WellPlan Services

Planning Report

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Project:	Finney County Kansas (NAD 83 KaS)	MD Reference:	Est RKB @ 2900.0ft (kb;12')
Site:	Section 27, T24S, R33W	North Reference:	Grid
Well:	TAIT 1-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	#1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
SWOPE										
4,298.5	5.00	46.75	4,296.0	-1,396.0	42.4	45.1	61.9	0.00	0.00	0.00
4,300.0	5.00	46.75	4,297.5	-1,397.5	42.5	45.1	62.0	0.00	0.00	0.00
HUSH SH										
4,346.7	5.00	46.75	4,344.0	-1,444.0	45.3	48.1	66.1	0.00	0.00	0.00
HERTHA LS										
4,351.7	5.00	46.75	4,349.0	-1,449.0	45.6	48.4	66.5	0.00	0.00	0.00
EXLINE LS										
4,394.9	5.00	46.75	4,392.0	-1,492.0	48.1	51.2	70.3	0.00	0.00	0.00
4,400.0	5.00	46.75	4,397.1	-1,497.1	48.5	51.5	70.7	0.00	0.00	0.00
PLSNT SH										
4,443.1	5.00	46.75	4,440.0	-1,540.0	51.0	54.2	74.5	0.00	0.00	0.00
MRMNT GRP										
4,469.2	5.00	46.75	4,466.0	-1,566.0	52.6	55.9	76.7	0.00	0.00	0.00
4,500.0	5.00	46.75	4,496.7	-1,596.7	54.4	57.8	79.4	0.00	0.00	0.00
PAWNEE										
4,556.5	5.00	46.75	4,553.0	-1,653.0	57.8	61.4	84.4	0.00	0.00	0.00
FTSC										
4,588.6	5.00	46.75	4,585.0	-1,685.0	59.7	63.5	87.2	0.00	0.00	0.00
4,600.0	5.00	46.75	4,596.3	-1,696.3	60.4	64.2	88.1	0.00	0.00	0.00
CHRK GRP										
4,605.7	5.00	46.75	4,602.0	-1,702.0	60.7	64.6	88.6	0.00	0.00	0.00
VRDGS										
4,688.0	5.00	46.75	4,684.0	-1,784.0	65.7	69.8	95.8	0.00	0.00	0.00
4,700.0	5.00	46.75	4,695.9	-1,795.9	66.4	70.5	96.9	0.00	0.00	0.00
ATKN GRP										
4,724.2	5.00	46.75	4,720.0	-1,820.0	67.8	72.1	99.0	0.00	0.00	0.00
ATOKA SH										
4,763.3	5.00	46.75	4,759.0	-1,859.0	70.2	74.6	102.4	0.00	0.00	0.00
4,800.0	5.00	46.75	4,795.5	-1,895.5	72.3	76.9	105.6	0.00	0.00	0.00
MRRW GRP										
4,815.5	5.00	46.75	4,811.0	-1,911.0	73.3	77.9	106.9	0.00	0.00	0.00
CSTR										
4,885.8	5.00	46.75	4,881.0	-1,981.0	77.5	82.3	113.1	0.00	0.00	0.00
4,900.0	5.00	46.75	4,895.2	-1,995.2	78.3	83.2	114.3	0.00	0.00	0.00
Tgt:4911.9' MD & 4907' TVD - CSTR Pay SS										
4,911.9	5.00	46.75	4,907.0	-2,007.0	79.0	84.0	115.3	0.00	0.00	0.00
ST_GEN										
4,943.0	5.00	46.75	4,938.0	-2,038.0	80.9	86.0	118.0	0.00	0.00	0.00
5,000.0	5.00	46.75	4,994.8	-2,094.8	84.3	89.6	123.0	0.00	0.00	0.00
STLS B										
5,030.3	5.00	46.75	5,025.0	-2,125.0	86.1	91.5	125.7	0.00	0.00	0.00
5,100.0	5.00	46.75	5,094.4	-2,194.4	90.3	95.9	131.7	0.00	0.00	0.00
TD at 5105.6' MD										
5,105.6	5.00	46.75	5,100.0	-2,200.0	90.6	96.3	132.2	0.00	0.00	0.00

WellPlan Services

Planning Report

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Project:	Finney County Kansas (NAD 83 KaS)	MD Reference:	Est RKB @ 2900.0ft (kb;12')
Site:	Section 27, T24S, R33W	North Reference:	Grid
Well:	TAIT 1-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	#1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Tait 1-27 tgt - plan hits target center - Point	0.00	1.50	4,907.0	79.0	84.0	1,782,829.62	609,243.44	37.933555	-100.938134

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (in)	Hole Diameter (in)
1,800.0	1,800.0	Surf. Csg.			

WellPlan Services

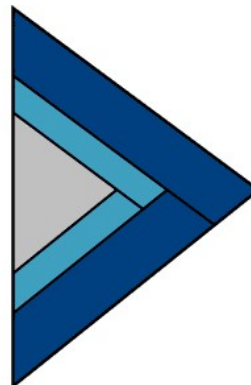
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Site:	Section 27, T24S, R33W	North Reference:	Grid
Well:	TAIT 1-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	#1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Subsea Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,844.0	1,844.0	1,056.0	T/STNC			
1,950.0	1,950.0	950.0	B/STNC			
2,342.0	2,342.0	558.0	HUTCH SALT			
2,544.0	2,544.0	356.0	CHASE GROUP			
2,816.0	2,816.0	84.0	Council Grove			
3,202.0	3,202.0	-302.0	Wabunsee			
3,554.0	3,554.0	-654.0	Topeka			
3,882.0	3,881.0	-981.0	HBNR SH			
3,898.0	3,897.0	-997.0	TRNT			
3,973.3	3,972.0	-1,072.0	F/LNSG			
4,001.4	4,000.0	-1,100.0	LANS B			
4,112.8	4,111.0	-1,211.0	IOLA			
4,157.0	4,155.0	-1,255.0	MNCRK			
4,163.0	4,161.0	-1,261.0	DRUM			
4,180.1	4,178.0	-1,278.0	DRUM BASE			
4,288.5	4,286.0	-1,386.0	STRK SH			
4,298.5	4,296.0	-1,396.0	SWOPE			
4,346.7	4,344.0	-1,444.0	HUSH SH			
4,351.7	4,349.0	-1,449.0	HERTHA LS			
4,394.9	4,392.0	-1,492.0	EXLINE LS			
4,443.1	4,440.0	-1,540.0	PLSNT SH			
4,469.2	4,466.0	-1,566.0	MRMNT GRP			
4,556.5	4,553.0	-1,653.0	PAWNEE			
4,588.6	4,585.0	-1,685.0	FTSC			
4,605.7	4,602.0	-1,702.0	CHRK GRP			
4,688.0	4,684.0	-1,784.0	VRDGS			
4,724.2	4,720.0	-1,820.0	ATKN GRP			
4,763.3	4,759.0	-1,859.0	ATOKA SH			
4,815.5	4,811.0	-1,911.0	MRRW GRP			
4,885.8	4,881.0	-1,981.0	CSTR			
4,911.9	4,907.0	-2,007.0	CSTR Pay SS			
4,943.0	4,938.0	-2,038.0	ST_GEN			
5,030.3	5,025.0	-2,125.0	STLS B			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
3,464.0	3,464.0	0.0	0.0	KOP;3464.0' MD	
3,714.1	3,713.8	7.5	7.9	EOB;3714.1' MD & 5° inc	
4,911.9	4,907.0	79.0	84.0	Tgt;4911.9' MD & 4907' TVD	
5,105.6	5,100.0	90.6	96.3	TD at 5105.6' MD	

Décollement Consulting Inc.



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

Well Name: Tait 1-27 C-1
API: 15-055-22629-00-00
Location: Sec 11-T25S-R33W, Finney KS
License Number: AFE# 75797
Spud Date: 3/12/2025
Surface Coordinates: Lat 37.9335310°, Long -100.9376910°

Region: Finney
Drilling Completed: 3/18/2025

Bottom Hole
Coordinates:
Ground Elevation (ft): 2888 K.B. Elevation (ft): 2900
Logged Interval (ft): 3850 To: 5150 Total Depth (ft): 5150
Formation: Primary: CSTR SS, Secondary: Penn carbonates
Type of Drilling Fluid: Water Based Mud

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

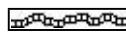
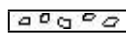
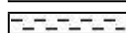
OPERATOR

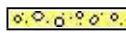
Company: Merit Energy Company
Address: 13727 Noel Rd., Suite 1200
Dallas, TX 75240

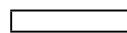
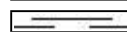
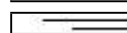
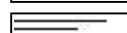
GEOLOGIST

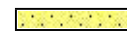
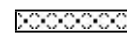
Name: Brian Reddick
Company: Decollement Consulting, Inc.
Address: 13300 Braun Rd.
Golden, CO 80401

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal

 Congl
 Dol
 Gyp
 Igne
 Lmst
 Meta

 Mrlst
 Salt
 Sh rdbrn
 Shale
 Shcol
 Shgy

 Sltst
 Ss
 Till

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

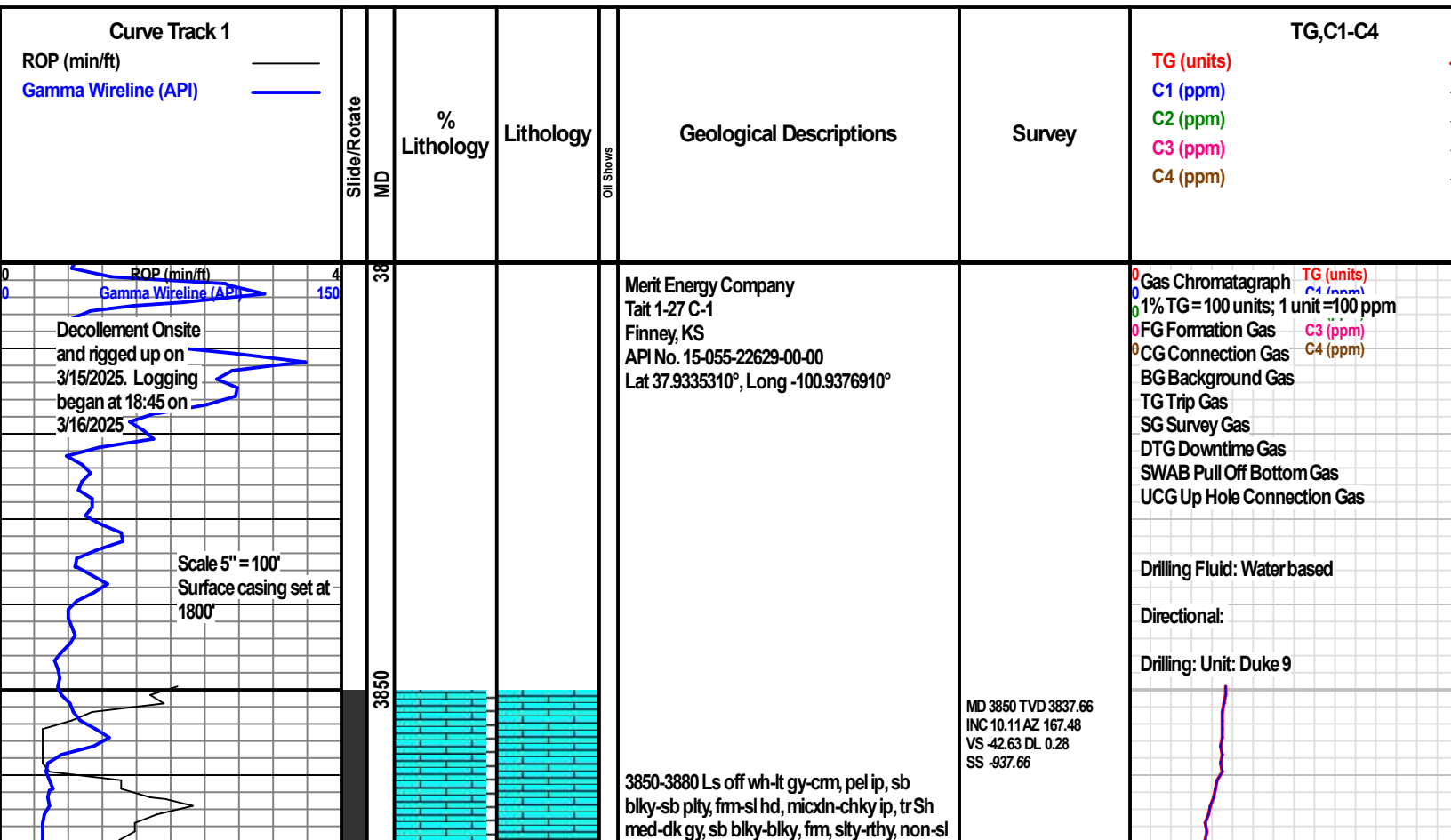
Good
 Fair
 Poor
 Dead

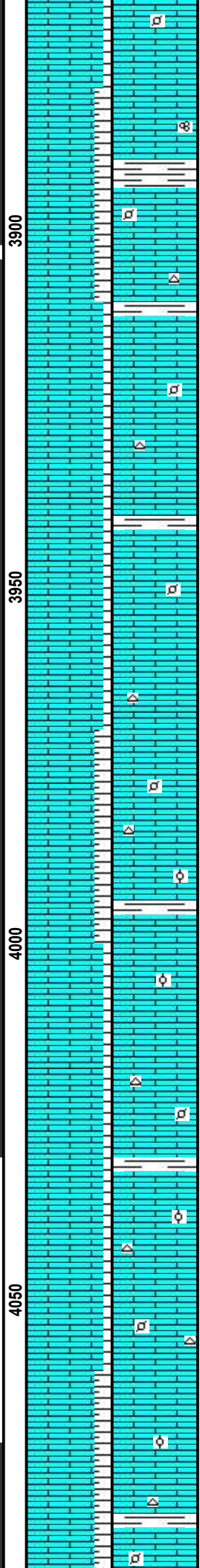
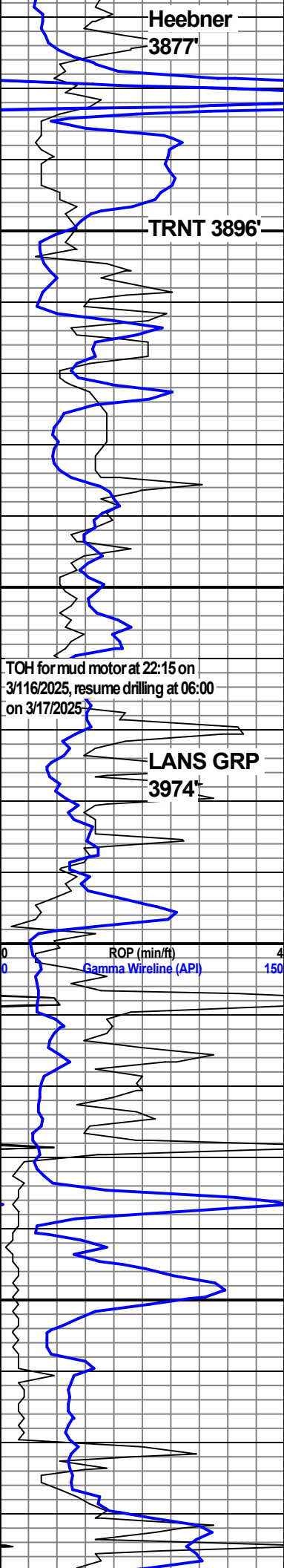
INTERVAL

Core
 Dst

EVENT

Rft
 Sidewall
 New symbol





calc, abnt min flor, nsoc

3880-3910 Ls off wh-lt gy-cm, pel ip, sb
blky-sb plty, frm-sl hd, micxln-chky ip, rr lt
chrt, rr fusulinid fos frag, tr Sh med-dk gy, sb
blky-blky, frm, slty-rthy, non-sl calc, abnt min
flor, fnt slo cut

3910-3940 Ls lt gy-cm-off wh, pel ip, sb
blky-sb plty, mic xln, tr lt chrt, tr Sh med gy, sb
blky-sb plty, frm, slty, abnt min flor, nsoc

3940-3970 Ls lt gy-cm-med gy, pel ip, sb
blky-sb plty, mic xln-chky, tr lt chrt, rr c xln cal,
tr Sh med-dk gy, slty, sb blky-sb plty, frm,
non-sl calc, abnt min flor, nsoc

3970-4000 Ls lt gy-cm-med gy, pel ip, r oo,
sb blky-sb plty, mic xln-chky, tr lt chrt, tr Sh
med-dk gy, slty, sb blky-sb plty, frm, non-sl
calc, abnt min flor, v fnt slo cut

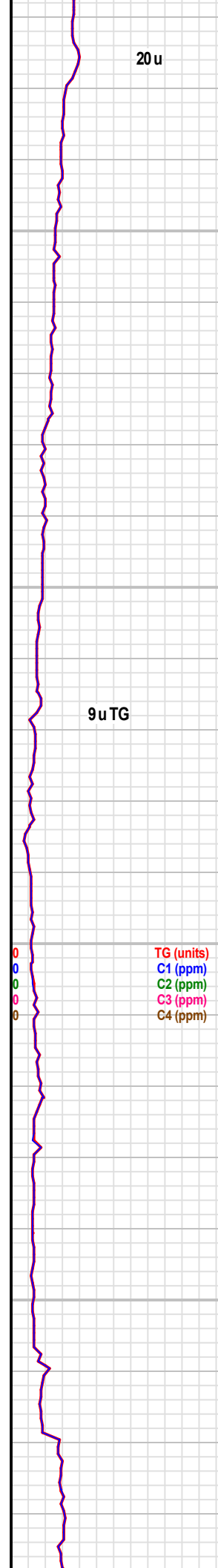
4000-4030 Ls lt gy-cm-med gy, pel ip, r oo,
sb blky-sb plty, mic xln-chky, tr lt chrt, rr c xln
cal, rr oomoldic por, tr Sh med-dk gy, slty, sb
blky-sb plty, frm, non-sl calc, abnt min flor,
nsoc

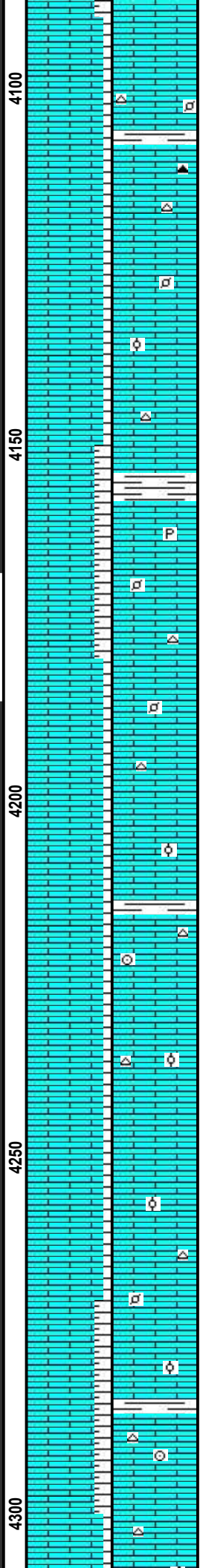
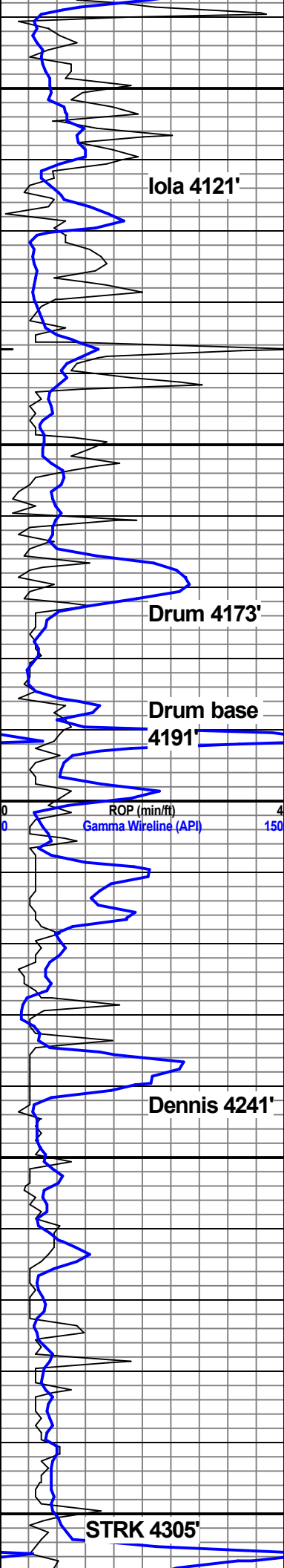
4030-4060 Ls lt gy-cm-med gy, pel ip, r oo,
sb blky-sb plty, mic xln-chky, tr off wh-tmsl
chrt, rr c xln cal, rr oomoldic por, tr Sh med-dk
gy, slty, sb blky-sb plty, frm, non calc, abnt
min flor, nsoc

4060-4090 Ls lt gy-cm-med gy, pel ip, r oo,
sb blky-sb plty, mic xln, tr lt chrt, tr Sh med-dk
gy, slty, sb blky-sb plty, frm, non-sl calc, abnt
min flor, nsoc

MD 3985 TVD 3969.58
INC 14.33 AZ 175.83
VS -59.22 DL 3.38
SS -1069.58

MD 4017 TVD 4000.39
INC 17.05 AZ 181.37
VS -65.02 DL 9.7
SS -1100.39





4090-4120 Ls cm-tan-lt gy, sb blkly-sb plty, r oo, r pel, micxn, fm-hd, pred cln, g tr wh-tmsl-bm chrt, r crin fos frag, tr med gy sh, slty, abnt min flor, nsoc

4120-4150 Ls cm-tan-lt gy, sb blkly-sb plty, r oo, r pel, micxn, fm-hd, pred cln, g tr wh-tmsl chrt, tr med gy sh, slty, abnt min flor, v fnt slo cut

4150-4180 Ls cm-tan-lt gy, sb blkly-sb plty, r oo, occ pel, fm, micxn, fm-hd, pred cln, g tr wh-tmsl chrt, r dis pyr, tr med gy sh, slty, abnt min flor, nsoc

4180-4210 Ls cm-tan-lt gy, sb blkly-sb plty, oo-pel ip, fm-sl hd, micxn, r oomoldic por, g tr lt chrt, tr c xln cal, Sh med gy, sb blkly-sb plty, fm, slty, abnt min flor, nsoc

4210-4240 Ls cm-tan-off wh-lt gy, sb blkly, oo-pel ip, pred micxn, tr lt chrt, r crin fos frags, tr med-dk gy sh, abnt min flor, v fnt slo cut

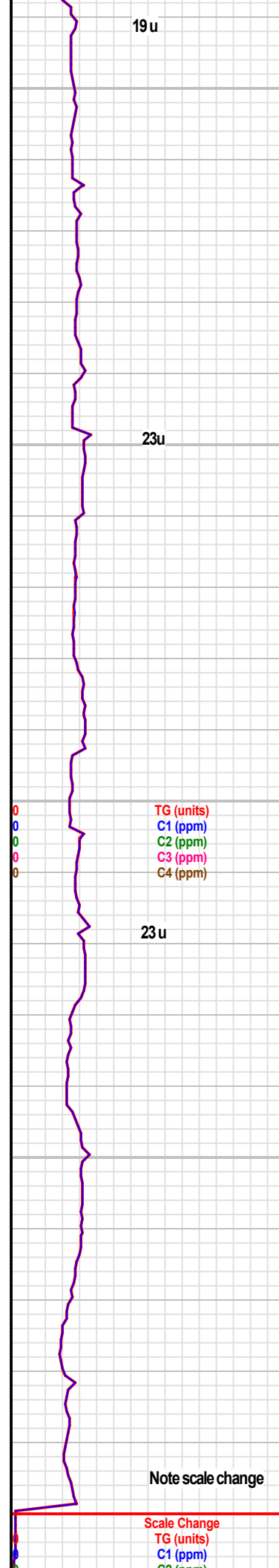
4240-4270 Ls cm-tan-lt gy, sb blkly-sb plty, oo-pel ip, fm-sl hd, micxn, r oomoldic por, g tr lt chrt, tr c xln cal, Sh med-dk gy, sb blkly-sb plty, fm, slty, abnt min flor, nsoc

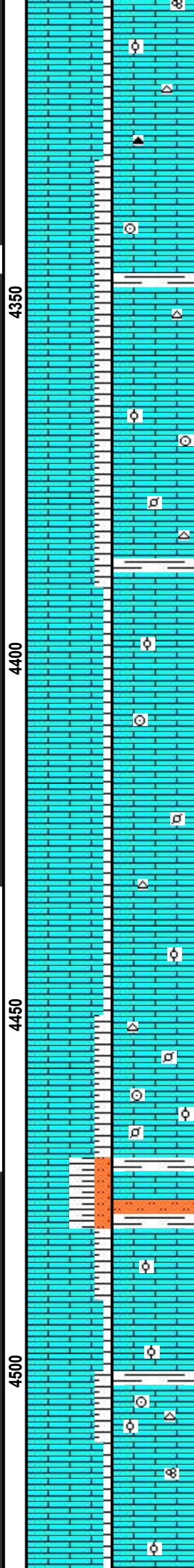
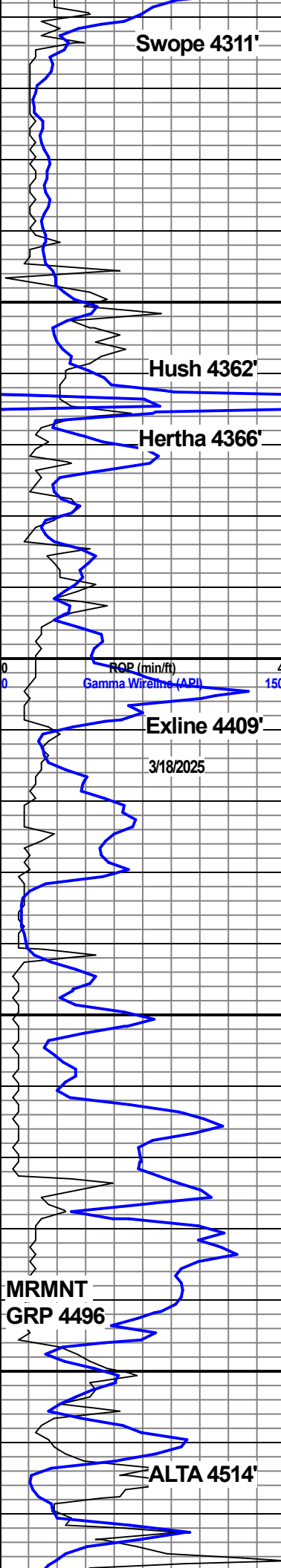
4270-4300 Ls cm-tan-lt gy, sb blkly-sb plty, oo-pel ip, fm-sl hd, micxn, r crin fos frag, g tr lt chrt, tr c xln cal, g tr Sh med gy, sb blkly-sb plty, fm, slty, abnt min flor, nsoc

MD 4111 TVD 4090.24
INC 17.14 AZ 183.04
VS -84.71 DL 0.53
SS -1190.24

MD 4206 TVD 4181.12
INC 16.7 AZ 182.77
VS -104.65 DL 0.47
SS -1281.12

MD 4301 TVD 4273.1
INC 12.22 AZ 189.72
VS -122.51 DL 5.05





4300-4330 Ls cm-tan-lt gy, sb blk-y-sb plty, oo-pel ip, frm-sl hd, micxn, rr fusulinid fos frag, g tr lt-dk chrt, g tr oomoldic por, g tr Sh med gy-blk, sb blk-y-sb plty, frm, slty, abnt min flr, nsoc

At 4342', 80 bbl crude oil added to mud system to free pipe, oil shows questionable

4330-4360 Ls cm-tan-lt gy, sb blk-y, oo, g tr oomoldic por, tr intr por, frm-hd, micxn, rr crin fos frag, tr lt chrt, Sh med gy, sb blk-y-sb plty, frm, slty, non-sl calc, abnt min flr, fr blmg cut

4360-4390 Ls cm-tan-gy, sb blk-y-sb plty, oo-pel, mic xln, g tr oomoldic por, frm-hd, rr crin fos frags, tr lt chrt, sh med -dk gy, sb blk-y-sb plty, frm, slty, abnt min flr, fr blmg cut

4390-4420 Ls cm-tan-gy, sb blk-y-sb plty, oo-pel, mic xln, occ med xln, rr oomoldic por, frm-hd, occ crin fos frags, Sh med -dk gy, sb blk-y-sb plty, frm, slty, abnt min flr, fr blmg cut

4420-4450 Ls cm-tan-gy, sb blk-y-sb plty, oo-pel, mic xln, occ med xln, rr oomoldic por, frm-hd, tr lt chrt Sh med -dk gy, sb blk-y-sb plty, frm, slty, abnt min flr, fr blmg cut

4450-4460 Ls cm-tan-gy, sb blk-y-sb plty, oo-pel, mic xln, occ med xln, rr lt chrt, frm-hd, tr lt chrt Sh a/a, slo blmg cut

4460-4470 Ls cm-tan-gy, sb blk-y-sb plty, oo-pel, occ oomoldic por, mic xln, occ med xln, occ crin fos frag, frm-hd, tr lt chrt, Sh a/a, slo blmg cut

4470-4480 Sh med-lt gy, sb blk-y-sb plty, frm-sft, slty, grdg to sltst ip, Sltst lt gy, sb blk-y, sft, calc, abnt ls cont a/a, slo blmg cut

4480-4490 Ls cm-tan-med gy, sb blk-y-bkly, sl hd-frm, pred cln, oo ip, mic xln, g tr dk gy slty sh a/a, slo blmg cut

4490-4500 Ls cm-lt gy-off wh, mic-vf xln, oo ip, tr intxn por with bm oil str, fr slo blmg cut, fnt res ring

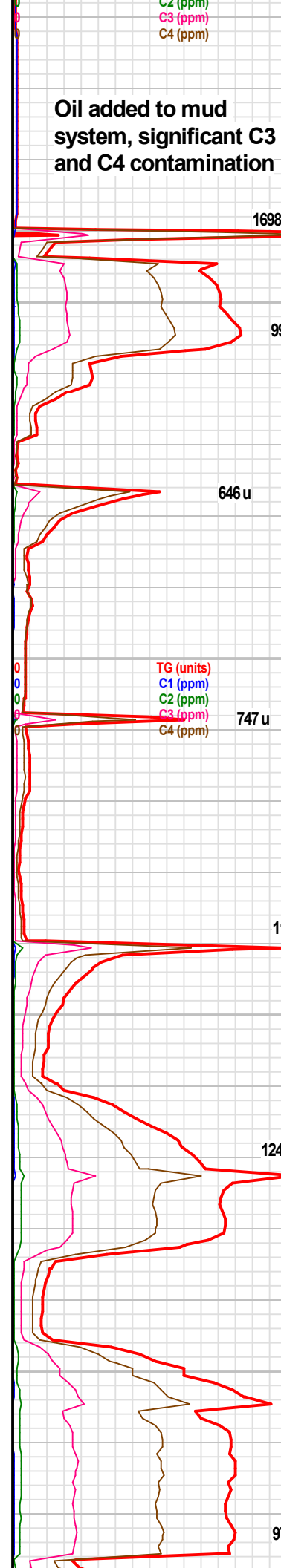
4500-4520 Ls cm-tan-lt gy, mic xln, oo ip, tr oomoldic por, rr crin frags, rr lt chrt, rr fusulinid, sh a/a, g tr min flr, slo blmg cut

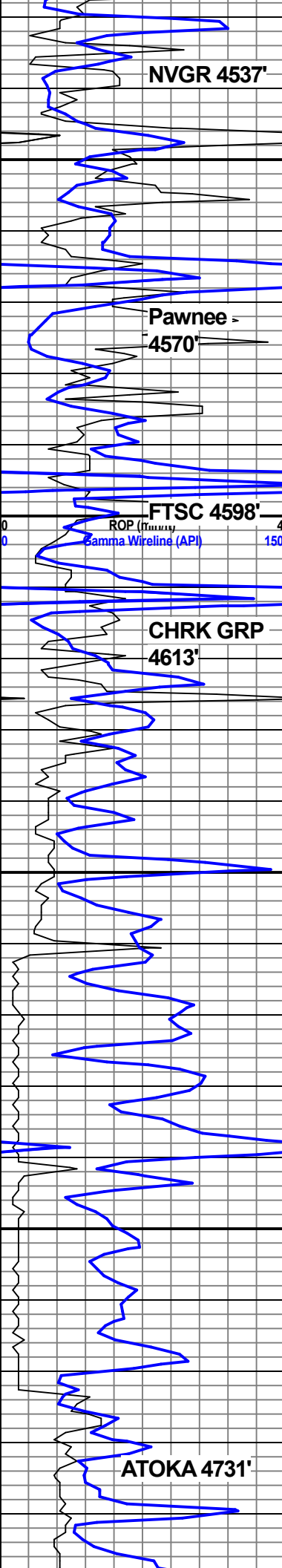
4520-4530 Ls cm-lt gy, micxn, frm, oo ip, tr oomoldic por, rr pyr, tr med gy slty sh, slo blmg cut

SS -1373.1

MD 4396 TVD 4366.44
INC 9.36 AZ 208.96
VS -137.9 DL 4.8
SS -1466.44

MD 4460 TVD 4429.76
INC 7.34 AZ 217.49
VS -146.89 DL 3.69
SS -1529.76





4530-4540 Ls cm-tan-lt gy, mic xln, oo ip, tr oomoldic por, r crin frags, r lt chrt, r pyr, sh a/a, g tr min flor, slo blmg cut

4540-4550 Ls cm-tan-lt gy, mic xln, oo ip, tr oomoldic por, tr lt-dk chrt, r crin, Sh med gy, sb blk-y-sb plty, frm, slty, slo blmg cut

4550-4560 Ls cm-tan-lt gy, sb blk-y-blky, frm, mic xln, oo ip, r crin fos frags, tr lt-dk chrt, r pyr, slo blmg cut

4560-4570 Ls cm-lt gy, sb blk-y, frm, mic xln, oo ip, tr crin, r fusilinid, r pyr, abnt med-dk gy sh, slo blmg cut

4570-4580 Ls cm-lt gy, sb blk-y-blky, frm, mic xln, tr crin, tr oo, tr chrt, sltst med-lt gy, sb blk-y, sft, calc, slo blmg cut

4580-4600 Ls cm-off wh-lt gy, sb blk-y, frm, mic xln, tr lt chrt, oo ip tr oomoldic porh med-dk gy, sb blk-y-sb plty, frm, slty, abnt min flor, fr blmg cut

4600-4610 Ls cm-lt gy, sb blk-y, frm, mic xln, oo ip, tr crin, r fusilinid, r pyr, abnt med-dk gy sh, slo blmg cut

4610-4620 Ls cm-lt gy, sb blk-y, frm, mic xln, oo ip, tr crin, r fusilinid, r lt chrt, r pyr, r intgr por with bm oil stn, abnt med-dk gy sh, slo blmg cut, fr res ring

4620-4650 Ls cm-tan-off wh-lt gy, sb blk-y-sb plty, frm-sl hd, mic xln, oo-pel ip, r lt chrt, r intgr por with bm oil stn, Sh med-dk gy, sb blk-y-sb plty, frm-sl sft, slty, calc-non calc, grdg to sltst ip, abnt min flor, fr blmg cut

4650-4680 Ls cm-tan-off wh-lt gy, sb blk-y-sb plty, frm-hd, mic xln, oo-pel ip, r lt chrt, r coral fos frag, Sh med-dk gy, sb blk-y-sb plty, frm-sl sft, slty, calc-non calc, grdg to sltst ip, abnt min flor, fr blmg cut

4680-4710 Ls cm-tan-off wh-lt gy, sb blk-y-sb plty, frm-hd, mic xln, oo ip, r lt chrt, r fusilinid, r bryozoan fos with bm oil stn, Sh med-dk gy, sb blk-y-sb plty, frm-sl sft, slty, calc-non calc, grdg to sltst ip, abnt min flor, fr blmg cut

4710-4740 Ls cm-lt gy, sb blk-y, frm, mic xln, oo ip, tr crin, tr lt-dk chrt, r pyr, tr oomoldic por, g tr med-dk gy sh, occ min flor, fr blmg cut

4740-4770 Ls cm-tan-off wh-lt gy, sb blk-y-sb plty, frm-sl hd, mic xln, oo-pel ip, r lt chrt, r intgr por with bm oil stn, Sh med-dk gy, sb blk-y-sb plty, frm-sl sft, slty, calc-non calc, grdg to sltst ip, abnt min flor, fr blmg cut

MD 4554 TVD 4523.3
INC 4.04 AZ 186.99
VS -155.37 DL 4.65
SS -1623.3

MD 4647 TVD 4616.19
INC 1.85 AZ 128.63
VS -157.67 DL 3.71
SS -1716.19

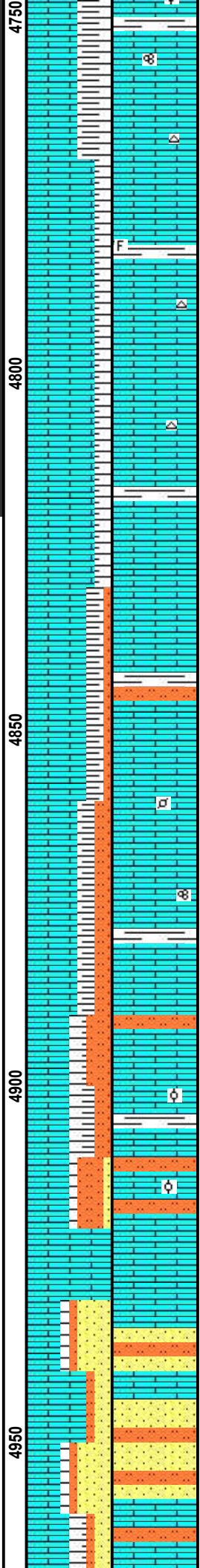
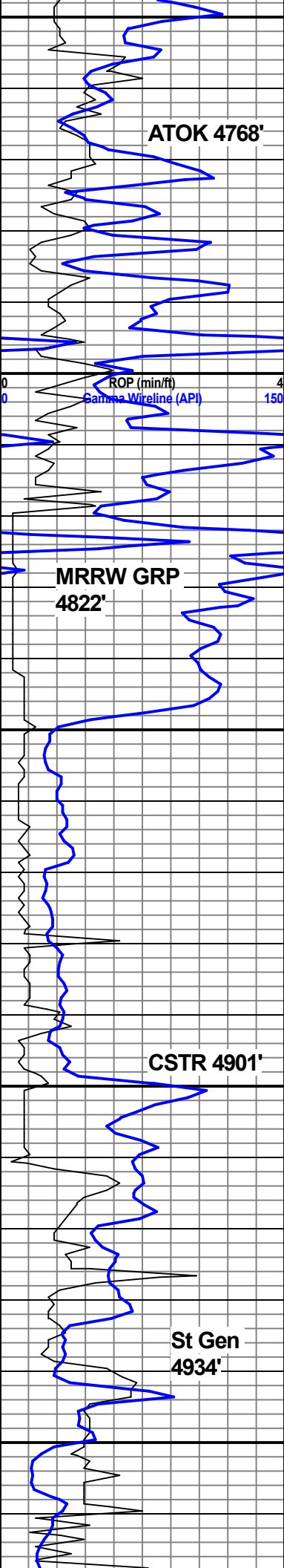
MD 4676 TVD 4645.14
INC 5.41 AZ 50.15
VS -156.24 DL 18.47
SS -1745.14

MD 4743 TVD 4711.94
INC 3.47 AZ 59.73

TG (units)
C1 (ppm)
C2 (ppm)
C3 (ppm)
C4 (ppm)

851 u

484 u CG



4747-4770 Ls cm-fan-fm wh-lt gy, sb blk-y-sb pty, fm-hd, mic xln, oo ip, r lt gy-bm chrt, r fusulinid, Sh med-dk gy, sb blk-y-sb pty, fm-sl sft, occ min flr, fr blmg cut

4770-4800 Ls cm-tan-gy, sb blk-y, fm, mic xln, oo ip, r fos frags, occ lt-dk chrt, Sh med gy, sb blk-y, fm, non-sl calc, occ min flr, fr blmg cut

4800-4830 Ls cm-tan-lt gy, sb blk-y, fm, micxln, oo ip, occ lt chrt, Sh med-dk gy, sb blk-y-sb pty, fm, slty-occ sl sdy, r vf gr ss, v r unconcs c gr md sd, occ min flr, fr blmg cut

4830-4860 Ls cm-tan-gy, sb blk-y, fm-sl hd, micxln, pel ip, r intrgr por with bm oil stn, Sh med gy, sb blk-y-sb pty, fm, slty, grdg to med gy sltst, occ min flr, fr blmg cut

4860-4890 Ls cm-med gy, sb blk-y-sb pty, fm-sl hd, micxln Sh med-dk gy, occ blk, blk-y-pty, fm, non-mod calc, r fusulinid, Sltst lt gy-s&p, tr carb mat, pred cly fld, occ grdg to vf gr ss, no vis por, occ min flr, fr blmg cut

4890-4900 Ls cm-lt gy, sb blk-y, fm-sl sft, slty ip, grdg to sltst ip, r intdxn por with bm oil stn, tr lt gy sltst, tr med-dk gy sh, fst strng cut

4900-4910 Ls cm-gy, sb blk-y-blky, fm, micxln, hd, oo ip, r oomoldic por, Sltst lt gy, sb blk-y, sft, calc, occ sl sdy, occ min flr, fr blmg cut

4910-4920 Sltst lt gy-off wh, sb blk-y, sft-fm, no vis por, non-mod calc, grdg to vf gr ss ip, r bm oil, abnt ls & sh a/a, blmg cut

4920-4930 Ls cm-off wh-tan, cln, sb blk-y-pty, fm, mic xln, oo, r pyr, tr sh & sltst a/a, r vf gr ss with intrgr bm oil stn

4930-4940 Ss off wh-bm, vf gr-slty, ang-sb ang, w srt, mod cnt, calc, tr vis intrgr por with bm oil, fst strng cut

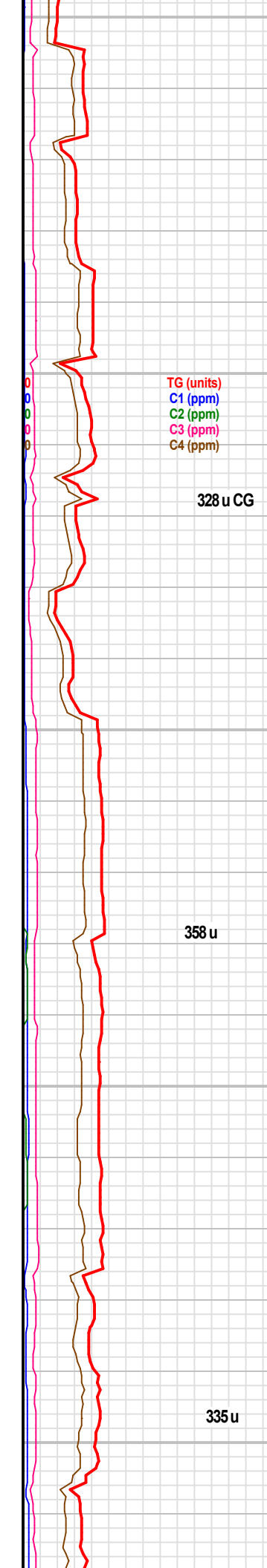
4940-4960 Ss off wh-tan-bm, occ med gy, vf gr-slty, r f-med gr, md-ang-sb ang, mod srt, mod-w cnt, calc, grdg to sdy ls ip, tr intrgr bm oil, g blmg cut

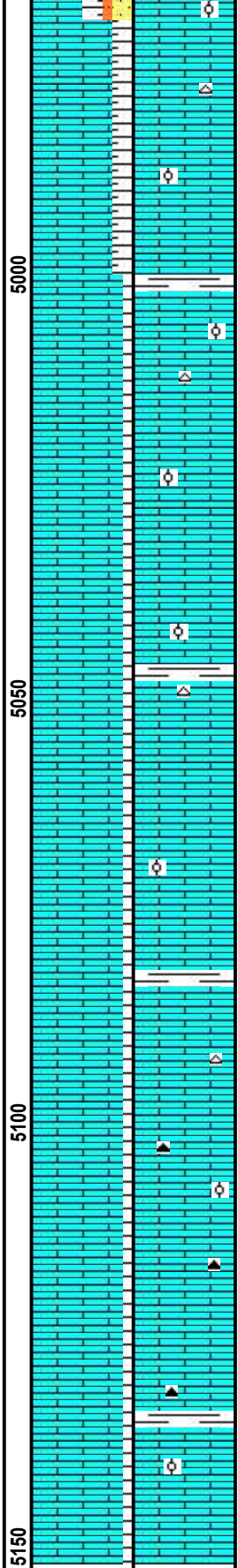
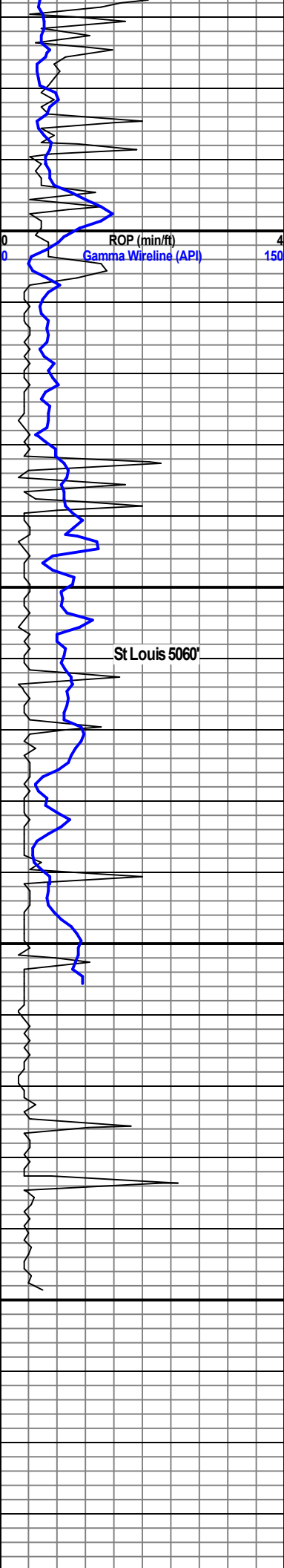
4960-4970 Ls cm-tan, oo ip, r oomoldic por, occ sdy, grdg to calc ss ip, g tr ss con't a/a, tr med-dk gy sh, abnt min flr, fr blmg cut

VS -151.11 DL 3.09
SS -1811.94

MD 4775 TVD 4743.9
INC 1.49 AZ 77.13
VS -149.81 DL 6.55
SS -1843.9

MD 4899 TVD 4867.86
INC 2.02 AZ 155.7
VS -149.13 DL 1.82
SS -1967.86





4970-5000 Ls cm-tan, oo, r roomoldic por, occ sdy, tr ss con't a/a, tr lt chrt, Sh med-dk gy, sb blkly-sply, frm-sl hd, non-mod calc, slty ip, abnt min flor, fr blmg cut

5000-5030 Ls cm-tan, oo, sb blkly-sb pty, frm, mic xln, tr lt chrt, Sh med gy-dk gy, pty-sb blkly, slty-rthy, non calc

5030-5060 Ls cm-tan, oo, sb blkly-sb pty, frm, mic xln, tr lt chrt, r fuslinid fos frag, tr lt chrt, Sh med gy-dk gy, pty-sb blkly, slty-rthy, non calc

5060-5090 Ls cm-tan, oo, sb blkly-sb pty, frm, mic xln, tr lt chrt, tr tmsl-off wh-tan chrt, Sh med gy-dk gy, pty-sb blkly, slty-rthy, non calc

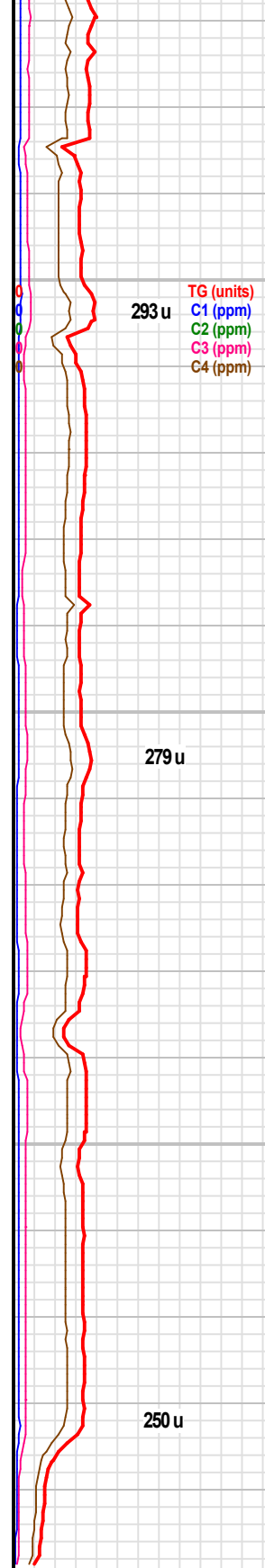
5090-5120 Ls cm-tan, oo, sb blkly-sb pty, frm, mic xln, tr tmsl-med gy chrt-off wh-tan chrt, Sh med gy-dk gy, pty-sb blkly, slty-rthy, non calc

5120-5150 Ls cm-tan, oo, sb blkly-sb pty, frm, mic xln, tr tmsl-bm chrt, Sh med gy-dk gy, pty-sb blkly, slty-rthy, non calc

TD of 5150' reached at 14:45 on 3/18/2025

MD 4994 TVD 4962.81
INC 1.71 AZ 150.17
VS -150 DL 0.38
SS -2062.81

MD 5089 TVD 5057.78
INC 1.41 AZ 154.82
VS -150.69 DL 0.34
SS -2157.78



[illegible]