



Weatherford®

Surface Logging Systems

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

884 Implement Dr.
Dickinson, ND 58601
701-227-4408

2122 Melodi Ln.
Po Box 435
Casper, WY 82601
307-265-2124

Well Name: NORTH PLATTE FEDERAL K-O-22HBN
Location: NENW Sec. 22 -T5N -R63W
License Number: API 05-123-37700-00
Spud Date: 10/15/13
Surface Coordinates: 324 FNL & 2561 FEL
Region: DJ BASIN
Drilling Completed: 10/19/13

Bottom Hole 470 FSL & 2600 FEL
Coordinates:
Ground Elevation (ft): 4649 K.B. Elevation (ft): 4666
Logged Interval (ft): 6200 To: 6893 Total Depth (ft): 6893
Formation: NIOBRARA "B CHALK"
Type of Drilling Fluid: WATER BASE

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BONANZA CREEK ENERGY INC.
Address: 410 17TH STREET, SUIT 1500
DENVER, CO 80202
(720) 440-6104

GEOLOGIST

Name: GABRIEL GENITEMPO, MICHAEL EVEN
Company: Weatherford SLS
Address: PO Box 435
Casper, WY. 82601
307.265.2124

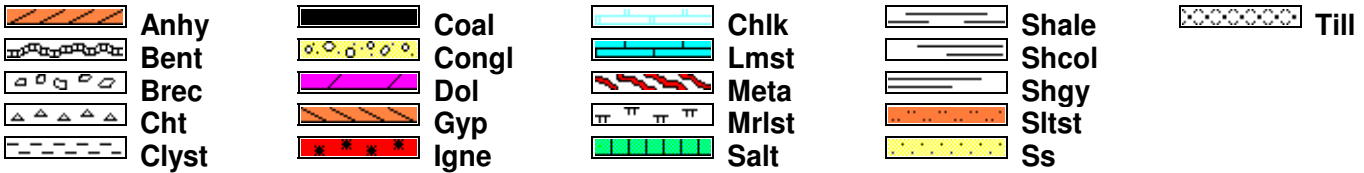
Supervision

CORE

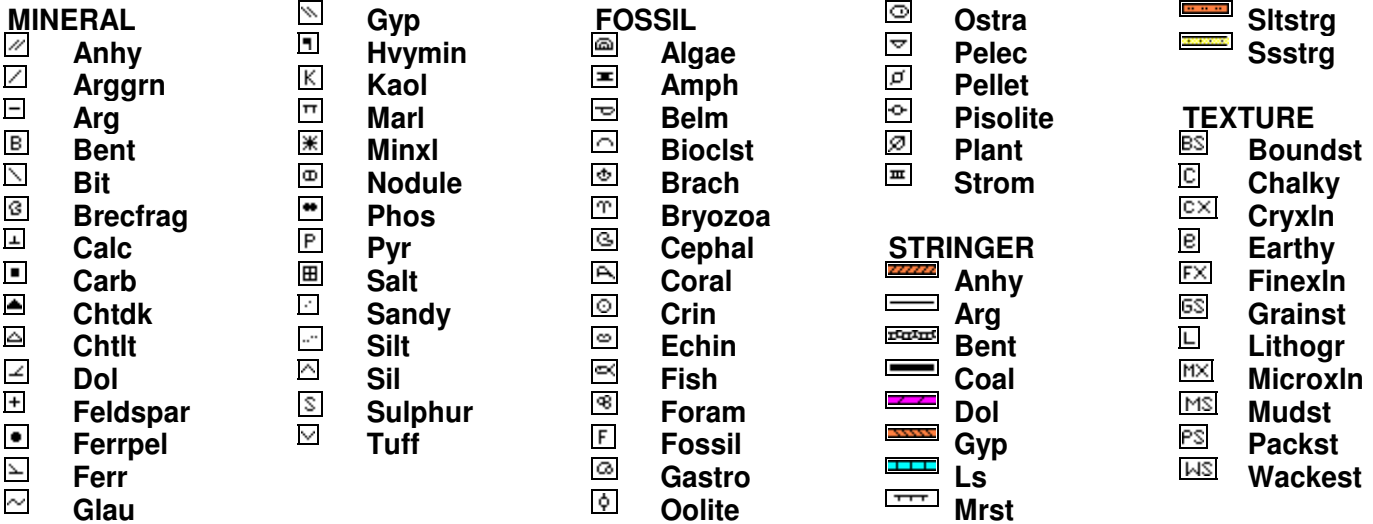
Contractor:
Core #:
Formation:
Core Interval: From: Cut:
To: Recovered:
Bit type:
Size:
Coring Time:

Comments

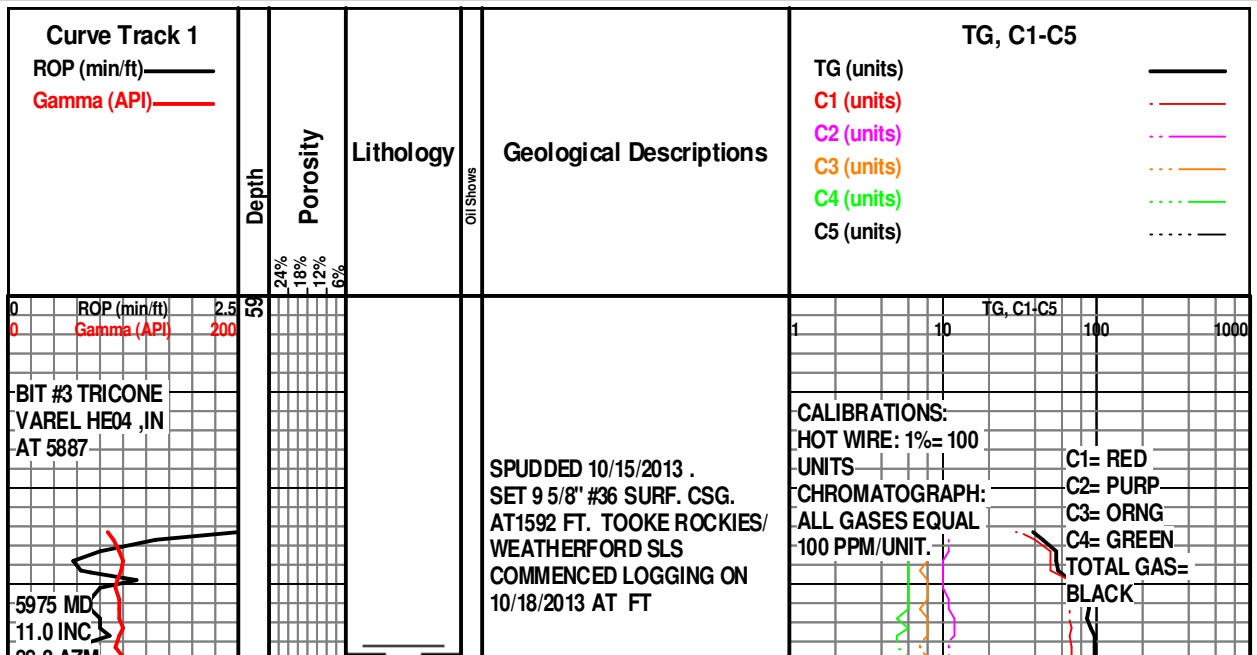
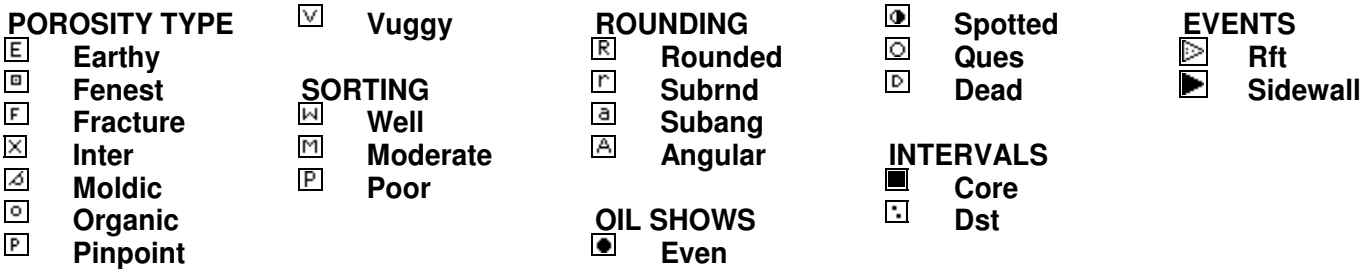
ROCK TYPES

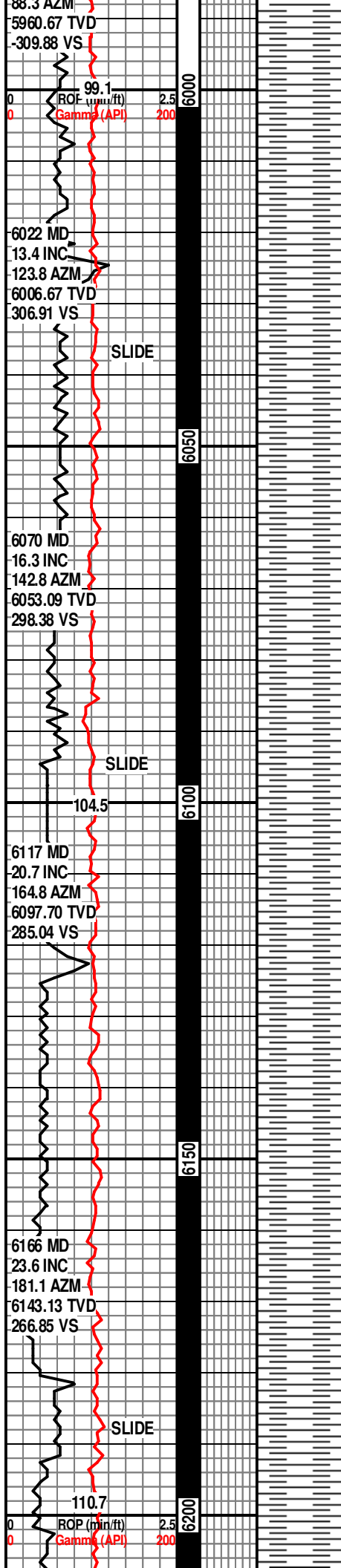


ACCESSORIES



OTHER SYMBOLS





SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLKY, SBWXY-SBRTHY. SLI
SLT. CONTAINS SWEEP
MATERIAL

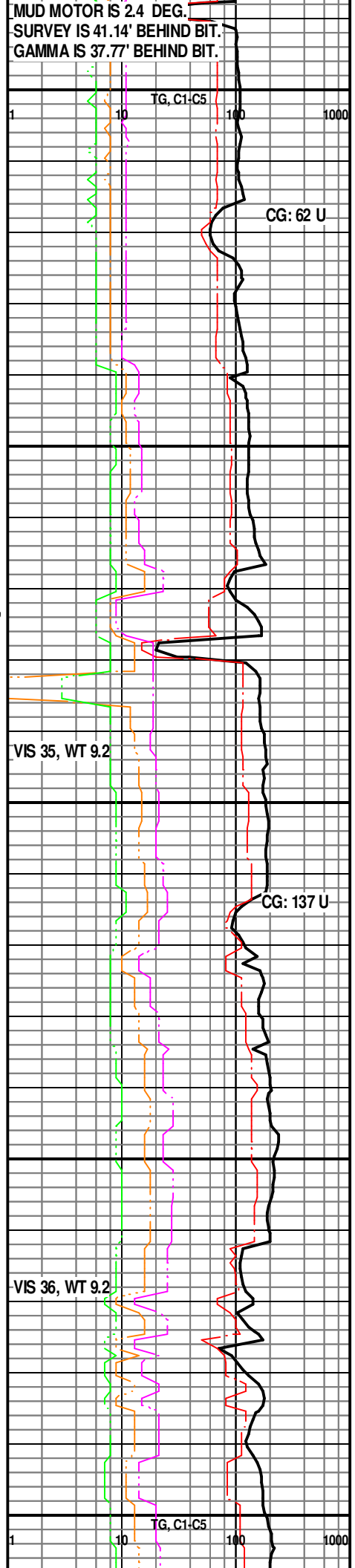
SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLKY, MOD SBRTHY

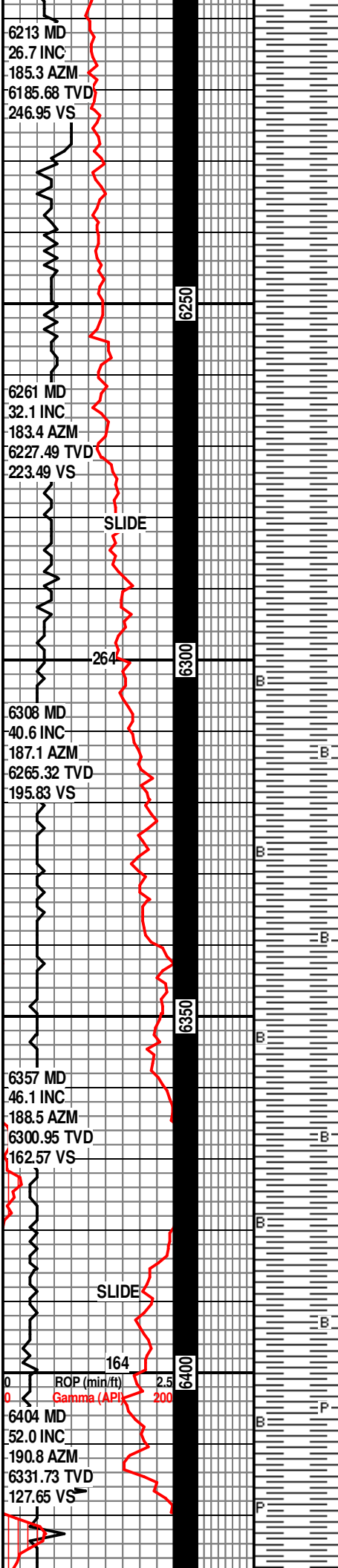
SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI, SBPLTY,
SBWXY-SBRTHY

SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLKY, MOD SBRTHY

SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLKY, SBWXY-SBRTHY

SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLKY, MOD SBRTHY





SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLK, MOD SBRTHY, SLI
CALC.

SH- DRK-MED GY, SCAT LT GY,
SLI FRM-FRI, SBPLTY, MOD
SBWXY

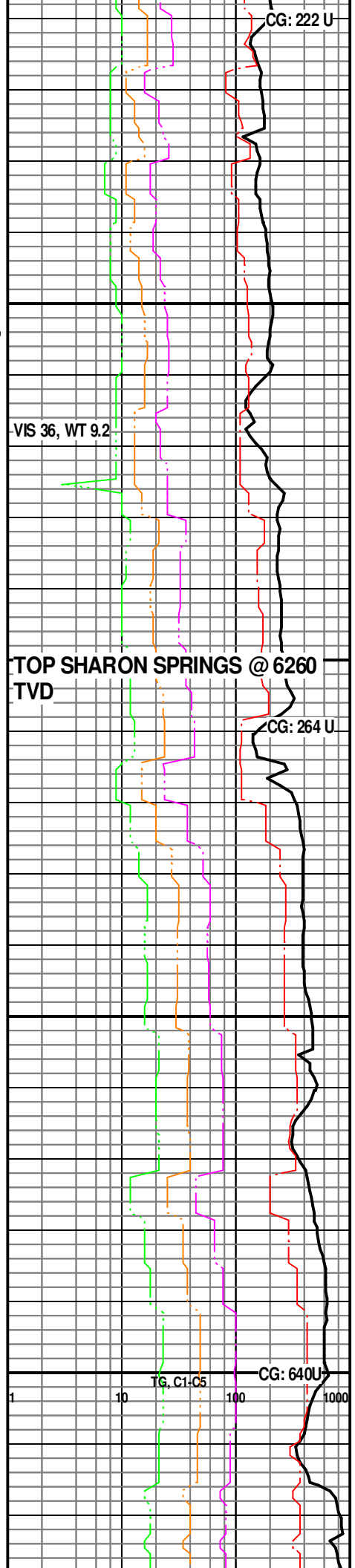
SH- DRK GY-MED GY, TR BRN,
FRM-OCC HRD,
SBBLK-SBPLTY,
SBRTHY-OCC SBWXY.

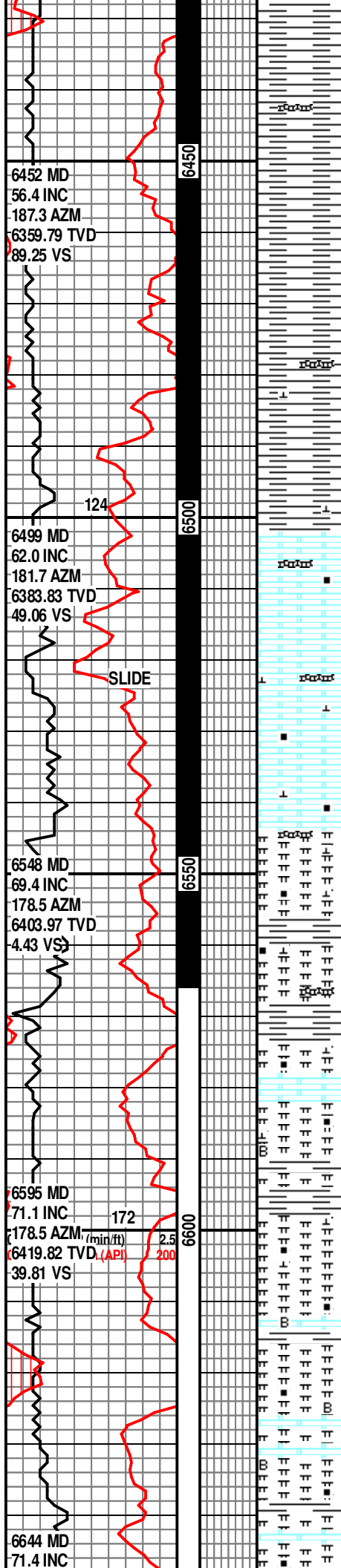
SH- DRK GY-GY/BLK, SCAT
MED GY, SLI FRM-FRI,
SBBLK, MOD SBRTHY, TR
BENT.

SH- DRK-MED GY, OCC LT GY,
SLI FRM-MOD FRI, PRED
SBPLTY, SBWXY, TR BENT.

10/19/2013

SH- DRK-MED GY, OCC LT GY,
SLI FRM-MOD FRI, PRED
SBPLTY, SBWXY, TR BENT, TR
PYR.





SH- PRED DRK GY, SCAT
GY/BLK, TR LT GY, SLI FRM,
SBPLTY, SBWXY, WK CALC

SH- DRK GY-GY/BLK, FRM,
SBPLTY-SBSPLTRY, OCC
SBBLKY, SBWXY, SCAT
GY/GRN BENT, WK CALC

CHK- DRK GY-BY/BLK,
FRM-SLI FRI, SBPLTY-SCAT
SBBLKY, TR GY/GRN BENT.

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

85% MRLST- DK GY- GY,
MOTL, BLKY- PLTY, SBWXY, V
CALC- LMY, CARB, SFT-FRM,
15% CHK- LTGY- LT BRN, SM
GY BRN, SFT-FRM, RTHY, V
CALC, TR BENT.

