

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: MGPI Processing #2
Well Id: KS-01-005-002
Location: Section 01 - T6S - R20E
License Number: KS-01-005-002
Spud Date: 09 / 26 / 2023
Surface Coordinates: 2629' FNL and 2248' FWL
39.558486, -95.134577
Bottom Hole
Coordinates:
Ground Elevation (ft): 817' K.B. Elevation (ft): 828'
Logged Interval (ft): 64' To: 2801' Total Depth (ft): 2801'
Formation: at TD: Arbuckle
Type of Drilling Fluid: Chemical - Franklin Mud Co
Region: Atchison Co., KS
Drilling Completed: 10 / 12 / 2023
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: SCS Engineers
Address: 11120 E 26th St N
Wichita, Kansas 67226

GEOLOGIST

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

General Information

CONTRACTOR: Sterling Drilling, Rig #4

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	17.50	Security-503SF	3-16s	253'	192'	6.50
2	12.25	Smith-GFS18	3-16s	1573'	1320'	39.50
3	12.25	HTC-GX28	3-16s	2030'	457'	38.50
4	12.25	JZ-HJ517G	3-16s	2492'	462'	26.75
5	7.625	Security-S86F	3-16s	2720'	228'	8.75
6	7.625	Security-S86F	3-16s	2801'	81'	3.00

SURVEYS: 273'-0.40, 748'-0.50, 1226'-0.30, 1703'-0.80, 2194'-1.00, 2417'-0.80, 2720'-1.25

GENERAL DRILLING AND PUMP INFORMATION:

Drilling from 64' to 2,130':

Collars: 12 Jts - 8"x2.75": 252.17'

Drilling with 35,000-42,000 lbs. on bit and 50-100 RPM.

Drilling from 2,130' to 2,492':

Collars: 13 Jts - 8"x2.75": 369.43'

Collars: 4 Jts - 6.5"x2.25": 124.40'

Drilling with 52,000-54,000 lbs. on bit and 40-50 RPM.

Drilling from 2,492' to RTD

Collars: 19 Jts - 6.5"x2.25": 590.75'

Drilling with 40,000-42,000 lbs on bit and 50-60 RPM.

Pumping 65 S/M, 9.56 B/M, and 500-800 psi at standpipe.

Daily Status

08/09/23 - Set 20" conductor @ 50' GL, 61' KB

09/26/23 - Spud @ 10:40 AM; Set 13.375" csg @ 250'; PD @ 3:00 AM (09/27)

09/27/23 - 253' WOC; DP @ 7:20 PM

09/28/23 - 652' Drilling

09/29/23 - 1,406' Drilling; Bit trip @ 1,573'

09/30/23 - 1,646' Drilling

10/01/23 - 1,903' Drilling; Bit trip @ 2,030'

10/02/23 - 2,108' Drilling

10/03/23 - 2,457' CFS; Log well @ 2,492'

10/04/23 - 2,492' Prep to run 8.625" casing

10/05/23 - 2,492' Set 8.625" csg @ 2,478'; PD @ 9:00 PM

10/06/23-10/08/23 - 2,492' WOC

10/09/23 - 2,492' Drill out DV tool; Tag bottom plug; Run bond log; DP @ 1:15 AM (10/10)

10/10/23 - 2,514' TIH with DST #1; DST #2 in PM; Bit trip @ 2,720'

10/11/23 - 2,720' TIH with bit #6; Lost full returns @ 2,801'; Decision made to TD; Log well @ 1:00 AM (10/12)

10/12/23 - 2,801' Laying down drill pipe & collars; Rig down

Log Tops

Sample Tops

Lansing	252 (+ 576)	258 (+ 570)
Stark Sh	517 (+ 311)	517 (+ 311)
Base of KC	567 (+ 261)	568 (+ 260)
Marmaton	678 (+ 150)	672 (+ 156)
Cherokee Sh	780 (+ 48)	795 (+ 33)
Mississippian	1392 (- 564)	1370 (- 542)
Kinderhook / Chattanooga	1776 (- 948)	1793 (- 965)
Hunton	1892 (-1064)	1892 (-1064)
Maquoketa	2132 (-1304)	2139 (-1311)
Viola	2203 (-1375)	2206 (-1378)
Simpson	2370 (-1542)	2369 (-1541)
Arbuckle	2464 (-1636)	2479 (-1651)
Intermediate TD	2492 (-1664)	2492 (-1664)
Total Depth	2802 (-1974)	2801 (-1973)

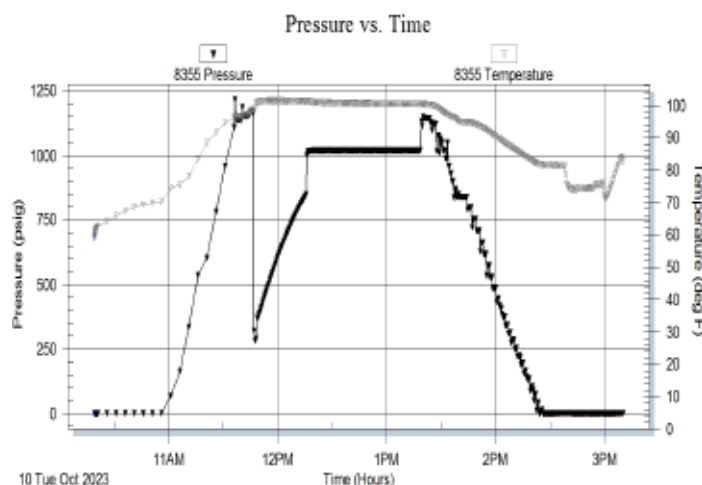
DST #1: 2,478' - 2,514' (Arbuckle)
Mis-run; Packer failure

DST #2: 2,494' - 2,514' (Arbuckle)
30" - 60" - 0" - 0"

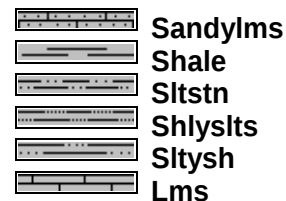
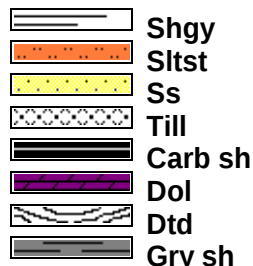
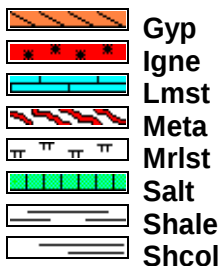
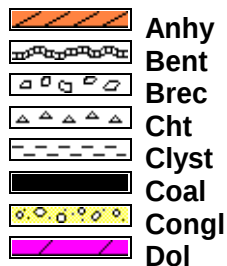
IF: Strong blow building to BOB in 35 seconds
ISI: No return blow

RECOVERY: 1,692' Total fluid, consisting of:
564' WCM (45% W & 55% M)
564' MCW (70% W & 30% M)
564' MCW (90% W & 10% M)
Chlorides recovery: 40,000 ppm

IFP: 282-849; IHP: 1020; BHT: 101



ROCK TYPES



ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Brecfrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau
 Gyp
 Hvymn
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr

Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff
 Chlorite
 Dol
 Sand
 Sltly

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

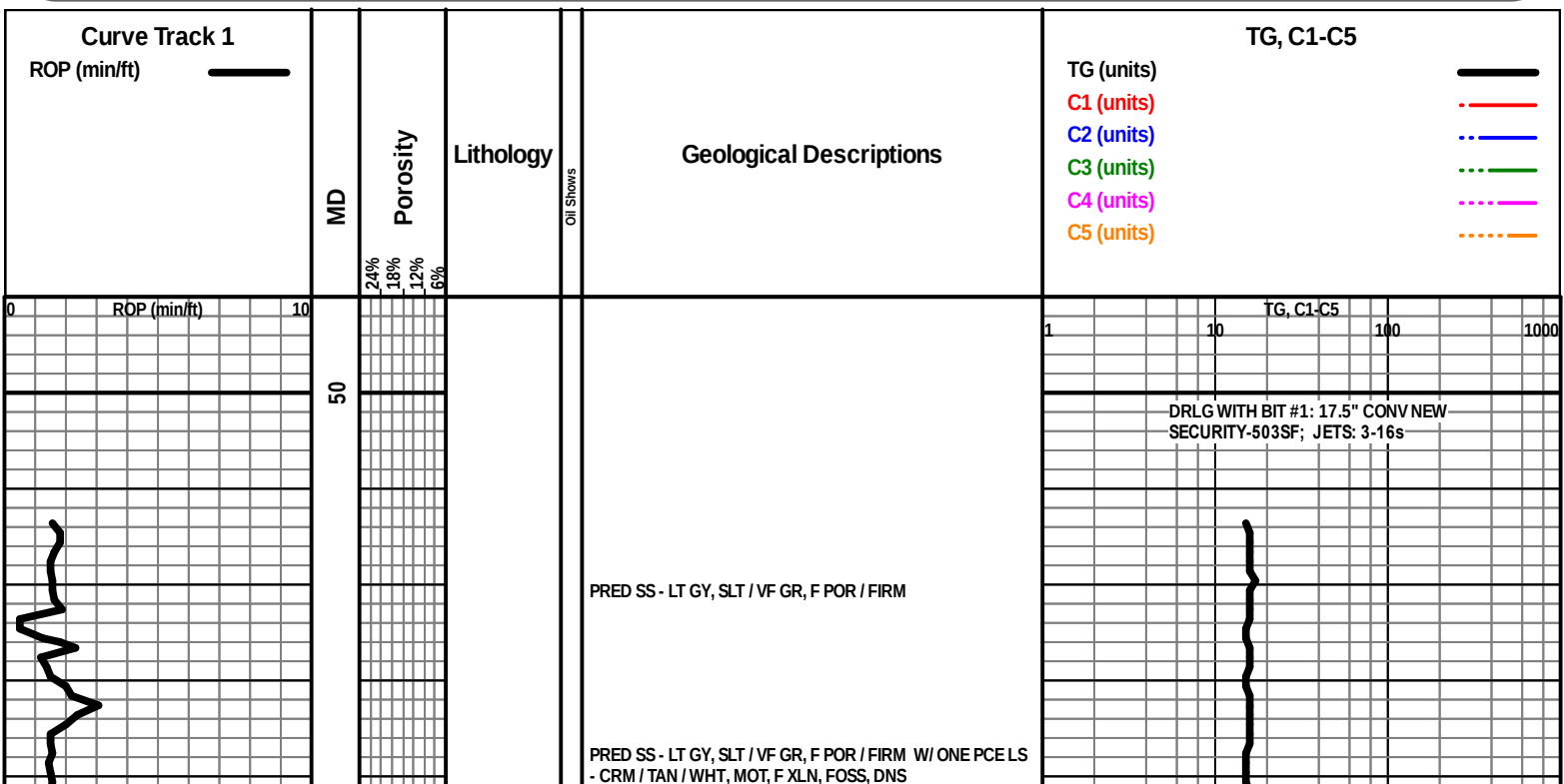
INTERVALS

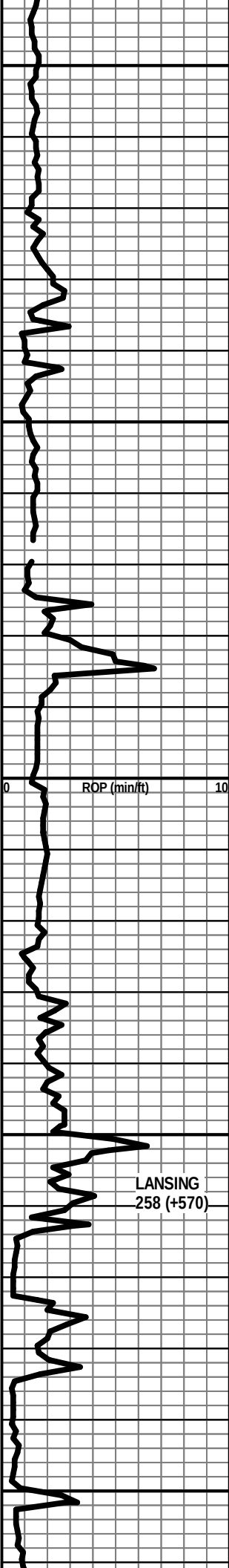
Core
 Dst

Dst/2
 Dst

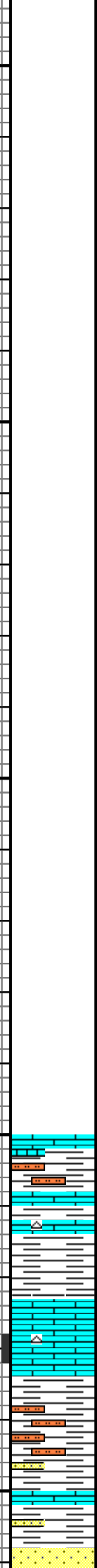
EVENTS

Rft
 Sidewall
 Conn





100
150
200
250
300



SLTST & SH - MED GY W/ F AMT SS - AS ABOVE W/ ONE PCE LS - AS ABOVE

SH - GY, PRED SLTY W/ SS - GY, SLT / VF GR W/ TR LS - BRN, F XLN,

SH - GY, SLTY IN PT W/ SCAT LS - BRN, F XLN, PRED DNS

SH - AS ABOVE W/ SCAT SS - AS ABOVE W/ LS - GY / BRN, MOT, F XLN, V FOSS, PRED DNS

PRED SH - GY, PRED SLTY W/ TR SLTST / VF GR SS - GY W/ ONE PCE LS - GY, VF XLN, DNS

SH - GY, SLTY IN PT / FIRM W/ SCAT SS - GY, SLT / VF GR

MOD AMT SS - LT / MED GY, SLT / VF GR, F INTGR POR IN PT W/ SH - AS ABOVE

NO CIRC SAMPLES AVAILABLE

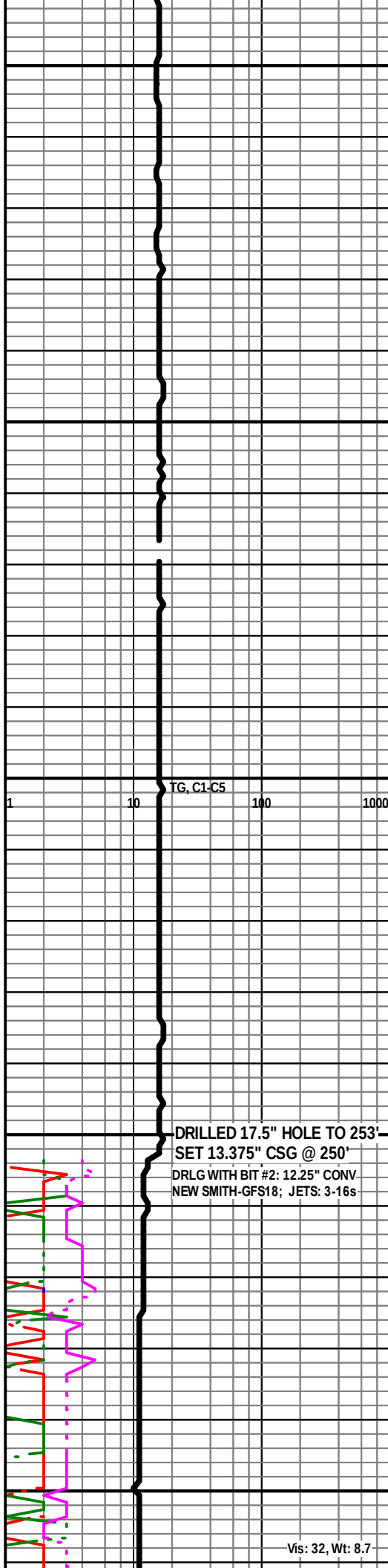
ABNT SLTST & SH - SIM TO ABOVE W/ ABNT TRASH W/ SCAT LS - CRM, VF XLN, OOL IN PT, DNS W/ SCAT CHT - WHT

POOR SAMPLE QUALITY

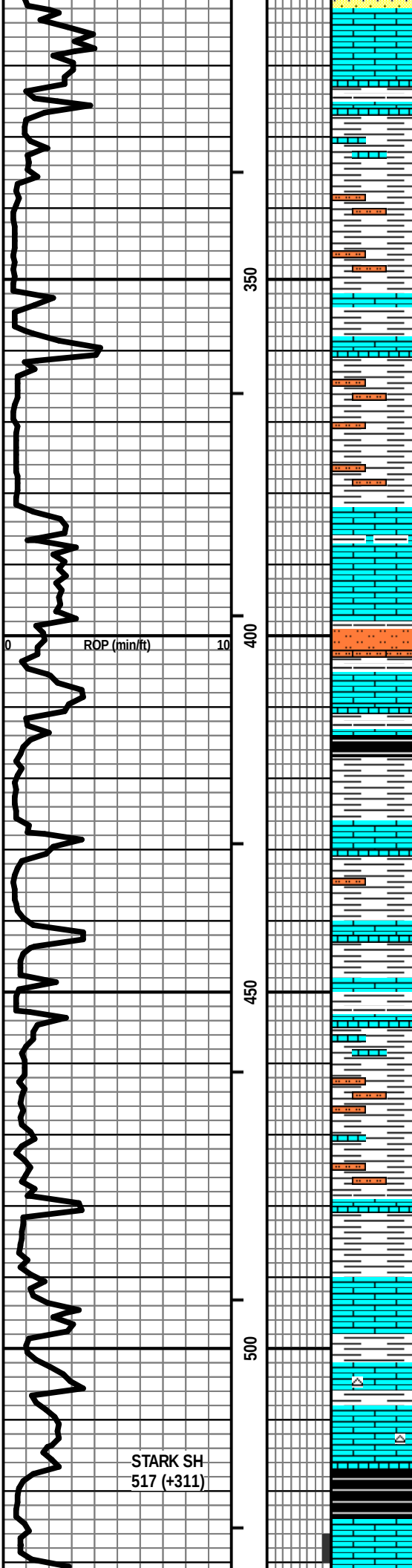
SH - GY / GRN W/ F AMT LS - CRM / SCAT TAN, MOT IN PT, VF / F XLN, OOL IN PT, TR MOLDIC POR W/ SCAT CHT - WHT / LT GY

SIM TO ABOVE W/ ABNT SLTST & SH W/ ABNT TRASH

PRED SS - LT / MED GY, SLT / VF / F GR W/ SH - BLK / SCAT GY W/ TR LS - CRM / GY, MOT IN PT, F XLN, DNS



DRILLED 17.5" HOLE TO 253'
SET 13.375" CSG @ 250'
DRLG WITH BIT #2: 12.25" CONV.
NEW SMITH-GFS18; JETS: 3-16s



POOR / FAIR SAMPLE QUALITY

PRED SS & SLTST & SH - AS ABOVE W/ TR LS - AS ABOVE

SH - LT / MED GY, SLTY, TR SNDY W/ TR LS - CRM / WHT, F XLN, OOL, DNS

PRED SH - GY, SLTY W/ SCAT LS - SIM TO ABOVE

LS - TAN / GY, PRED VF / F XLN, SCAT M XLN, FOSS IN PT, PRED DNS W/ ABNT SLTY SH - AS ABOVE

LS - TAN / CRM / SCAT BRN, MOT IN PT, F XLN, OOL, DNS W/ ABNT SH & SLTST - AS ABOVE

GOOD SAMPLE QUALITY

LS - WHT / LT GY / CRM, MOT IN PT, OOL & FOSS, PRED DNS W/ SH - BLK / GY, CARB IN PT

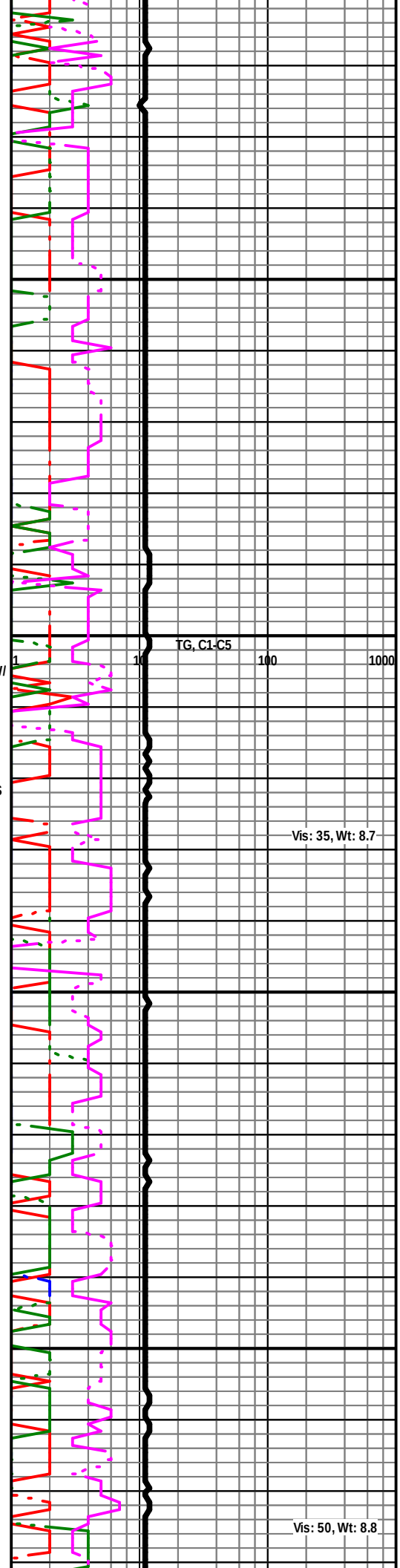
SH - LT / MED GY / GRN, SLTY IN PT W/ LS - CRM / TAN, F XLN, FOSS, PRED DNS

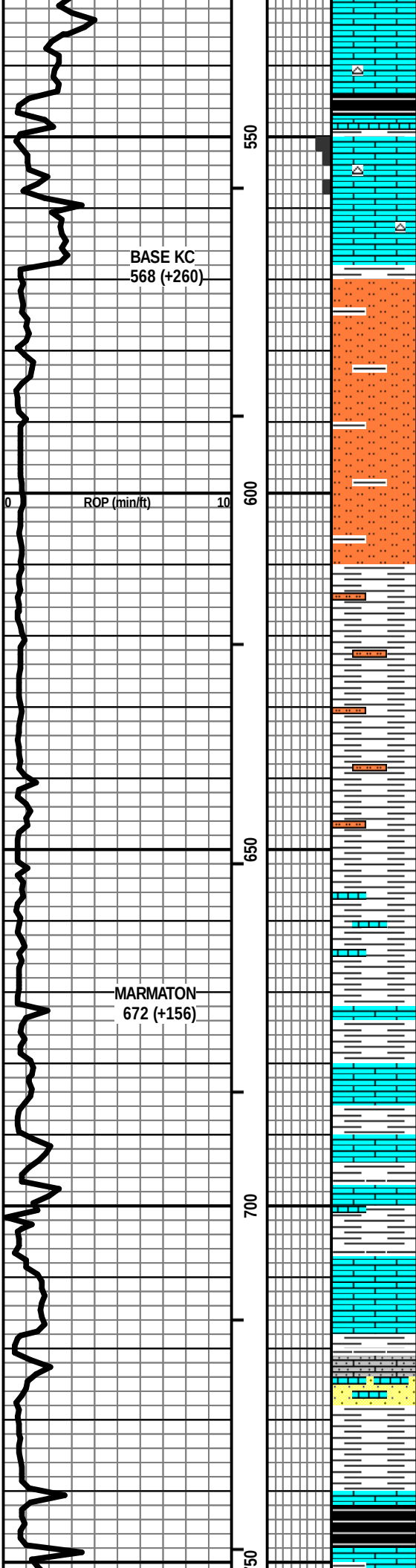
PRED SH - DK GY, PRED SLTY

LS - TAN / BRN / CRM, SCAT MOT, F / CRYPTO XLN, SCAT FOSS, PRED DNS W/ SH - GY / GRN

LS - CRM / WHT, F XLN, SCAT REXLN CALC, FOSS & OOL IN PT, SUBCHKY / CHKY IN PT, PRED DNS W/ CHT - LT GY

LS - GY / TAN / CRM, PRED VF / F XLN, SL FOSS & SL OOL IN PT, SCAT SUBCHKY, SCAT M REXLN CALC, TR P INTXLN POR, PRED DNS W/ SH - BLK, CARB





BASE KC
568 (+260)

ROP (min/ft)

MARMATON
672 (+156)

LS - CRM / TAN / GY, MOT IN PT, F / M XLN, OOL & FOSS, P / F
INTXLN POR IN PT, PRED DNS W/ CHT - LT GY W/ SH - BLK,
CARB

LS - CRM / TAN, PRED F XLN, SCAT OOL, CHKY / DNS W/
CHT - LT GY W/ SCAT SH - GY, SLTY

PRED SLTST - LT / MED GY / LT GRN

SLTST - LT / MED GY

SH - MED GY, SLTY IN PT

SH - MED / LT GY, SLTY IN PT

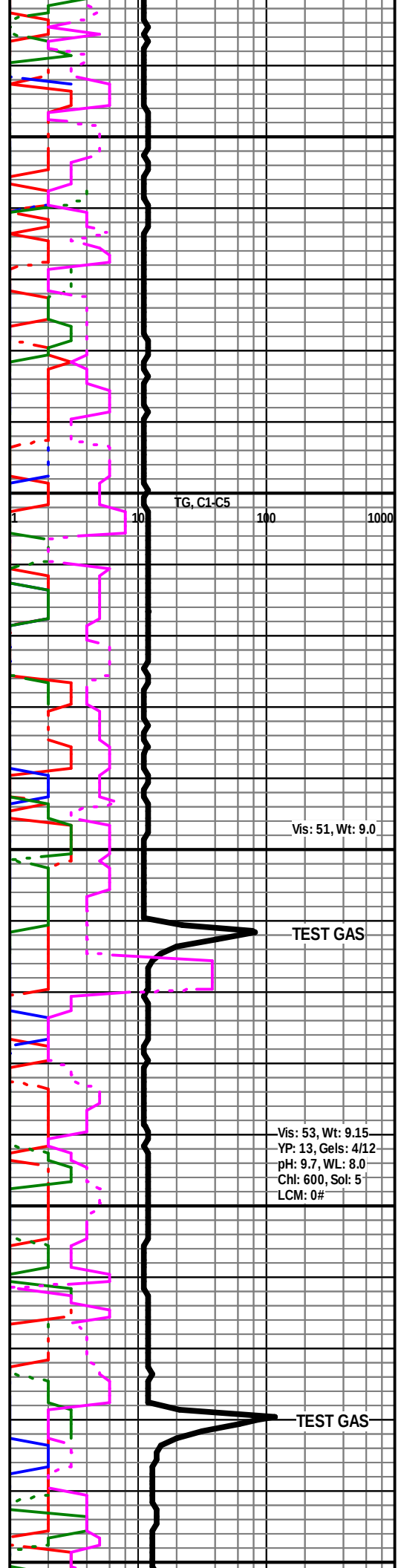
SH - MED / LT GY, SLTY IN PT W/ SCAT LS - TAN, F XLN,
FOSS, DNS

LS - TAN / CRM, MOT IN PT, PRED F XLN, FOSS, SCAT
GLAUC, PRED DNS W/ SH - AS ABOVE

LS - GY / TAN, VF / F XLN, SL FOSS, SUBCHKY / DNS W/ SH -
GY / GRNISH

LS - LT GY, F XLN, PRED SLTY / AREN W/ V CALC / LMY SS -
LT GY, SLT / VF GR

PRED SH - MED / DK GY / BLK, CARB & PYR IN PT W/ SCAT
LS - CRM / TAN / GY, F XLN, DNS



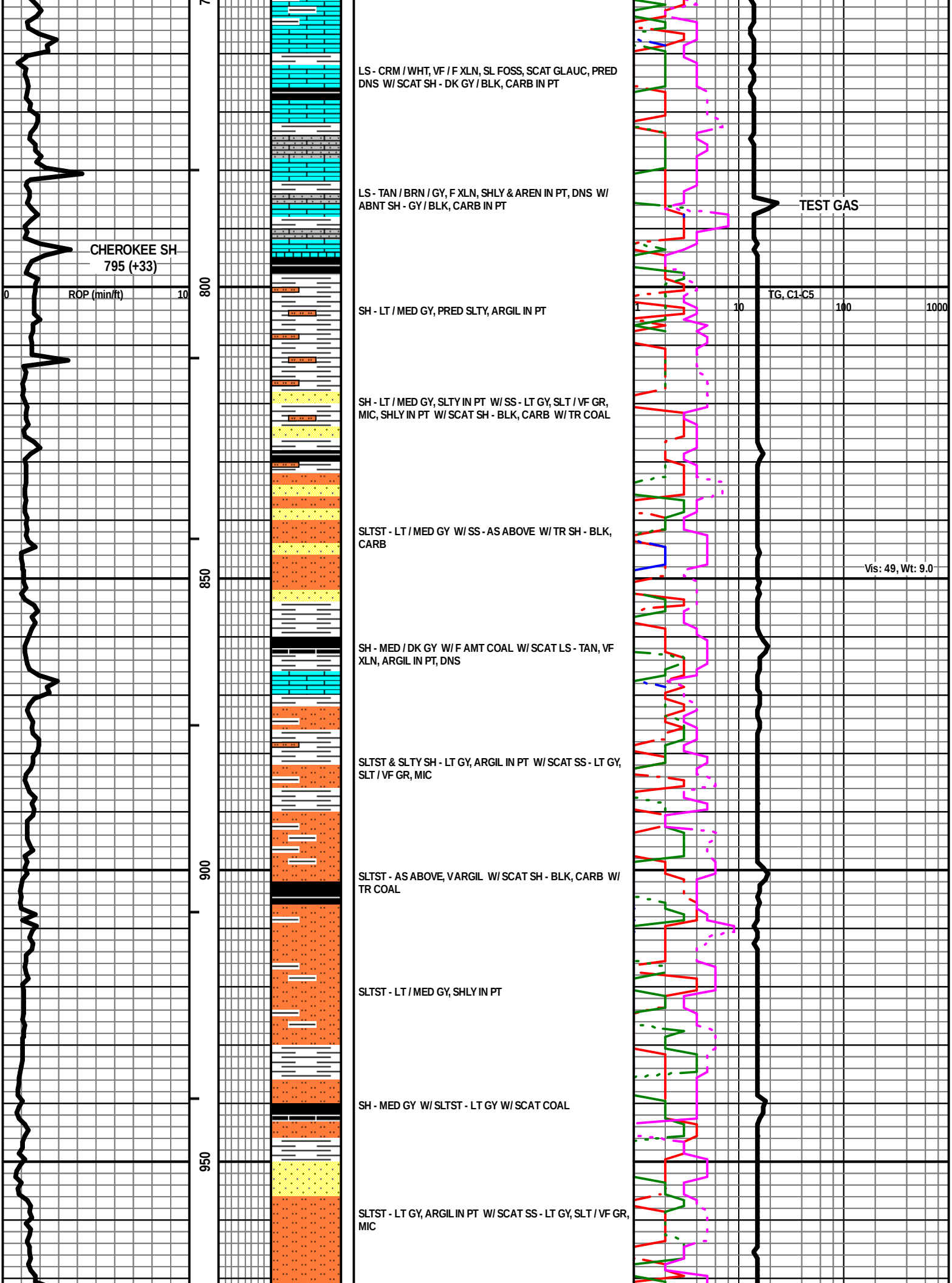
TG, C1-C5

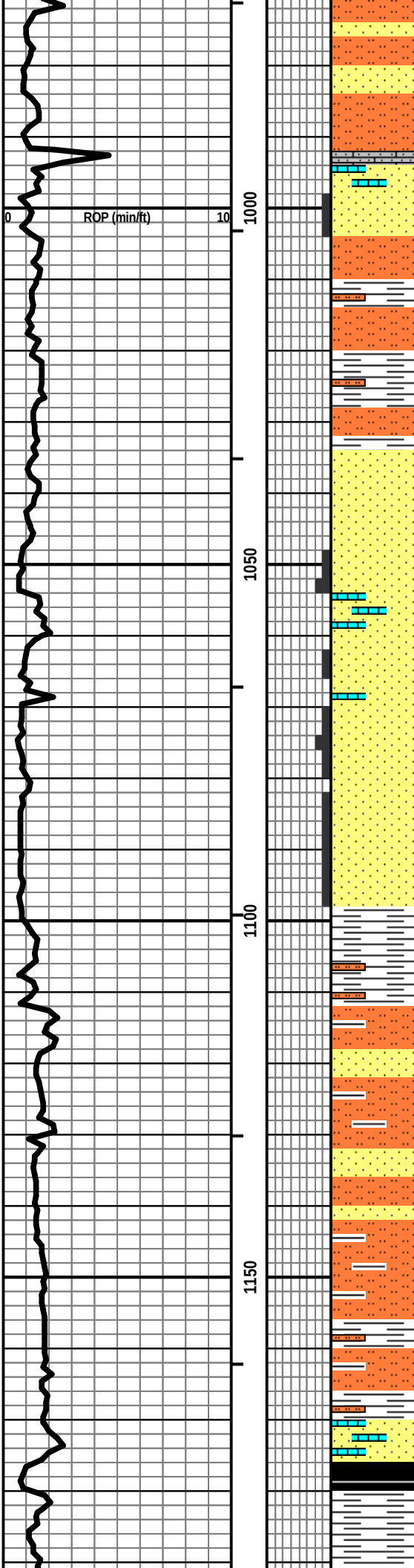
Vis: 51, Wt: 9.0

TEST GAS

Vis: 53, Wt: 9.15
YP: 13, Gels: 4/12
pH: 9.7, WL: 8.0
Chl: 600, Sol: 5
LCM: 0#

TEST GAS





SLTST - LT / MED GY W/ SCAT SS - ASABOBE W/ SCAT LMY
SS / AREN LS - LT GY / CRM

SS - LT GY, VF / F GR, P / NO INTGR POR W/ SS - LT GY, SLT /
VF GR W/ SLTST - LT / MED GY

PRED SLTST & SLTY SH - LT / MED GY

SS - LT GY, VF / F / SCAT M GR, P / NO INTGR POR, V SL FRI
IN PT W/ SCAT SLTST

SS - LT GY, F / M GR, P / F INTGR POR IN PT W/ SCAT TAN /
BRN, V LMY, DNS

SS - V SIM TO ABOVE

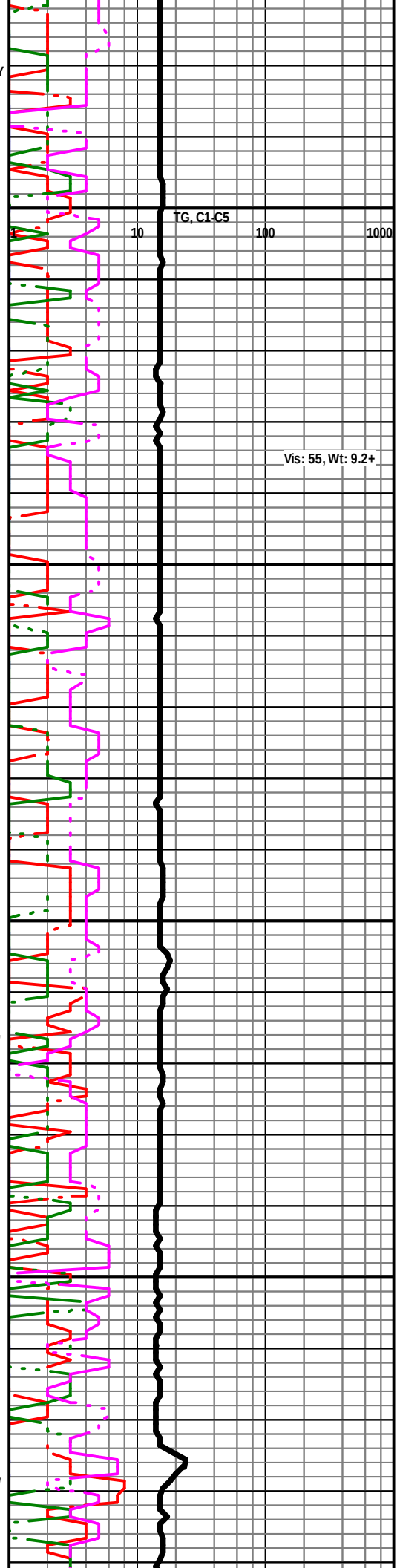
SS - LT GY, AS ABOVE W/ SH - MED / DK GY, SCAT SLTY

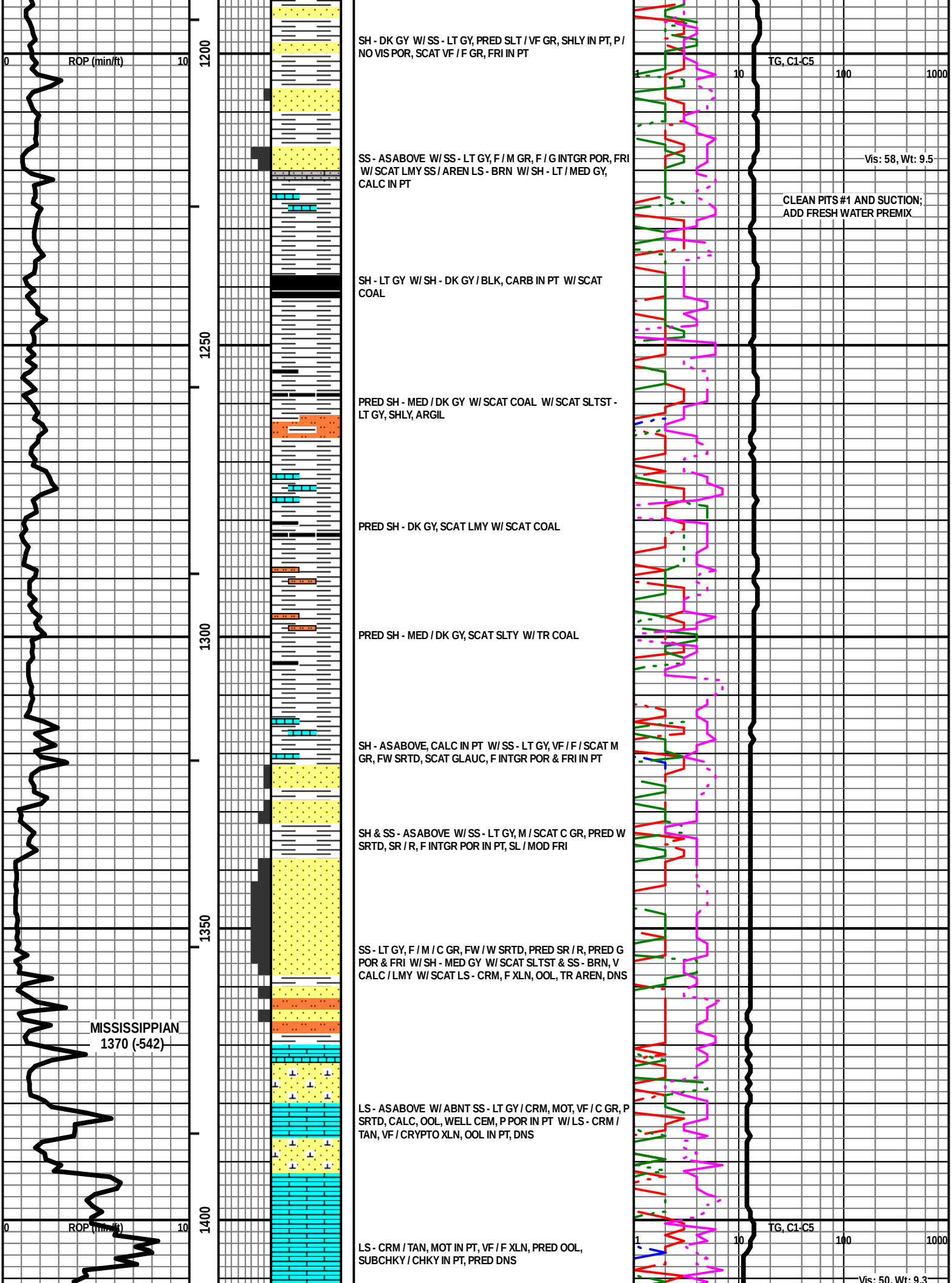
PRED SLTST - LT / MED GY, SHLY IN PT W/ F AMT SS - LT GY,
SLT / VF GR

SLTST & SS - AS ABOVE

SLTST & SLTY SH - MED / LT GY

SH - MED / DG GY W/ SCAT COAL W/ SCAT LMY SS - LT GY /
TAN, MOT IN PT, VF / M GR, DNS





YP: 11, Gels: 3/9
pH: 9.8, WL: 7.2
Chl: 800, Sol: 7
LCM: 0#

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

LS - ASABOVE W/F AMT DOLO LS - TAN, VF XLN, PRED
DNS

LS - TAN / CRM, MOT IN PT, F / M XLN, OOL & FOSS, V
GLAUC IN PT, DNS W/ CHT - ORG / TAN

DOLO - CRM / LT GY, VF XLN, P/F VUG & INTXLN POR IN PT,
SLTY IN PT W/ CHT - WHT / CRM, SL WEATH IN PT

LS - CRM, F / M XLN, PRED OOL & FOSS, CHTY IN PT, PRED
DNS W/ SCAT DOLO - SIM TO ABOVE, P / NO VIS POR W/
ABNT CHT - WHT / LT GY

LS - CRM, F / VF / CRYPTO XLN, OOL & FOSS IN PT, PRED
DNS, W/ DOLO - CRM / LT GY, VF / SCAT F XLN, LMY IN PT,
PRED P / NO VIS POR W/ CHT - WHT / LT GY, TR WEATH W/
SCAT SH - DK GY

LS - CRM / TAN, MOT IN PT, F / C XLN, PRED OOL & FOSS,
PRED DNS W/ SCAT CHT - LT GY / WHT

LS - TAN / CRM, MOT IN PT, F / C XLN, OOL & FOSS, SCAT
CHKY, PRED DNS W/ MOD ABNT CHT - LT GY / WHT / CRM,
MOT

LS - ASABOVE. SCAT GLAUC W/ CHT - AS ABOVE

LS - ASABOVE W/ DOLO - CRM, F XLN, P / F INTXLN POR IN
PT, SCAT PPT POR W/ CHT - AS ABOVE W/ SH - DK GY

DOLO - CRM / LT GY, F XLN, SCAT GLAUC, F / SCAT G PPT &
VUG POR IN PT, P / F INTXLN POR IN PT W/ LS - ASABOVE
W/ CHT - ASABOVE

Vis: 53, Wt: 9.2+

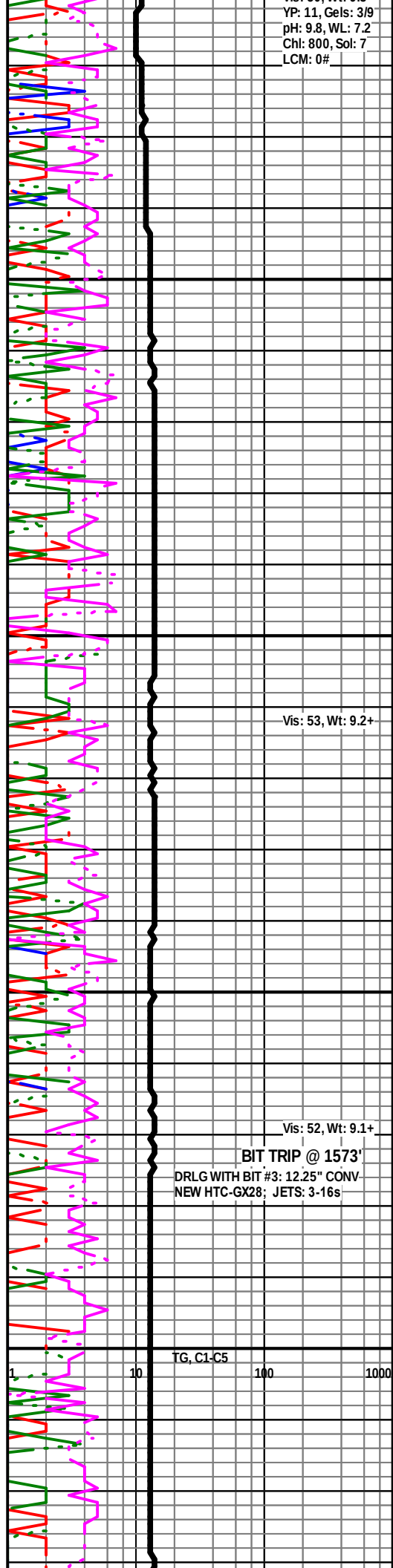
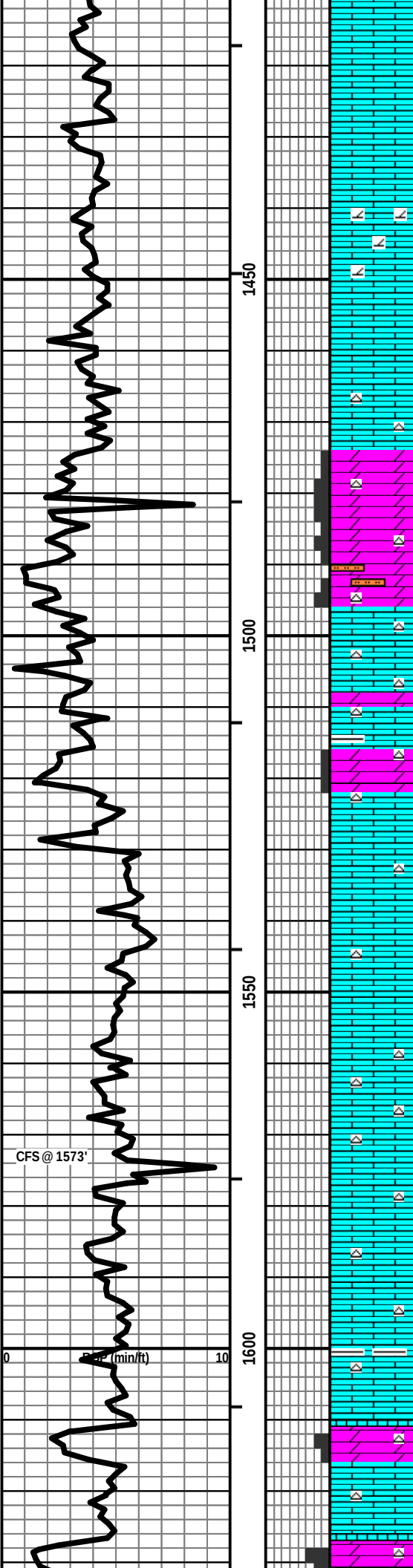
Vis: 52, Wt: 9.1+

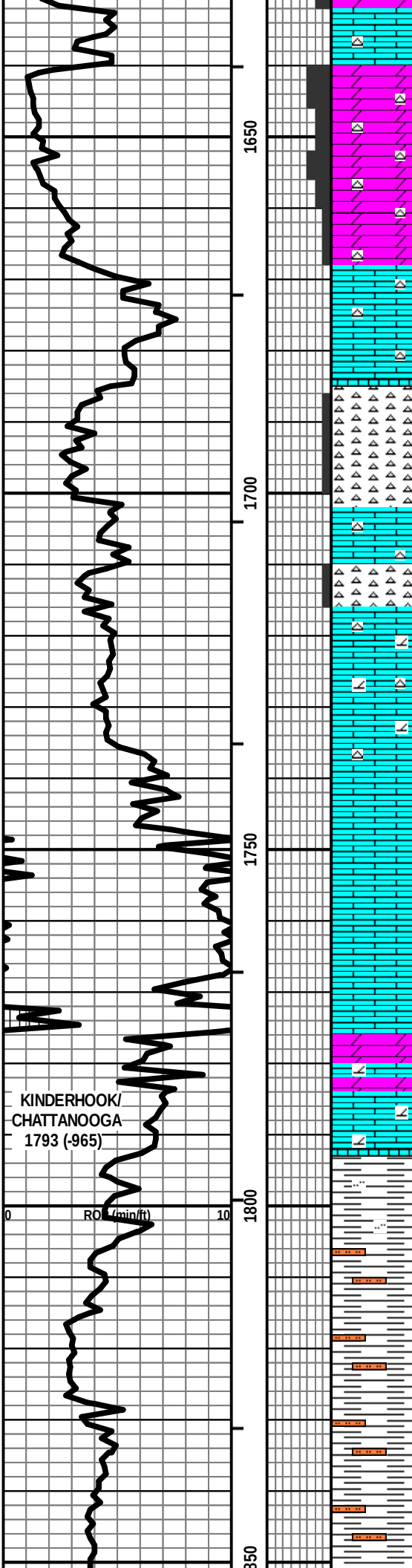
BIT TRIP @ 1573'

DRLG WITH BIT #3: 12.25" CONV
NEW HTC-GX28; JETS: 3-16s

TG, C1-C5

CFS @ 1573'





DOLO - LT GY / SCAT CRM, F XLN, F / G VUG & PPT POR, F / SCAT G INTXLN POR, GLAUC IN PT W/ LS - AS ABOVE W/ CHT - WHT / LT GY, TR SL WEATH

DOLO - CRM / SCAT TAN, PRED F / M XLN, SCAT VF XLN, FOSS IN PT, G INTXLN POR IN PT, F VUG POR IN PT W/ LS - CRM, F / M XLN, DNS W/ ABNT CHT - WHT / LT GY, MOD WEATH IN PT, SCAT TRIP

LS - CRM / TAN / SCAT GY, MOT IN PT, F / C XLN, OOL IN PT, PRED DNS W/ MOD ABNT CHT - GY / WHT, VIT

ABNT CHT - LT GY / TAN / WHT, MOT, VIT W/ LS - AS ABOVE W/ LS - CRM / TAN / BRN, MOT IN PT, F XLN, SUBCHKY/ DNS

LS - CRM / TAN / SCAT BRN, MOT IN PT, PRED F XLN, DOLO IN PT, SCAT CHKY, PRED DNS W/ FAMT CHT - LT GY / WHT

LS - BRN / TAN, MOT IN PT, PRED F XLN, SL FOSS, DNS W/ TR CHT - AS ABOVE

LS - AS ABOVE

DOLO & DOLO LS - TAN, VF / F XLN, PRED DNS W/ LS - AS ABOVE W/ MOD AMT SH - LT GY / GRN, SCAT SLTY, TR PYR

SH - LT / MED GY / GRN, SLTY IN PT

SH - LT / SCAT MED GY / GRN, MOD ARGIL, SLTY IN PT

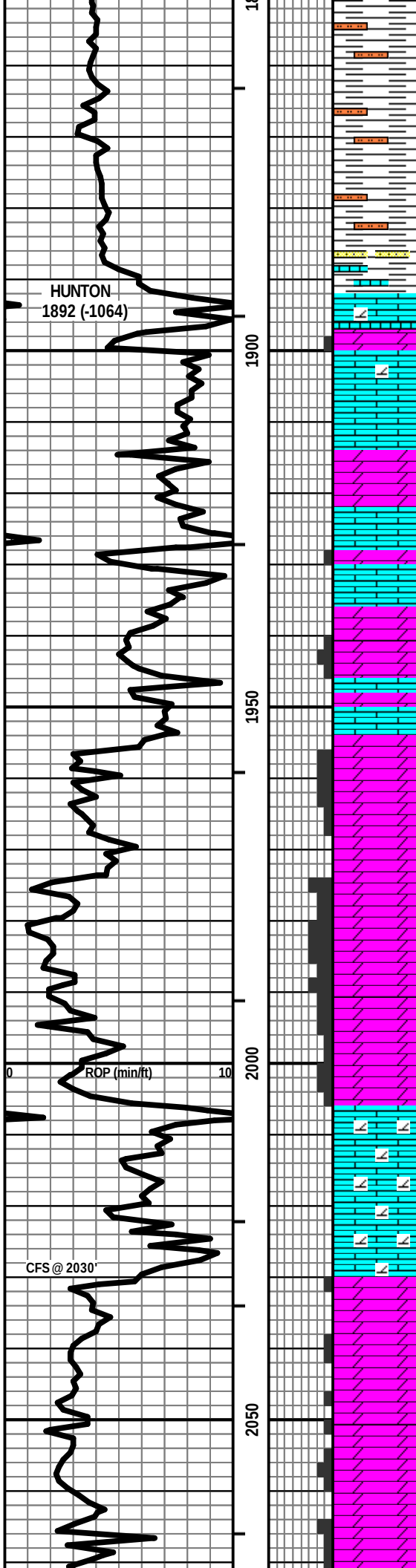
SH - AS ABOVE, SCAT PYR

Vis: 60, Wt: 9.35
YP: 18, Gels: 4/16
pH: 9.5, WL: 8.0
Chl: 800, Sol: 8
LCM: 0#

Vis: 48, Wt: 9.2

TG, C1-C5
10 100 1000

Vis: 55, Wt: 9.3



SH - LT / MED GY / GRN / SCAT BRN, SLTY IN PT, SCAT PYR

SH - BRN / GY / GRN, SLTY IN PT, SCAT PYR W/ SCAT SS - LT
GY / GRN, F / C GR, SA / R, PRED ARGIL W/ TR LS - CRM /
TAN / LT GY, F XLN, DOLO IN PT, DNS

DOLO LS & DOLO - LT GY / CRM, PRED VF XLN, TR F / M
XLN, TR P INTXLN POR, PRED DNS

LS - CRM / TAN, VF XLN, TR FOSS, SCAT SUBCHKY, PRED
DNS W/ DOLO - LT GY / CRM / SCAT WHT, MOT IN PT, VF / F
XLN, LMY IN PT, PRED DNS

LS - BRN / TAN, PRED VF / CRYPTO XLN, SCAT F XLN, PRED
DNS W/ SCAT DOLO - TAN, F / M XLN, P / NO VIS POR

DOLO - CRM / TAN, VF / F XLN, PRED P / NO VIS POR, TR F
INTXLN POR W/ LS - GY / TAN, VF / CRYPTO XLN, DNS

DOLO - TAN / BRN / SCAT CRM, PRED VF / F XLN, P / SCAT F
INTXLN POR

DOLO - CRM / TAN / SCAT WHT, PRED M / VC XLN, PRED
RHOMBIC, SCAT F XLN, G VUG & INTXLN POR, SL SHO
DEAD OIL STN, NSFO, NO ODOR

DOLO - CRM / TAN / WHT, MOT IN PT, PRED M / VC XLN,
PRED RHOMBIC, F / G INTXLN & VUG POR W/ SCAT DOLO -
TAN / BRN, VF / F XLN, SCAT P / F VUG & INTXLN POR

DOLO LS - TAN / GY, PRED LITHOGRAPHIC / CRYPTO XLN, V
DNS

DOLO LS - ASABOVE

DOLO - TAN / SCAT WHT, MOT IN PT, PRED VF / F XLN, SCAT
M / C REXLN, PRED NO / P VIS POR

DOLO - CRM / TAN / GY, MOT IN PT, PRED M / C XLN,
RHOMBIC IN PT, SOME F XLN, F INTXLN POR IN PT

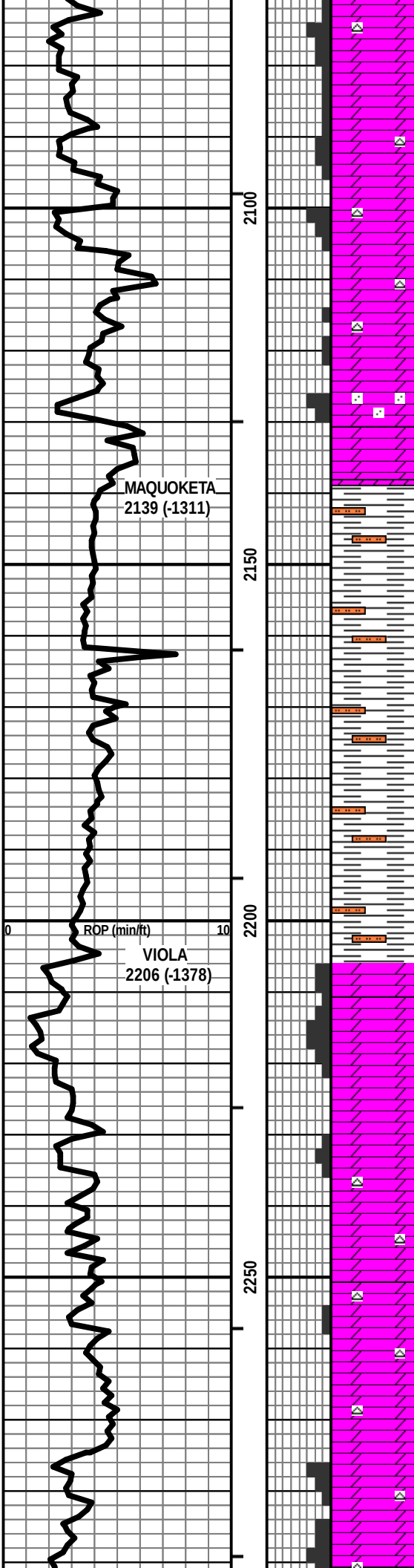
Vis: 72, Wt: 9.4
YP: 23, Gels: 4/17
pH: 9.7, WL: 7.2
Chl: 700, Sol: 8
LCM: 0#

Vis: 58, Wt: 9.2

TG, C1-C5
10 100 1000

BIT TRIP @ 2030'

REPLACE 5 JTS DRILL PIPE WITH
ONE 8" COLLAR AND FOUR 6.5"
COLLARS; ADJUST PIPE TALLY
DRLG WITH BIT #4: 12.25" CONV
NEW JZ-HJ517G; JETS: 3-16s



DOLO - TAN / CRM, PREDVF / F XLN, SCAT M XLN, FAMT F / G INTXLN & VUG POR, PRED NO VIS POR W/ SCAT CHT - LT GY

DOLO - V SIM TO ABOVE, VF / M XLN, F / G INTXLN POR IN PT W/ CHT - LT GY

DOLO - CRM / TAN, VF / F XLN, PRED N / P INTXLN POR W/ DOLO - GY, F / M XLN, AREN IN PT, F / G VUG & INTXLN POR W/ SCAT CHT - AA

DOLO - CRM / TAN, AS ABOVE W/ ABNT SH - GRN / GY, SLTY IN PT

SH - GY / GRN, SLTY IN PT

SH - GY / GRN, SLTY IN PT

SH - PRED GY / SCAT GRN, SLTY IN PT

DOLO - LT GY / SCAT CRM, MOT IN PT, F / C XLN, PRED RHOMBIC, F / G INTXLN POR, SCAT VUG POR

DOLO - LT GY / WHT, F / M XLN, PRED RHOMBIC, F INTXLN POR IN PT W/ DOLO - TAN / BRN, VF / F XLN, PRED DNS W/ CHT - WHT / GY

DOLO - TAN / BRN, F / VF XLN, TR P INTXLN POR, PRED DNS W/ CHT - GY / WHT / CRM, MOT

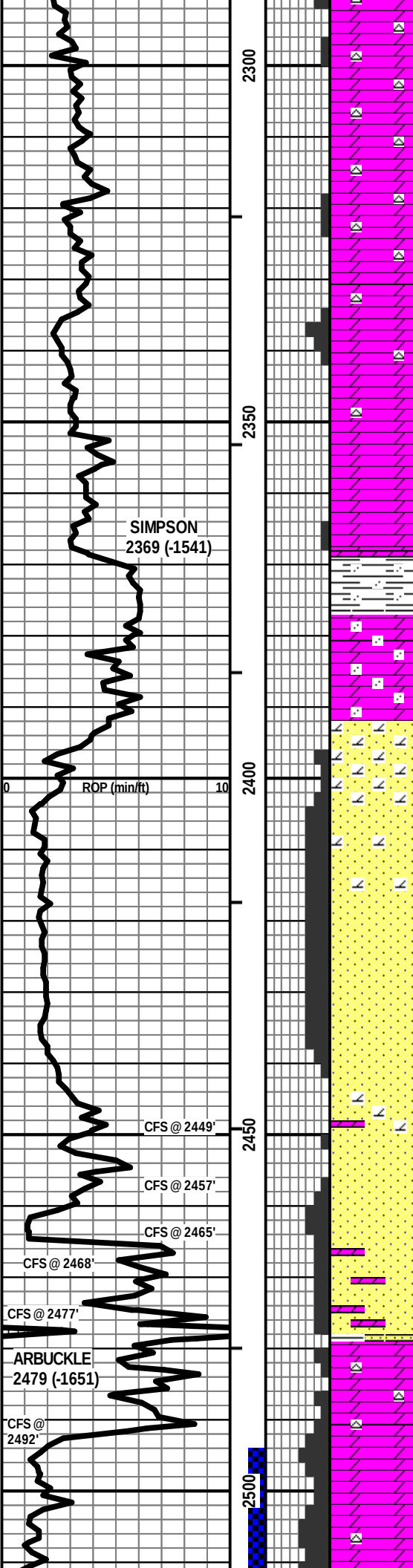
DOLO - TAN / CRM / SCAT GY, F / M XLN RHOMBIC IN PT, F / G VUG & INTXLN POR IN PT W/ SCAT CHT - AS ABOVE

LOSING FLUID 2070'-2098';
CIRC @ 2098', ADD LCM,
AND DECR PUMP S/M;
LOST APPROX 60 BBLS

Vis: 59, Wt: 9.2
YP: 15, Gels: 3/12
pH: 10.0, WL: 7.0
Chl: 700, Sol: 7
LCM: 0#

TG, C1-C5

Vis: 56, Wt: 9.0



DOLO - TAN / BRN, F XLN, PRED P / NO INTXLN POR, SCAT F
POR W/ ABNT CHT - GY / TAN, MOT

DOLO - TAN / BRN, F XLN, SCAT P / TR F INTXLN POR W/
ABNT CHT - GY / TAN / BRN, MOT IN PT

DOLO - TAN / BRN, F / M XLN, RHOMBIC IN PT, F / G INTXLN
POR IN PT W/ CHT - ASABOVE

DOLO - ASABOVE W/ SH - GRN, AREN IN PT W/ DOLO -
TAN / DK BRN, F / M XLN, SL AREN IN PT, PRED NO / P
INTXLN POR, TR F POR, SL SHO, ASPH & GILS, NSFO, FT
ODOR

DOLO - TAN / DK BRN / SCAT GY, F / M XLN, AREN IN PT,
PRED NO / P INTXLN POR, F SHO ASPH & GILS, NSFO, FT
ODOR W/ SH - GRN, SLTY IN PT

DOLO - ASABOVE W/ SS - LT GY, PRED F / M GR, SCAT C
GR, FW / W SRTD, SA / R, DOLO IN PT, F / G INTGR POR IN PT,
FRI IN PT

SS - ASABOVE, DOLO IN PT W/ SS - LT GY, M / VC GR, FW /
W SRTD, SR / R, SL / MOD CALC CEM, G INTGR POR, FRI, SL
SHO GILS, NSFO W/ SCAT UNCONS QTZ GR, SR / R

SS - LT GY, PRED F / M GR, SCAT C / VC GR, F / W SRTD, SA /
R, G INTGR POR, FRI W/ SCAT UNCONS QTZ GR, SR / R

SS - LT GY, UNCONS, PRED F / M GR, FAMT C GR, SA / R W/
SS CLSTRS - LT GY / TAN, V DOLO IN PT W/ TR VAREN
DOLO W/ ABNT CAVINGS

SS - LT GY / TAN, V DOLO, AS ABOVE W/ SCAT CHT - LT GY/
WHT, WEATH / TRIPIN PT W/ ABNT SS - UNCONS, PRED F /
M GR, SCAT C GR

(WELL CUTTINGS VERY SMALL)

SS - UNCONS, F / C GR, SA / R

(WELL CUTTINGS VERY SMALL)

SS - UNCONS, F / C GR, SA / R W/ TR DOLO - CRM / TAN / LT
GY, PRED F XLN (CAVINGS?)

(WELL CUTTINGS VERY SMALL)

SS - UNCONS, F / C GR, SA / R W/ SCAT DOLO - CRM / TAN /
LT GY, PRED F XLN (CAVINGS?)

(WELL CUTTINGS FAIR SIZE TO NORMAL)

DOLO - TAN / CRM / LT GY, F / M XLN, RHOMBIC IN PT, SCAT
AREN, F / G INTXLN & VUG POR IN PT W/ MOD AMT CHT -
LT GY / WHT, SCAT OOL W/ FAMT SS CLSTRS - LT GY, F / M
GR, DOLO IN PT W/ SCAT SH - GRN / GY

DOLO - CRM / TAN, F / M XLN, RHOMB IN PT, SUCR IN PT, F /
G INTXLN & VUG POR, FRI IN PT

DOLO - CRM / TAN, F / M / SCAT C XLN, RHOMBIC, F / G
INTXLN & VUG POR, FRI IN PT W/ SCAT CHT - LT GY / WHT

Vis: 60, Wt: 9.2

TG, C1-C5

Vis: 57, Wt: 9.3
YP: 15, Gels: 4/9
pH: 9.8, WL: 7.0
Chl: 650, Sol: 7
LCM: 0#

SET 8.625" CSG @ 2478'

DRLG WITH BIT #5: 7.625" CONV
NEW SECURITY-S86F; JETS: 3-16s

DST #1: 2478'-2514'; SEE
DST HEADER FOR RESULTS

DST #2: 2494'-2514'; SEE
DST HEADER FOR RESULTS

CFS @ 2514'

2550

2600

2650

2700

DOLO - V SIM TO ABOVE W/ DOLO - LT GY, F / M XLN, P / F
INTXLN POR IN PT W/ CHT - LT GY

DOLO - TAN / CRM, VF / F / SCAT M XLN, SCAT RHOMBIC,
SCAT F / G INTXLN POR, DNS IN PT W/ CHT - LT GY / WHT

DOLO - TAN / CRM / GY, PRED VF / F XLN, SCAT M XLN,
SUCR IN PT, F / G INTXLN POR IN PT, F VUG POR IN PT

DOLO - CRM / TAN, PRED F XLN, SCAT M XLN, SUCR IN PT, F
/ G INTXLN & PPT & VUG POR IN PT, SOME DNS W/ ABNT
CHT - WHT / LT GY

DOLO - ASABOVE W/ DOLO - LT GY / CRM, MOD AMT F PPT
& VUG POR, P POR / DNS IN PT W/ CHT - ASABOVE

DOLO - GY / SCAT CRM, PRED VF / F XLN, SCAT P / F INTXLN
POR, PRED DNS W/ SCAT CHT

DOLO - GY / CRM / SCAT TAN, PRED VF / F XLN, SCAT M
XLN, AREN IN PT, SCAT F / G INTXLN POR TO DNS

DOLO - WHT / LT GY, PRED M / C XLN, F / G VG POR IN PT, TR
GLAUC

DOLO - V SIM TO ABOVE, TR GLAUC

DOLO - WHT / LT GY, PRED M / C XLN, F / G VG POR IN PT, TR
GLAUC

DOLO - ASABOVE W/ DOLO - PRED GY, PRED VF / F XLN,
PRED DNS

PRED CAVINGS FROM BEAMING TO BOTTOM

Vis: 40, Wt: 9.0
YP: 9, Gels: 2/7
pH: 10.5, WL: 8.8
Chl: 650, Sol: 4
LCM: 0#

Vis: 45, Wt: 8.8

TG, C1-C5

Vis: 49, Wt: 8.8

LOOSING PARTIAL RETURNS;
APPROX 10 BBL PER HOUR;
ADD PREMIX WITH 4# / BBL
LCM; CONTINUE FLOWING
THRU SHAKERS

BIT TRIP @ 2720'

DRLG WITH BIT #6: 7.625" CONV
NEW SECURITY-S86F; JETS: 3-16s

Vis: 43, Wt: 8.9

PRED CAVINGS FROM REAMING TO BOTTOM

YP: 8, Gels: 2/5
pH: 10.0, WL: 8.2
Chl: 800, Sol: 4
LCM: 0#

DOLO - LT GY / CRM, F / SCAT M XLN, AREN IN PT, P / F
INTXLN POR IN PT

DOLO - LT GY / CRM, F / M XLN, RHOMBIC IN PT, F INTXLN
POR IN PT, SCAT PYR

DOLO - LT GY / CRM, MOT IN PT, F / M XLN, RHOMBIC IN PT,
F / G VUG POR IN PT, F INTXLN POR IN PT

----- TOTAL DEPTH 2801 (-1973) -----

LOOSING PARTIAL RETURNS;
APPROX 40 BBLs PER HOUR;
ADD PREMIX WITH 4# / BBL
LCM; BYPASS SHAKERS

LOST FULL RETURNS @ 2801';
PULL 5 STANDS; ADD PREMIX
WITH 22# / BBL LCM & DECR
PUMP OUTPUT; NO SUCCESS;
DECISION MADE TO MAKE TD

TG, C1-C5

2750

2800

ROP (min/ft)

1 10 100 1000