



CATAMOUNT ENERGY PARTNERS

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

Well Name: CARPENTER 32-6-3 #1S

API: 05067099180000

Location: S3 T32N R6W

License Number:

Spud Date: 3/30/15

Surface Coordinates: 2386' FSL 1763' FEL

Region: IGNACIO

Drilling Completed: 4/2/15

Bottom Hole FROM SURFACE: 215.27 N & 1075.64 E

Coordinates:

Ground Elevation (ft): 6372

K.B. Elevation (ft): 6388

Logged Interval (ft): 2000 To: 3392

Total Depth (ft): 3392

Formation: FRUITLAND COAL

Type of Drilling Fluid: FRESH WATER

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

OPERATOR

Company: CATAMOUNT ENERGY PARTNERS

Address: 1801 BROADWAY SUITE 1000
DENVER CO 80202

GEOLOGIST

Name: NOLAN REDMOND

Company: CATAMOUNT ENERGY PARTNERS

Address: 1801 BROADWAY #1000
DENVER CO 80202

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

ACCESSORIES

MINERAL

Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
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

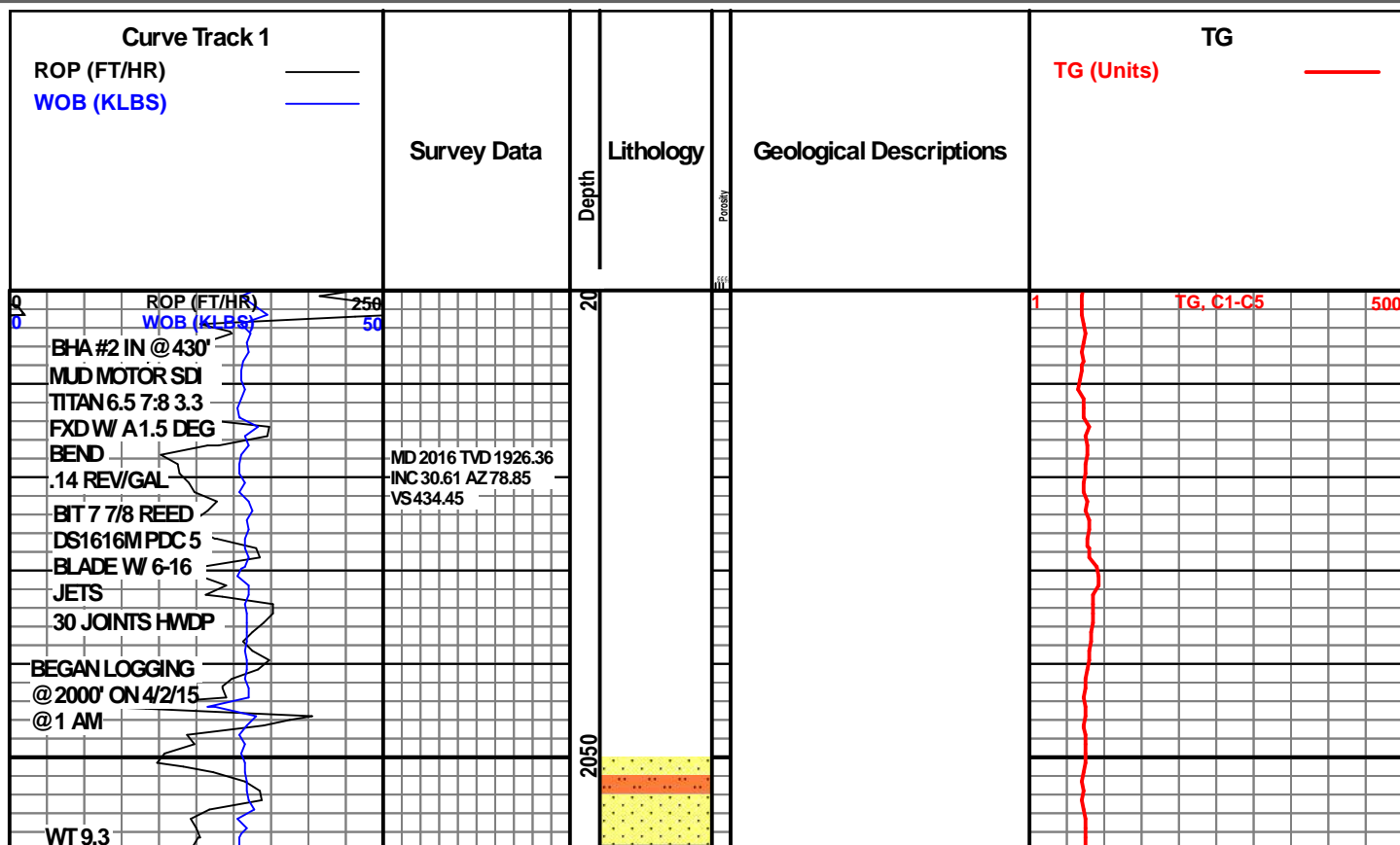
Core
Dst

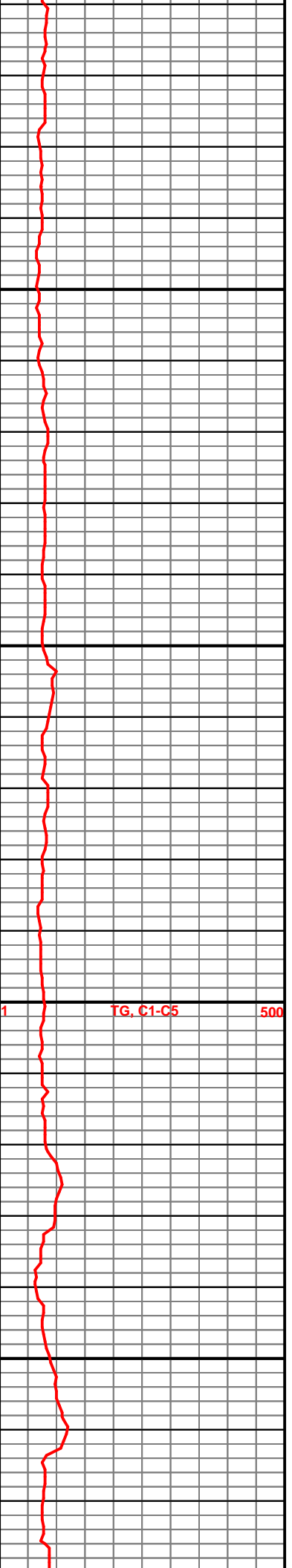
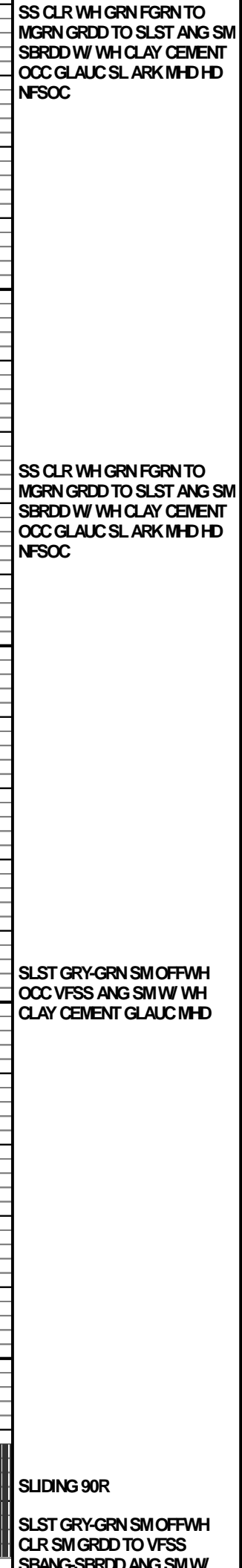
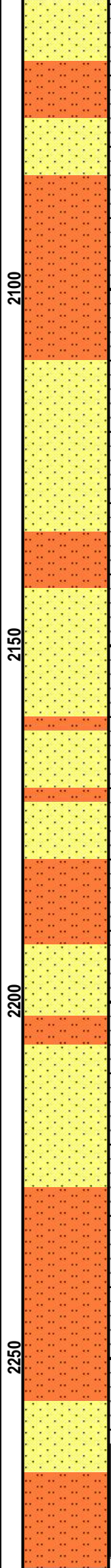
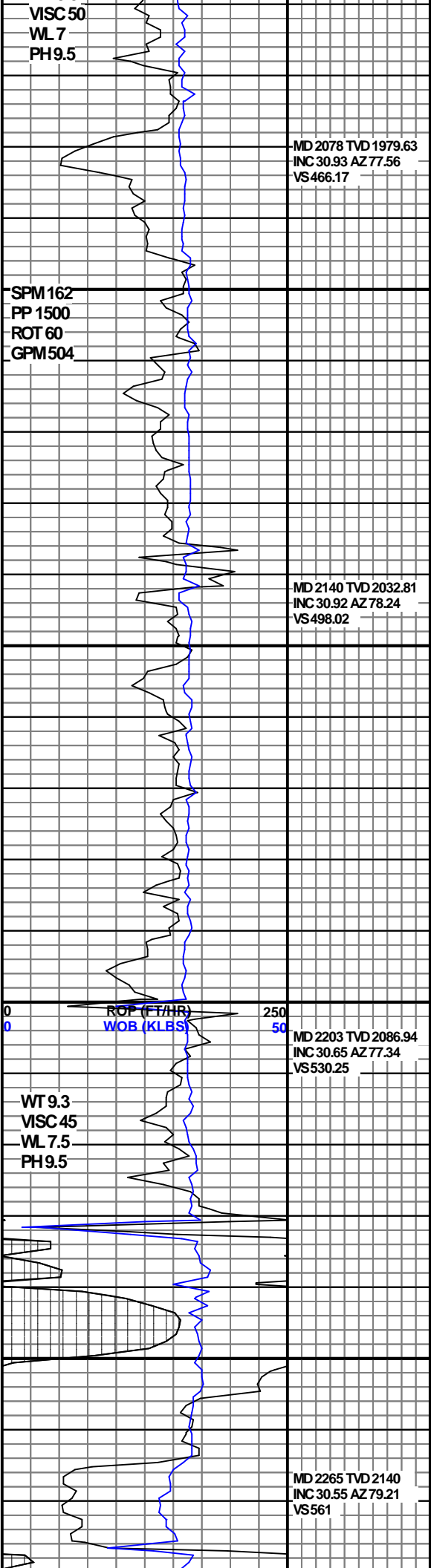
EVENT

Rft
Sidewall

OIL SHOW

Even





WH CLAY CEMENT GLAUC MHD

SLST MGY GRN OCC VFG
OFFWH SS OCC GLAUC MHD

SLST LTGY MGY GRN SM
VFSS CLR WH OFFWH
VFG-MG SBRDD-SBANG
WELLCEM W/ WH CLAY
CEMENT SM GLAUC MHD HD

SS CLR WH OFFWH SM
LTGY-MGY VFG-MG
SBRDD-SBANG WELLCEM W/
WH CLAY CEMENT TT MHD HD

MD 2328 TVD 2195.16
INC 29.69 AZ 78.22
VS 592.82

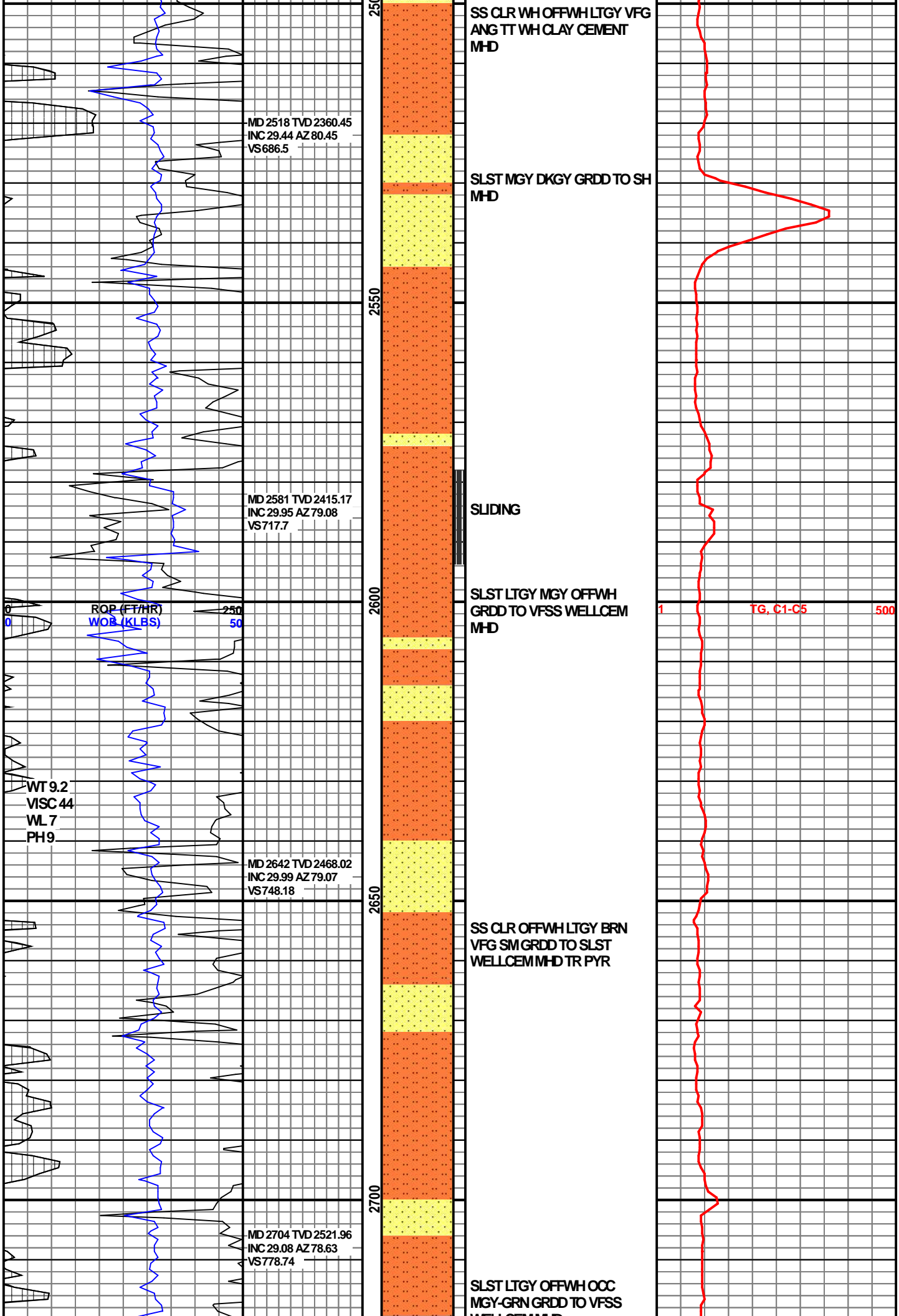
MD 2391 TVD 2249.97
INC 29.38 AZ 78.07
VS 623.86

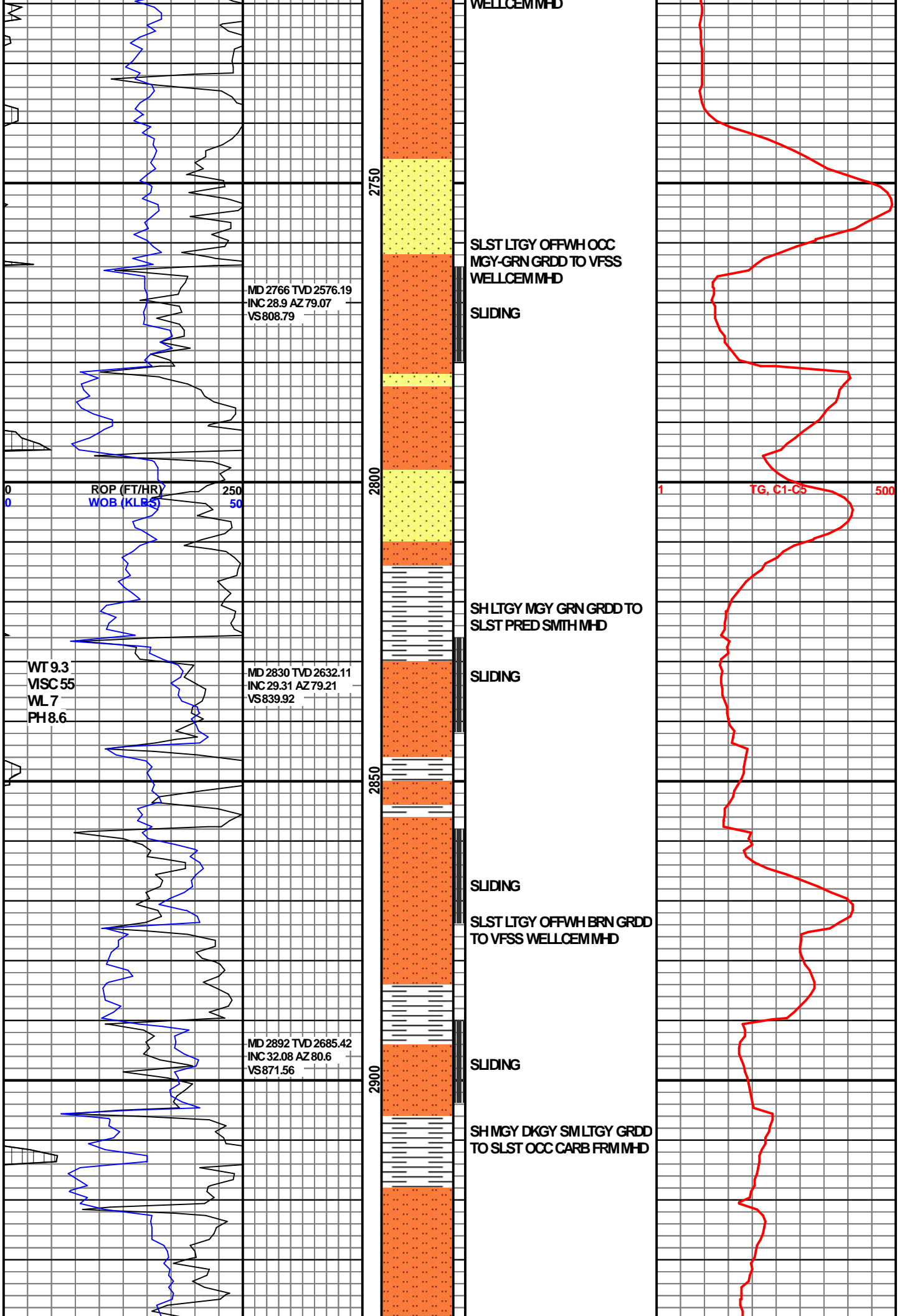
MD 2454 TVD 2304.78
INC 29.7 AZ 78.4
VS 654.92

ROP (FT/HR)
WOB (KLBS)

WT 9.1
VISC 45
WL 8
PH 9

1 TG, C1-C5 500





WELLCEM MHD

SLST LTGY OFFWH OCC
MGY-GRN GRDD TO VFSS
WELLCEM MHD

SLIDING

SH LTGY MGY GRN GRDD TO
SLST PRED SMTH MHD

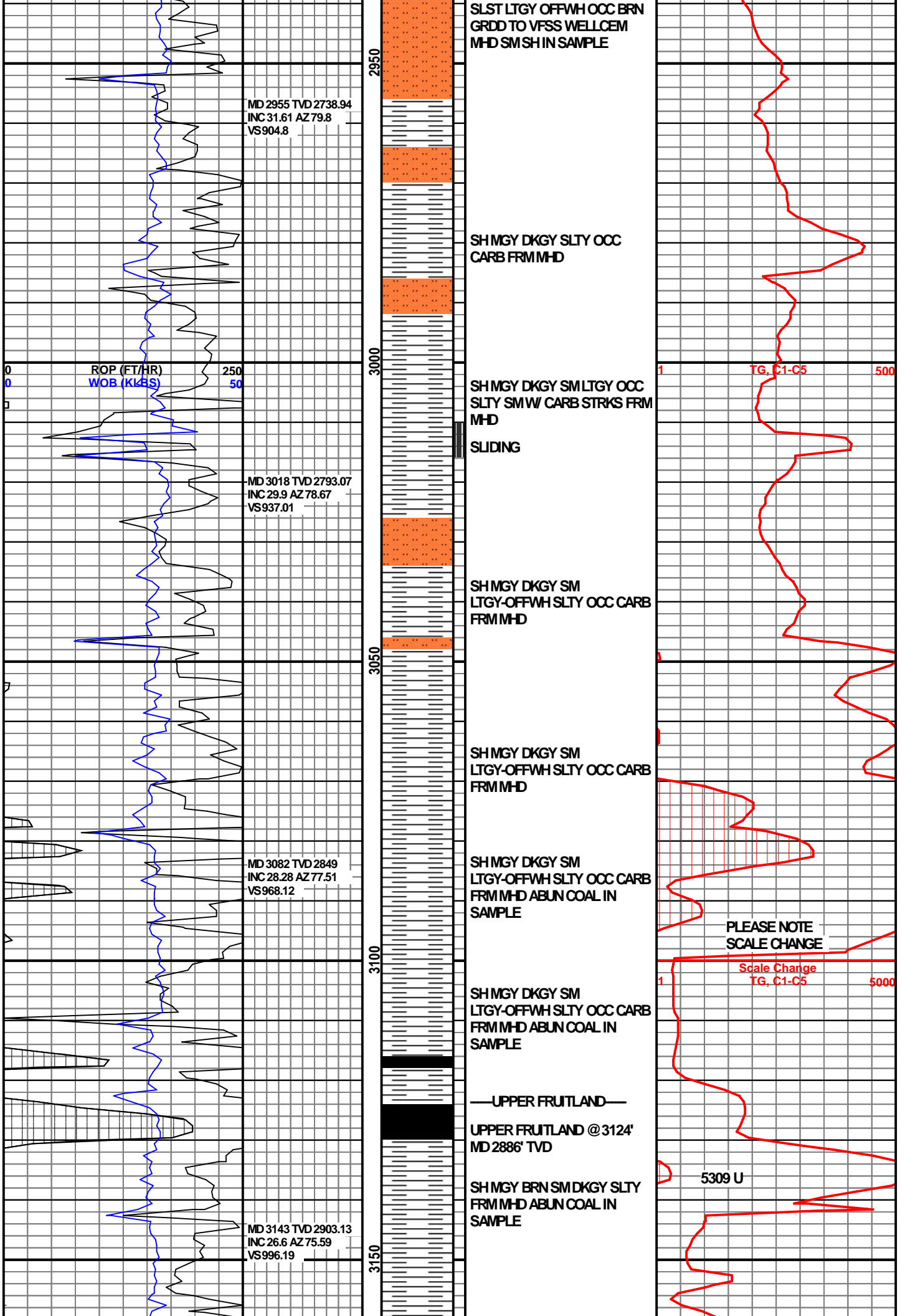
SLIDING

SLIDING

SLST LTGY OFFWH BRN GRDD
TO VFSS WELLCEM MHD

SLIDING

SH MGY DKGY SMLTGY GRDD
TO SLST OCC CARB FRM MHD



SH MGY BRN SM DKG SLTY
FRM MHD ABUN COAL IN
SAMPLE

—MAIN COAL—
MAIN COAL @3175' MD 2931'
TVD

COAL BLK BRI SHINY PRED
SMTH OCC GRNY FRM SL
GASSY

COAL BLK BRI SHINY PRED
SMTH OCC GRNY FRM SL
GASSY

BASE MAIN COAL @3224' MD
2976' TVD

SH MGY DKG BRN SM CARB
SM W STRKS OF COAL FRM
TR PYR

—INTERTONGUE SS—
INTERTONGUE SS @3246' MD
2996' TVD

SS CLR BRN SM OFFWH LTGY
VFG-FG OCC UNCONS SM W/
INTERGRAN POR MHD SM
PALE YELLOW FLUOR

SS CLR WH OFFWH LTGY VFG
SBRDD WELLCEM W/ WH
CLAY CEMENT S&P W/ BLK
CARB SPECKS MHD NFSOC

—PICTURED CLIFFS—
PICTURED CLIFFS @3328' MD
3071' TVD

SS CLR WH OFFWH LTGY VFG
SBRDD WELLCEM W/ WH
CLAY CEMENT S&P W/ BLK
CARB SPECKS MHD NFSOC

SS WH OFFWH LTGY MGY
VFG SBRDD WELLCEM W/ WH
CLAY CEMENT SM S&P W/ BLK
CARB SPECKS MHD NFSOC

WT 9.1+
VISC 44
WL 6
PH 9

ROP (FT/HR)
WOB (RLBS)

SET ROP LIMITER
TO 250 FT/HR

MD 3206 TVD 2959.98
INC 24.45 AZ 73.91
VS 1023.26

MD 3269 TVD 3017.57
INC 23.37 AZ 72.24
VS 1048.64

MD 3332 TVD 3075.43
INC 23.25 AZ 72.89
VS 1053

3200

3250

3300

3350

5791 U

TG, C1-C5

6894 U

6142 U

6302 U

6446 U

5000

