

# GEOLOGIC REPORT

## DAVID J. GOLDAK

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

Well Name: Rowan 'A' #1-9  
Location: Section 9 - T26S - R29W  
License Number: API: 15-069-20502  
Spud Date: 11 / 09 / 2017  
Surface Coordinates: 1650' FNL and 2310' FEL  
NW - SW - NE

Region: Gray Co., KS  
Drilling Completed: 11 / 16 / 2017

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2710' K.B. Elevation (ft): 2723'  
Logged Interval (ft): 4000' To: 4985' Total Depth (ft): 4985'  
Formation: Mississippian - St Louis  
Type of Drilling Fluid: Chemical - Mud-Co

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

### OPERATOR

Company: Stelbar Oil Corporation  
Address: 1625 N. Waterfront Pkwy., Suite 200  
Wichita, Kansas 67206-6602

### GEOLOGIST

Name: David J. Goldak  
Company: D. J. GOLDAK, INC.  
Address: 12427 W Ridgepoint Cir  
Wichita, Kansas 67235

### General Info

CONTRACTOR: Sterling Drilling, Rig #5

#### BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ-HA00TC	4-16s	1879'	1879'	28.00
2	7-7/8	JZ-HAIPG	3-15s	1949'	70'	0.75
3	7-7/8	JZ-PLT516	5-15s	4985'	3036'	55.75

SURVEYS: 1879'-1.00, 4923'-0.50

#### GENERAL DRILLING & PUMP INFORMATION:

Collars: 18 joints of collars (6.25"x2.25"): 536.47'  
Drilling: 14,000-16,000 lbs on bit and 100-110 RPM.  
Pumping: 65-70 S/M; 10.0-10.8 B/M; 900-1000 psi



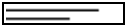

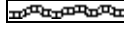



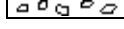

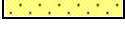

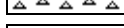

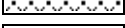

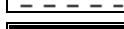
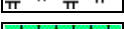

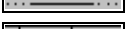






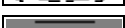



## Daily Status

11/09/17 - Spud at 8:00 PM  
 11/10/17 - 520' Drilling  
 11/11/17 - 1,750' Drilling; Set 8-5/8" csg @ 1,874'  
 11/12/17 - 1,879' WOC; DP @ 8:45 AM; Bit trip @ 1,949'  
 11/13/17 - 3,160' Drilling; Displace @ 3,479'  
 11/14/17 - 4,345' Drilling  
 11/15/17 - 4,850' Drilling; DST #1 @ 4,923'  
 11/16/17 - 4,953' Drilling; Lost circ @ 4,985'; RTD @ 4,985'






















































































## DSTs

DST #1: 4,892' - 4,923' (Miss. St Louis)  
 30" - 60" - 60" - 90"  
 IF: Blow building to BOB in 24 minutes  
 ISi: No blow back  
 FF: Blow building to BOB in 25 minutes  
 FSI: No blow back  
 RECOVERY: 567' Total Fluid, consisting of:  
 567' OSGW (5% G & 95% W)  
 Sampler: 2000 ml Water @ 150 psi  
 SIP: 1418-1418; FP: 30-128, 132-249; HP: 2410-2351; BHT: 127

## ROCK TYPES

 Anhy	 Gyp	 Shgy	 Sandylms
 Bent	 Igne	 Sltst	 Shale
 Brec	 Lmst	 Ss	 Sltstn
 Cht	 Meta	 Till	 Shlyslts
 Clyst	 Mrlst	 Carb sh	 Sltysh
 Coal	 Salt	 Dol	 Lms
 Congl	 Shale	 Dtd	
 Dol	 Shcol	 Gry sh	

## ACCESSORIES

<b>MINERAL</b>	 Salt	 Fossil	 Clystn
 Anhy	 Sandy	 Gastro	 Dol
 Arggrn	 Silt	 Oolite	 Grysh
 Arg	 Sil	 Ostra	 Gryslt
 Bent	 Sulphur	 Pelec	 Lms
 Bit	 Tuff	 Pellet	 Sandylms
 Brecfrag	 Chlorite	 Pisolite	 Sh
 Calc	 Dol	 Plant	 Sltstn
 Carb	 Sand	 Strom	
 Chtdk	 Sltly	 Fuss	
 Chtlt		 Oomold	
 Dol	<b>FOSSIL</b>		<b>TEXTURE</b>
 Feldspar	 Algae	<b>STRINGER</b>	 Boundst
 Ferrpel	 Amph	 Anhy	 Chalky
 Ferr	 Belm	 Arg	 Cryxln
 Glau	 Bioclst	 Bent	 Earthy
 Gyp	 Brach	 Coal	 Finexln
 Hvymin	 Bryozoa	 Dol	 Grainst
 Kaol	 Cephal	 Ls	 Lithogr
 Marl	 Coral	 Mrst	 Microxln
 Minxl	 Crin	 Sltstrg	 Mudst
 Nodule	 Echin	 Ssstrg	 Packst
 Phos	 Fish	 Carbsh	 Wackest
 Pyr	 Foram		

### OTHER SYMBOLS

#### POROSITY TYPE

- E Earthy
- F Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

#### SORTING

- W Well
- M Moderate
- P Poor

#### ROUNDING

- R Rounded
- F Subrnd
- a Subang
- A Angular

#### OIL SHOWS

- Even
- ◉ Spotted
- ◌ Ques
- ◻ Dead
- ⊠ Gas show

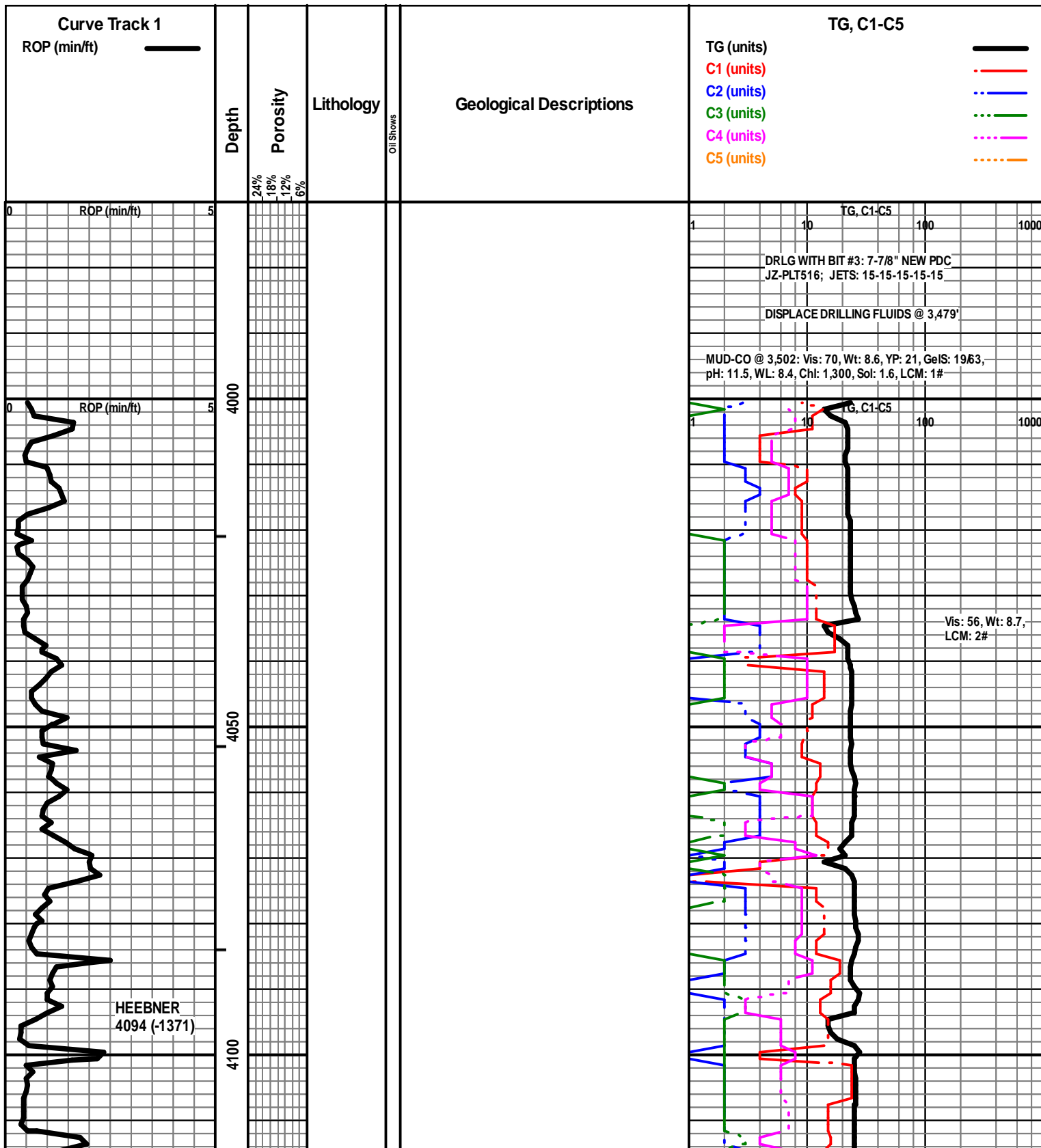
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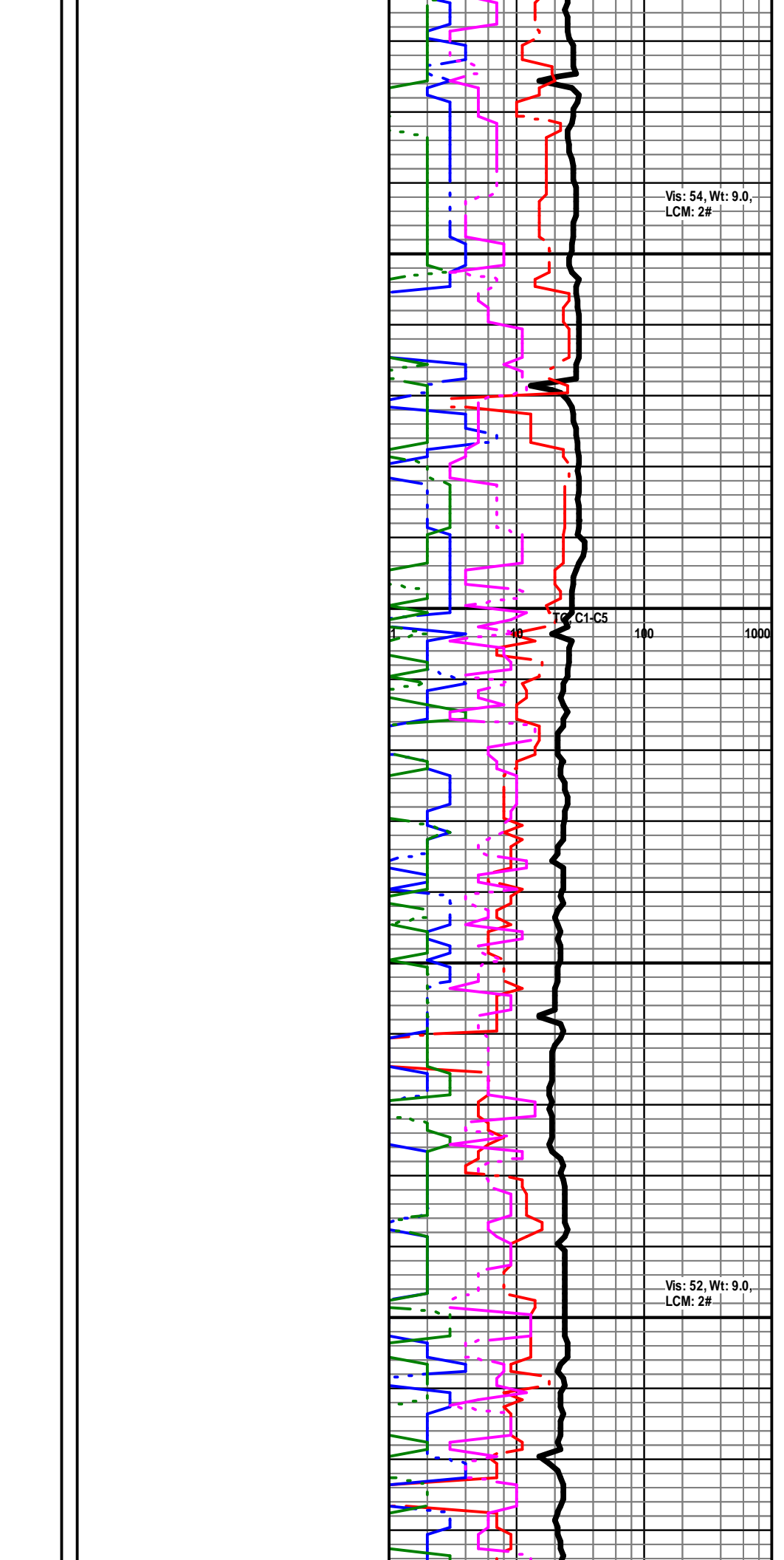
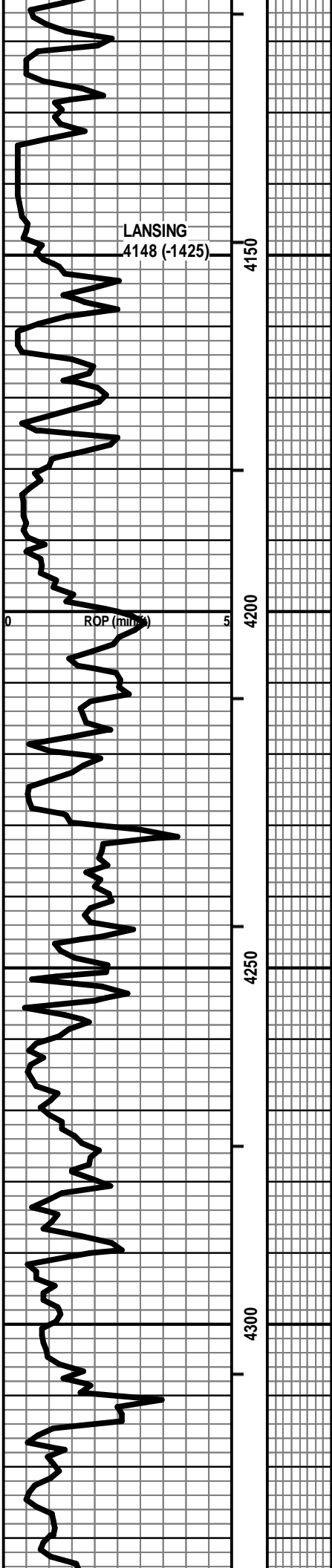
- Core
- ◻ Dst

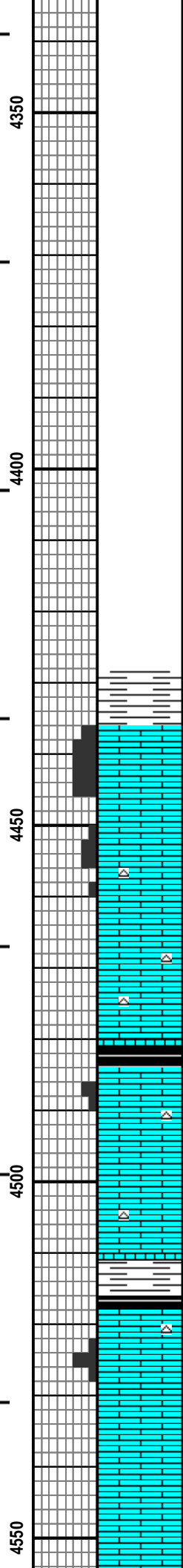
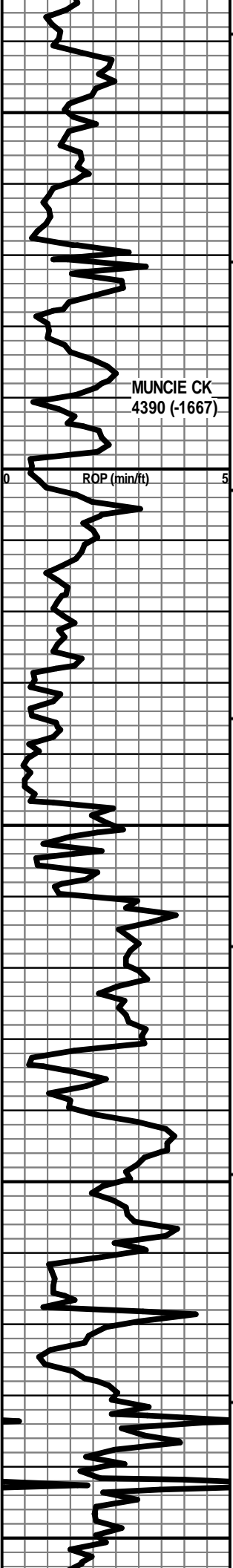
- Dst\_1\_t
- ◻ Dst\_1\_b
- Dst

#### EVENTS

- ▽ Rft
- ▾ Sidewall
- ▬ Conn







LS - CRM / TAN / GY, F / VF XLN, OOL, F / G OOM POR, SCAT CHKY, NS

ON LOCATION @ 4,440'

LS - ASABOVE, NS W/LS - TAN / GY / CRM, VF / F XLN, OOL IN PT, PRED DNS, NS W/ SCAT CHT - LT GY / TAN

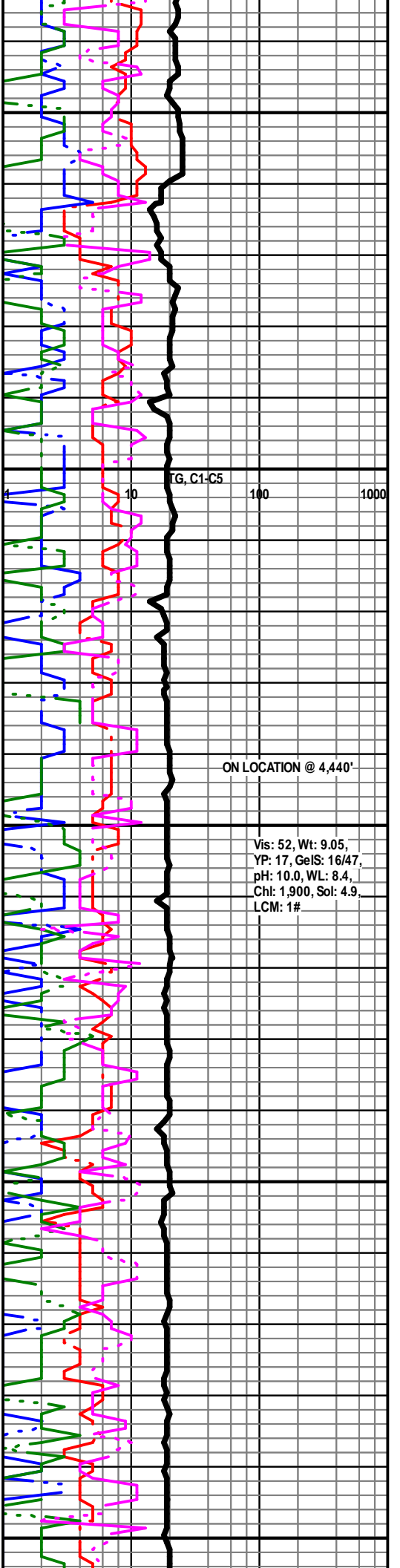
Vis: 52, Wt: 9.05,  
YP: 17, GelS: 16/47,  
pH: 10.0, WL: 8.4,  
Chl: 1,900, Sol: 4.9,  
LCM: 1#

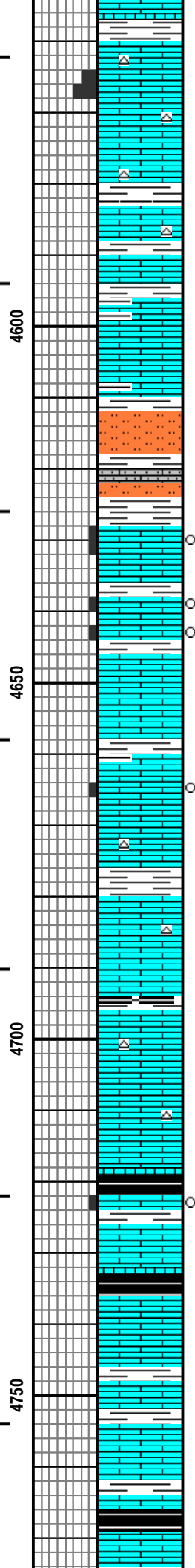
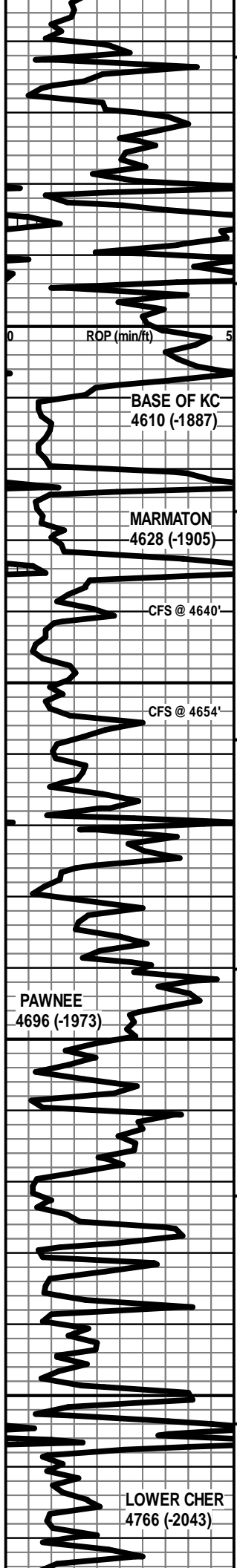
LS - ASABOVE, DNS, NS W/SH - BLK, CARB W/LS - CRM / TAN, F / VF XLN, OOL IN PT, P / F OOM POR IN PT TO DNS, NS W/ CHT - LT GY / WHT

LS - CRM / WHT / LT GY, VF / F XLN, SCAT OOL, CHKY IN PT, PRED DNS, NS W/ SCAT CHT - LT GY

SH - GY / BLK, CARB IN PT W/LS - PRED TAN / BRN, SCAT CRM / LT GY, F / VF XLN, SL OOL + FOSS, SCAT P / G OOM POR, PRED DNS TO CHKY, NS W/ SCAT CHT - LT GY

LS - TAN / CRM, F / VF XLN, SL OOL, CHKY IN PT, PRED DNS, NS





LS - ASABOVE W/LS - CRM / LT GY / SCAT TAN, MOT IN PT, F / VF XLN, OOL IN PT, P / F OOM POR IN PT, SCAT INTXLN POR, NS W/ CHT - LT GY

LS - TAN / BRN / GY, VF / F XLN, OOL IN PT, SL FOSS, PRED DNS, NS W/ CHT - LT GY / TAN W/ SH - GY

LS - BRN / GY, MOT IN PT, F / VF XLN, SCAT REXLN CALC, SCAT AREN, PRED DNS, NS W/ SH - GY

SH AND SLTST - PRED GY

LS - CRM / TAN, F XLN, OOL IN PT, P / SCAT F INTOOL / INTXLN POR, SCAT CHKY, SSSGB, NSFO, FT ODOR, NO STN

LS - TAN / BY / BRN, MOT IN PT, F XLN, SCAT REXLN CALC, SCAT P INTXLN POR, SSSGB, TR FO, F ODOR, NO STN

LS - SIM TO ABOVE, TAN / CRM, F XLN, SCAT REXLN CALC, TR P INTXLN POR, PRED DNS, VSSGB, VSSFO, F ODOR, TR SPTY STN, TR FLUOR + P / F CUT W/ MOD AMT SH - GY

LS - TAN / CRM / SCAT GY, F XLN, SCAT REXLN CALC, OOL IN PT, TR P INTXLN POR, PRED DNS, VSSFO, F ODOR, TR SPTY STN, TR FLUOR + P / F CUT

LS - TAN / CRM, VF / F XLN, SL FOSS + OOL, CHKY IN PT, PRED DNS, NS W/ CHT - TAN W/ MOD AMT SH - GY

LS - CRM / WHT / LY GY, VF / F XLN, SL FOSS, TR OOL, TR P INTXLN POR, CHKY IN PT, PRED DNS, NS W/ CHT - LT GY / WHT

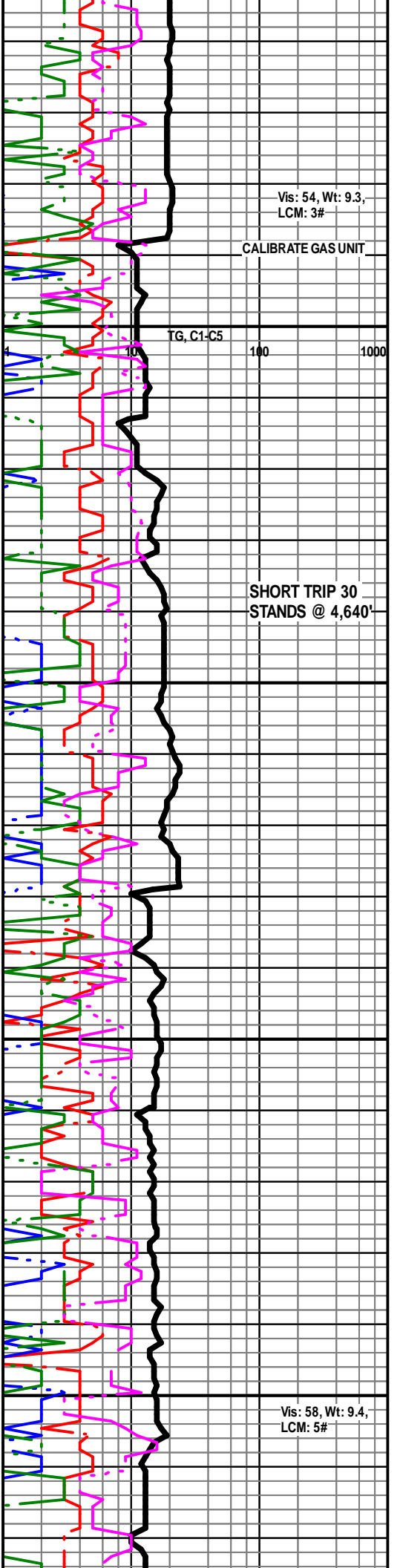
LS - V SIM TO ABOVE, PRED DNS / CHLY, NS W/ TR LS - TAN / CRM, F XLN, F / M REXLN CALC, TR P / F INTXLN POR, TR FO, FT ODOR, TR SPTY STN, TR FLUOR + P / G CUT W/ SH - BLK, CARB

**CHEROKEE 4733 (-2010)**

LS - TAN / CRM / BRN, VF / F XLN, SL FOSS, PRED DNS, NS W/ ABNT SH - GY / BLK, CARB IN PT

LS - TAN / GY / BRN, MOT IN PT, VF / F XLN, SL FOSS, PRED DNS, NS W/ MOD ABNT SH - PRED GY

LS - TAN / GY MOT IN PT PRED VF XLN OOL IN PT



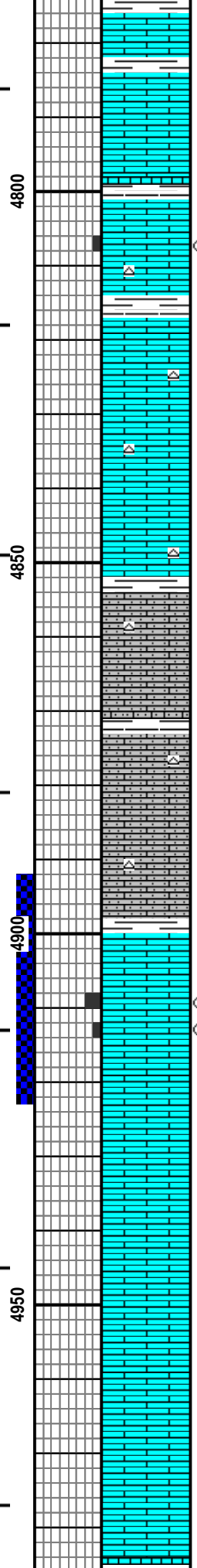
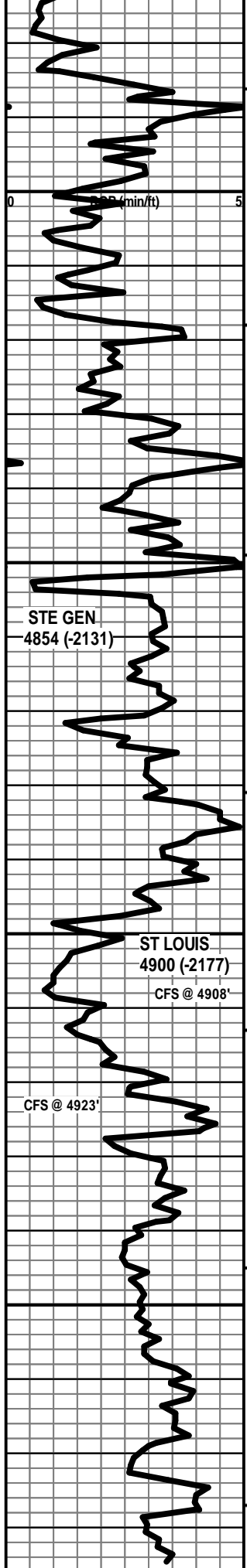
Vis: 54, Wt: 9.3, LCM: 3#

CALIBRATE GAS UNIT

TG, C1-C5 100 1000

SHORT TRIP 30 STANDS @ 4,640'

Vis: 58, Wt: 9.4, LCM: 5#



LS - CRM / TAN / WHT, F / VF XLN, SCAT REXLN CALC, FOSS IN PT, CHKY IN PT, PRED DNS, NS

LS - CRM / TAN / BRN, MOT IN PT, F / VF XLN, SCAT REXLN CALC, SL FOSS, SCAT P INTXLN POR, SSFO, FT ODOR, SCAT SPTY STN, SCAT F / G FLUOR + CUT, PRED DNS W/ SCAT CHT - LT GY / WHT / TAN

LS - CRM / TAN / BRN, MOT IN PT, F / VF XLN, SCAT REXLN CALC, SL FOSS, SUBCHKY IN PT, PRED DNS, NS W/ SCAT CHT - LT GY / WHT / TAN

LS - CRM / WHT, VF XLN, OOL, AREN, VF QTZ GR, SL GLAUC, SCAT CHKY, PRED DNS, NS W/ LS - SIM TO ABOVE, CRM / TAN / BRN, MOT IN PT, F / VF XLN, SCAT REXLN CALC, PRED DNS W/ SCAT CHT - AS ABOVE

LS - CRM / WHT, VF XLN, OOL, AREN, VF QTZ GR, SL GLAUC, SCAT CHKY, PRED DNS, NS W/ SCAT CHT - LT GY / WHT / TAN, OOL IN PT

LS - AS ABOVE W/ SCAT CHT - AS ABOVE

SH - LT GRN W/ ABNT MUDSTONE / LS - LT GRN / LT GY / SCAT CRM, MOT IN PT, SL OOL + FOSS, ARGIL / DNS, NS

MUDSTONE / LS - AS ABOVE W/ SCAT LS - CRM, F XLN, OOL, P / F INTOOL POR, CHKY IN PT, SL / F SFO, FT ODOR, SPTY STN, F / G FLUOR + CUT W/ SCAT M / C REXLN CALC, P / F INTXLN POR, S / F SFO, FT ODOR, SPTY STN, P / G FLUOR + CUT W/ LS - CRM / TAN, F / VF XLN, OOL IN PT, PRED CHKY / DNS, NS

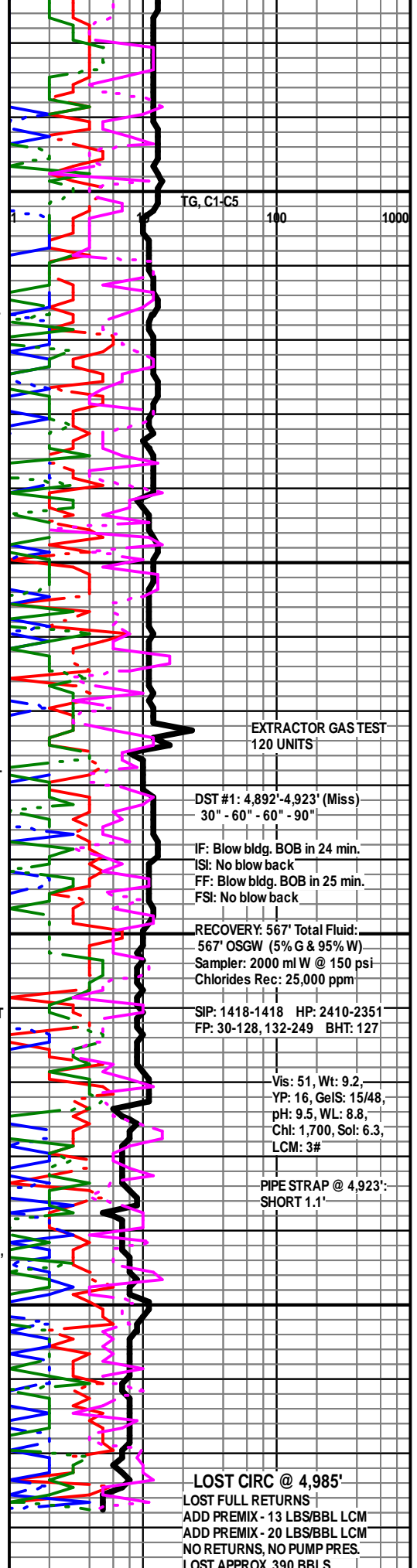
LS - CRM / WHT / TAN, F / VF XLN, SCAT REXLN CALC, OOL IN PT, AREN IN PT, SCAT P / F INTXLN POR, TR P INTOOL POR, CHKY IN PT / PRED DNS, VSSFO IN REXLN CALC, NS IN INTOOL POR, NO ODOR W/ SCAT CHT - LT GY / WHT

LS - CRM / WHT / GY / SCAT TAN, MOT IN PT, VF / F XLN, OOL IN PT, AREN IN PT, PRED DNS / SUBCHKY, NS

LS - CRM / TAN / GY / WHT, MOT IN PT, SCAT REXLN CALC, OOL IN PT, AREN IN PT, P / NO VIS POR, PRED DNS / SUBCHKY, NS

NO SAMPLES DUE TO LOST RETURNS

TOTAL DEPTH 4985 (-2262)



TG, C1-C5 100 1000

EXTRACTOR GAS TEST  
120 UNITS

DST #1: 4,892'-4,923' (Miss)  
30" - 60" - 60" - 90"

IF: Blow bldg. BOB in 24 min.  
ISI: No blow back  
FF: Blow bldg. BOB in 25 min.  
FSI: No blow back

RECOVERY: 567' Total Fluid:  
567' OSGW (5% G & 95% W)  
Sampler: 2000 ml W @ 150 psi  
Chlorides Rec: 25,000 ppm

SIP: 1418-1418 HP: 2410-2351  
FP: 30-128, 132-249 BHT: 127

Vis: 51, Wt: 9.2,  
YP: 16, GeIS: 15/48,  
pH: 9.5, WL: 8.8,  
Chl: 1,700, Sol: 6.3,  
LCM: 3#

PIPE STRAP @ 4,923':  
SHORT 1.1'

LOST CIRC @ 4,985'  
LOST FULL RETURNS  
ADD PREMIX - 13 LBS/BBL LCM  
ADD PREMIX - 20 LBS/BBL LCM  
NO RETURNS, NO PUMP PRES.  
LOST APPROX. 390 BBLs

