

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Randall #1-26
Location: Section 26 - T17S - R33W
License Number: API: 15-171-20943
Spud Date: 05 / 20 / 2013
Surface Coordinates: 1321' FSL and 1631' FWL
Approx. W/2 - E/2 - SW

Region: Scott Co., KS
Drilling Completed: 05 / 31 / 2013

Bottom Hole
Coordinates:
Ground Elevation (ft): 3006' K.B. Elevation (ft): 3013'
Logged Interval (ft): 3700' To: 4880' Total Depth (ft): 4880'
Formation: Mississippian
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: 155 N. Market, Suite 710
Wichita, Kansas 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ-L116	3-14s	392	392	4.00
2	7-7/8	JZ-PL519	5-13s	2314	1922	24.50
3	7-7/8	JZ-ENP0123	3-14s	4785	2471	90.00
4	7-7/8	JZ-QX33	3-14s	4880	95	7.75

SURVEYS: 392'-0.50, 907'-0.75, 1439'-0.75, 1934'-1.00,
2407'-0.25, 2907'-0.50, 4785'-1.00

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 36,000-38,000 lbs. on bit and 70-75 RPM.
Running 8 stands of collars (6.25"x2.25"): 492.70'
Pumping 60 S/M, 7.32 B/M, and 950 psi at standpipe.

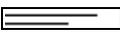
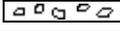
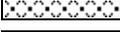
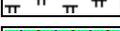
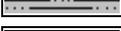
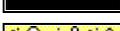
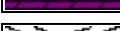
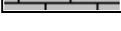
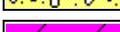
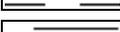
Daily Status

05/20/13 - MIRT & RU; Spud at 9:00 PM
 05/21/13 - 392' Setting csg; Set 8-5/8" csg. @ 387'
 05/22/13 - 618' Drilling with PDC bit
 05/23/13 - 2,158' Circ; Bit trip @ 2,314'; Stuck; Spot oil; Free
 05/24/13 - 2,314' TIH with conv. bit; Drilling & Repairs
 05/25/13 - 2,751' Drilling
 05/26/13 - 3,376' Drilling; Displace @ 3,430'
 05/27/13 - 3,862' Drilling
 05/28/13 - 4,290' Drilling
 05/29/13 - 4,653' Drilling; Bit trip @ 4,785'
 05/30/13 - 4,785' TIH with bit #4; RTD @ 4,880'; Log well

DSTs

None

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

MINERAL		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		Silty		Fuss		
	Chtlt	FOSSIL			Oomold	TEXTURE	
	Dol		Algae		STRINGER		Boundst
	Feldspar		Amph		Anhy		Chalky
	Ferrpel		Belm		Arg		Cryxln
	Ferr		Bioclst		Bent		Earthy
	Glau		Brach		Coal		Finexln
	Gyp		Bryozoa		Dol		Grainst
	Hvymn		Cephal		Gyp		Lithogr
	Kaol		Coral		Ls		Microxln
	Marl		Crin		Mrst		Mudst
	Minxl		Echin		Sltstrg		Packst
	Nodule		Fish		Ssstrg		Wackest
	Phos		Foram		Carbsh		
	Pyr						

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

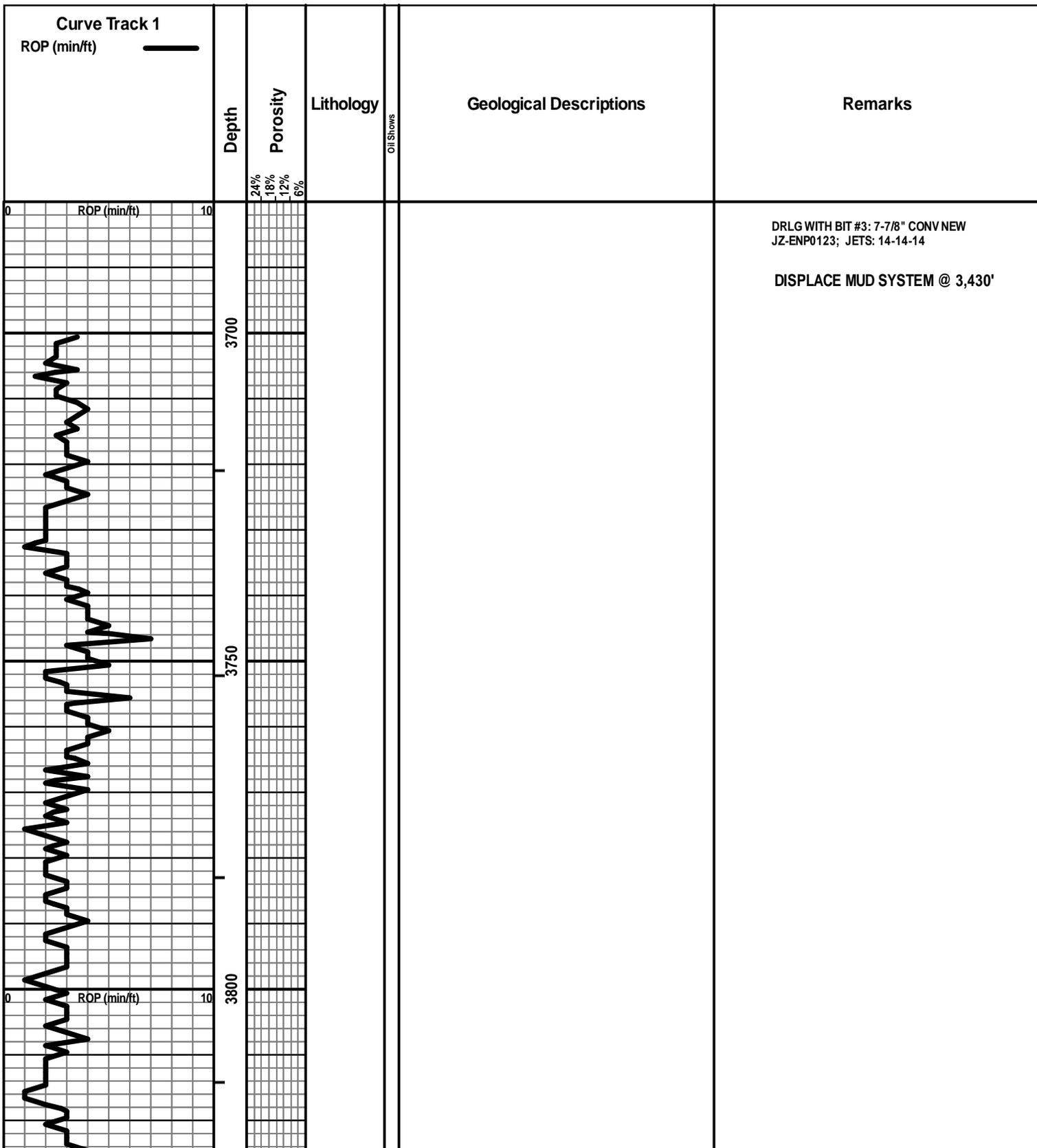
INTERVALS

- Core
- Dst

- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall
- Conn



Vis: 48, Wt: 9.0, YP: 19,
GelS: 14/35, pH: 10.0, WL: 8.0,
Chl: 3,800, Sol: 4.8, LCM: 1#

LS - CRM / GY / SCAT TAN, F XLN, FOSS, F / G INTXLN POR,
SCAT VUG + FOSSMOLD POR, CHKY IN PT, SCAT DNS, TR
GILS, NSFO, NO ODOR W/ SCAT CHT - LT GY / WHT

LS - CRM / TAN / SCAT GY, VF / F XLN, F / G INTXLN POR,
MOD AMT CHKY / DNS, NS W/ SCAT CHT - LT GY / WHT

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

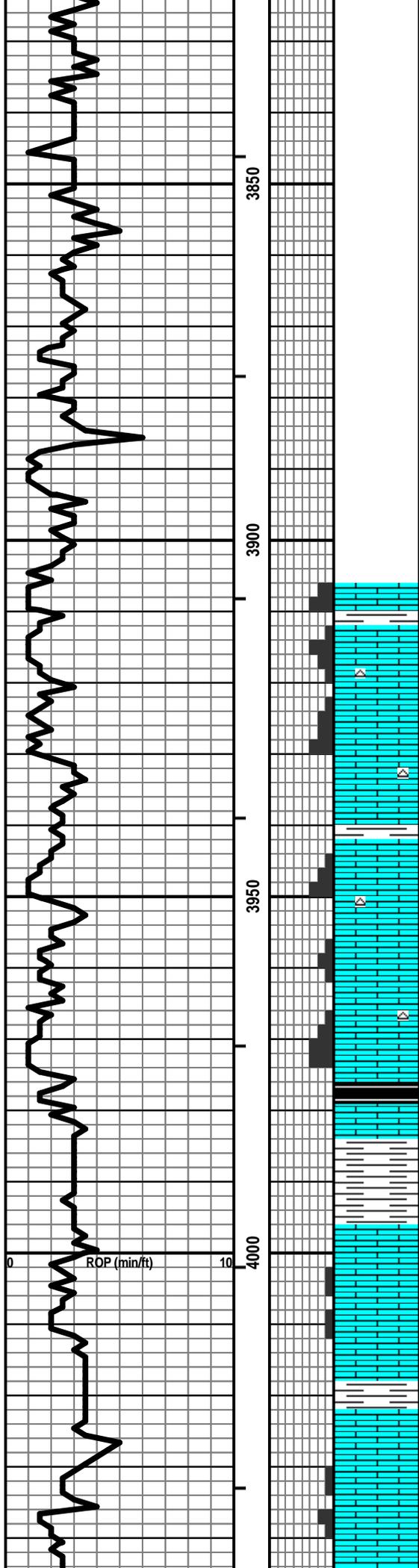
LS - CRM / WHT, F XLN, FOSS IN PT, SCAT P INTXLN POR, TR
P VUG POR, CHKY IN PT, PRED DNS, NS W/ CHT - WHT / LT
GY, FOSS IN PT

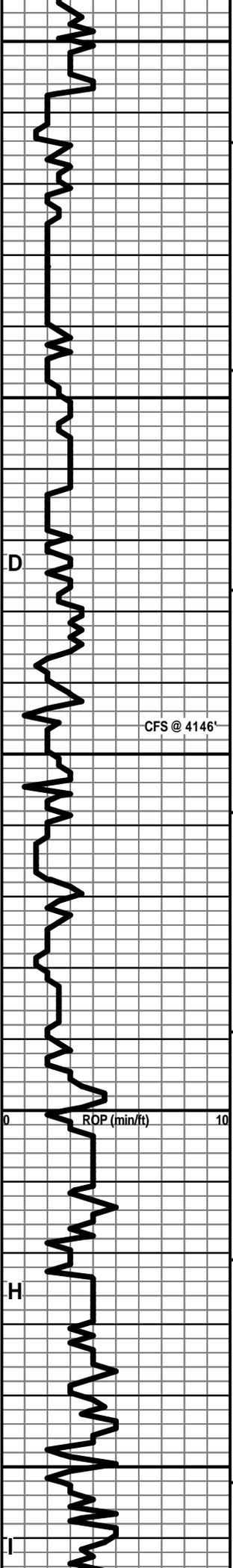
LS - CRM / SCAT TAN, PRED F XLN, FOSS, OOL IN PT, P / F
VUG + INTXLN / INTPART POR, TR SCAT STN, NSFO, NO
ODOR

HEEBNER 3976 (-963)

TORONTO 3996 (-983)

LANSING 4022 (-1009)





4050
4100
4150
4200
4250

D

H

I

CFS @ 4146'

ROP (min/ft)

LS - CRM / TAN, F / SCAT M XLN, OOL + FOSS IN PT, SCAT P / F INTPART + VUG POR, NS

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

LS - CRM / GY / TAN, MOT IN PT, F / SCAT M XLN, OOL IN PT, TR P INTPART / INTXLN POR, NS W/ SCAT CHT - LT GY / WHT

LS - CRM / TAN / SCAT GY, PRED F XLN, OOL + FOSS, P / F / TR G INTPART + PPT POR, NS, NO ODOR W/ SCAT CHT - LT GY / WHT

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

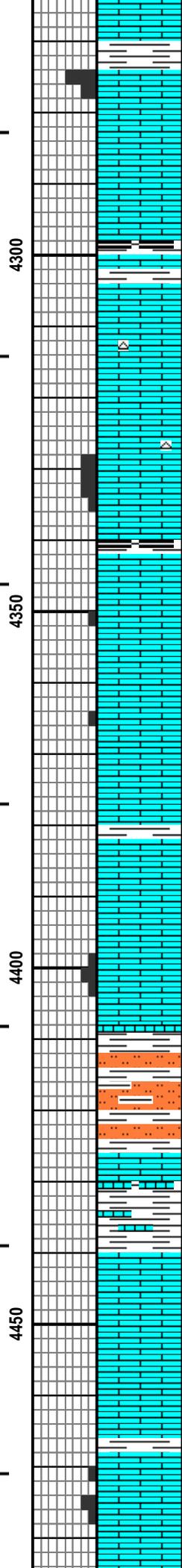
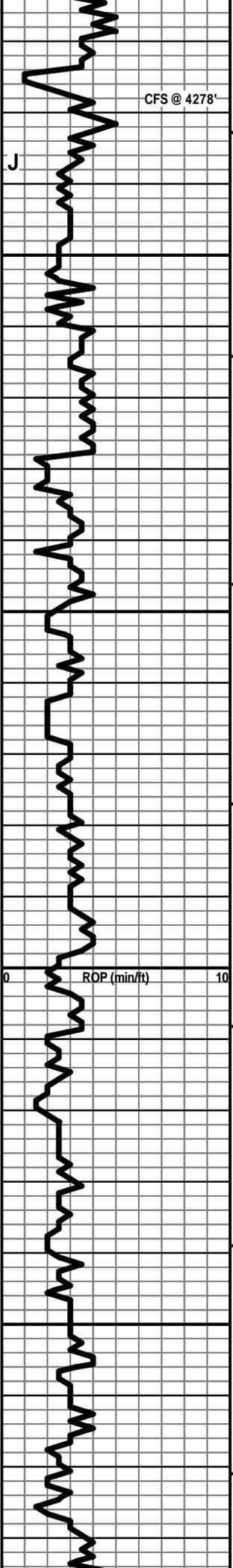
LS - CRM / TAN / GY, VF / F XLN, FOSS + OOL IN PT, P / SCAT F INTXLN + PPT POR IN PT, CHKY IN PT, NS W/ SCAT CHT - LT GY / WHT

LS - CRM / GY / TAN, VF / F XLN, OOL IN PT, SCAT P / F PPT + INTXLN POR, TR VUG POR, NS

LS - CRM / GY / TAN, VF / F XLN, SCAT OOL, PRED DNS, NS W/ SCAT SH - GY

LS - CRM / TAN / SCAT GY, VF / F / SCAT M XLN, OOL IN PT, TR P INTOOL + VUG POR, SCAT CHKY, PRED DNS, NS

MUNCIE CREEK 4200 (-1187)



LS - CRM / LT GY / TAN, F XLN, OOL, F / G OOM + INTXLN POR, NS

LS - CRM / TAN / GY, VF / F XLN, SCAT REXLN CALC, SL FOSS + OOL, SCAT CHKY, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SCAT OOL + FOSS, CHKYIN PT, PRED DNS, NS W/ SCAT CHT - GY / CRM / WHT

LS - CRM / TAN, PRED F XLN, OOL IN PT, F INTXLN + OOM POR IN PT, SCAT CHKY / DNS, NS

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

LS - V SIMILAR TO ABOVE, CHKYIN PT, PRED DNS, NS

LS - CRM / TAN / SCAT BRN, VF / F XLN, FOSS, OOL IN PT, SCAT P / TR F INTXLN + MOLDIC POR, PRED DNS, NS

SH + SLTST - GY / GRN / SCAT RED

LS - CRM / GY, VF / F XLN, FOSS IN PT, PRED DNS, NS W/ SH - PRED GY

LS - CRM / WHT / TAN, F XLN, OOL, TR P INTOOL POR, PRED DNS, NS, NO ODOR

LS - CRM / TAN, MOT IN PT, F XLN, OOL, P / TR F INTOOL POR, TR UNCONS OOL, NS, NO ODOR

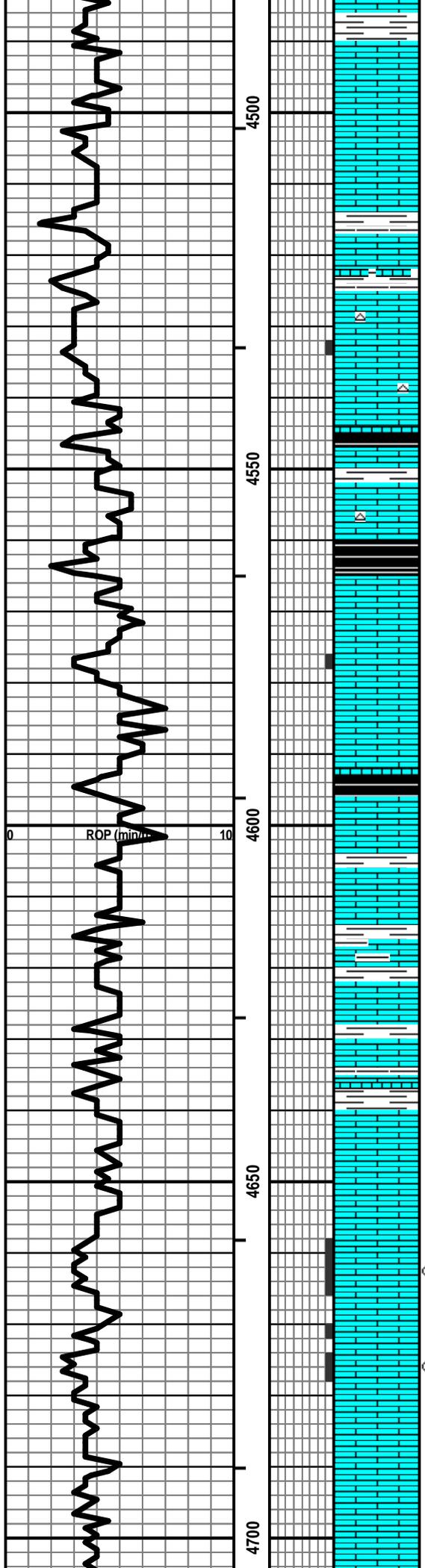
STARK SHALE 4298 (-1285)

Vis: 49, Wt: 9.3, YP: 18,
 GeIS: 14/35, pH: 9.0, WL: 9.6,
 Chl: 4,000, Sol: 7.0, LCM: 0.5#

BASE OF KC 4409 (-1396)

MARMATON 4440 (-1427)

Vis: 59, Wt: 9.2, LCM: 0.5#



LS - TAN / BRN / SCAT CRM, F XLN, SCAT REXLN CALC, SCAT OOL + FOSS, PRED DNS, NS

PAWNEE 4517 (-1504)

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

LS - CRM / TAN / SCAT BRN, VF / F XLN, SL FOSS, TR P INTXLN POR, PRED DNS, NS, NO ODOR W/ SCAT CHT - GY / TAN

CHEROKEE SH 4560 (-1547)

Vis: 65, Wt: 9.5, LCM: 0.5#

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

LS - CRM / TAN / SCAT BRN, VF / F XLN, FOSS + OOL IN PT, TR P MOLDIC + PPT POR, PRED DNS, NS

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

JOHNSON ZONE 4630 (-1617)

LS - TAN / CRM / BRN, VF / F XLN, SL FOSS, SCAT CHKY, PRED DNS, NS W/ SH - GY / BLK / GRN

Vis: 46, Wt: 9.3, YP: 17, GelS: 13/34, pH: 10.5, WL: 8.8, Chl: 5,300, Sol: 6.8, LCM: 0.5#

LS - CRM / TAN / SCAT GY, F / VF XLN, SL FOSS, PRED DNS, NS W/ SH - GY W/ MOD AMT RED BEDS / CAVINGS

JET #2 AND ADD PREMIX

LS - CRM / TAN / SCAT GY, F / VF XLN, SL FOSS, TR P INTXLN POR, NSFO, V FT ODOR, TR SPTY STN, ASPH IN PT W/ MOD AMT RED BEDS / CAVINGS

LS - CRM / TAN / SCAT GY, F / VF XLN, SL FOSS, SCAT P INTXLN + PPT POR, VSS V LT FO + OILY FILM, F ODOR, SCAT SPTY STN W/ MOD AMT RED BEDS / CAVINGS

LS - CRM / TAN, F / VF XLN, SL FOSS, TR P INTXLN POR, PRED DNS, NSFO, NO ODOR, TR SPTY STN W/ ABNT RED BEDS / CAVINGS

MORROW SH 4707 (-1694)

Vis: 50, Wt: 9.3, LCM: 0.5#

SH - MED / DK GY, SLTY IN PT W/ SCAT SS - GY, SLT / VF QTZ GR, MIC, ARGIL IN PT, NO VIS POR, NS W/ ABNT RED BEDS / CAVINGS

CFS/CTCH @ 4721'

SS - LT GY, VF / F / SCAT M QTZ GR, PRED W SRTD, SA / SR, SIL CEM, P / F INTGR POR IN PT, NS, NO ODOR W/ MOD RED BEDS / CAVINGS

SS - LT GY, VF / F / SCAT M QTZ GR, PRED W SRTD, SA / SR, SIL CEM, TR GLAUC, F INTGR POR IN PT TO V TITE, NS, NO ODOR W/ MOD RED BEDS / CAVINGS

4750

SS - LT GY / SCAT CRM, VF / M QTZ GR, SA / SR, W / FW SRTD, SIL CEM, TR GLAUC, P / F INTGR POR IN PT, NS, NO ODOR W/ MOD RED BEDS / CAVINGS

ABNT SH - GY / GRN / BRN / RED W/ MOD AMT SS - AA, NS W/ SCAT RED BEDS / CAVINGS

PRED SH - GY / GRN / BRN / RED W/ SCAT SS - AA, NS W/ SCAT RED BEDS / CAVINGS

PRED SH - GY / GRN / BRN / RED W/ SCAT SS - AA, NS W/ SCAT RED BEDS / CAVINGS

CFS @ 4785'

BIT TRIP @ 4,785'

MISS. ST GEN 4789 (-1776)

PIPE STRAP @ 4785: LONG 0.81'
DRLG WITH BIT #4: 7-7/8" CONV
JZ-QX33; JETS: 14-14-14

LS - CRM / WHT, MOT IN PT, VF / SCAT F XLN, AREN, VF QTZ GR, OOL, CHKY IN PT, PRED DNS, NS

ROP (mm/ft)

4800

LS - CRM / WHT, VF / SCAT F XLN, AREN, VF QTZ GR, OOL, CHKY IN PT, PRED DNS, NS

Vis: 53, Wt: 9.2, YP: 20,
Gel: 14/39, pH: 10.5, WL: 8.8,
Chl: 6,000, Sol: 6.1, LCM: 0.5#

LS - AS ABOVE W/ LS - CRM / SCAT TAN, VF / CRYPTO XLN, PRED DNS, NS

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

4850

LS - PRED CRM / TAN, VF / F / SCAT CRYPTO XLN, SCAT OOL, SCAT CHKY, PRED DNS, NS W/ SCAT CHT - LT / MED GY / TAN

LS - PRED CRM / TAN, VF / F XLN, SCAT OOL, SCAT CHKY, PRED DNS, NS W/ SCAT CHT - LT / MED GY / TAN W/ SCAT SH - GY / GRN

4900

TOTAL DEPTH 4880 (-1867)