



CATAMOUNT ENERGY PARTNERS

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

Well Name: CARPENTER 32-6-3 #2 LATERAL 2 ST 2

Location:

Licence Number: 05067099140700

Spud Date: 3/24/15

Surface Coordinates: 2359' FSL 1805' FEL

Region: IGNACIO

Drilling Completed: 4/28/15

Bottom Hole Coordinates FROM SURFACE 2227.69 N 111.95 W

Ground Elevation (ft): 6372

K.B. Elevation (ft): 6388

Logged Interval (ft): 3178 To: 5127

Total Depth (ft): 5127

Formation: FRUITLAND COAL

Type of Drilling Fluid: BRINE WATER

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

OPERATOR

Company: CATAMOUNT ENERGY PARTNERS

Address: 1801 BROADWAY SUITE 1000
DENVER, COLORADO 80202

GEOLOGIST

Name: NOLAN REDMOND AND JOE NICOLETTE

Company: CATAMOUNT ENERGY PARTNERS


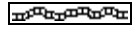
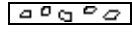
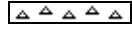
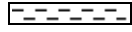
Address: 1801 BROADWAY SUITE 1000
DENVER CO 80202






Cores



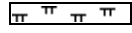

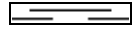
DSTs

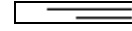
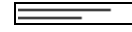



Comments

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst

 Coal
 Congl
 Dol
 Gyp
 Igne
















 Lmst
 Meta
 Mrlst
 Salt
 Shale














 Shcol
 Shgy
 Sltst
 Ss
 Till

 Coal
















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

OIL SHOW

 Even

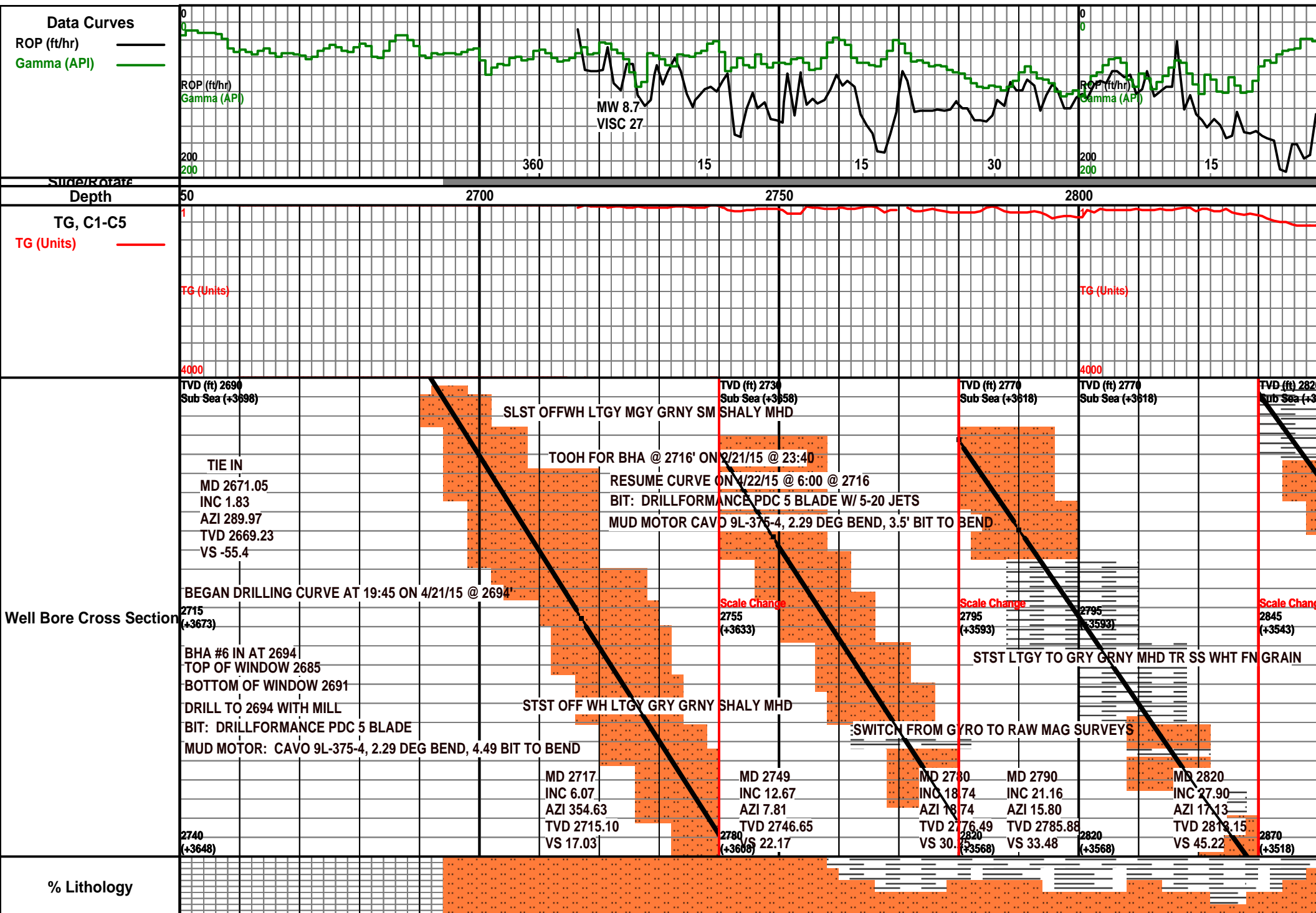
 Spotted
 Ques
 Dead

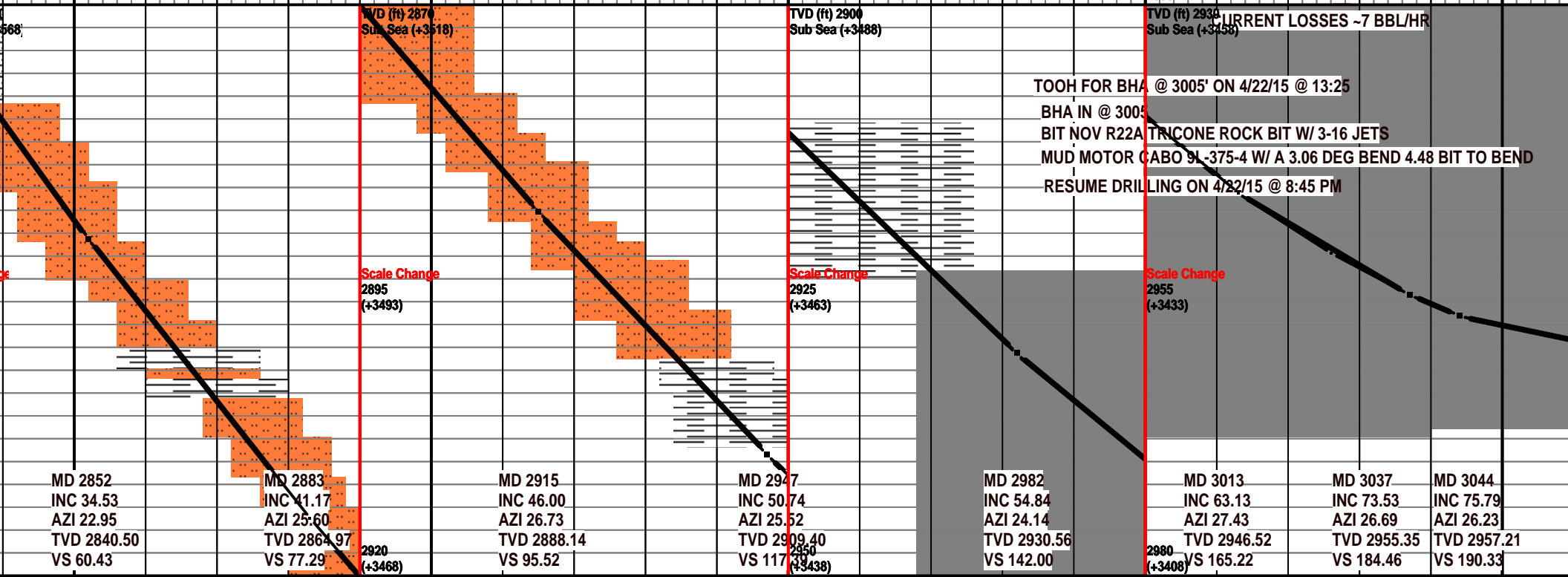
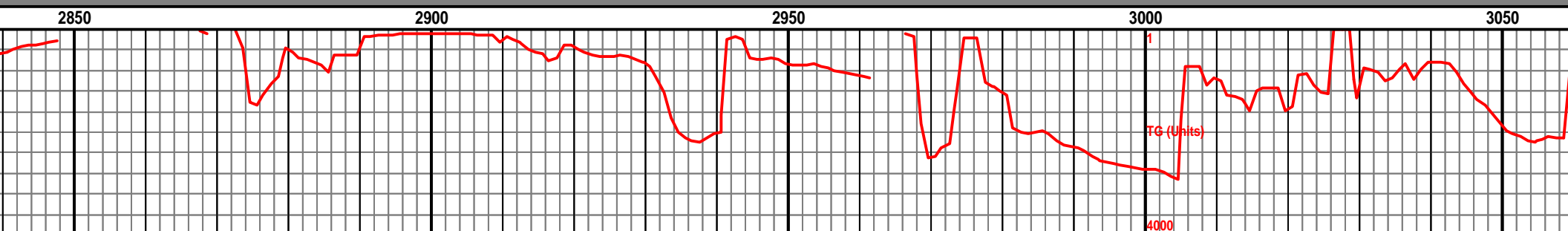
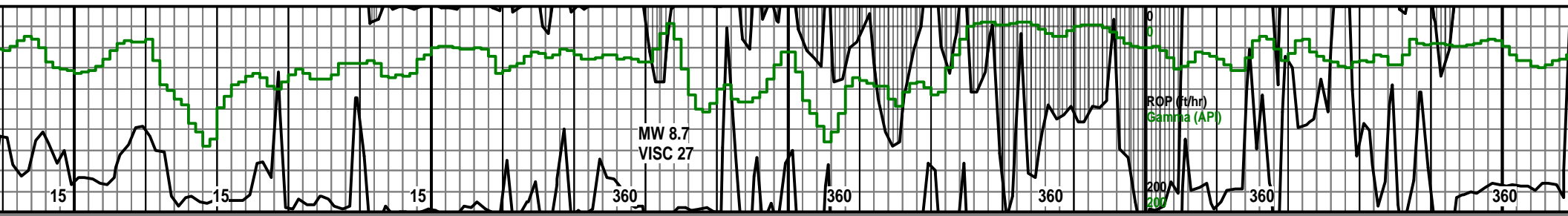
INTERVAL

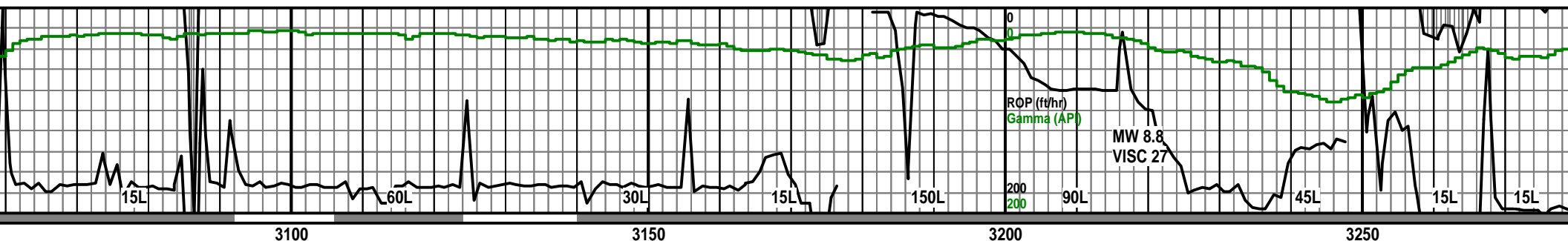
 Core
 Dst

EVENT

 Rft
 Sidewall







BHA IN @ 3084

TOOH FOR BHA @ 3084' ON 4/22/15 @ 10:30 PM

MUD MOTOR SDI TITAN W/ A 1.75 DEG BEND 2.73' BIT TO BEND

BIT: DRILLFORMANCE DF513 PDC 5 BLADE W/ 6-20 JETS

COAL BLK BRI SHINY SMTH BLKY GOOD CLEATING FRM

TVD (ft) 2930
Sub Sea (+3458)

BHA IN @ 3178

MUD MOTOR SDI TITAN W/ A 1.75 DEG BEND 2.75' BIT TO BEND

BIT: DRILLFORMANCE DF513 PDC 5 BLADE W/ 6-20 JETS

TIME DRILL 3178-3192

CONTROL SLIDE 3192-3216

DRILL AHEAD FROM 3216 AT 2:30 PM, 4-27-15

2955
(+3433)

MD 3200
INC 86.84
AZI 18.86
TVD 2962.87
VS 329.99

2980
(+3408)

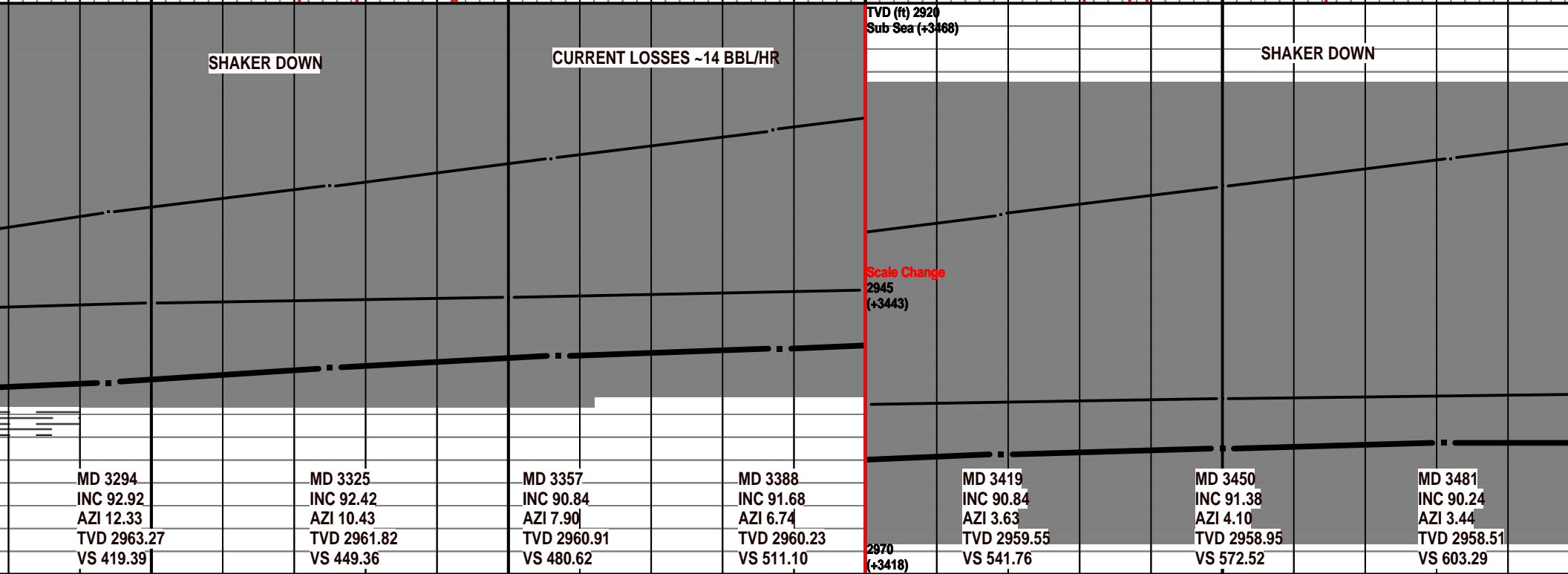
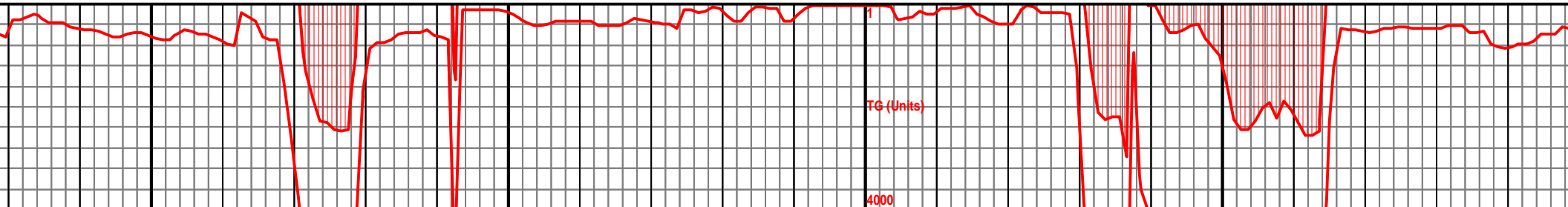
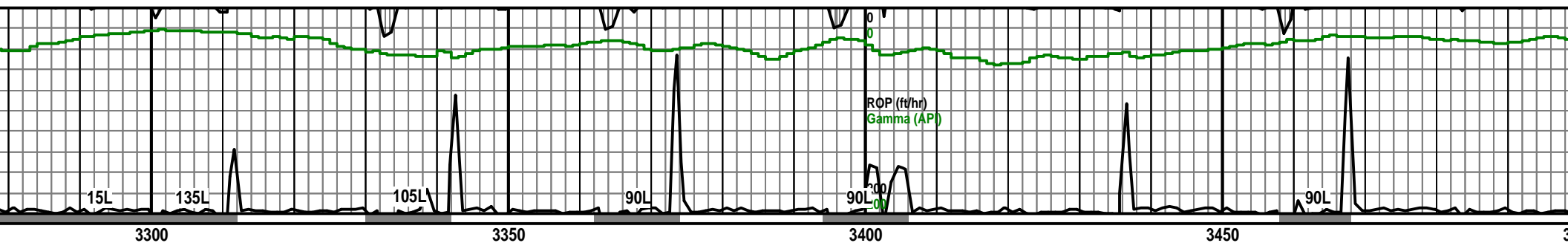
MD 3231
INC 87.38
AZI 15.09
TVD 2964.44
VS 359.06

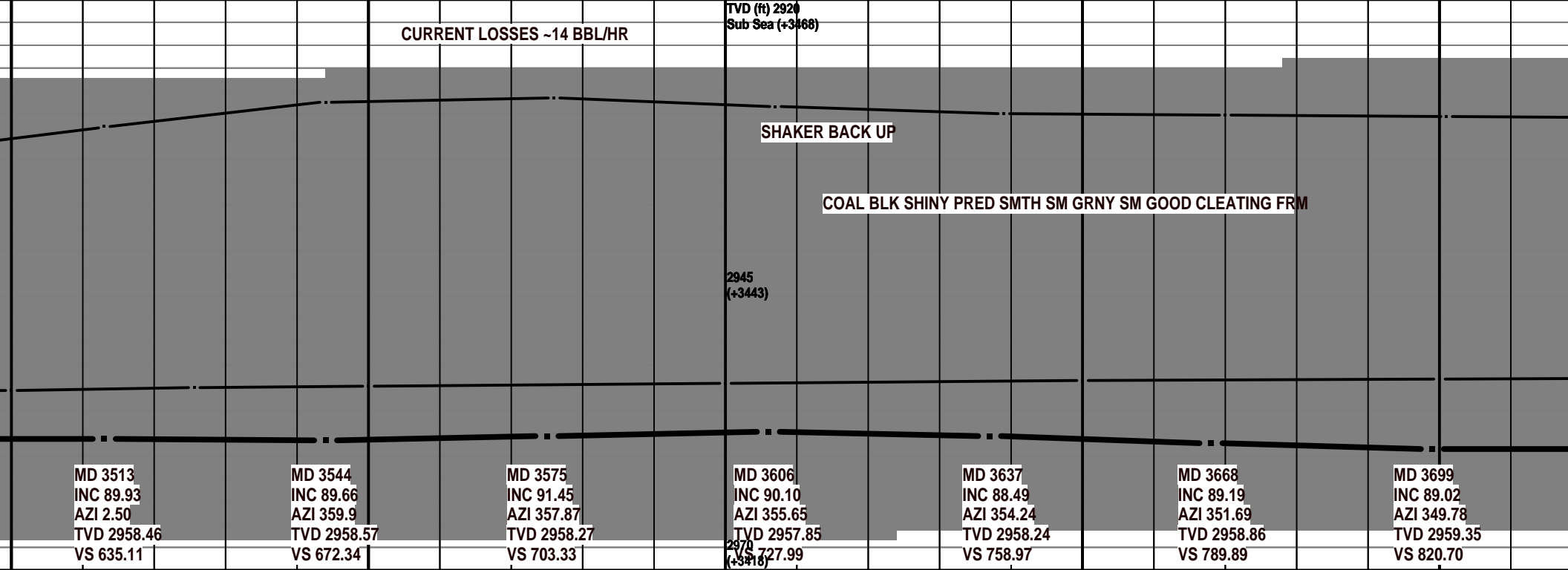
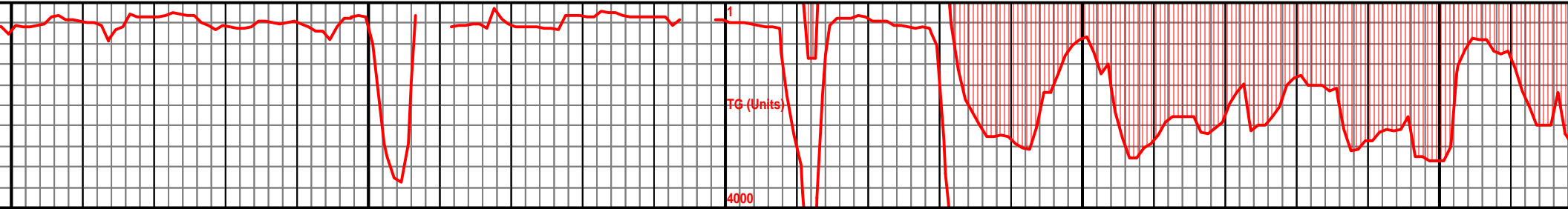
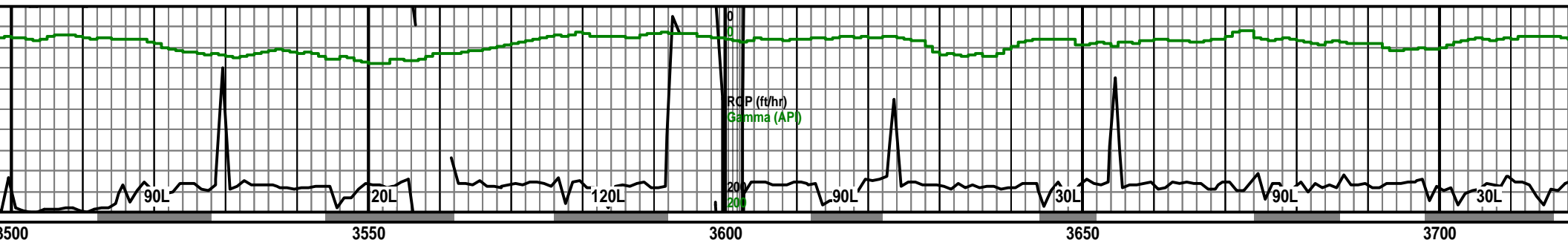
MD 3263
INC 92.02
AZI 13.24
TVD 2964.60
VS 389.60

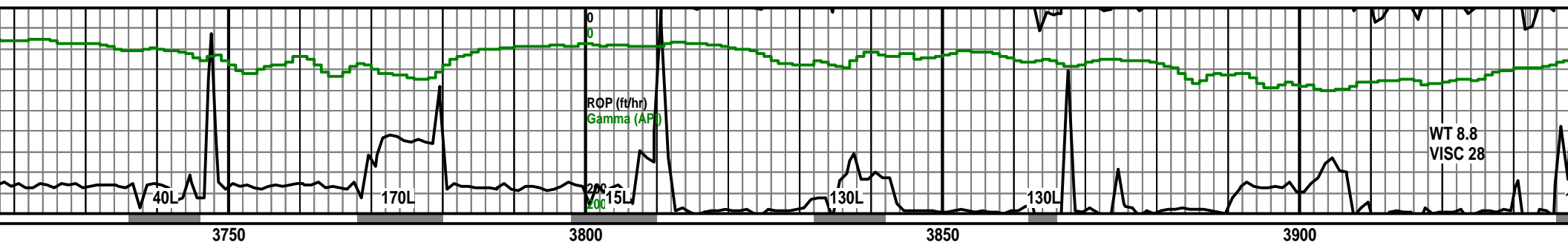
MD 3076
INC 88.76
AZI 26.08
TVD 2961.5
VS 219.93

MD 3107
INC 91.14
AZI 24.38
TVD 2961.53
VS 245.21

MD 3138
INC 90.07
AZI 21.43
TVD 2961.20
VS 273.06







TVD (ft) 2920
Sub Sea (+3468)

LOSING ~ 14 BBLS/HR

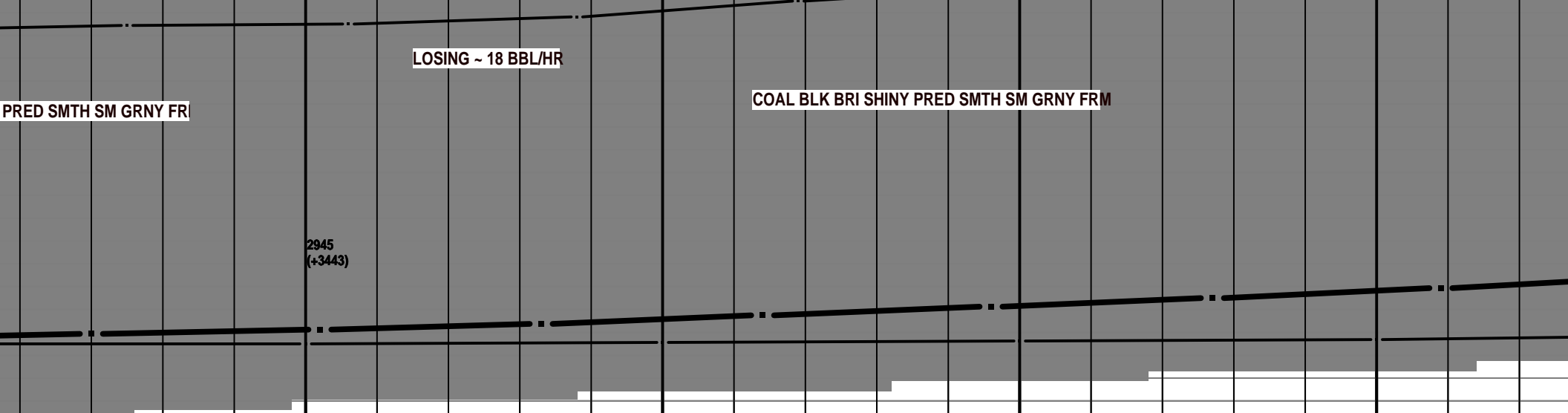
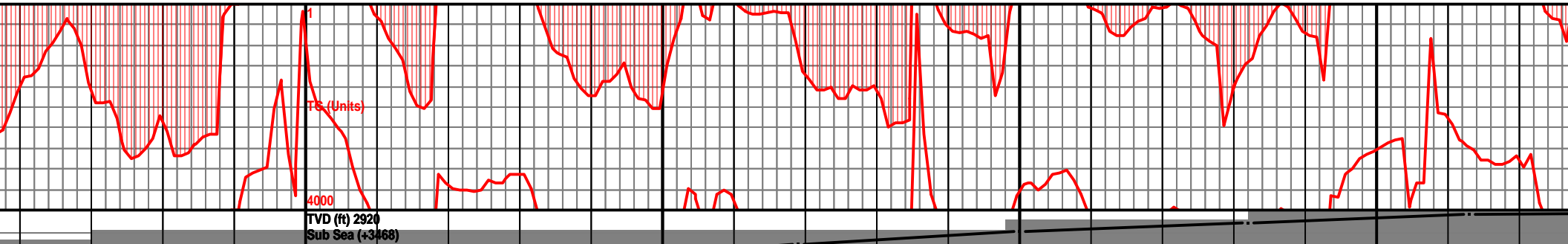
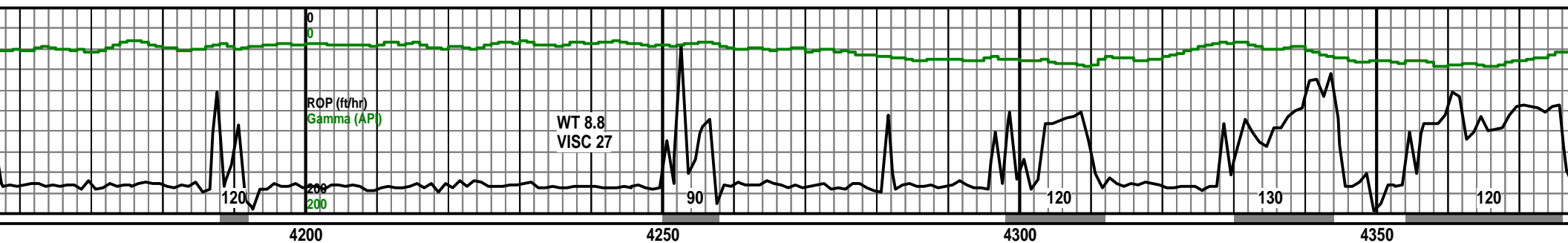
COAL BLK SHINY PRED SMTH SM GRNY SM GOOD CLEATING FRM

COAL BLK PRED SHINY SM DULL SM SMTH SM GRN

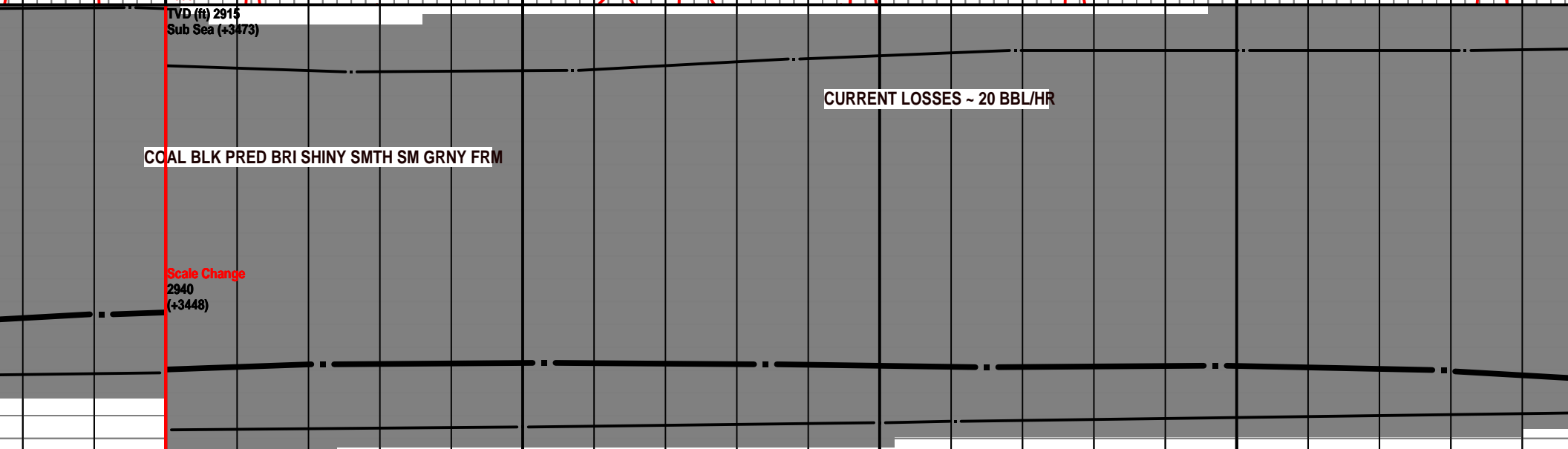
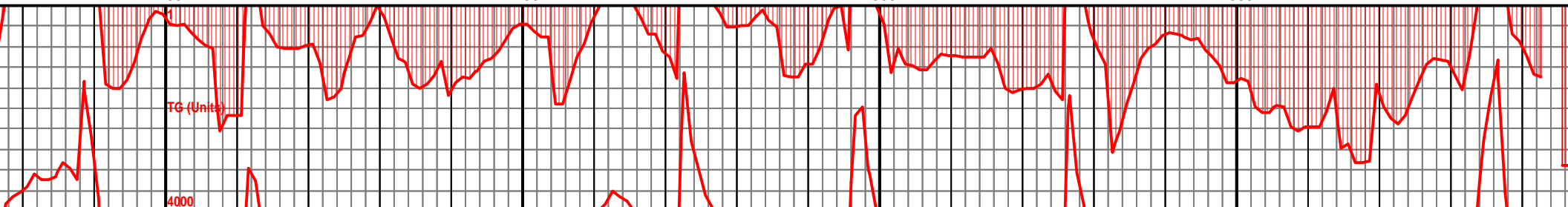
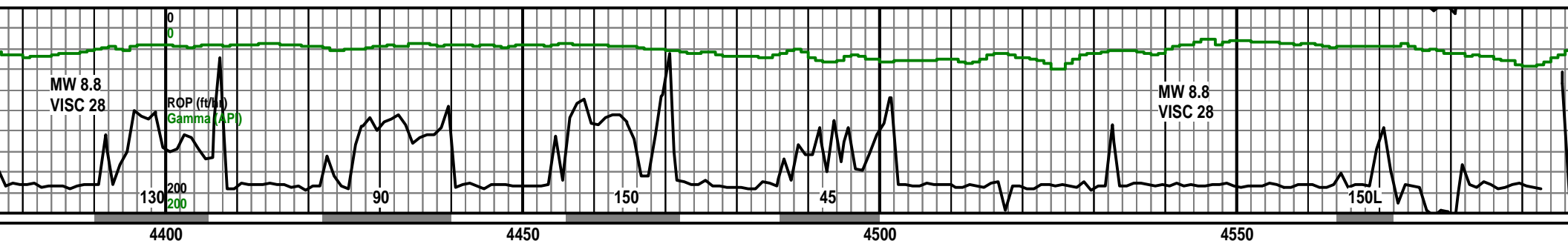
2945
(+3443)

MD 3731	MD 3763	MD 3794	MD 3826	MD 3857	MD 3888	MD 3919
INC 90.91	INC 91.48	INC 90.24	INC 93.06	INC 91.68	INC 91.88	INC 92.72
AZI 347.52	AZI 345.06	AZI 344.04	AZI 344.08	AZI 342.93	AZI 342.78	AZI 343.13
TVD 2959.36	TVD 2958.7	TVD 2958.23	TVD 2957.31	TVD 2956.03	TVD 2955.07	TVD 2953.82
VS 852.37	VS 888.94	VS 914.10	VS 945.29	VS 975.42	VS 1005.48	VS 1038.49

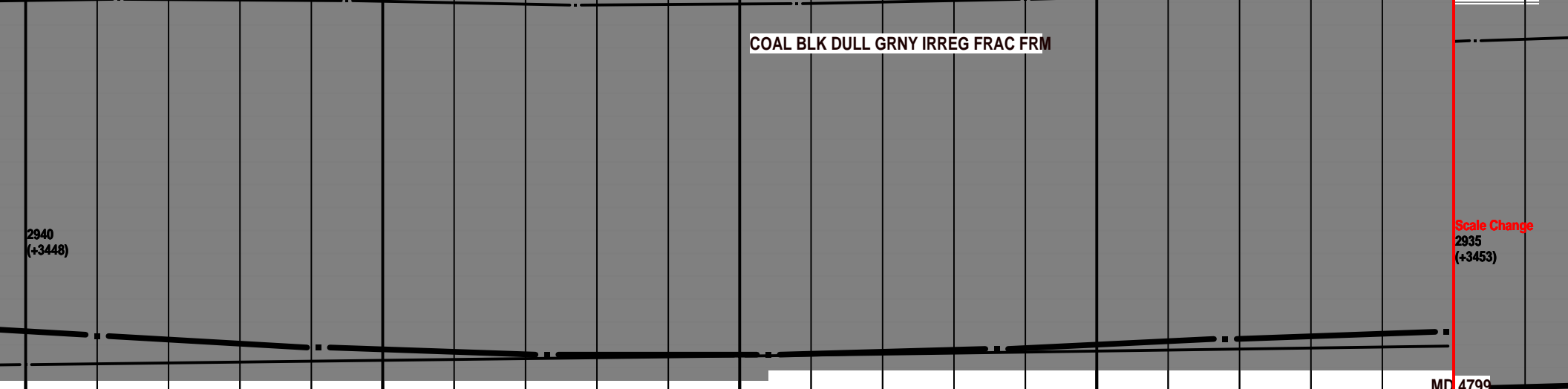
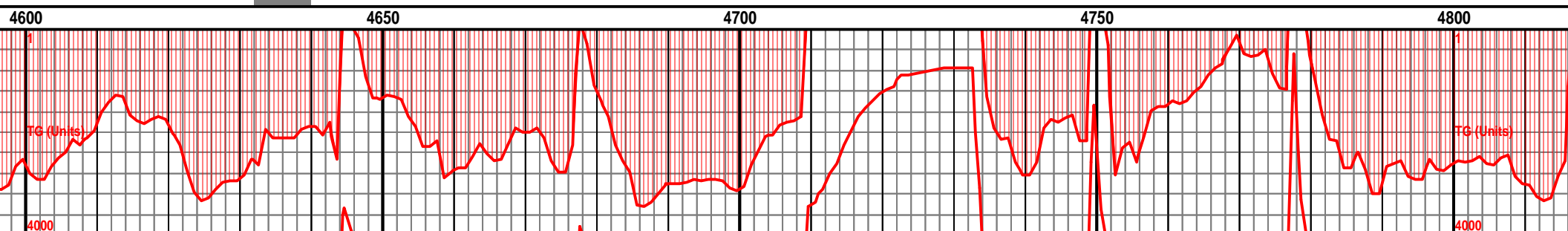
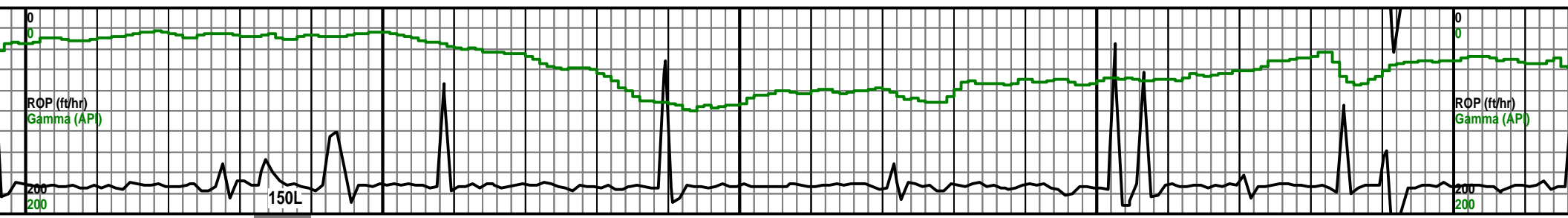
2970
(+3418)



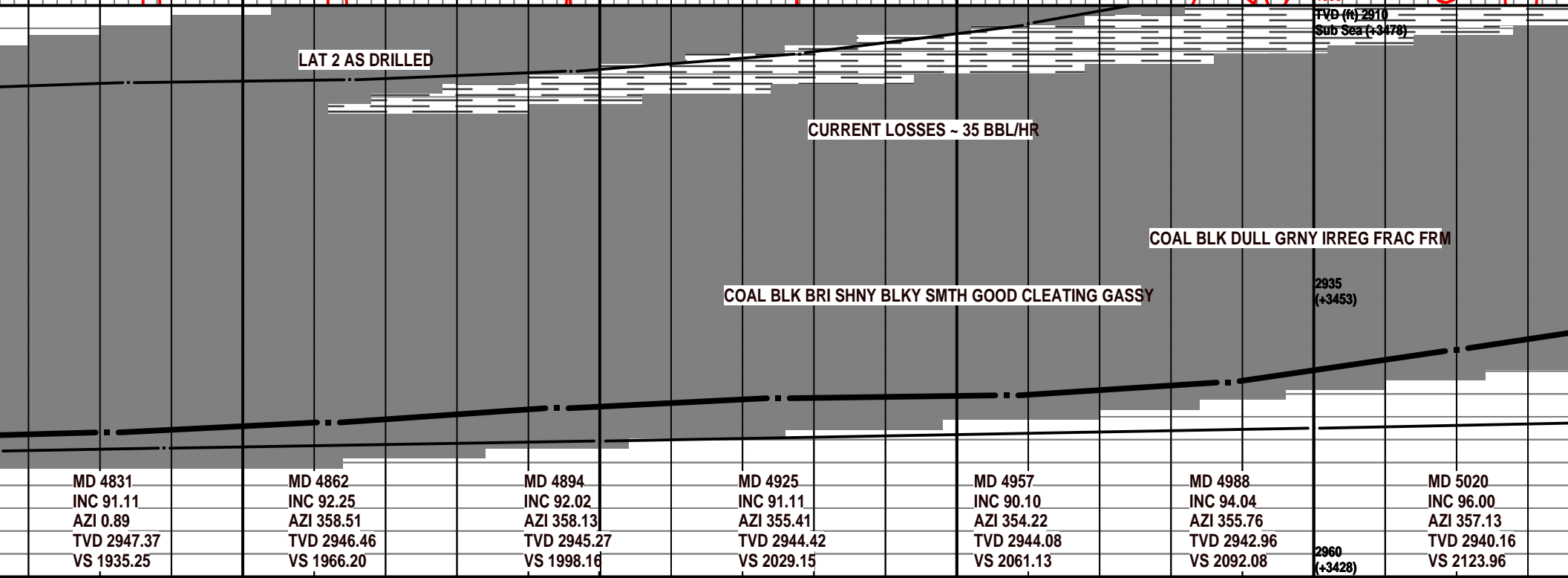
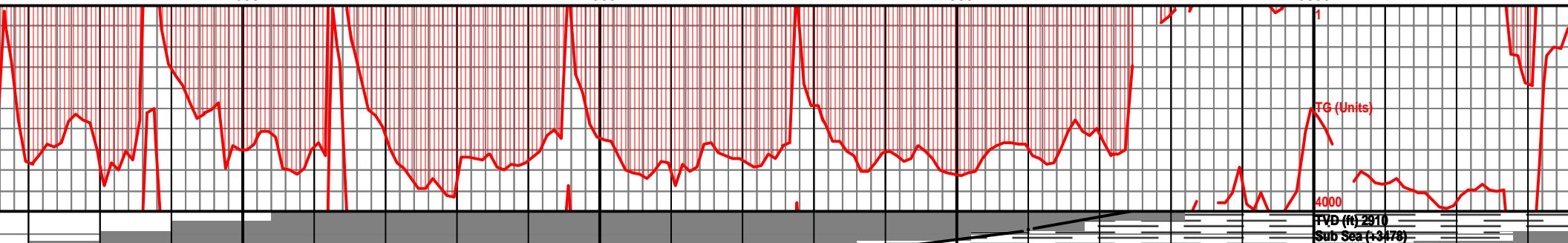
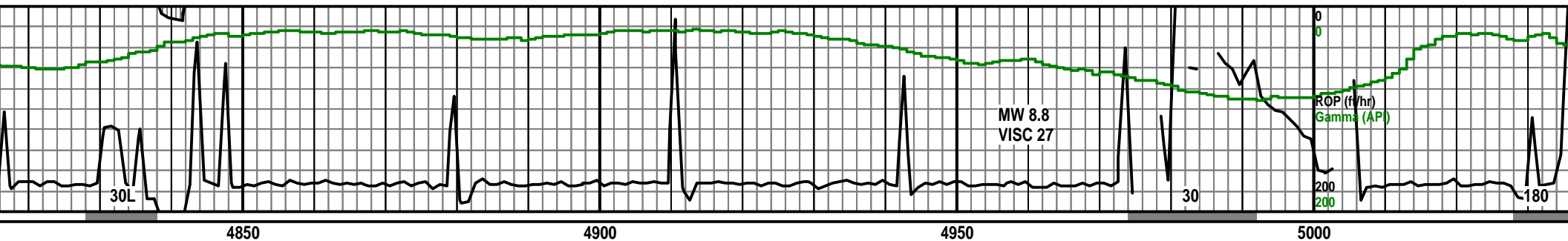
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INC 90.67	INC 90.61	INC 91.38	INC 91.38	INC 91.48	INC 91.24	INC 92.12
AZI 343.14	AZI 342.12	AZI 342.08	AZI 342.73	AZI 343.2	AZI 345.20	AZI 348.81
TVD 2952.15	TVD 2951.79	TVD 2951.26	TVD 2950.52	TVD 2949.76	TVD 2948.99	TVD 2948.08
VS 1280.91	VS 1311.18	VS 1341.89	VS 1371.90	VS 1400.81	VS 1433.18	VS 1464.7

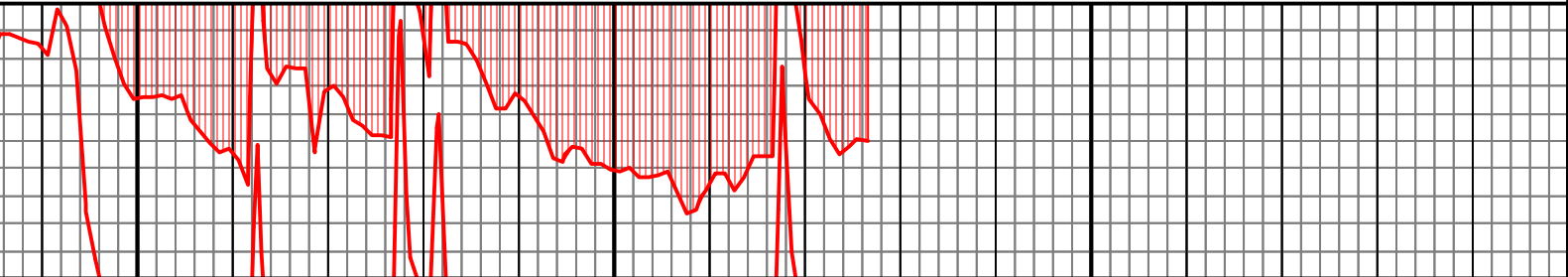
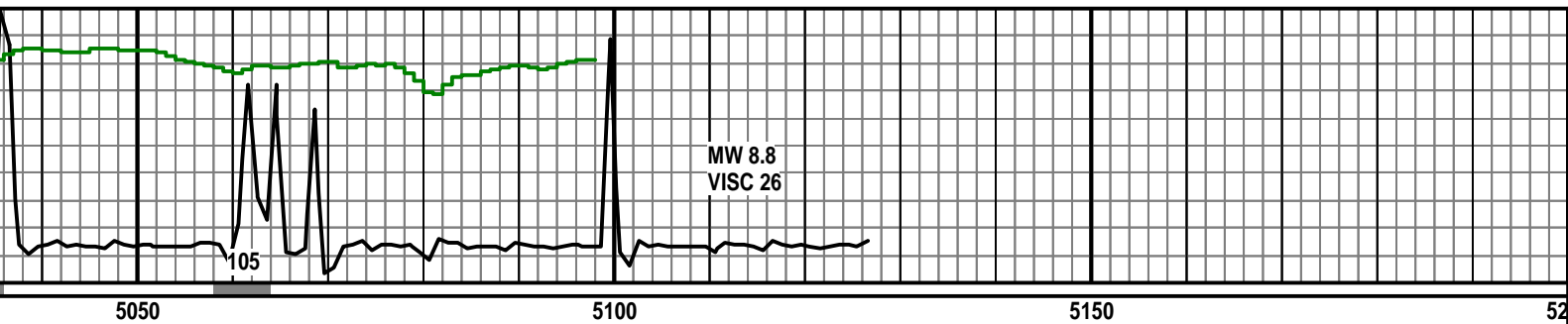


MD 4391	MD 4422	MD 4453	MD 4484	MD 4515	MD 4547	MD 4579
INC 91.35	INC 90.61	INC 90.23	INC 89.19	INC 89.80	INC 90.57	INC 88.15
AZI 352.31	AZI 355.18	AZI 357.37	AZI 0.74	AZI 2.36	AZI 2.70	AZI 0.89
TVD 2947.09	TVD 2946.56	TVD 2946.36	TVD 2946.49	TVD 2946.76	TVD 2946.66	TVD 2947.01
VS 1496.48	VS 1527.42	VS 1555.07	VS 1589.39	VS 1620.29	VS 1652.13	VS 1684.01



MD 4610 INC 87.45 AZI 0.62 TVD 2948.20 VS 1714.91 2965 (+3423)	MD 4641 INC 88.59 AZI 0.83 TVD 2949.28 VS 1745.82	MD 4673 INC 89.33 AZI 359.15 TVD 2949.86 VS 1777.77	MD 4704 INC 90.47 AZI 1.44 TVD 2949.91 VS 1808.71	MD 4736 INC 91.51 AZI 2.24 TVD 2949.36 VS 1840.59	MD 4768 INC 91.58 AZI 1.92 TVD 2948.50 VS 1871.44	MD 4799 INC 90.71 AZI 1.08 TVD 2947.88 VS 1903.34 2960 (+3428)
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COAL BLK BRI SHNY BLKY SMTH GOOD CLEATING GASSY

REACHED TD OF 5127 AT 12:04 PM ON 4/28/15

MD 5051
INC 94.64
AZI 357.47
TVD 2937.29
VS 2154.82

MD 5079
INC 95.49
AZI 357.40
TVD 2934.81
VS 2181.71

PROJECTION TO BIT
MD 5127
INC 95.49
AZI 357.40
TVD 2930.23
VS 2230.49