

**MUD LOG**  
**WellSight Systems**  
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: State North Platte 24-21-26HNB  
Location: SE/SW Sec. 26-T5N-R63W  
License Number: API 05-123-38311-00  
Spud Date: 11/22/2013  
Surface Coordinates: 499 FSL, 2382 FEL

Region: DJ Basin  
Drilling Completed: 11/26/2013

Bottom Hole 470 FNL, 1959 FWL  
Coordinates:  
Ground Elevation (ft): 4550      K.B. Elevation (ft): 4567  
Logged Interval (ft): 6000      To: 6817      Total Depth (ft): 6817  
Formation: Niobrara  
Type of Drilling Fluid: Water base

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

**OPERATOR**

Company: Bonanza Creek Energy Inc.  
Address: 410 17th Street, Suite 1500  
Denver, CO 80202

**GEOLOGIST**

Name: Gabriel Genitempo, Douglas Bower  
Company: WEATHERFORD SLS/TOOKE ROCKIES  
Address: PO BOX 435  
CASPER, WY 82602  
307.265.2124

**Cores**

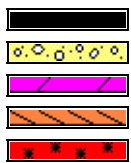
**DSTs**

**Comments**

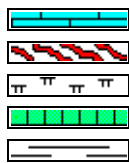
**ROCK TYPES**



Anhy  
Bent  
Brec  
Cht  
Clyst



Coal  
Congl  
Dol  
Gyp  
Igne



Lmst  
Meta  
Mrlst  
Salt  
Shale



Shcol  
Shgy  
Sltst  
Ss  
Till



Chlk

## ACCESSORIES

### MINERAL

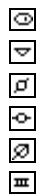
Anhy  
Arggrn  
Arg  
Bent  
Bit  
Brecfrag  
Calc  
Carb  
Chtdk  
Chtlit  
Dol  
Feldspar  
Ferrpel  
Ferr  
Glau



Gyp  
Hvymin  
Kaol  
Marl  
Minxl  
Nodule  
Phos  
Pyr  
Salt  
Sandy  
Silt  
Sil  
Sulphur  
Tuff

### FOSSIL

Algae  
Amph  
Belm  
Bioclst  
Brach  
Bryozoa  
Cephal  
Coral  
Crin  
Echin  
Fish  
Foram  
Fossil  
Gastro  
Oolite



Ostra  
Pelec  
Pellet  
Pisolite  
Plant  
Strom

### STRINGER

Anhy  
Arg  
Bent  
Coal  
Dol  
Gyp  
Ls  
Mrst

Sltstrg  
Ssstrg

### TEXTURE

Boundst  
Chalky  
Cryxln  
Earthy  
Finexln  
Grainst  
Lithogr  
Microxln  
Mudst  
Packst  
Wackest

## OTHER SYMBOLS

### POROSITY

Earthy  
Fenest  
Fracture  
Inter  
Moldic  
Organic  
Pinpoint



Vuggy

### SORTING

Well  
Moderate  
Poor

### ROUNDING

Rounded  
Subrnd  
Subang  
Angular



Spotted  
Ques  
Dead

### INTERVAL

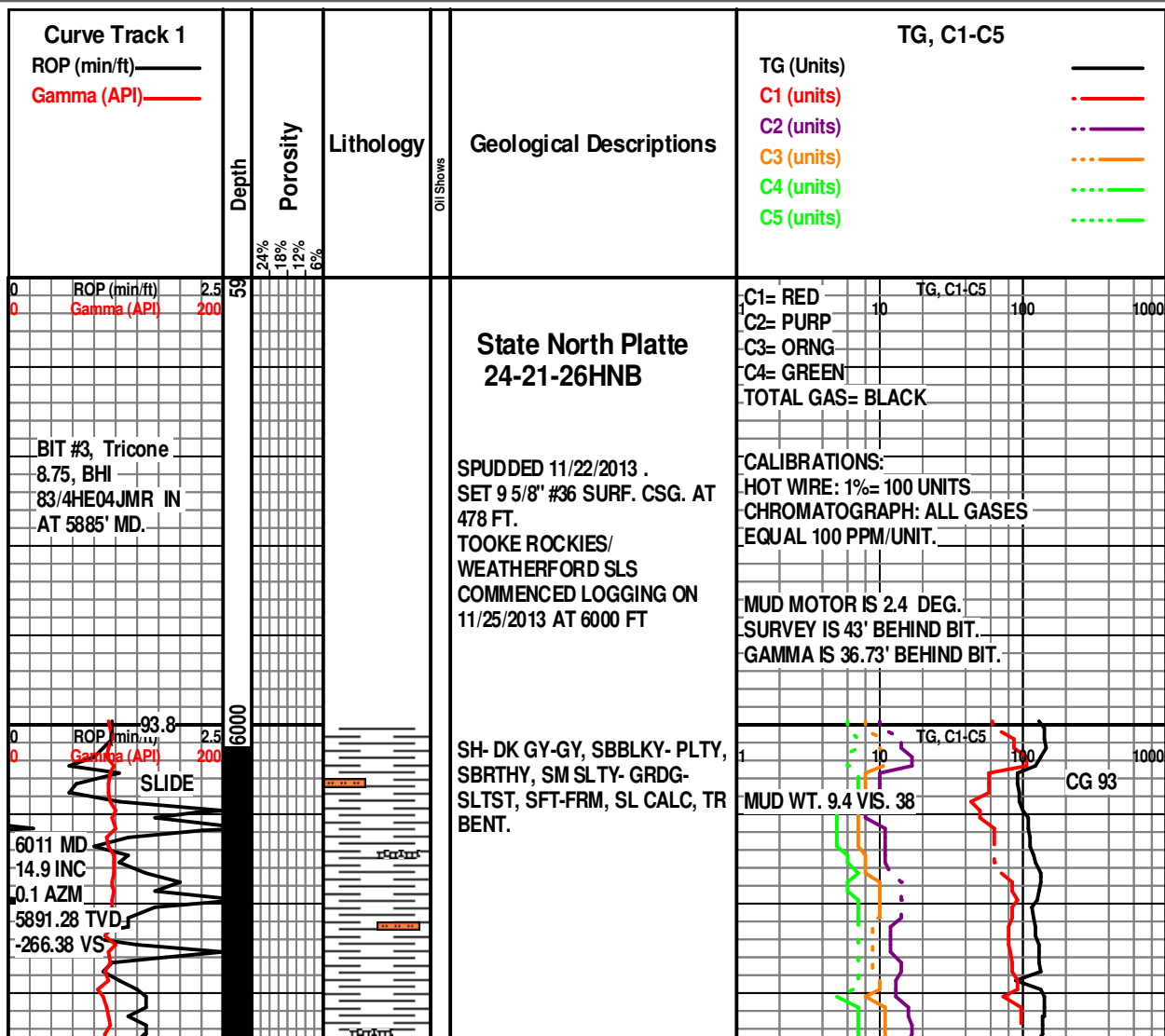
Core  
Dst

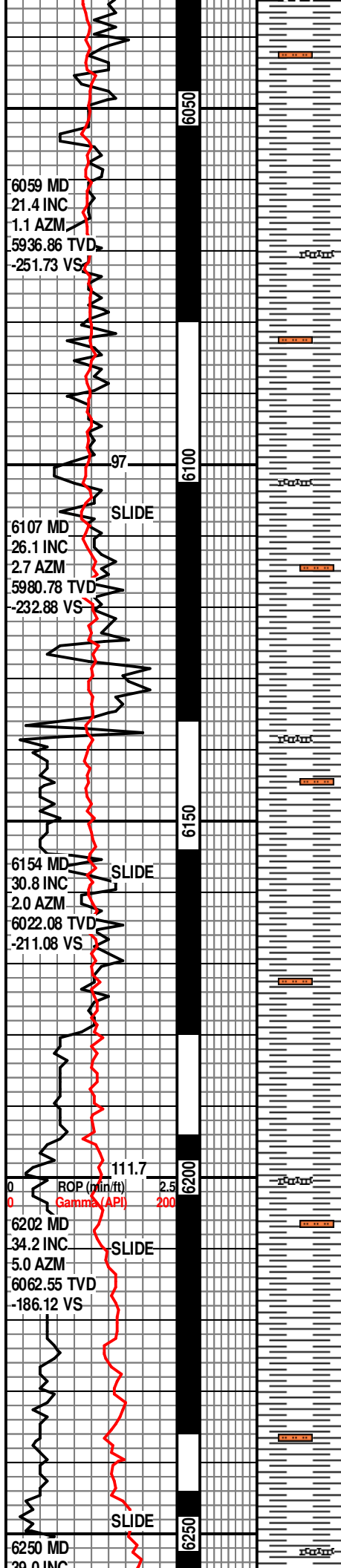
### EVENT

Rft  
Sidewall

### OIL SHOW

Even





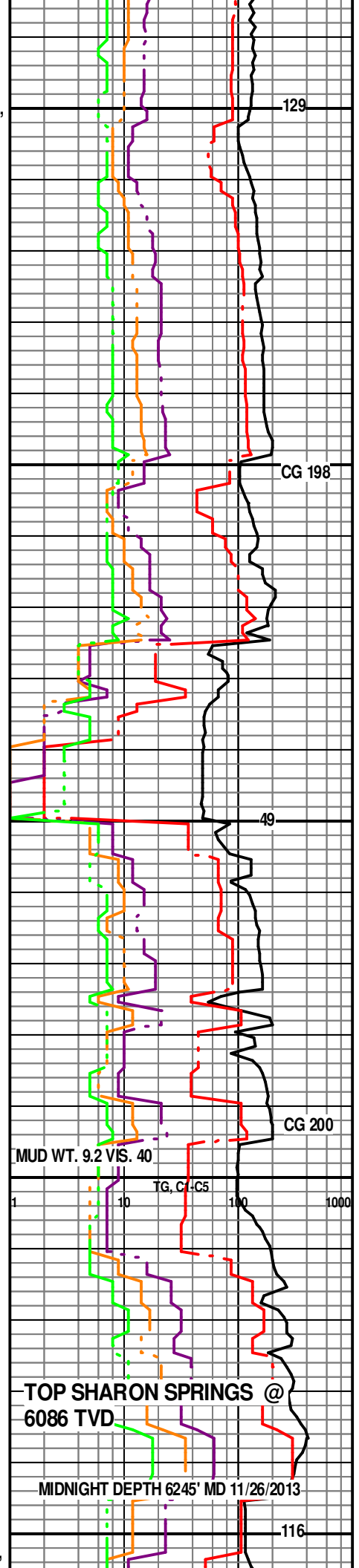
SH- DK GY-GY- MED GY,  
SBBLY- PLTY, SBRTHY, SM  
SLTY- GRDG SLTST, SFT-FRM,  
SL CALC, TR BENT.

SH- DK GY-GY- MED GY,  
SBBLY- PLTY, SBRTHY,  
SFT-FRM, SL CALC, SLTY, TR  
BENT.

SH- DK GY-GY- MED GY,  
SBBLY- PLTY, SBRTHY,  
SFT-FRM, SL CALC, SLTY. TR  
SLTST- GY, MOD SFT, SL  
CALC. TR BENT.

SH- DK GY-GY- MED GY,  
SBBLY- PLTY, SBRTHY,  
SFT-FRM, SL CALC, SLTY. TR  
SLTST- GY, MOD SFT, SL  
CALC. TR BENT.

SH- GY-DK GY, PLTY, SBRTHY,  
SFT-FRM, SL CALC, SLTY.



129

CG 198

49

CG 200

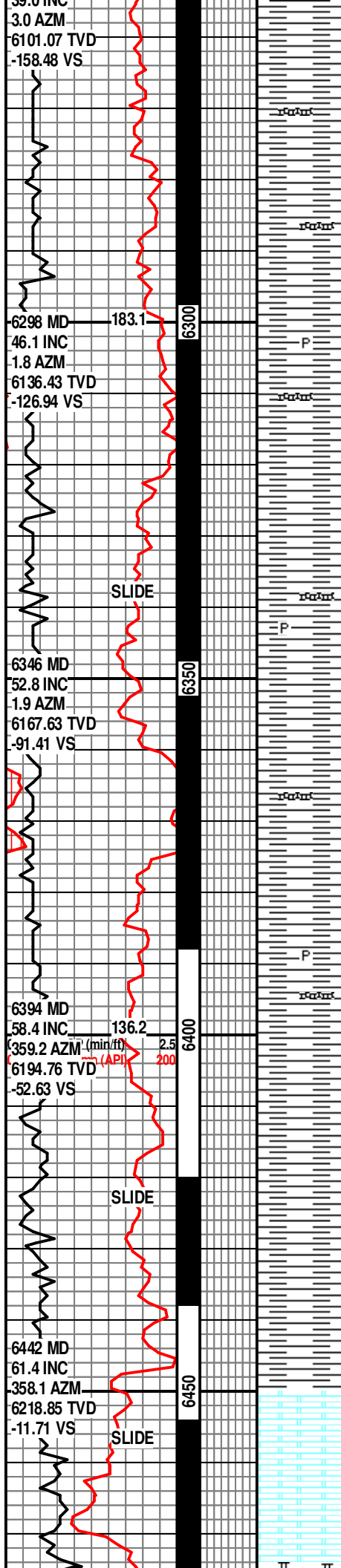
MUD WT. 9.2 VIS. 40

TG, C1-C5

TOP SHARON SPRINGS @  
6086 TVD

MIDNIGHT DEPTH 6245' MD 11/26/2013

116



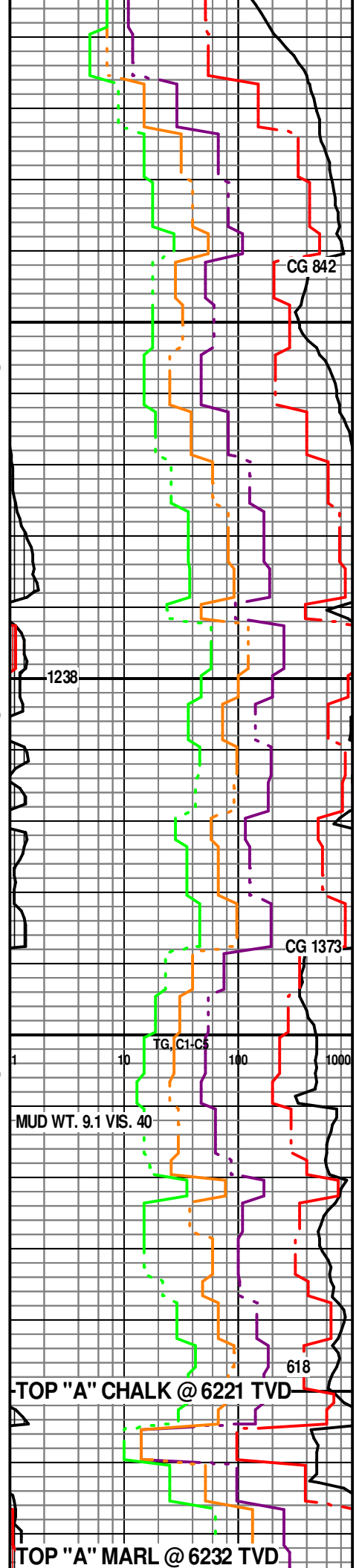
SFT-FRM, SL CALC, SL SLTY.  
SCT-TR BENT- WH-CREAM.

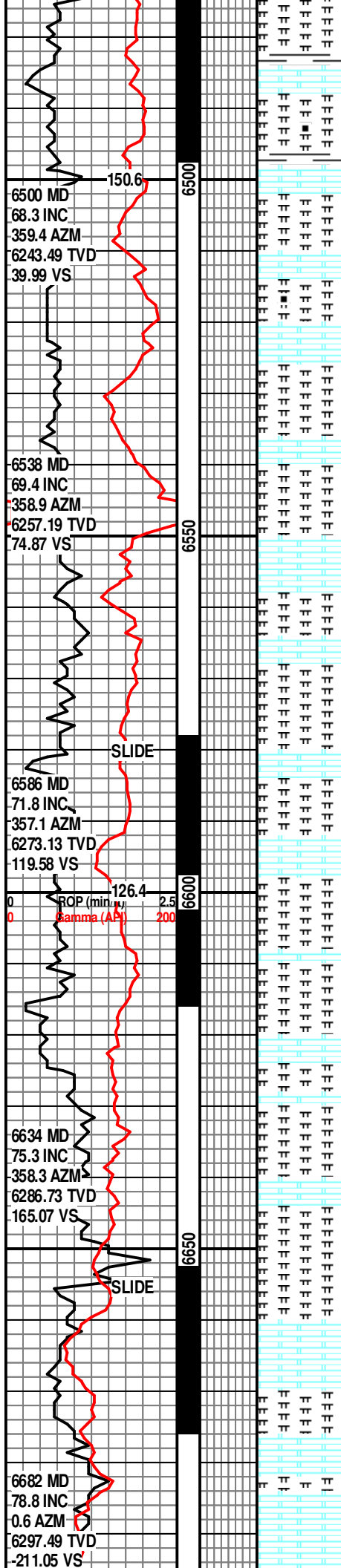
SH- LT GY-DK GY, PLTY,  
SBRTHY-RTHY, MOD SFT-FRM,  
SL CALC, TR PYR. SCT-TR  
BENT- WH- CREAM.

SH- LT GY-DK GY, PLTY,  
SBRTHY-RTHY, MOD SFT-FRM,  
SL CALC, TR PYR. SCT-TR  
BENT- WH- CREAM.

SH- LT GY-DK GY, PLTY,  
SBRTHY-RTHY, MOD SFT-FRM,  
SL CALC, TR PYR. SCT-TR  
BENT- WH- CREAM.

80%CHK- LT GY-BRN, SM DK  
GY, SBBLKY- SFT-FRM, RTHY,  
V CALC, TR BENT, 20% SH-  
DKGY-GY, SBBLKY- PLTY,  
SFT- FRM, CARB, CALC.





75% MRLST- DK GY- GY ,  
MOTL, BLKY- PLTY, SBWXY, V  
CALC- LMY, CARB , SFT-FRM,  
25% CHK- LTGY- LT BRN- TN,  
SFT-FRM, RTHY, V CALC.

70% MRLST- DK GY- GY ,  
MOTL, BLKY- PLTY, SBWXY, V  
CALC- LMY, CARB , SFT-FRM,  
30% CHK- LTGY- LT BRN- TN,  
SFT-FRM, RTHY, V CALC.

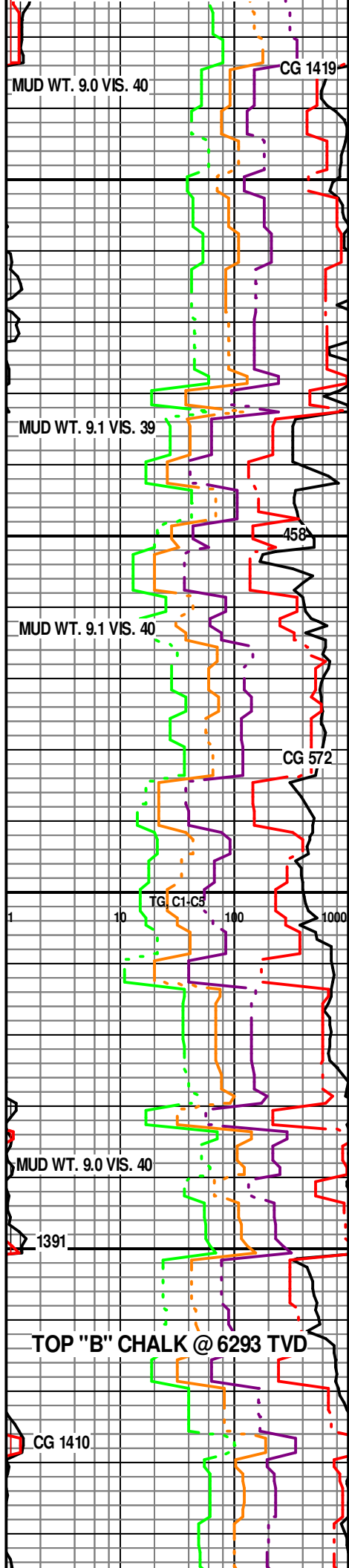
80% MRLST- DK GY- GY ,  
MOTL, BLKY- PLTY, SBWXY, V  
CALC- LMY, CARB , SFT-FRM,  
20% CHK- LTGY- LT BRN- TN,  
SFT-FRM, RTHY, V CALC.

80% MRLST- DK GY- GY ,  
MOTL, BLKY- PLTY, SBWXY, V  
CALC- LMY, CARB , SFT-FRM,  
20% CHK- LTGY- LT BRN- TN,  
SFT-FRM, RTHY, V CALC.

80% MRLST- DK GY- GY ,  
MOTL, BLKY- PLTY, SBWXY, V  
CALC- LMY, CARB , SFT-FRM,  
20% CHK- LTGY- LT BRN- TN,  
SFT-FRM, RTHY, V CALC.

80% CHK- LT GY-GY- LT BRN,  
BLKY, SBWXY, RTHY, V CALC,  
TR PYR. 20% MRLST- DK GY,  
MOTL, BLKY- PLTY, SBWXY, V  
CALC-LMY, CARB, SFT- FRM.

80% CHK- LT GY-GY- LT BRN,  
BLKY, SBWXY, RTHY, V CALC,



MUD WT. 9.0 VIS. 40

CG 1419

MUD WT. 9.1 VIS. 39

456

MUD WT. 9.1 VIS. 40

CG 572

TG C1-C3

1

10

100

1000

MUD WT. 9.0 VIS. 40

1391

TOP "B" CHALK @ 6293 TVD

CG 1410

