

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Chain Ranch 'C' #1
Location: Section 7 - T31S - R11W
License Number: API: 15-007-23990
Spud Date: 02 / 19 / 2013
Surface Coordinates: 2310' FSL and 2385' FWL
Approx. NE - NE - SW

Region: Barber Co., KS
Drilling Completed: 03 / 03 / 2013

Bottom Hole
Coordinates:
Ground Elevation (ft): 1671' K.B. Elevation (ft): 1681'
Logged Interval (ft): 3500' To: 4839' Total Depth (ft): 4839'
Formation: Simpson
Type of Drilling Fluid: Chemical - Mud-Co

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

OPERATOR

Company: White Exploration, Inc.
Address: 1635 N. Waterfront Pkwy, Suite 100
Wichita, Kansas 67206

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 #1

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	JZ-?-RR	3-15s	313	313	4.00
2	7-7/8	JZ-ENP0123	3-14s	4839	4526	112.25

SURVEYS: 313'-0.75, 1335'-1.5, 1997'-1.0, 2535'-1.0,
3293'-1.0, 4839'-1.0

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 36,000-38,000 lbs. on bit and 75-80 RPM.
Pumping 56 S/M, 7.2 B/M, and 1000 psi at standpipe.



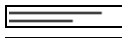
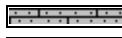
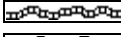


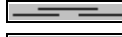
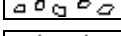


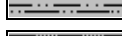
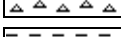


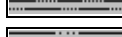



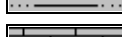



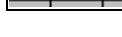

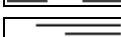
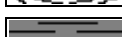



Daily Status

02/19/13 - Spud @ 6:30 PM; Set 8-5/8" Csg at 310'
 02/20/13 - 313' Shut-down due to winter storm
 02/21/13 - 313' Down
 02/22/13 - 313' Down
 02/23/13 - 313' Down; Resume drilling @ 10:30 AM
 02/24/13 - 1,715' Drilling
 02/25/13 - 2,490' Drilling; Shut-down @ 9:00 AM due to storm
 02/26/13 - 2,535' Down
 02/27/13 - 2,535' Preparing to resume drilling
 02/28/13 - 3,250' Drilling; Displace mud @ 3,450'
 03/01/13 - 3,995' Drilling
 03/02/13 - 4,505' Drilling
 03/03/13 - 4,839' TOH for logging






















































































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	 Sltly	 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	 Ls	 Lithogr
 Kaol	 Coral	 Mrst	 Microxln
 Marl	 Crin	 Sltstrg	 Mudst
 Minxl	 Echin	 Ssstrg	 Packst
 Nodule	 Fish	 Carbsh	 Wackest
 Phos	 Foram		
 Pyr			

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

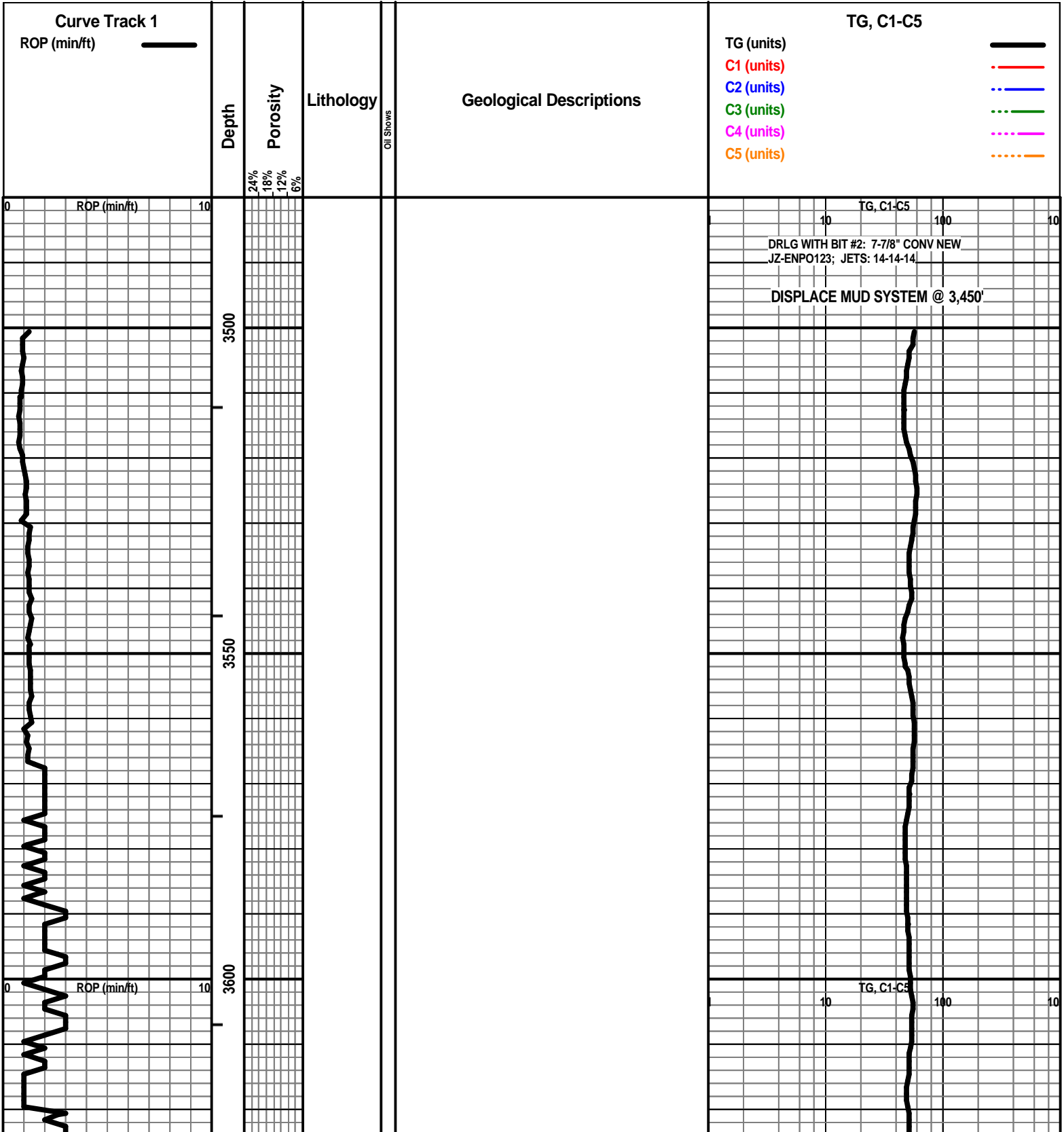
INTERVALS

- Core
- Dst

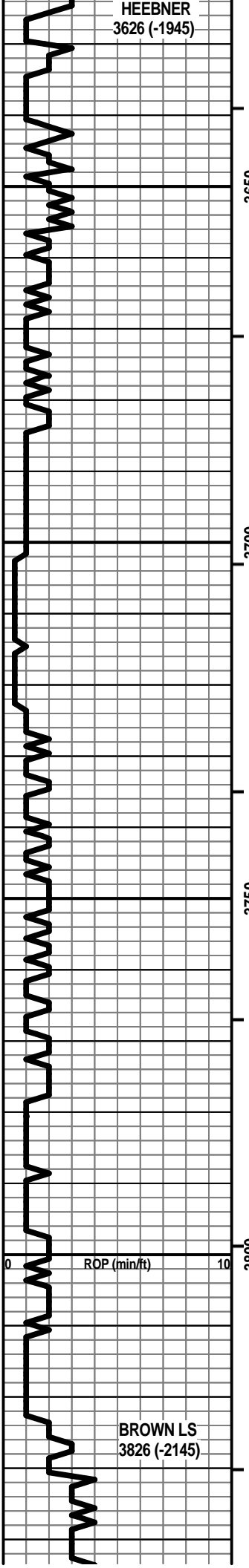
- Dst/2
- Dst

EVENTS

- ▽ Rft
- ▾ Sidewall
- ▬ Conn



HEEBNER
3626 (-1945)



3650

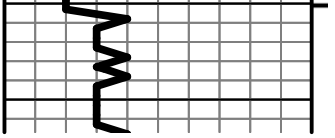
3700

3750

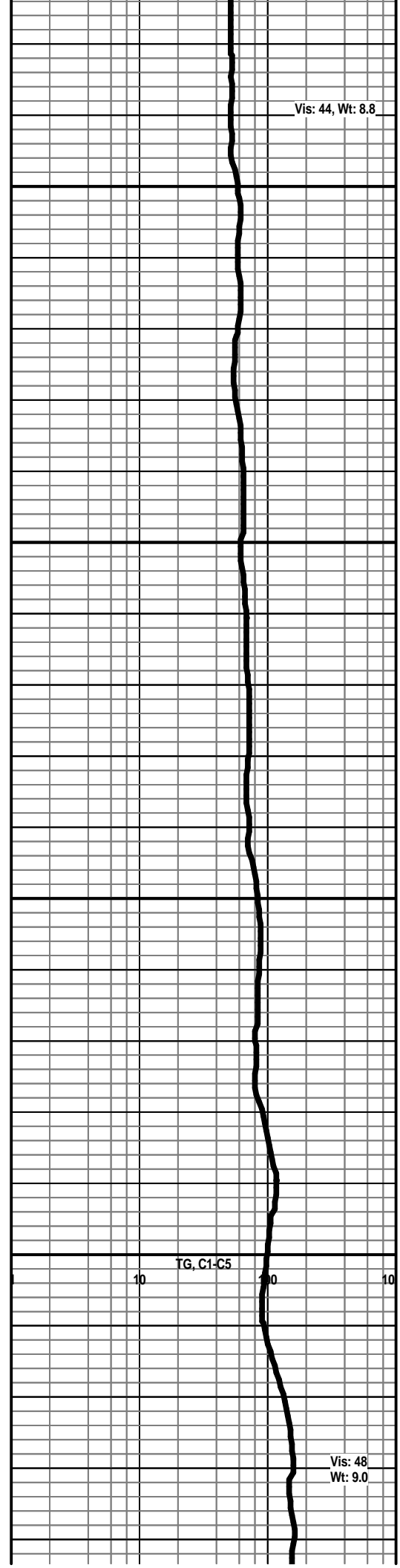
3800

ROP (min/ft)

BROWN LS
3826 (-2145)

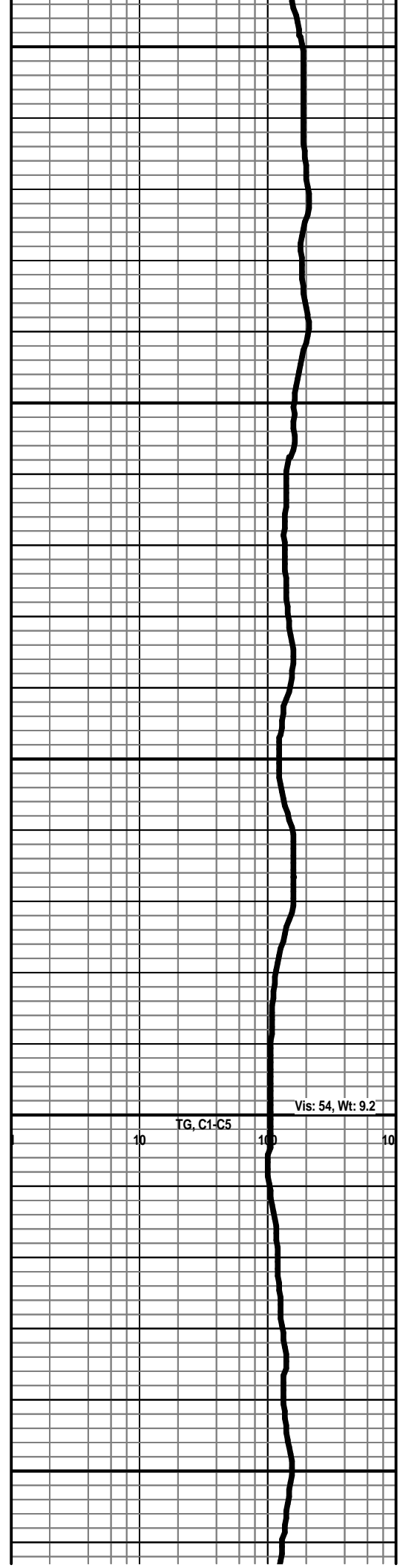
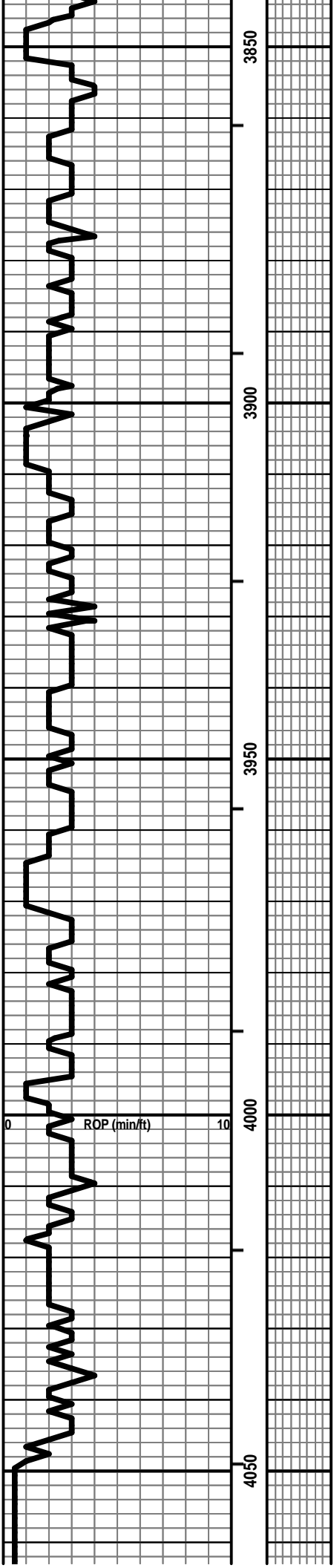


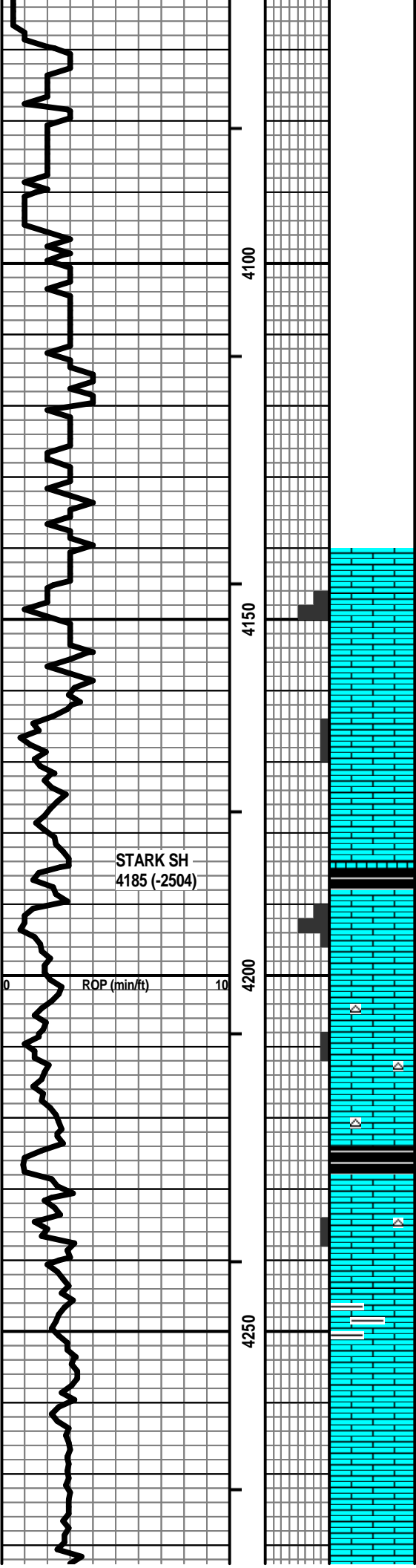
Vis: 44, Wt: 8.8



TG, C1-C5

Vis: 48
Wt: 9.0





LS - CRM / TAN, F XLN, OOL, F / G OOM POR IN PT, F / G INTXLN POR, NS

LS - CRM / GY / TAN, VF / F XLN, SL FOSS, SCAT P / F INTXLN POR, PRED DNS / CHKY, NS

STARK SH
4185 (-2504)

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

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

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

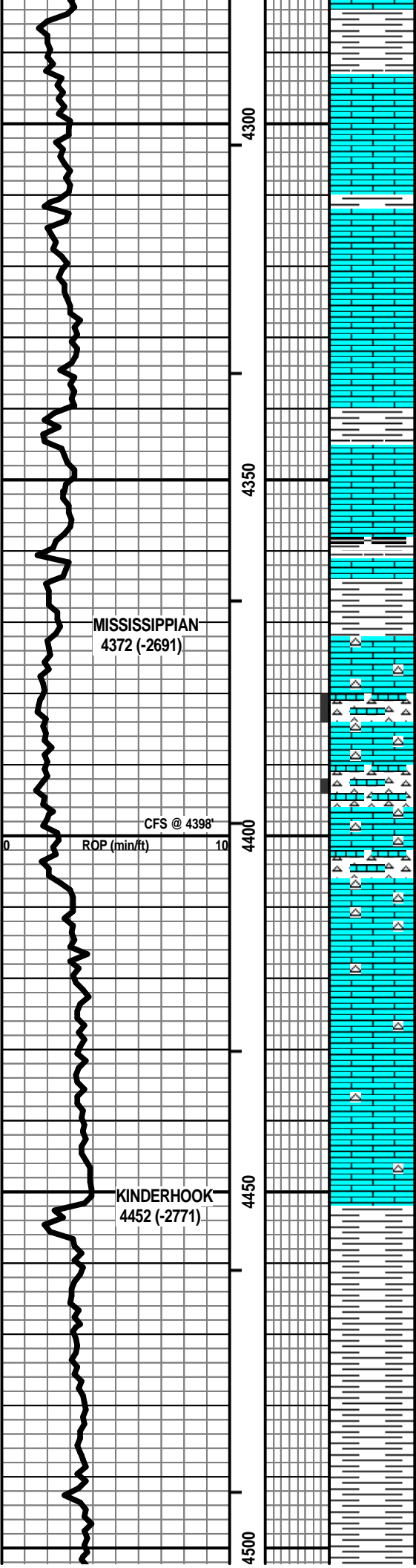
CARRIER LINE PLUGGED - WORK ON GAS UNIT CARRIER LINES

MAKE REPAIRS FOR CHROMAT CARRIER PRESSURE

TG, C1-C5

Vis: 45, Wt: 9.0,
YP: 12, Gels: 12/38,
pH: 9.0, WL: 8.0,
Chl: 7,000, Sol: 4.6,
LCM: 0#

Vis: 50
Wt: 9.2



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

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

LS - CRM / GY, VF XLN, SL FOSS, SUBCHKY IN PT, PRED DNS, NS W/SH - DK GY / BLK, SCAT CARB

LS - CRM, F XLN, CHTY IN PT, OOL, PRED P INTXLN POR, SSGB IN PT, TR FO, SCAT STN, NO ODOR

CHT - WHT / LT GY / CRM, TR P VUG POR, NS W/LS - CRM / GY, F XLN, CHTY IN PT, OOL, SCAT P INTXLN POR, TR FO, TR STN, NO ODOR

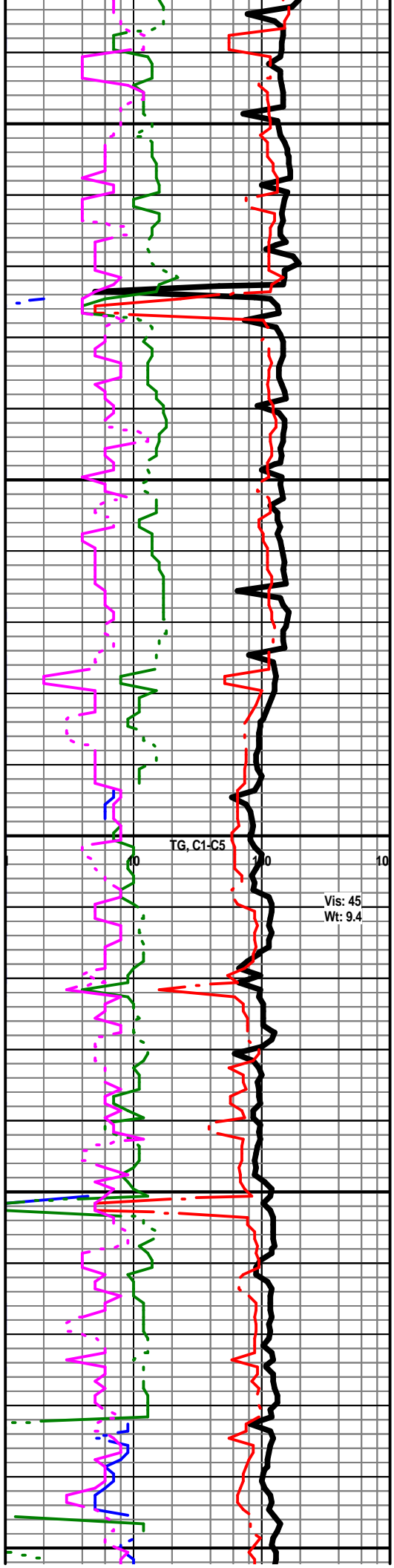
CHT & LS - AS ABOVE, VP / NO VIS POR, PRED DNS, NSFO, NO ODOR, TR GILS STN ON CHT

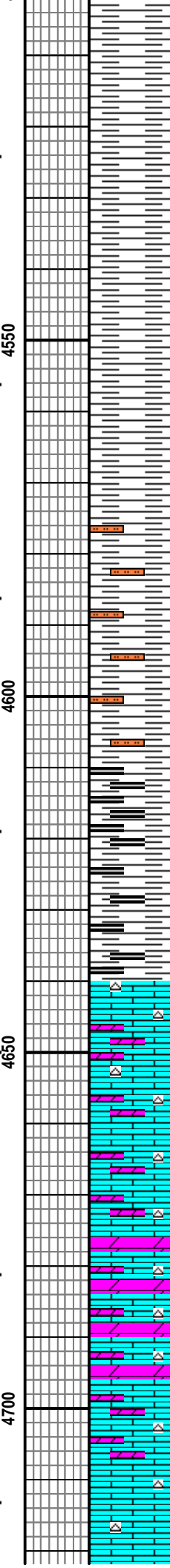
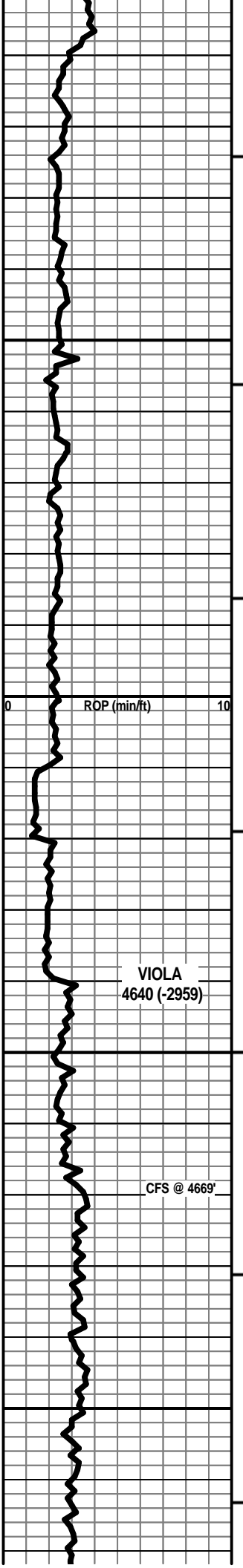
LS - CRM / GY / TAN, F / SCAT M XLN, SL FOSS, PRED DNS, NS W/CHT - LT GY / WHT / CRM

LS - CRM / GY / TAN, PRED F XLN, SL FOSS, PRED DNS, NS W/CHT - LT GY / WHT / CRM

SH - MED / DK GY / GRN W/LS & CHT - AS ABOVE

SH - MED / DK GY / GRN / SCAT BLK





SH - GY / GRN / SCAT BLK

SH - GY / GRN / SCAT BLK

SH - GY / GRN / SCAT BLK W/ SCAT SLTST - LT / MED GY

SH - AS ABOVE W/ SH - BLK, CARB

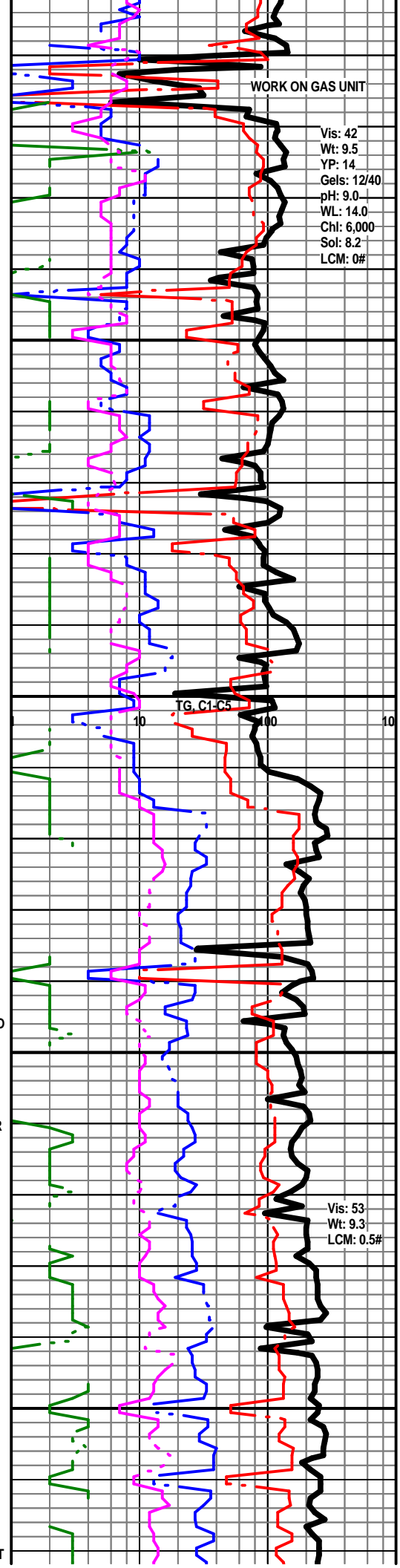
LS - CRM / GY / SCAT TAN, MOT IN PT, F / M XLN, CHTY IN PT, SCAT CHKY, PRED DNS, TR SPTY STN, NSFO, SL DOLO IN PT, GRAN / RHOMBIC IN PT, TR P INTXLN POR, PRED DNS, NS W/ CHT - LT GY / CRM, TR P VUG POR, NS, NO ODOR

LS - AS ABOVE, SL DOLO IN PT, AS ABOVE, PRED DNS, TR DK BRN / BLK GILS STN, PRED NS, NO ODOR

LS - CRM / GY / TAN, MOT IN PT, F / M XLN, DOLO IN PT, PRED DNS, NS W/ SCAT DOLO - CRM / TAN, F XLN, PRED DNS, NS W/ SCAT CHT - LT GY / CRM W/ ABNT KIND & WOOD SH

LS - DOLO IN PT, AS ABOVE, PRED DNS, NS W/ SCAT DOLO - AS ABOVE, PRED DNS, NS W/ SCAT CHT - AS ABOVE W/ ABNT SH - AS ABOVE

LS - CRM / GY, MOT IN PT, F / M / SCAT C XLN, PRED DNS, NS W/ V LTL TO NO DOLO W/ CHT - LT GY / CRM W/ ABNT



VIOLA
4640 (-2959)

CFS @ 4669'

4550

4600

4650

4700

10

100

10

SIMPSON SH
4737 (-3056)

SIMPSON SAND
4750 (-3069)

CFS @ 4758'

CFS @ 4770'

4750

4800

4850

POP (min/ft)

SH - AS ABOVE

AS ABOVE W/ ABNT SH - LT / DK GRN / GY W/ TR UNCONS
QTZ, M GR, WR

SS - CLR / LT GY, F / M QTZ GR, SCAT VF GR, F / W SRTD,
SR / WR, MOD CALC CEM, SCAT LS FRAG, GLAUC IN PT,
TR PYR, F / SCAT G INTGR POR, NS, NO ODOR W/ MOD
ABNT UNCONS QTZ, M / C GR, SR / WR

SS - CLR / LT GY / TAN, VF / M QTZ GR, SR / WR, F / W
SRTD, MOD CALC CEM, TR PYR, P / F INTGR POR, SCAT G
POR, NS, NO ODOR W/ UNCONS QTZ, M / C GR, SR / WR

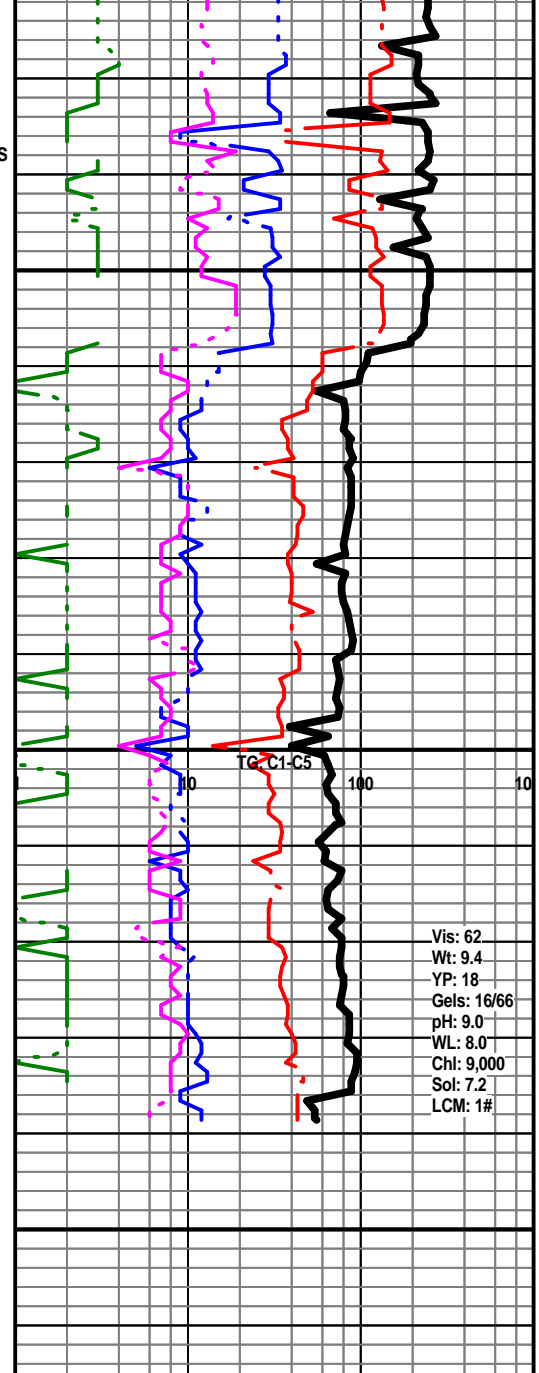
SS - V SIMILAR TO ABOVE, F / SCAT G INTGR POR, NS, NO
ODOR W/ SH - GY / GRN

SH - GY / GRN W/ SCAT SS CLSTRS - AS ABOVE, NS, NO
ODOR

SH - GY / GRN W/ SCAT SS CLSTRS - AS ABOVE, NS, NO
ODOR

SH - GY / GRN W/ SS - LT GY / CLR, PRED VF / F QTZ GR,
SCAT M GR, F / W SRTD, SR / R, MOD CALC CEM, SCAT SH
FRAG IN PT, SCAT MIC, P / G INTGR POR, NS, NO ODR

TOTAL DEPTH 4839 (-3158)



Vis: 62
 Wt: 9.4
 YP: 18
 Gels: 16/66
 pH: 9.0
 WL: 8.0
 Chl: 9,000
 Sol: 7.2
 LCM: 1#