

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Riney Trust #2-23
API: 15-171-21257-0000
Location: Section 23 - T18S - R32W
License Number: _____
Spud Date: 07 / 18 / 2019
Surface Coordinates: 1338' FNL and 1773' FEL
NW - NE - SW - NE
Bottom Hole Coordinates: _____
Ground Elevation (ft): 2973' K.B. Elevation (ft): 2986'
Logged Interval (ft): 3700' To: 4666' Total Depth (ft): 4666'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

Region: Scott Co., KS
Drilling Completed: 07 / 25 / 2019

Printed by MudLog 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-HAOTC	4-16s	315'	315'	3.00
2	7-7/8	Taurex-TXT516	5-15s	4666'	4351'	63.00

SURVEYS: 315'-0.75, 4182'-2.00, 4410'-1.50, 4666'-1.50

GENERAL DRILLING & PUMP INFORMATION:

Collars: 18 joints (6.25"x2.25"): 530.14'
Drilling: 14,000-16,000 lbs on bit and 90-100 RPM.
Pumping: 65 S/M; 9.6 B/M; 800-900 psi at the standpipe.

Daily Status

07/18/19 - Spud at 7:00 PM; Set 8-5/8" csg @ 311'
 07/19/19 - 315' WOC; DP @ 2:45 PM
 07/20/19 - 1,575' Drilling
 07/21/19 - 3,248' Drilling; Displace drilling fluids @ 3,440'
 07/22/19 - 4,182' Prep for DST #1
 07/23/19 - 4,269' TIH w/ DST #2
 07/24/19 - 4,410' DST #3 in progress; TD 4,666' @ 10:20 PM
 07/25/19 - 4,666' Logging; Plug well

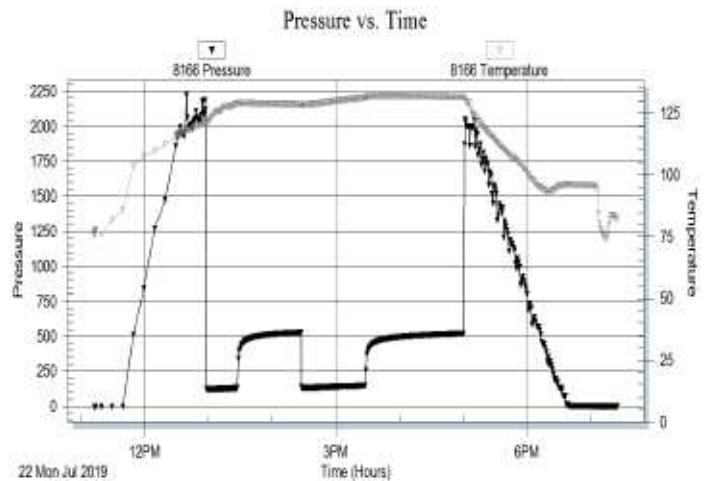
	Log Tops	Sample Tops
Anhydrite	2264 (+722)	2265 (+721)
Base / Anhydrite	2325 (+661)	2327 (+659)
Lecompton	3793 (-807)	3796 (-810)
Oread	3839 (-853)	3842 (-856)
Heebner	3900 (-914)	3902 (-916)
Lansing	3946 (-960)	3949 (-963)
Muncie Creek	4114 (-1128)	4116 (-1130)
Stark Sh	4223 (-1237)	4225 (-1239)
Hushpuckney Sh	4258 (-1272)	4260 (-1274)
Base of KC	4320 (-1334)	4326 (-1340)
Marmaton	4340 (-1354)	4342 (-1356)
Pawnee	4428 (-1442)	4432 (-1446)
Cherokee Sh	4472 (-1486)	4475 (-1489)
Lower Cher Sh	4500 (-1514)	4504 (-1518)
Johnson Zone	4531 (-1545)	4535 (-1549)
Morrow Sh	4565 (-1579)	4569 (-1583)
Mississippian	4583 (-1597)	4586 (-1600)
Total Depth	4663 (-1677)	4666 (-1680)

DST #1: 4,169' - 4,182' (LKC "I")
 30" - 60" - 60" - 90"

IF: Blow building to 2 inches
ISI: No return blow
FF: Blow building to 2.5 inches
FSI: No return blow

RECOVERY: 272' Total Fluid, consisting of:
 83' OCM (10% O, 90% M)
 126' OCWM (5% O, 10% W, 85% M)
 63' MCW (80% W, 20% M); Chlorides: 22,000 ppm
 Sampler: 1000 ml M, 1000 ml W & Oil spots @ 5 psi

SIP: 525-518; FP: 123-127, 133-143; HP: 2186-2050; BHT: 131

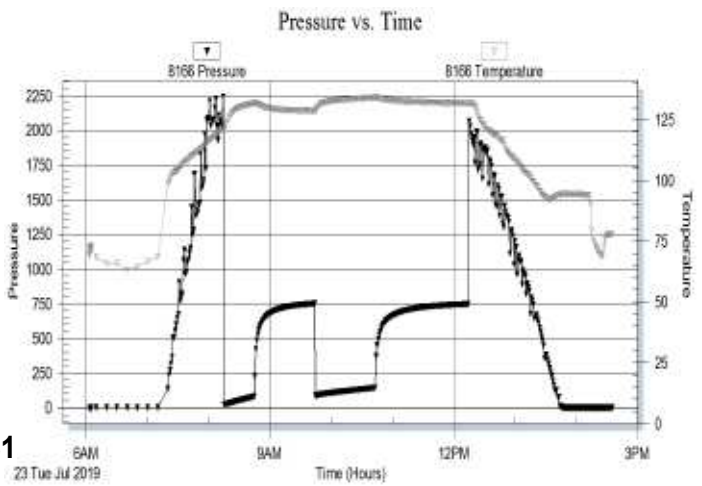


DST #2: 4,229' - 4,247' (LKC "K")
30" - 60" - 60" - 90"

IF: Blow building to 6.5 inches
ISI: No return blow
FF: Blow building to 9.5 inches
FSI: No return blow

RECOVERY: 302' Total Fluid, consisting of:
302' SMCW (92% W, 8% M); Chlorides: 37,000 ppm
Sampler: 200 ml Mud and 1800 ml Water @ 65 psi

SIP: 751-746; FP: 20-79, 82-142; HP: 2243-2069; BHT: 131

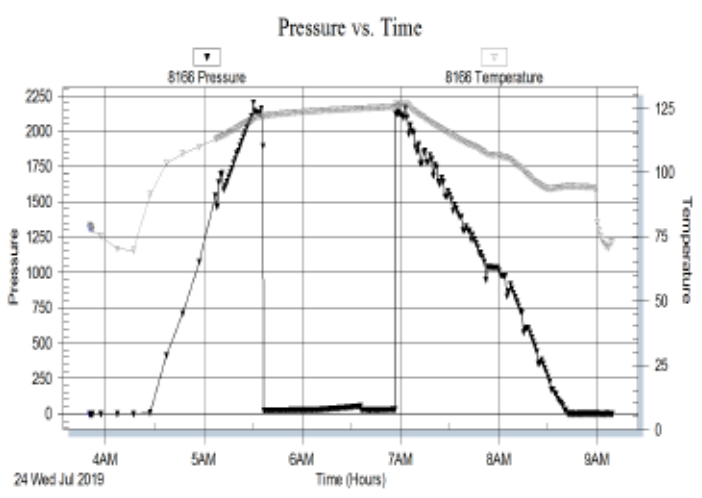


DST #3: 4,364' - 4,410' (Marmaton)
30" - 30" - 10" - 10"



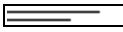

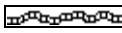



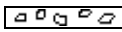



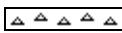



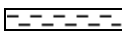
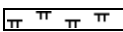



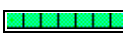



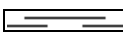

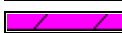
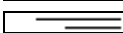

IF: Blow building to 0.6 in., then decr to 0.5 in.
ISI: No return blow
FF: No blow
FSI: No return blow

RECOVERY: 5' Total Fluid, consisting of:
5' OSM (100% Mud)
Sampler: 2000 ml Mud @ 2 psi

SIP: 50-27; FP: 18-22, 23-22; HP: 2159-2139; BHT: 125



ROCK TYPES

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

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
- Chlorite
- Dol
- Sand
- Stly

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram



- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh



- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS

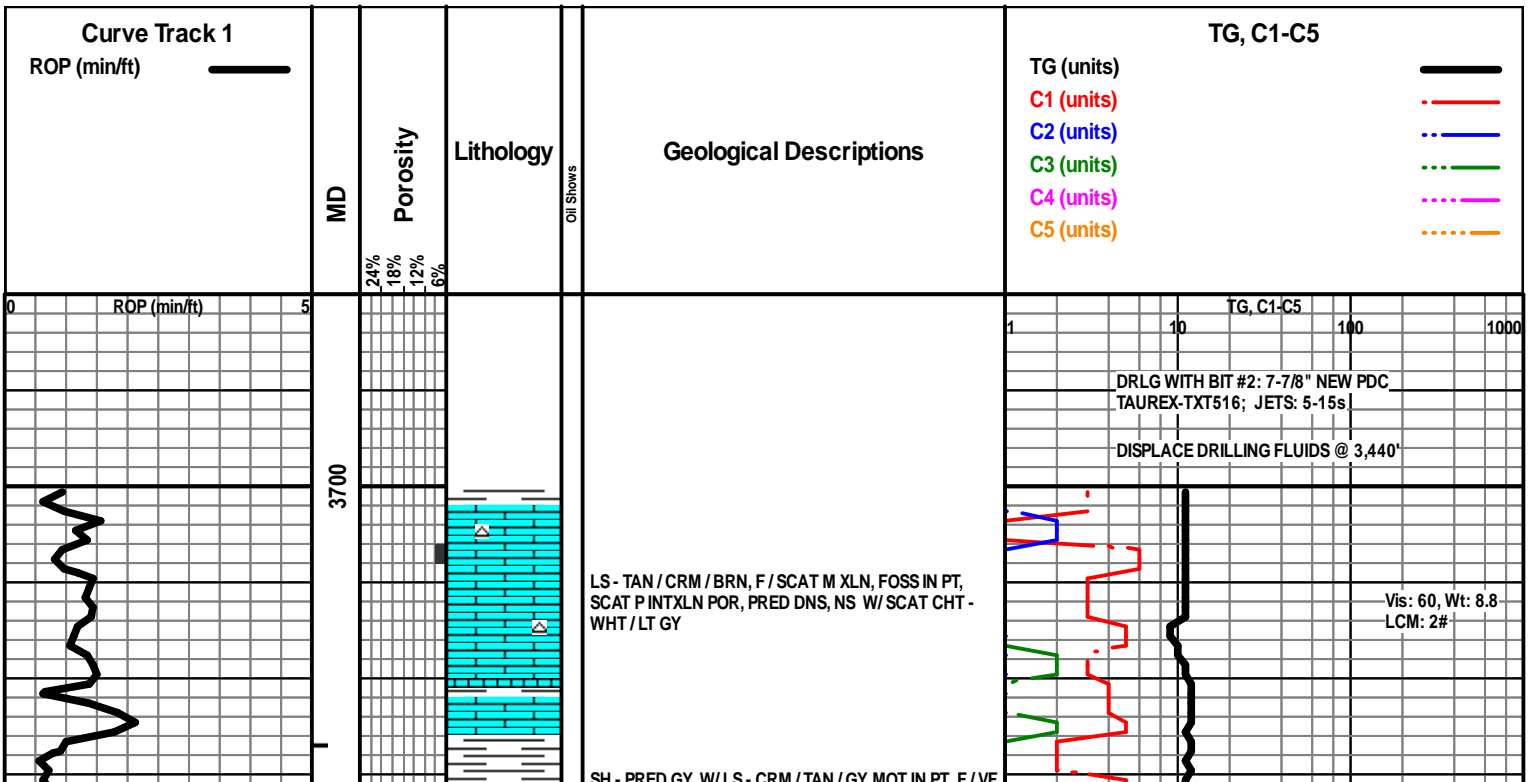
- Core
- Dst

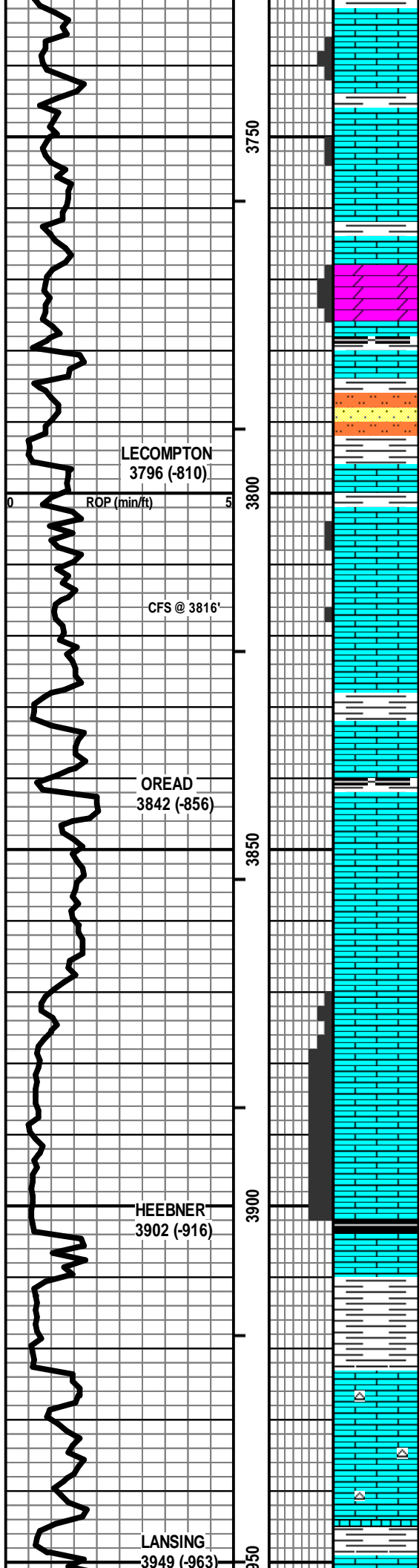


- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall
- Conn





LS - TAN / CRM, F / VF XLN, FOSS IN PT, SLOOL, TR P
 INTXLN POR, PRED DNS, NS

LS - TAN / CRM, F / VF XLN, FOSS IN PT, SLOOL, TR P
 INTXLN POR, PRED DNS, NS

LS - SIM TO ABOVE, PRED DNS, NS W/DOLO - CRM, F
 XLN, F INTXLN POR, NS

LS - TAN / BRN / GY, MOT IN PT, PRED F XLN, DNS, NS
 W/SLTST + SS - GY, SLT / VF GR, MIC, NS

LECOMPTON
 3796 (-810)

ROP (min/ft)

CFS @ 3816'

OREAD
 3842 (-856)

LS - CRM / TAN, F / VF XLN, FOSS + OOL IN PT, TR P
 INTXLN POR, SUBCHKY IN PT / DNS, TR GILS, NSFO,
 NO ODOR

LS - SIM TO ABOVE, NS

LS - TAN / BRN, MOT IN PT, PRED F XLN, PRED DNS, NS
 W/SH - GY

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

Vis: 60, Wt: 8.9
 LCM: 2#

LS - ASABOVE, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / TAN, F / SCAT M XLN, FOSS IN PT, SCAT
 OOL, F / G INTXLN + PPT POR, SCAT CHKY, NS

LS - ASABOVE, NS

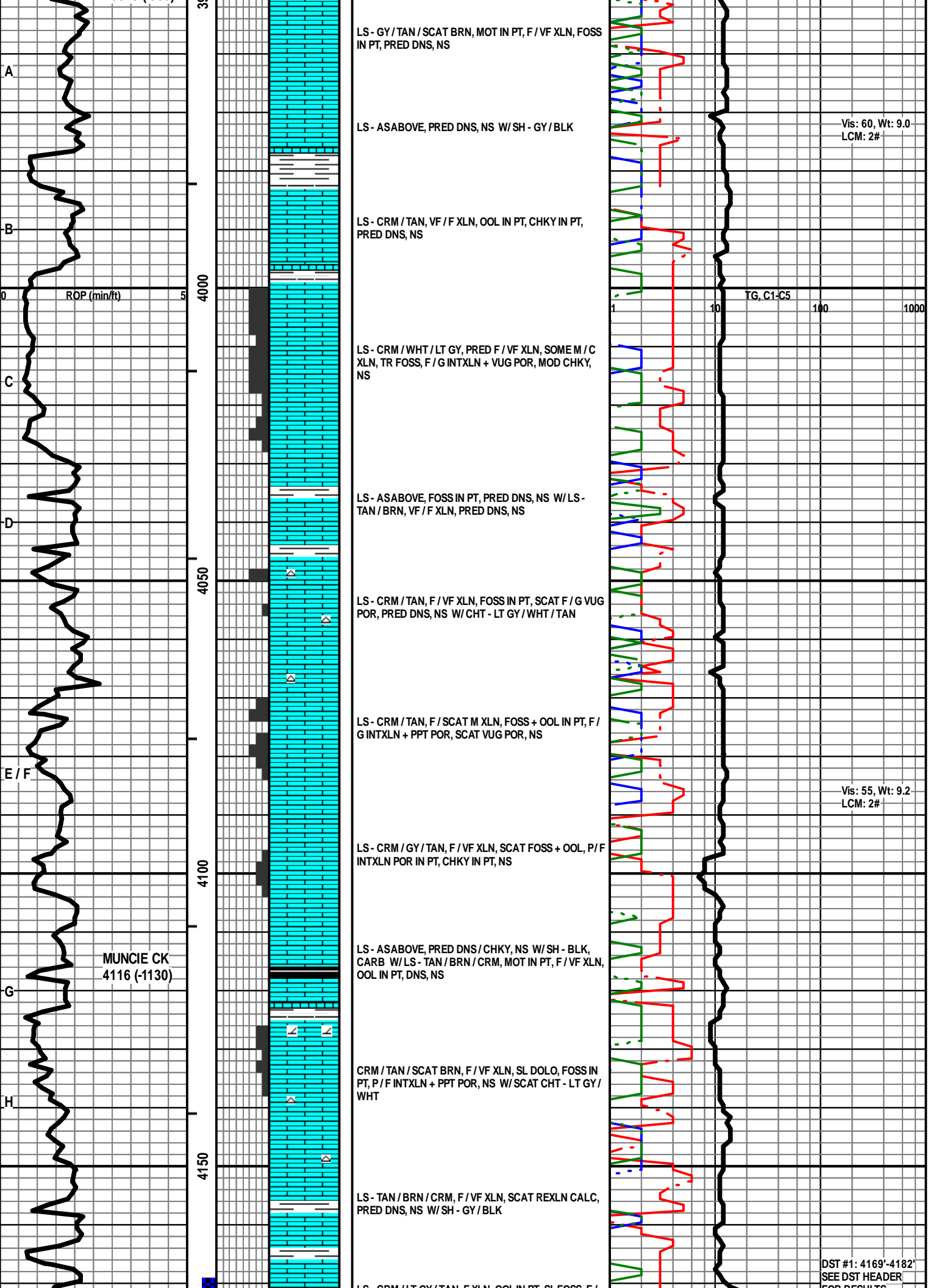
HEEBNER
 3902 (-916)

SH - BLK, CARB W/LS - TAN / BRN, MOT IN PT, F XLN,
 PRED DNS, NS W/SH - GY

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

LANSING
 3949 (-963)

TG, C1-C5



A

B

C

D

E / F

G

H

ROP (min/ft)

MUNCIE CK
4116 (-1130)

LS - GY / TAN / SCAT BRN, MOT IN PT, F / VF XLN, FOSS
IN PT, PRED DNS, NS

LS - ASABOVE, PRED DNS, NS W/ SH - GY / BLK

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

LS - CRM / WHT / LT GY, PRED F / VF XLN, SOME M / C
XLN, TR FOSS, F / G INTXLN + VUG POR, MOD CHKY,
NS

LS - ASABOVE, FOSS IN PT, PRED DNS, NS W/ LS -
TAN / BRN, VF / F XLN, PRED DNS, NS

LS - CRM / TAN, F / VF XLN, FOSS IN PT, SCAT F / G VUG
POR, PRED DNS, NS W/ CHT - LT GY / WHT / TAN

LS - CRM / TAN, F / SCAT M XLN, FOSS + OOL IN PT, F /
G INTXLN + PPT POR, SCAT VUG POR, NS

LS - CRM / GY / TAN, F / VF XLN, SCAT FOSS + OOL, P / F
INTXLN POR IN PT, CHKY IN PT, NS

LS - ASABOVE, PRED DNS / CHKY, NS W/ SH - BLK,
CARB W/ LS - TAN / BRN / CRM, MOT IN PT, F / VF XLN,
OOL IN PT, DNS, NS

CRM / TAN / SCAT BRN, F / VF XLN, SL DOLO, FOSS IN
PT, P / F INTXLN + PPT POR, NS W/ SCAT CHT - LT GY /
WHT

LS - TAN / BRN / CRM, F / VF XLN, SCAT REXLN CALC,
PRED DNS, NS W/ SH - GY / BLK

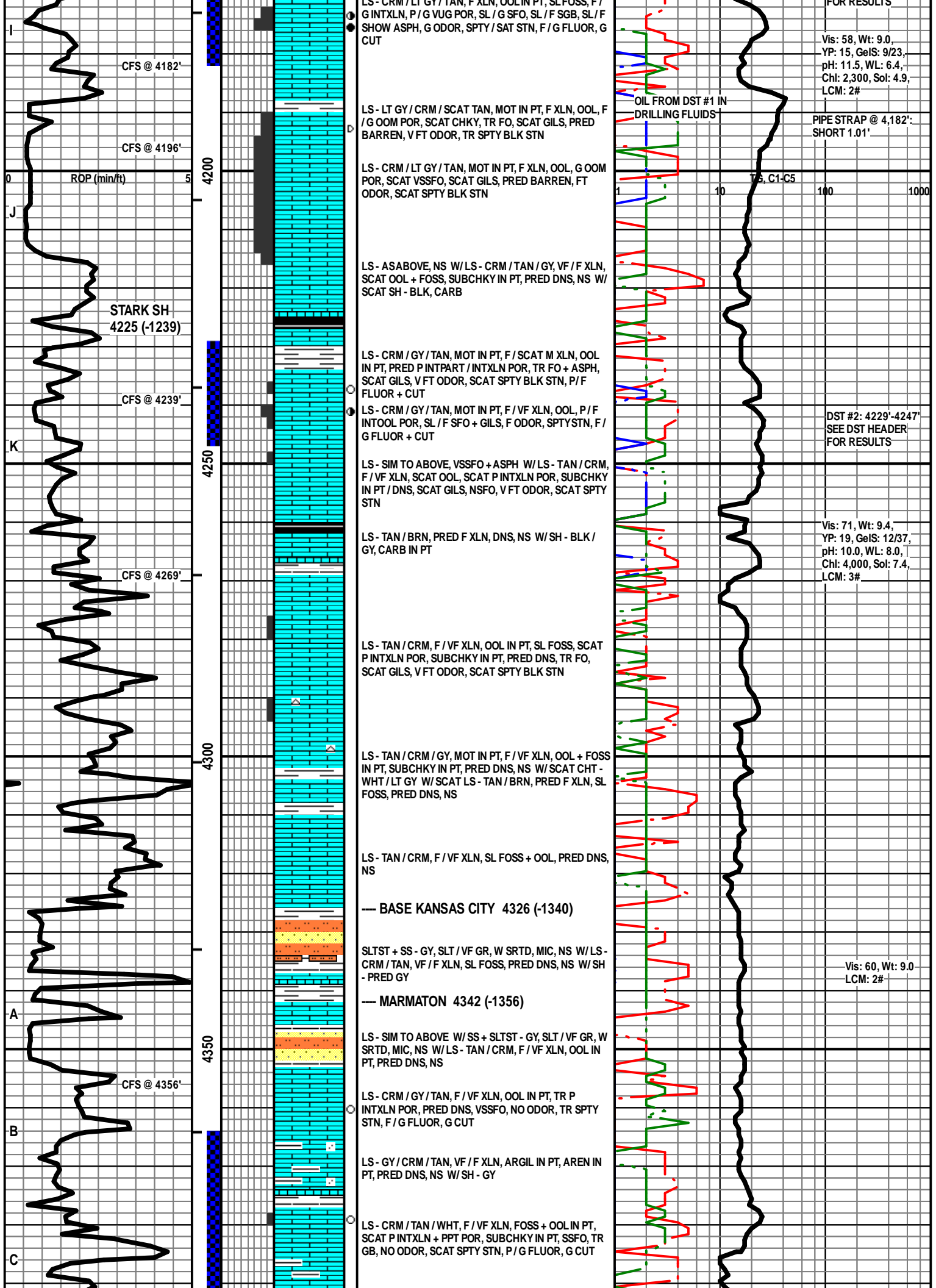
LS - CRM / LT GY / TAN, F / VF XLN, OOL IN PT, SL FOSS, F /

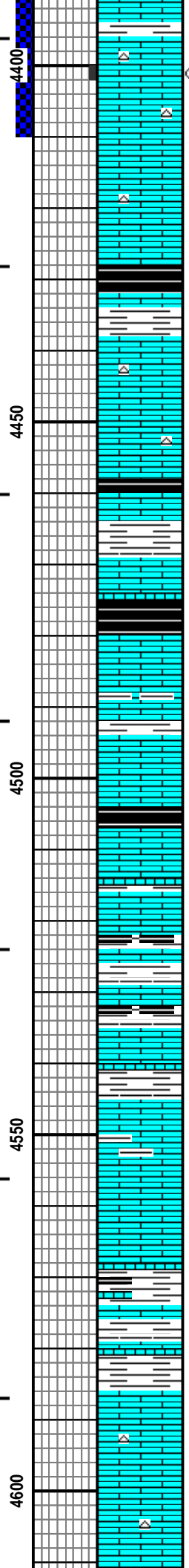
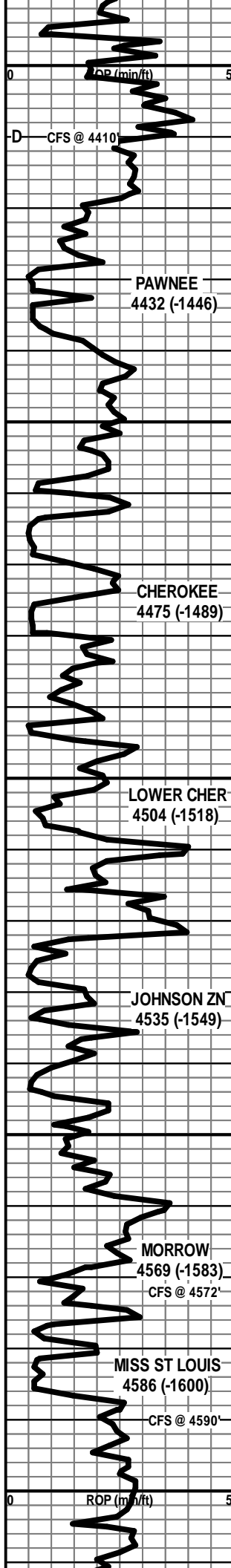
Vis: 60, Wt: 9.0
LCM: 2#

TG, C1-C5

Vis: 55, Wt: 9.2
LCM: 2#

DST #1: 4169'-4182'
SEE DST HEADER
FOR RESULTS





LS - ASABOVE, PRED DNS, NS W/SH - GY

LS - CRM / LT GY / TAN, MOT IN PT, F / M XLN, OOL IN PT, SCAT PINTXLN / INTPART POR, SSFO + GB, V FT ODOR, SCAT SPTY STN, F / G FLUOR, G CUT W/SCAT CHT - WHT / LT GY

LS - BRN / GY / TAN, MOT IN PT, PRED F XLN, SL FOSS + OOL, PRED DNS, ARGIL IN PT, NS W/SCAT CHT - LT GY / TAN

SH - DK GY / BLK, CARB IN PT W/LS - CRM / TAN / BRN, F / SCAT M XLN, FOSS IN PT, CHKYIN PT, PRED DNS, NS W/CHT - LT GY / WHT

LS - ASABOVE, NS W/SH - BLK, CARB W/LS - TAN / BRN, PRED F XLN, FOSS, PRED DNS, NS

SH - MED / DK GY W/LS - TAN / BRN, F XLN, FOSS IN PT, PRED DNS, NS

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

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

LS - CRM / TAN / BRN, MOT IN PT, F / VF XLN, FOSS IN PT, SCAT OOL, PRED DNS, NS W/SH - SCAT GY / BLK

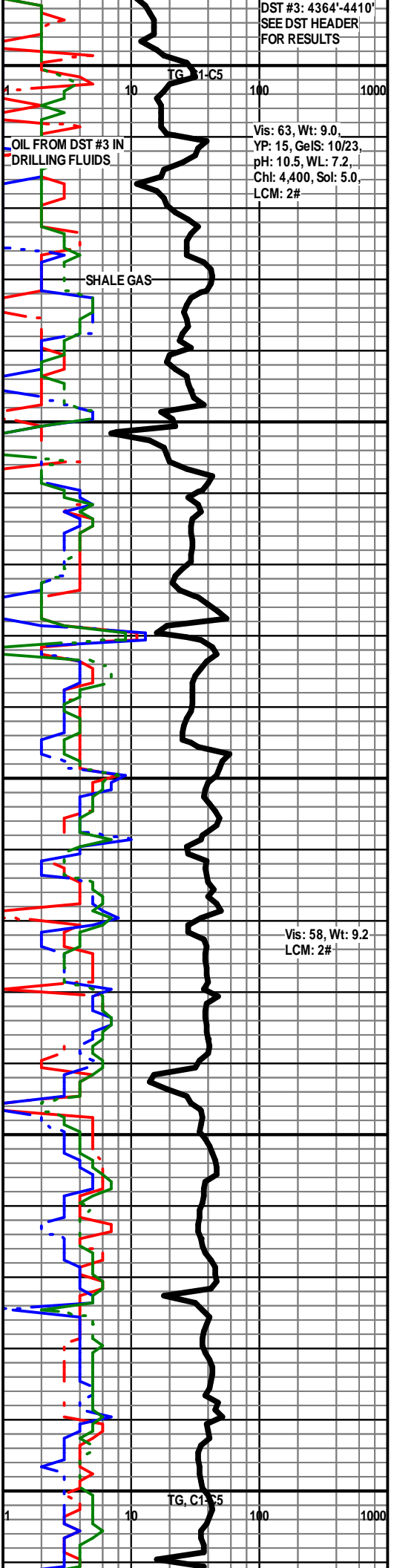
LS - TAN / CRM / BRN, MOT IN PT, F XLN, SCAT AREN, OOL IN PT, SL FOSS, PRED DNS, NS W/SH - GY / BLK, CARB IN PT

LS - TAN / CRM / BRN, MOT IN PT, F / VF XLN, SCAT OOL + FOSS, SUBCHKY IN PT, PRED DNS, NS W/SH - PRED GY

LS - ASABOVE, PRED DNS, NS W/SH - GY / BLK

SH - GY / BLK / SCAT GRN, SLTYIN PT W/LS - TAN / BRN / SCAT GY, MOT IN PT, F / SCAT M XLN, TR C XLN, SL FOSS, PRED DNS, NS W/SCAT LS - CRM / WHT, VF / F XLN, OOL, SUBCHKY, PRED DNS, NS

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



DST #3: 4364'-4410'
SEE DST HEADER FOR RESULTS

Vis: 63, Wt: 9.0,
YP: 15, GelS: 10/23,
pH: 10.5, WL: 7.2,
Chl: 4,400, Sol: 5.0,
LCM: 2#

Vis: 58, Wt: 9.2
LCM: 2#

PAWNEE
4432 (-1446)

CHEROKEE
4475 (-1489)

LOWER CHER
4504 (-1518)

JOHNSON ZN
4535 (-1549)

MORROW
4569 (-1583)
CFS @ 4572'

MISS ST LOUIS
4586 (-1600)
CFS @ 4590'

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

LS - CRM / TAN, PRED F / VF XLN, SCAT CRYPTO XLN,
OOL IN PT, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / TAN, PRED F / VF XLN, SCAT CRYPTO XLN,
OOL IN PT, CHKY IN PT / DNS, NS W/ SS - LT GRN / LT
GY, VF / F / SCAT M GR, FW / W SRTD, SR / R, CALC
CEM, P / SCAT F INTGR POR, NS W/ SH - GY / BLK,
CARB IN PT, BLOCKY, PYR IN PT

TOTAL DEPTH 4666 (-1680)

Vis: 58, Wt: 9.2
LCM: 2#

4650

4700

