

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: NKD Farms-Felder Unit #1-6
Location: Section 6 - T16S - R21W
License Number: API: 15-135-25902
Spud Date: 02 / 22 / 2016
Surface Coordinates: 135' FSL and 1715' FEL
SW - SE - SW - SE
Region: Ness Co., KS
Drilling Completed:
Bottom Hole Coordinates:
Ground Elevation (ft): 2400' K.B. Elevation (ft): 2405'
Logged Interval (ft): 3700' To: Total Depth (ft):
Formation:
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: Murfin Drilling, Rig #16

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Varel-ERT-RR	3-15s	302	302	4.75
2	7-7/8	HTC-GX20C	18-16-16			

SURVEYS: 302'-0.25, 4322'-1.00

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 35,000 lbs on bit and 75-80 RPM.
Drilling with 7-1/2 stands of collars (6.25"x2.25"): 451.49'
Pumping 62 S/M; 8.0 B/M; 700-800 psi at standpipe.



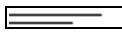

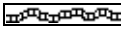



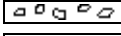
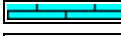


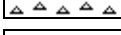


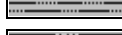

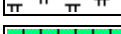

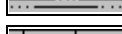



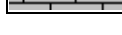

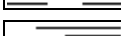

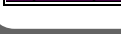


Daily Status

02/22/16 - Spud at 4:30 PM; Set 8-5/8" csg @ 301'
 02/23/16 - 302' Drilling
 02/24/16 - 2,080' Drilling
 02/25/16 - 3,060' Drilling; Displace @ 3,180'
 02/26/16 - 3,720' Drilling
 02/27/16 - 4,212' CFS; Short trip @ 4,212'; DST #1 @ 4,322'
 02/28/16 - 4,327' TOH for DST #2






















































































DSTs

DST #1: 4,309' - 4,322' (Cherokee "C" Sand)
 30" - 30" - 0" - 0"
 IF: Fair blow building to BOB in 18 minutes
 ISi: No blow back
 RECOVERY: 170' GIP & 145' Total Fluid:
 115' CO (100% O)
 30' O&GCM (10% G, 20% O & 70% M)
 Sampler: 1000 ml G & 2000 ml O @ 70 psi
 Oil Gravity: 41 API
 SIP: 511; FP: 23-66; HP: 2141-2109; BHT: 120

ROCK TYPES

 Anhy	 Gyp	 Shgy	 Sandylms
 Bent	 Igne	 Sltst	 Shale
 Brec	 Lmst	 Ss	 Sltstn
 Cht	 Meta	 Till	 Shlyslts
 Clyst	 Mrlst	 Carb sh	 Slttysh
 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	 Sltly	 Fuss	
 Chtlt		 Oomold	
 Dol	FOSSIL		TEXTURE
 Feldspar	 Algae	STRINGER	 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

- 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

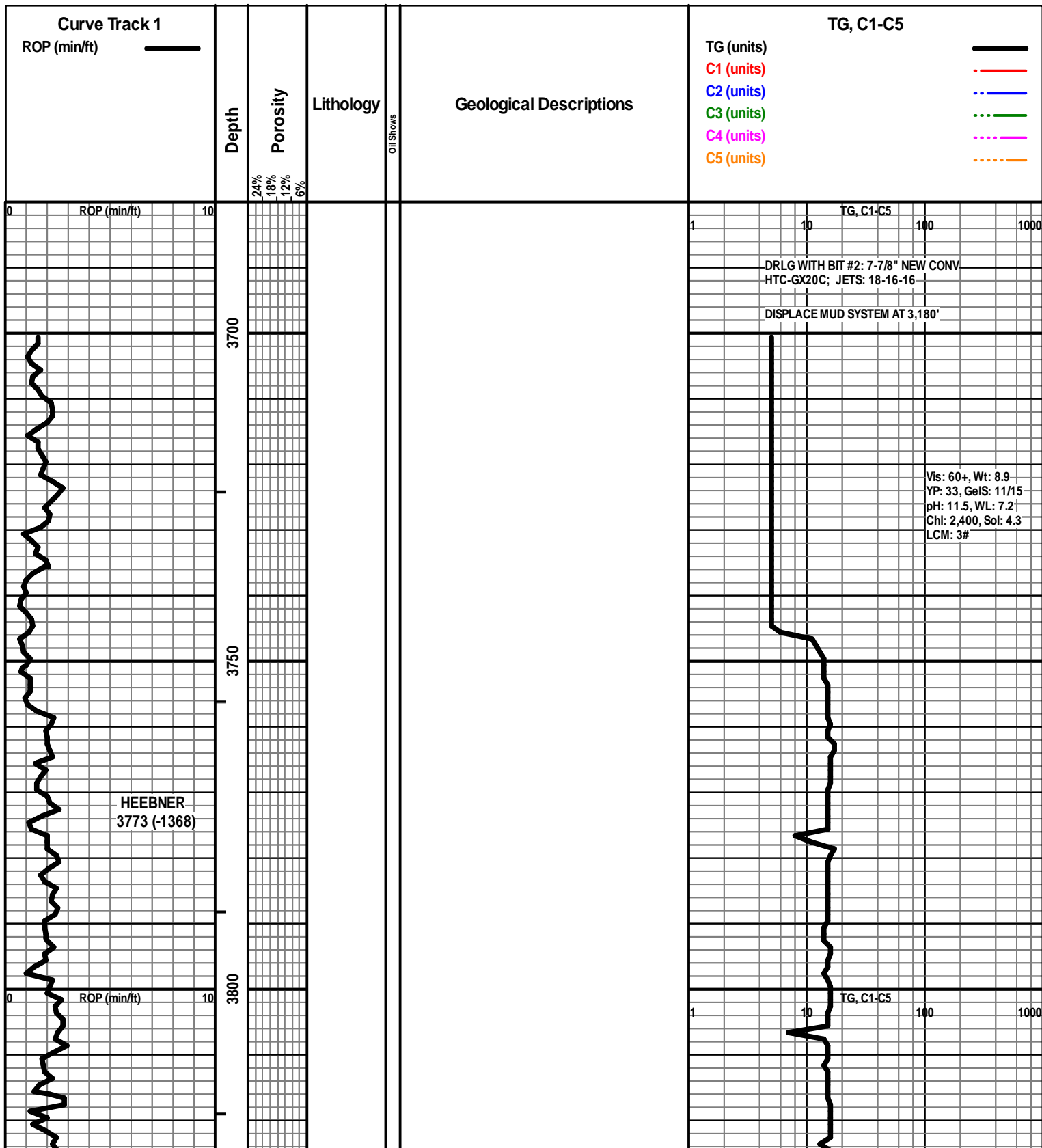
INTERVALS

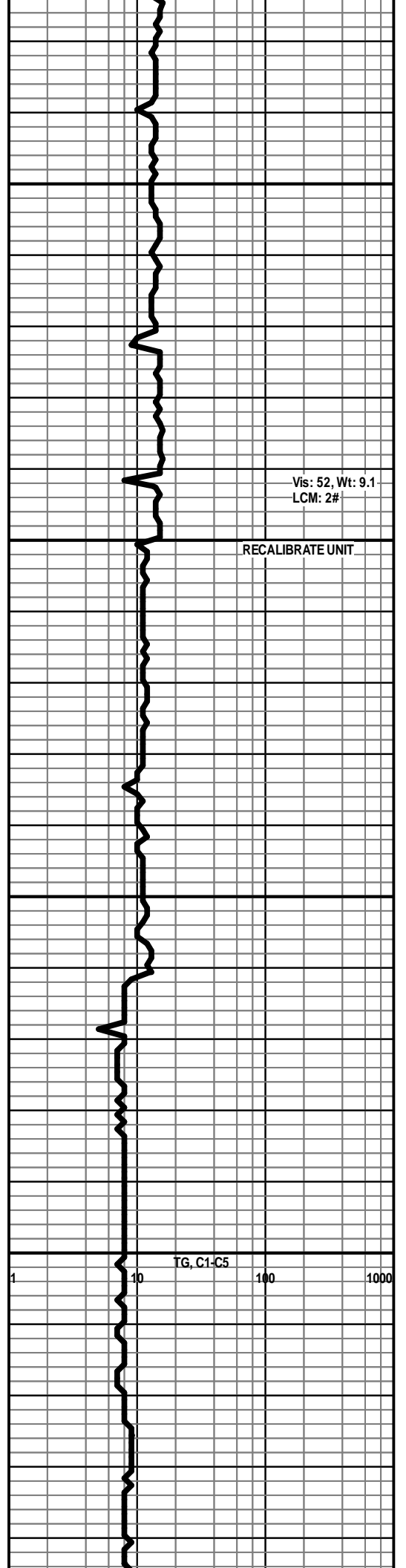
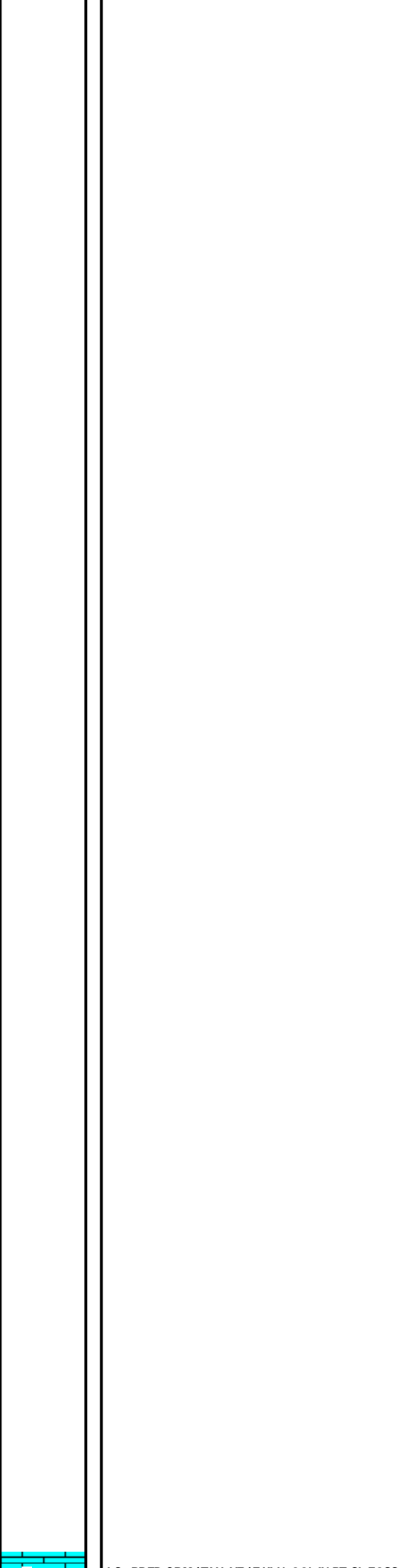
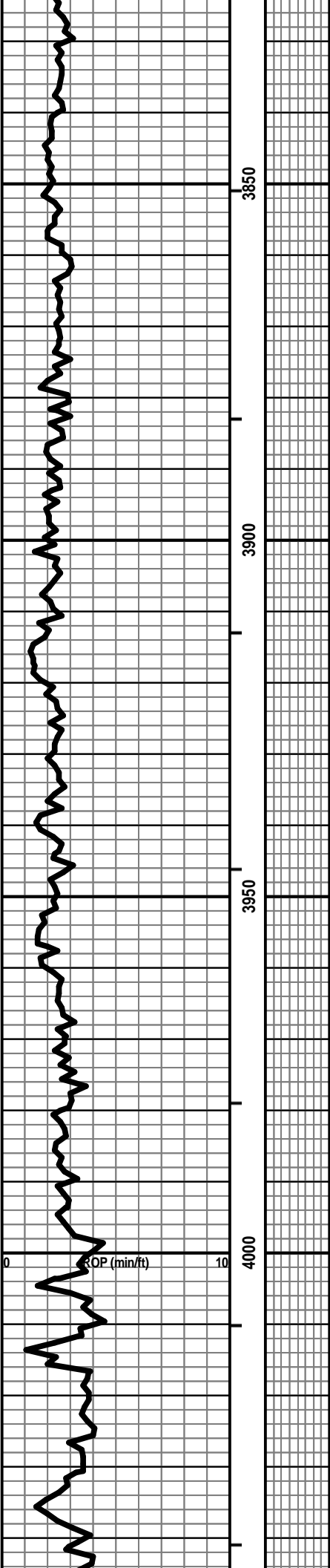
- Core
- Dst

- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall
- Conn





LS - PRED CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, CHKY IN PT, SCAT F OOM + INTXLN POR (CAVINGS?), CHKY IN PT, PRED DNS, NS W/ SCAT CHT - LT GY

SH - GY

LS - CRM / TAN, VF / F XLN, OOL IN PT, P / F OOM + INTXLN POR (SOME CAVINGS?), TO DNS, NS W/ SCT CHT - WHT / LT GY

SH - GY / GRN / RED

LS - TAN / CRM, VF XLN, SL FOSS, PRED DNS, NS

Vis: 60, Wt: 9.3
LCM: 1#

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

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

SH - PRED GY

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

BASE OF KC
4076 (-1671)

PAWNEE
4162 (-1757)

LS - CRM / TAN / SCAT BRN, MOT IN PT, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS W/ CHT - ORG / GY / TAN

LS - ASABOVE W/ CHT - AS ABOVE

LS - CRM / TAN / GY, VF / F XLN, SUBCHKY IN PT, ARGIL IN PT, PRED DNS, NS W/ CHT - ORG / GY / TAN

TG, C1-C5

SHORT TRIP 30 STANDS @ 4,212'

Vis: 60+, Wt: 9.4
YP: 30, GelS: 10/17
pH: 11.0, WL: 7.2
Chl: 2,400, Sol: 7.7
LCM: 2#

LS - TAN / BRN / SCAT GY, VF XLN, PRED DNS, NS W/ CHT - ASABOVE W/ SH - GY / SCAT GRN + RED

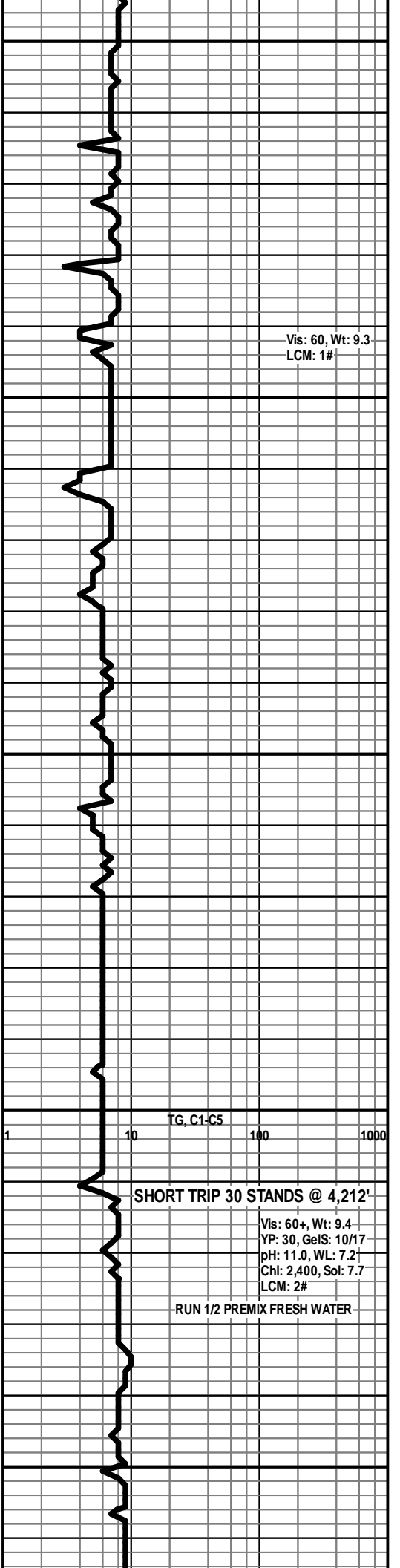
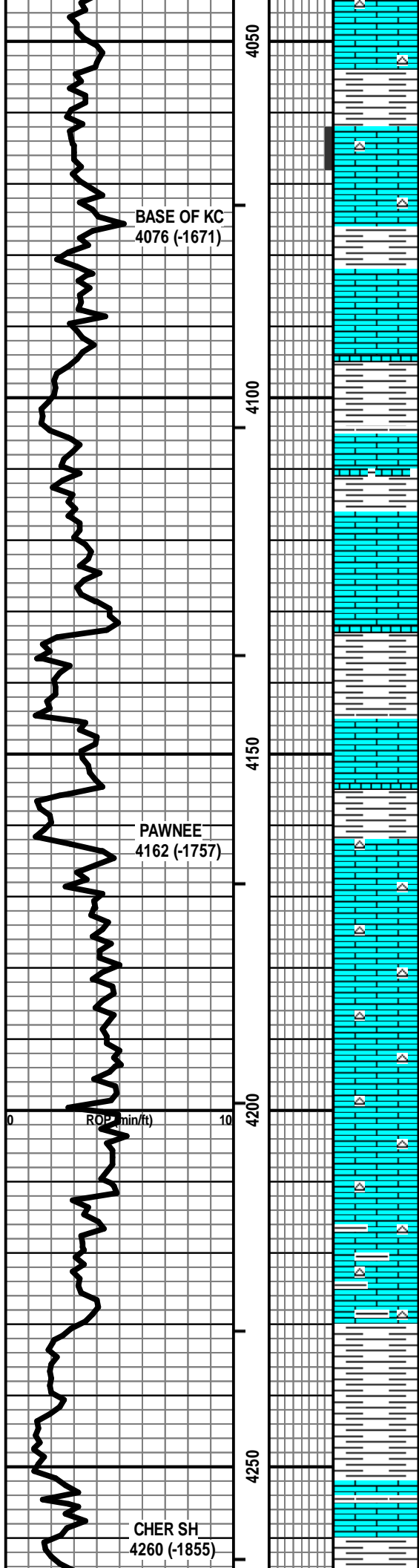
RUN 1/2 PREMIX FRESH WATER

SH - PRED GY, SCAT GRN + RED

SH - ASABOVE W/ LS - TAN / CRM / BRN, VF / SCAT F XLN, TR FOSS, SUBCHKY IN PT, PRED DNS, NS

CHER SH
4260 (-1855)

4273' CFS: ABNT SH - RED / GY / GRN W/ SCAT AREN LS / V CALC SS - CRM / GY, VF XLN, VF / M QTZ GR, P /



NO VIS POR, F / G S ASPH, TR FO, NO ODOR W/ SCAT
SS CLSTRS - GRN / LT GY, F / M GR, FW SRTD, SA / SR,
SIL CEM, CHT FRAG, PRED P POR, NS

Vis: 61, Wt: 9.2
LCM: 2#

CFS @ 4273'

4282' CFS: ABNT LS - TAN / CRM, VF XLN, TR AREN,
CHKY IN PT / DNS, NS W/ SH - GY / RED / GRN W/ TR
SS CLSTRS - CRM / GY, VF GR, V CALC IN PT, P / NO
POR, NS

DST #1: 4,309'-4,322' (Cher C Sd)
30" - 30" - 0" - 0"

CFS @ 4282'

SS CLSTRS - GY, F / VC GR, P SRTD, SA / R, MOD CALC
CEM, P / F INTGR POR, SL / F SHO GILS IN PT, NSFO, NO
ODOR W/ SH

IF: Blow bldg to BOB in 18 min.
ISI: No blow back

4300

SS CLSTRS - LT GY, VF / VC GR, VPSRTD, SA / SR,
ABNT OVRGRWTHS, MOD / V CALC, SCAT LS FRAG, P /
F POR, NS W/ SCAT LS - CRM / TAN, AREN, NS W/
SCAT CHT

RECOVERY: 170' GIP & 145' TF:
115' CO (100% O)
30' OGCM (10% G, 20% O, 70% M)
Sampler: 1000 ml G & 2000 ml O
Oil Gravity: 41 API

CFS @ 4322'

4322' CFS: SH - RED / GY / SCAT GRN W/ ABNT
UNCONS QTZ, C / VC GR, A / SR, CLR / FRSTD W/ SS
CLSTRS - LT GY, VF / VC GR, FW / PSRTD, SA / SR, P / F
INTGR POR, SCAT FRI, SL / F SFO, V FT ODOR, SPTY /
POSS SAT LT BRN STN

SIP: 511 HP: 2141-2109
FP: 23-66 BHT: 120

CFS @ 4327'

4327' CFS: SS CLSTRS - LT GY, VF / M GR, FW / W
SRTD, SA / SR, CHTY IN PT, P / F INTGR POR, SCAT TRIP
POR, SL / G SFO, V FT ODOR, SPTY / SAT STN W/ CHT -
WHT / GY / TAN, VIT

HIGH GAS DUE
TO OIL IN MUD

PIPE STRAP @ 4,322'-
LONG 1.67'

Vis: 52, Wt: 9.2
YP: 29, GeIS: 10/20
pH: 10.5, WL: 7.8
Chl: 4,600, Sol: 6.2
LCM: 2#

4350

4400

ROP (min/ft) 0 10

TG, C1-C5 1 10 100 1000