



eog resources

600 Seventeenth Street

Suite 1000N

Denver, CO 80202

(303) 572-9000

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

Well Name: Critter Creek 02-03H, Horizontal Log, Sidetrack 1

Location: Herford Ranch Prospect (Wildcat)

License Number: API# 05-123-31047

Region: DJ Basin

Spud Date: February 28, 2010

Drilling Completed: March 27, 2010

Surface Coordinates: SESE; 600' FSL & 600' FWL, Section 3, Township 11 North, Range 63 West, Weld

County, Colorado

Bottom Hole Coordinates SW NW, 1400' FNL & 600' FWL, Section 3, Township 11 North, Range 63 West, Weld

County, Colorado

Ground Elevation (ft): 5272'

K.B. Elevation (ft): 5293'

Logged Interval (ft): 1475'

Total Depth (ft): 11845'

Formation: Niobrara Formation at TD

Type of Drilling Fluid: KCL Polymer

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: EOG Resources, Inc.


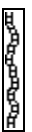

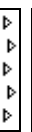


Address: 600 17th Street, Suite 1000


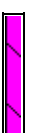




Denver, Colorado 80202

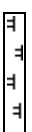





Geologists






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 Husk Inc.
 8229 E. Briarwood Avenue
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Robert J. Groth
 G & H Production Co, LLC
 518 17th Street, Suite 1060
 Denver, Colorado 80202

 Anhy
 Bent
 Brecc
 Cht
 Clyst
 Coal





















 Congl
 Dol
 Gyp
 Igne
 Lmst
 Meta











 Mrst
 Salt
 Shale
 Shcol
 Shgy
 Stkst














 Ss
 Till
 Stst2
 Carb sh
 Arg_ss







ROCK TYPES




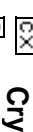







ACCESSORIES






MINERAL
 Anhy
 Arggrn
 Arg
 Bent
 Bit
 Breccfrag
 Calc
 Carb
 Chtdk
 Chttl
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau
 Gyp
 Hvymn
 Kaol
 Marl
 Tr

 Minxl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt
 Sill
 Sulphur
 Tuff

 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite
 Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom

 Dol
 Gyp
 Ls
 Mrst
 Stst2
 Ssstrg

TEXTURE
 Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

STRINGER
 Stst2
 Anhy
 Arg
 Bent
 Coal


OTHER SYMBOLS

 Angular

 INTERVAL

 Core

 Dst

 OIL SHOW

 Even


 Spotted

 Ques

 Dead


 EVENT

 Cn_hzl

 Rft

 Sidewall

 SORTING


 Well


 Moderate

 Poor


 ROUNDING

 Rounded


 Subrind

 Subang

 POROSITY

 Earthy

 Fenest

 Fracture


 Inter

 Moldic

 Organic

 Pinpoint

 Vuggy

 INTERVAL

 Core

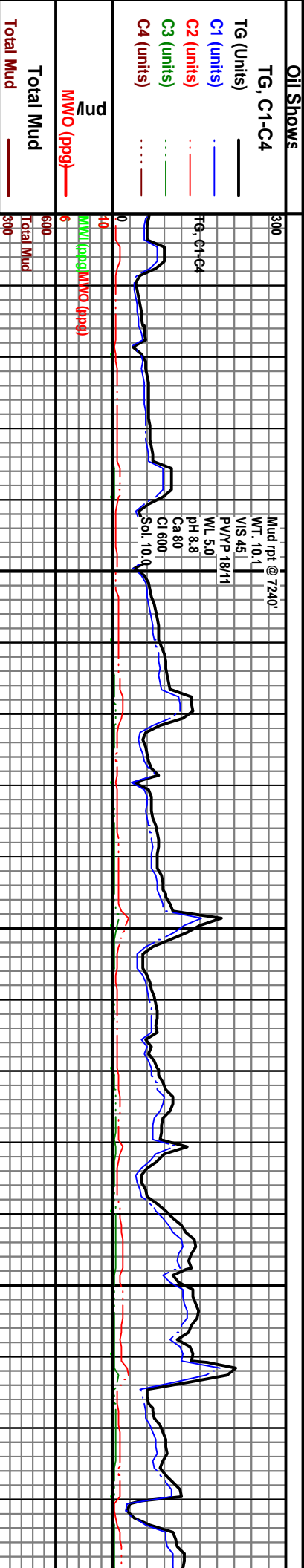
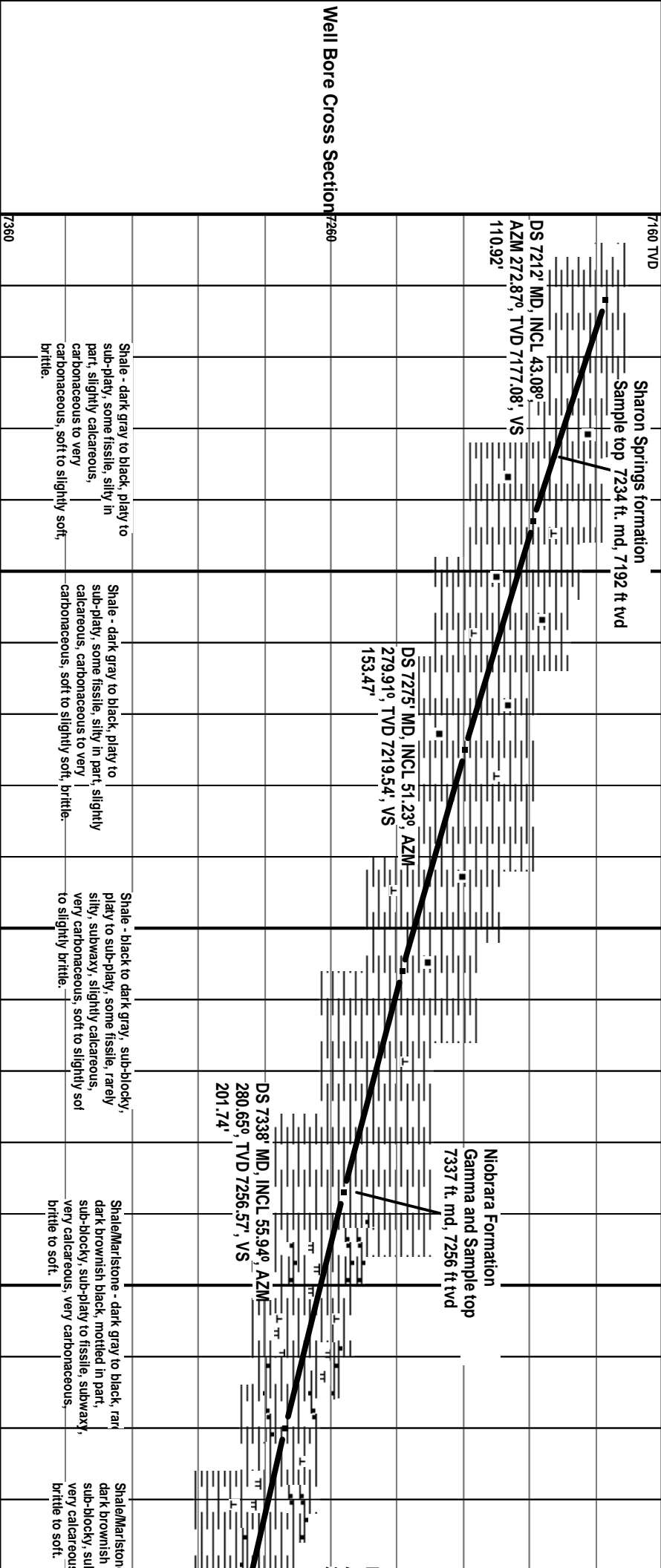
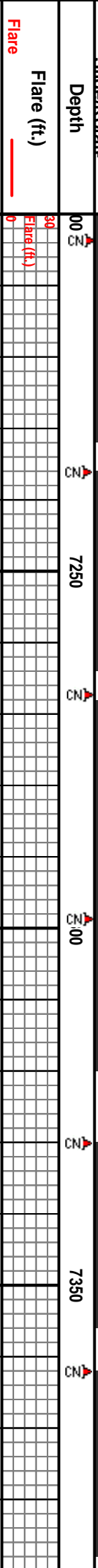
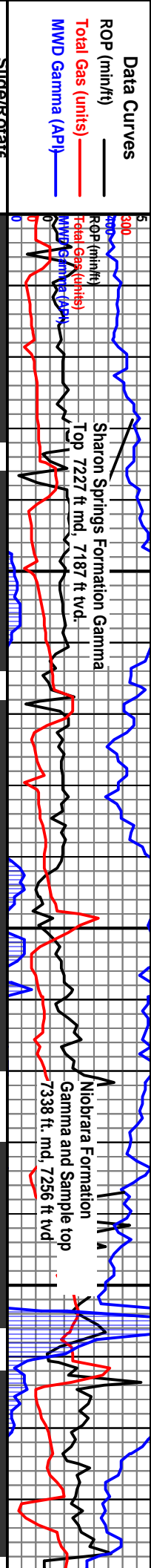
 Dst

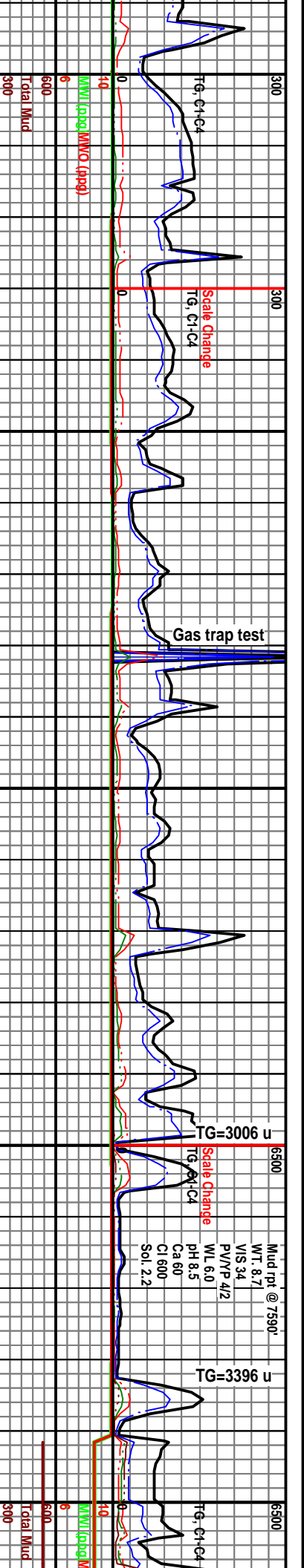
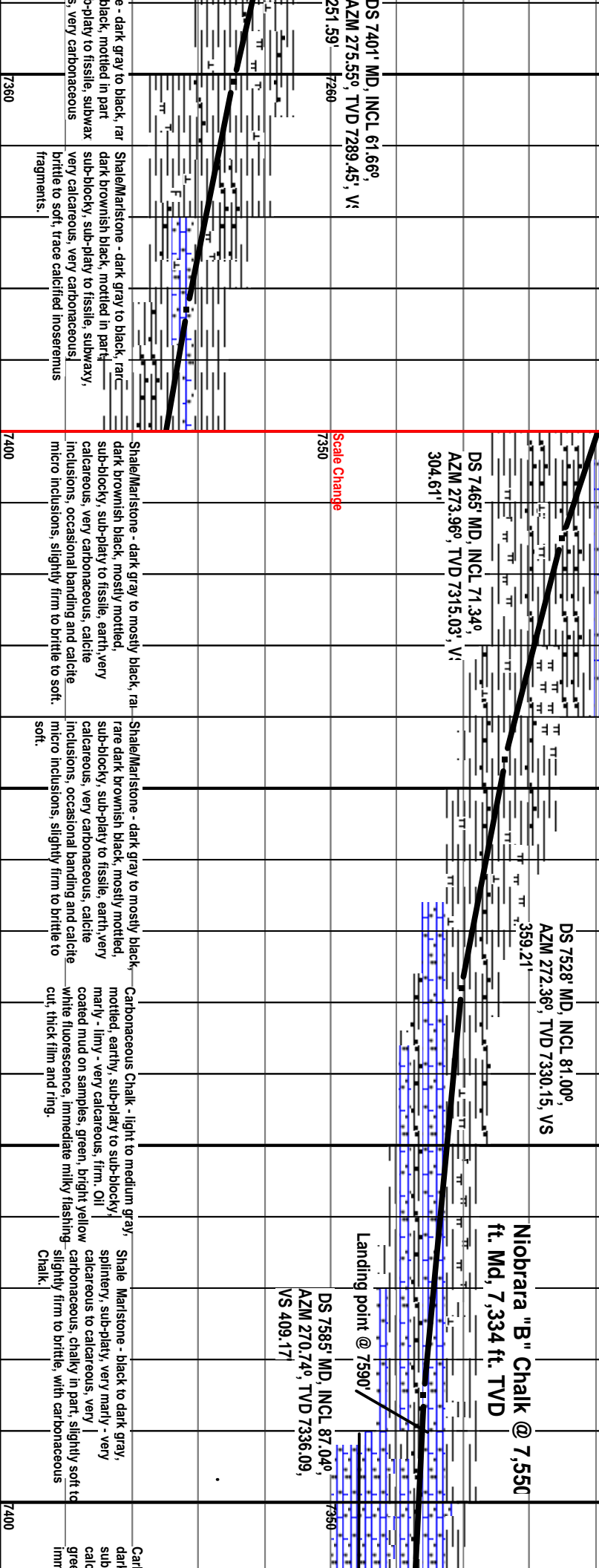
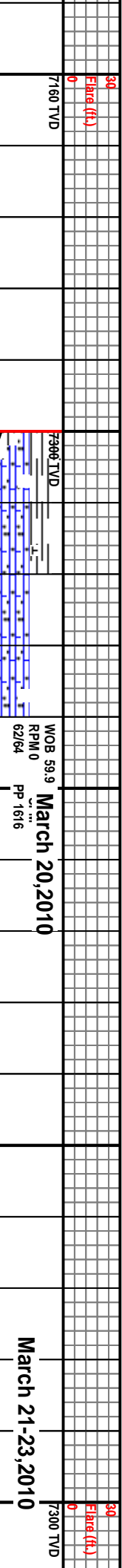
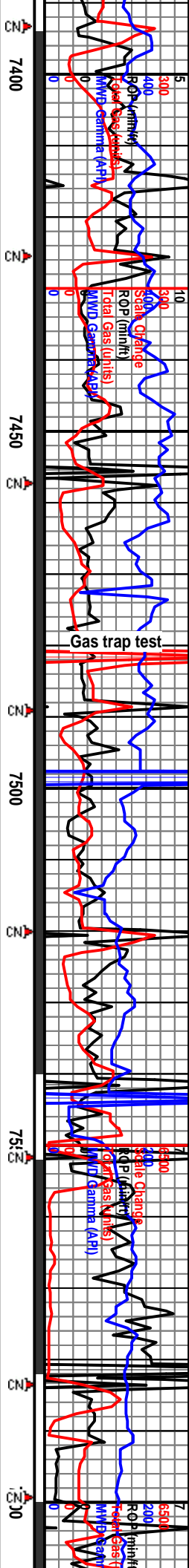
 EVENT

 Cn_hzl

 Rft

 Sidewall





March 21-23, 2010

Niobrara "B" Chalk @ 7,550 ft. Md., 7,334 ft. TVD

Landing point @ 7590'

DS 7585' MD, INCL 87.04°, AZM 270.74°, TVD 7336.09, VS 409.17

March 20, 2010

DS 7528' MD, INCL 81.00°, AZM 272.36°, TVD 7330.15, VS 359.21'

DS 7465' MD, INCL 71.34°, AZM 273.96°, TVD 7315.03', VI 304.61'

Scale Change

Shale/Marlstone - dark gray to black, rare dark brownish black, mottled in part, sub-blocky, sub-platey to fissile, subwaxy, very calcareous, very carbonaceous, brittle to soft, trace calcified inosperimus fragments.

Shale/Marlstone - dark gray to mostly black, rare dark brownish black, mostly mottled, sub-blocky, sub-platey to fissile, earthy, very calcareous, very carbonaceous, calcite inclusions, occasional banding and calcite micro inclusions, slightly firm to brittle to soft.

Shale/Marlstone - dark gray to mostly black, rare dark brownish black, mostly mottled, sub-blocky, sub-platey to fissile, earthy, very calcareous, very carbonaceous, calcite inclusions, occasional banding and calcite micro inclusions, slightly firm to brittle to soft.

Carbonaceous Chalk - light to medium gray, mottled, earthy, sub-platey to sub-blocky, marly - limy - very calcareous, firm. Oil coated mud on samples, green, bright yellow white fluorescence, immediate milky flashing, slightly firm to brittle, with carbonaceous Chalk.

Shale Marlstone - black to dark gray, splintery, sub-platey, very marly - very calcareous to calcareous, very carbonaceous, chalky in part, slightly soft to slightly firm to brittle, with carbonaceous

Gas trap test

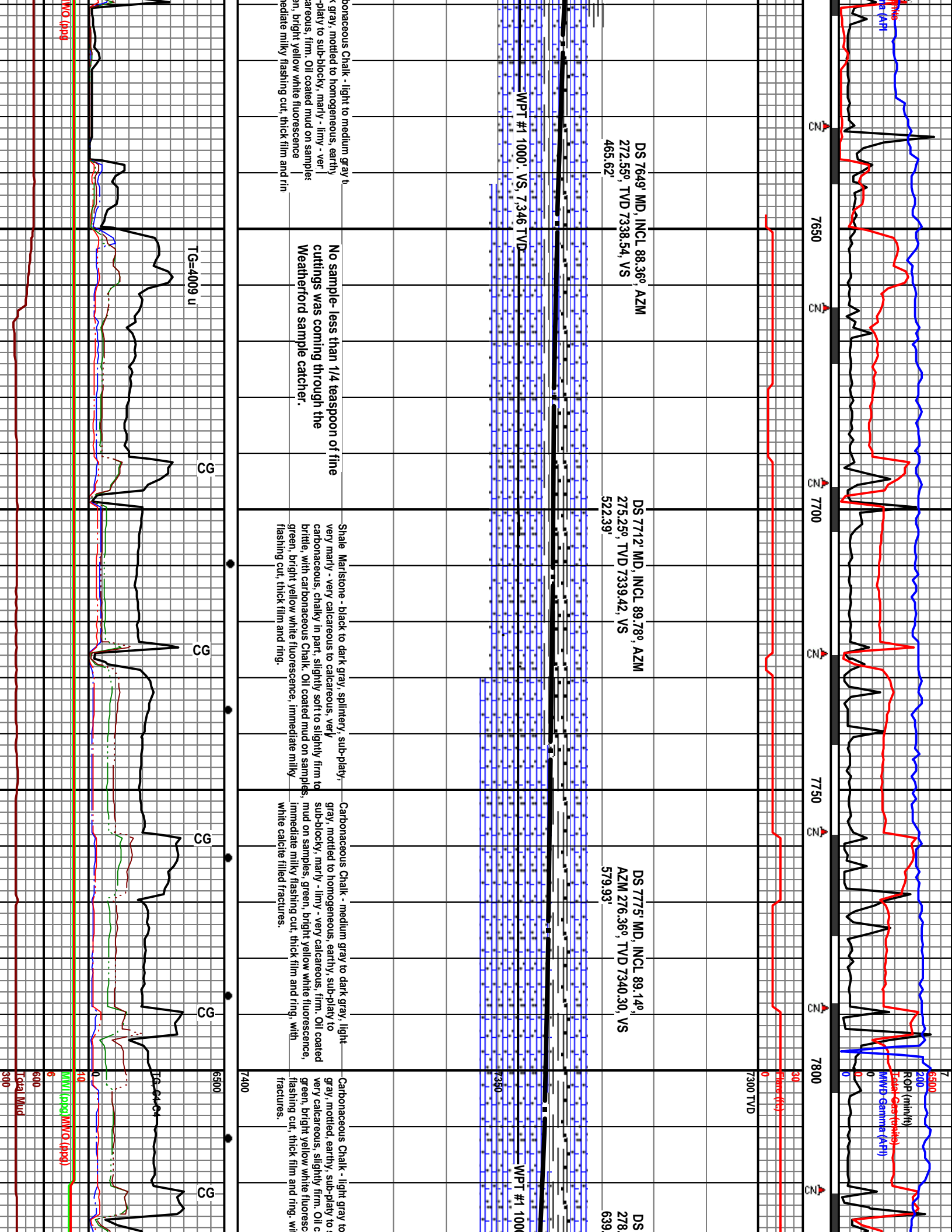
Scale Change

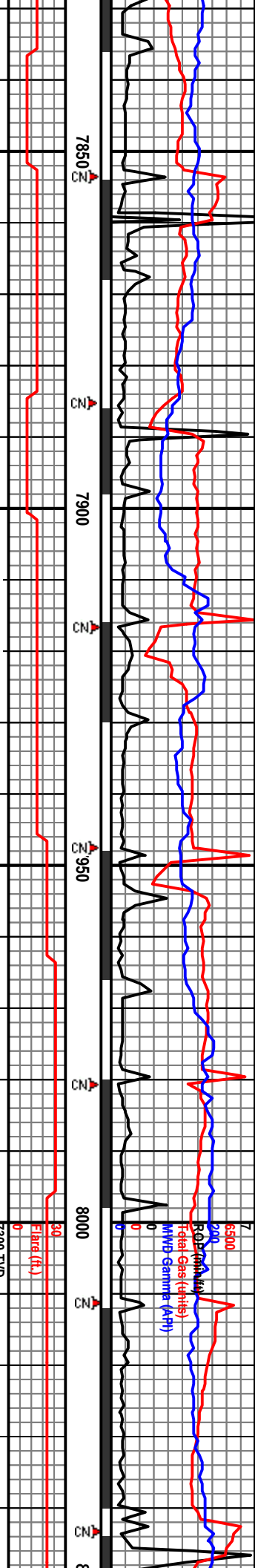
Scale Change

TG-C1-C4
MWV (ppm) MWV (ppm)
6
800
Tidal Mud
300

Mud rpt @ 7590'
WT 8.7
VIS 34
P/VYP 4/2
WL 6.0
pH 8.5
Ca 80
Cl 600
Sol 2.2

TG-C1-C4
MWV (ppm) MWV (ppm)
6
800
Tidal Mud
300





7839' MD, INCL 87.16°, AZI 69°, TVD 7342.28, VS 23'

DS 7902' MD, INCL 86.27°, AZI 280.79°, TVD 7345.92, VS 698.24'

DS 7965' MD, INCL 87.03°, AZI 283.71°, TVD 7349.81', VS 756.27'

DS 8028' MD, INCL 90.03°, AZI 287.06°, TVD 7351.52', VS 819.24'

WPT #1 1000' VS, 7.346 TVD

WPT #

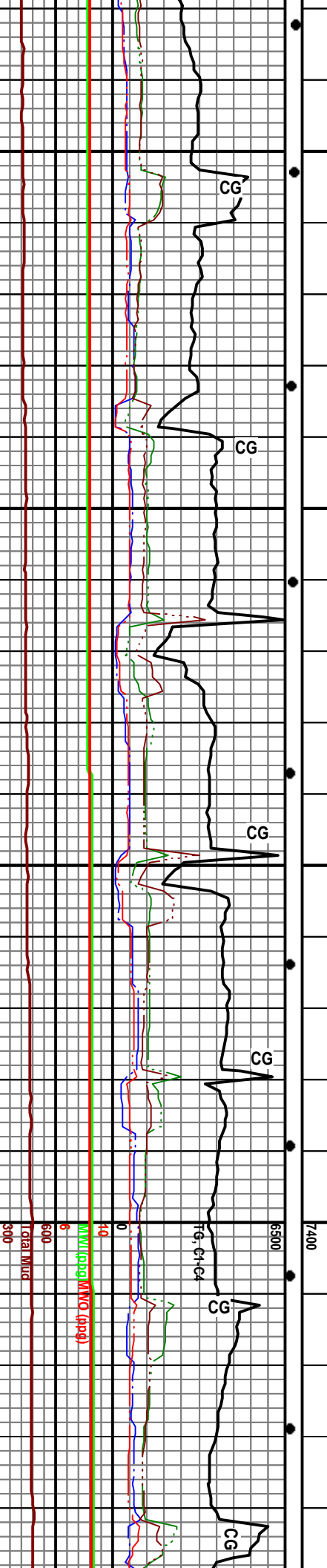
medium gray, some da
sub-blocky, marly - limy
coated mud on sample;
immediate milk
white calcite fill

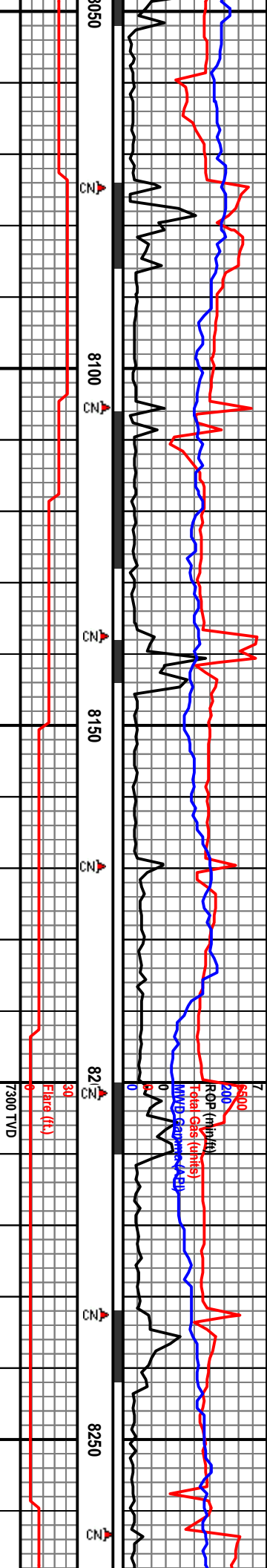
Carbonaceous Chalk - light gray to medium gray, some
dark gray, mottled, earthy, sub-platy to sub-blocky, marly
- limy - very calcareous, slightly firm to slightly soft. Oil
coated mud on samples, green, bright yellow white
fluorescence, immediate milky flashing cut, thick film and
ring.

Carbonaceous Chalk - light gray to medium gray, some dark
gray, mottled, earthy, sub-platy to sub-blocky, marly
- limy - very calcareous, slightly firm to soft. Oil coated mud on
samples, green, bright yellow white fluorescence, immediat
milky flashing cut, thick film and ring, with white calcite filled
fractures.

Carbonaceous Chalk - light gray to medium gray, some
dark gray, mottled, earthy, sub-platy to sub-blocky, marly
- limy - very calcareous, slightly firm to soft. Oil coated mud
on samples, green, bright yellow white fluorescence, immediat
milky flashing cut, thick film and ring, with
white calcite filled fractures.

Carbonaceous Chalk - light gray to medium gray, some
dark gray, mottled, earthy, sub-platy to sub-blocky, marly
- limy - very calcareous, slightly firm to soft. Oil coated
mud on samples, green, bright yellow white
fluorescence, immediate milky flashing cut, thick film
and ring.





DS 8091' MD, INCL 90.46°, AZM
289.889', TVD 7351.02', VS
881.08'

DS 8154' MD, INCL 91.36°, AZM
290.75', TVD 7350.06', VS
943.20'

DS 8217' MD, INCL 91.11°, AZM
291.15', TVD 7348.37', VS
1005.41'

1000' VS, 7.346 TVD

WPT #2 1500' from 8,176' to 8,670'

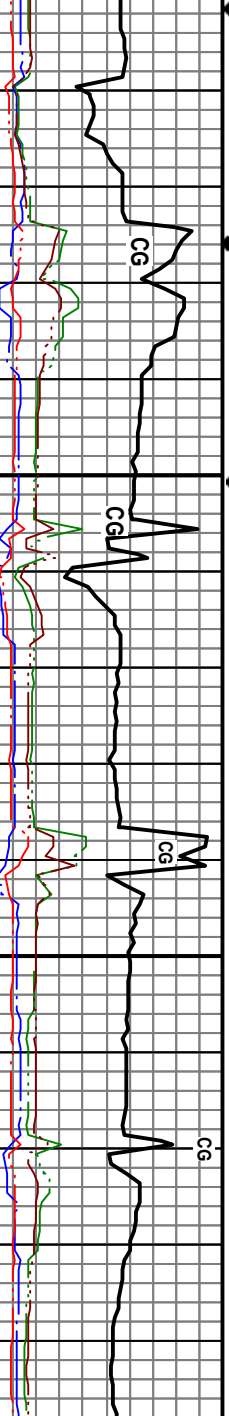
Carbonaceous Chalk - light gray to medium gray, some dark gray, mottled, earthy, sub-play to sub-blocky, marly - limy - very calcareous, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky flashing cut, thick film and ring, with white calcite filled fractures.

Carbonaceous Chalk - light gray to medium gray, some dark gray, mottled, earthy, sub-play to sub-blocky, marly - limy - very calcareous, slightly firm to soft. Oil coated mud on samples, green, bright yellow white fluorescence, immediate milky flashing cut, thick film and ring, with white calcite filled fractures.

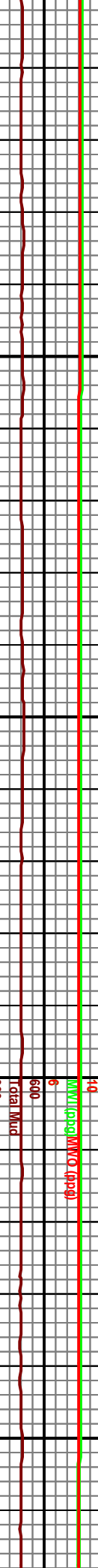
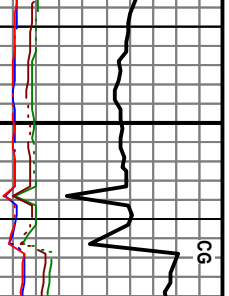
Carbonaceous Chalk - medium gray to light gray, some dark gray, mottled, earthy, sub-play to sub-blocky, marly - limy - very calcareous, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky flashing cut, thick film and ring.

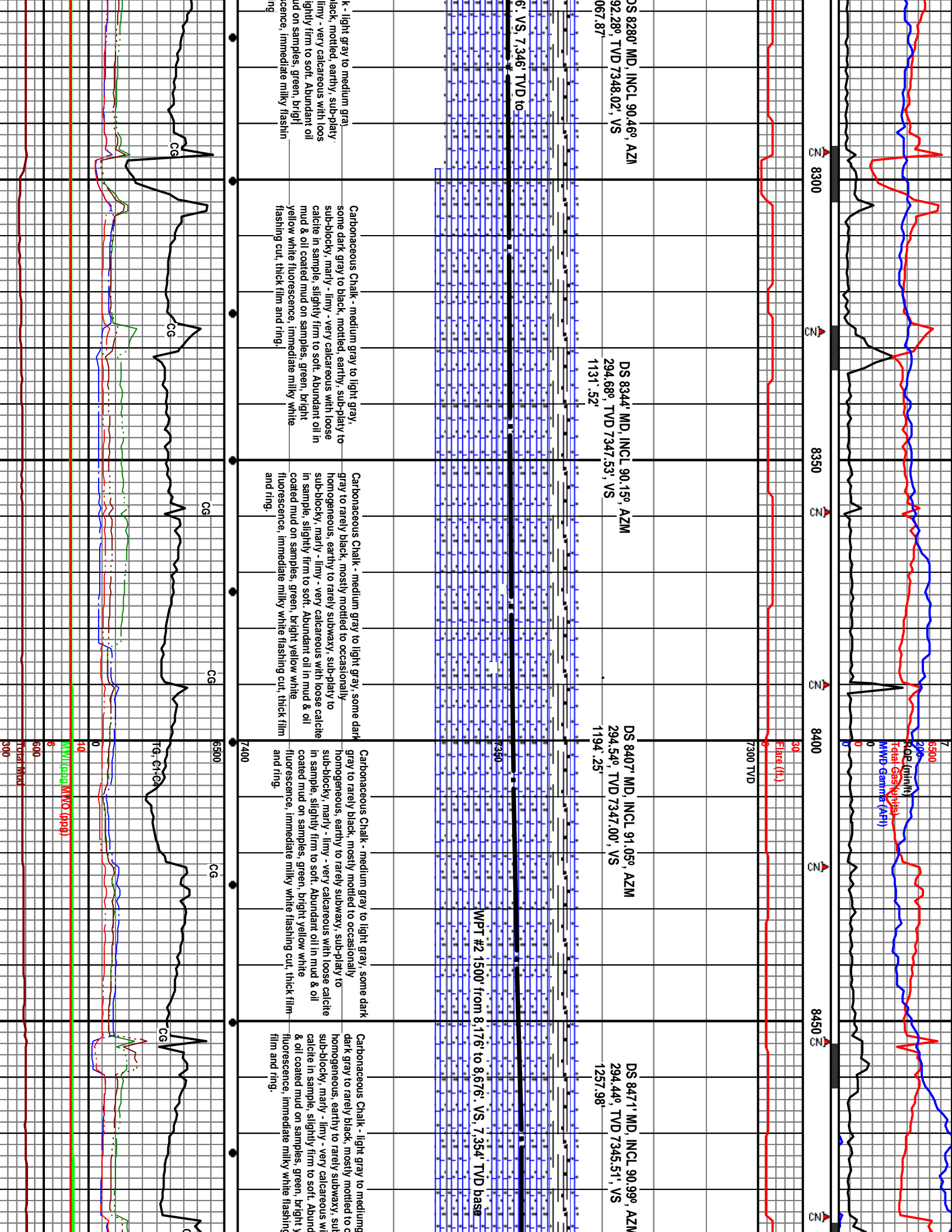
Carbonaceous Chalk - medium gray to light gray, some dark gray to black, mottled, earthy, sub-play to sub-blocky, marly - limy - very calcareous with loose calcite in sample, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky flashing cut, thick film and ring

Carbonaceous Chalk - some dark gray to black, sub-blocky, marly - limy - very calcareous, calcite in sample, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky flashing cut, thick film and ring



Mud rpt @ 8230' CG
WT 8.5
VIS 291
P/V/P 2/2
WL 6.0
pH 8.5
Ca 800
Cl 600
Sol 5.0
Oil 2.0





8500 N 8550 N 8600 N 8650 N 8700 N

WOB 8.8 RPM
39 SPM 0/118
PP 2528

DS 8533 MD, INCL 89.35°, AZI 294.48°, TVD 7345.79', VS 1319.73'

DS 8596 MD, INCL 90.49°, AZM 293.85° TVD 7346.00', VS 1382.41'

DS 8659' MD, INCL 88.12°, AZM 292.36°, TVD 7346.88', VS 1444.96'

Carbonaceous Chalk - medium gray to light gray, some dark gray to rarely black, mostly mottled to occasionally homogeneous, earthy to rarely subwaxy, sub-platy to sub-blocky, marly - limy - very calcareous with loose calcite in sample, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Carbonaceous Chalk - medium gray to light gray, some dark gray to rarely black, mostly mottled to occasionally homogeneous, earthy to rarely subwaxy, sub-platy to sub-blocky, marly - limy - very calcareous with loose calcite in sample, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Carbonaceous Chalk - medium gray to light gray, some dark gray to rarely black, mostly mottled to occasionally homogeneous, earthy to rarely subwaxy, sub-platy to sub-blocky, marly - limy - very calcareous with loose calcite in sample, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Carbonaceous Chalk - light gray to medium gray, some dark gray to occasionally black, mostly mottled, earthy to rarely subwaxy, sub-platy to sub-blocky, marly - limy - very calcareous, some white calcite filled microfractures, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

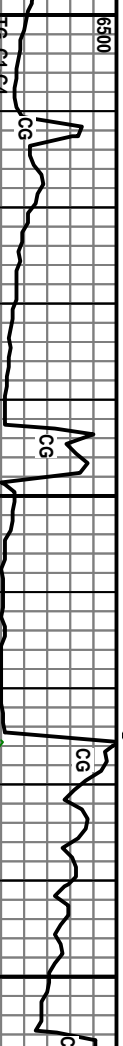
Carbonaceous Chalk - light gray to medium gray, some dark gray to occasionally black, mostly mottled, earthy to rarely subwaxy, sub-platy to sub-blocky, marly - limy - very calcareous, some white calcite filled microfractures, slightly firm to soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

ROF (Arbit) 6500
ROF (Arbit) 200
Total Gas (Arbit) 0
MWD Gamma (Arbit) 0

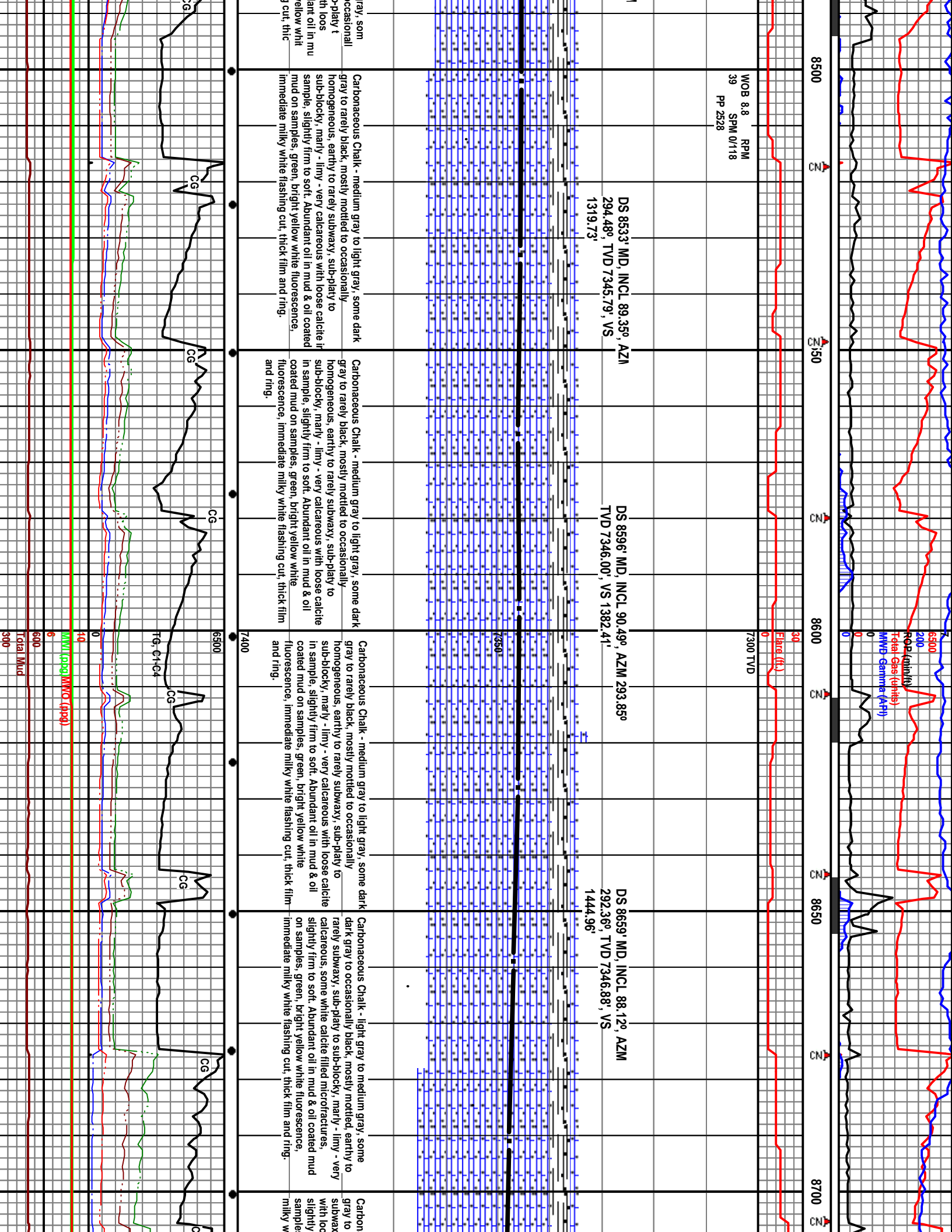
Flare (ft) 30
7300 TVD

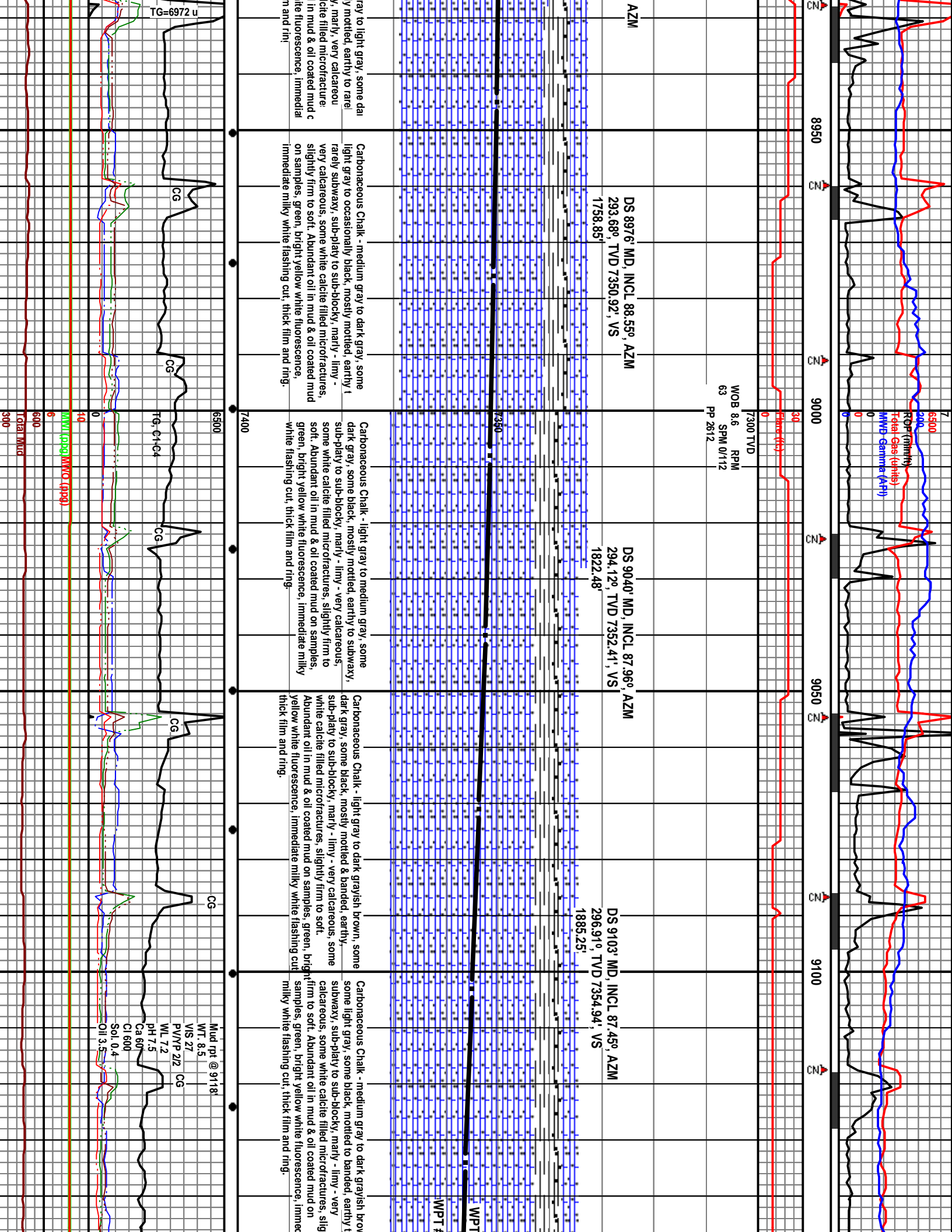
6500
7400

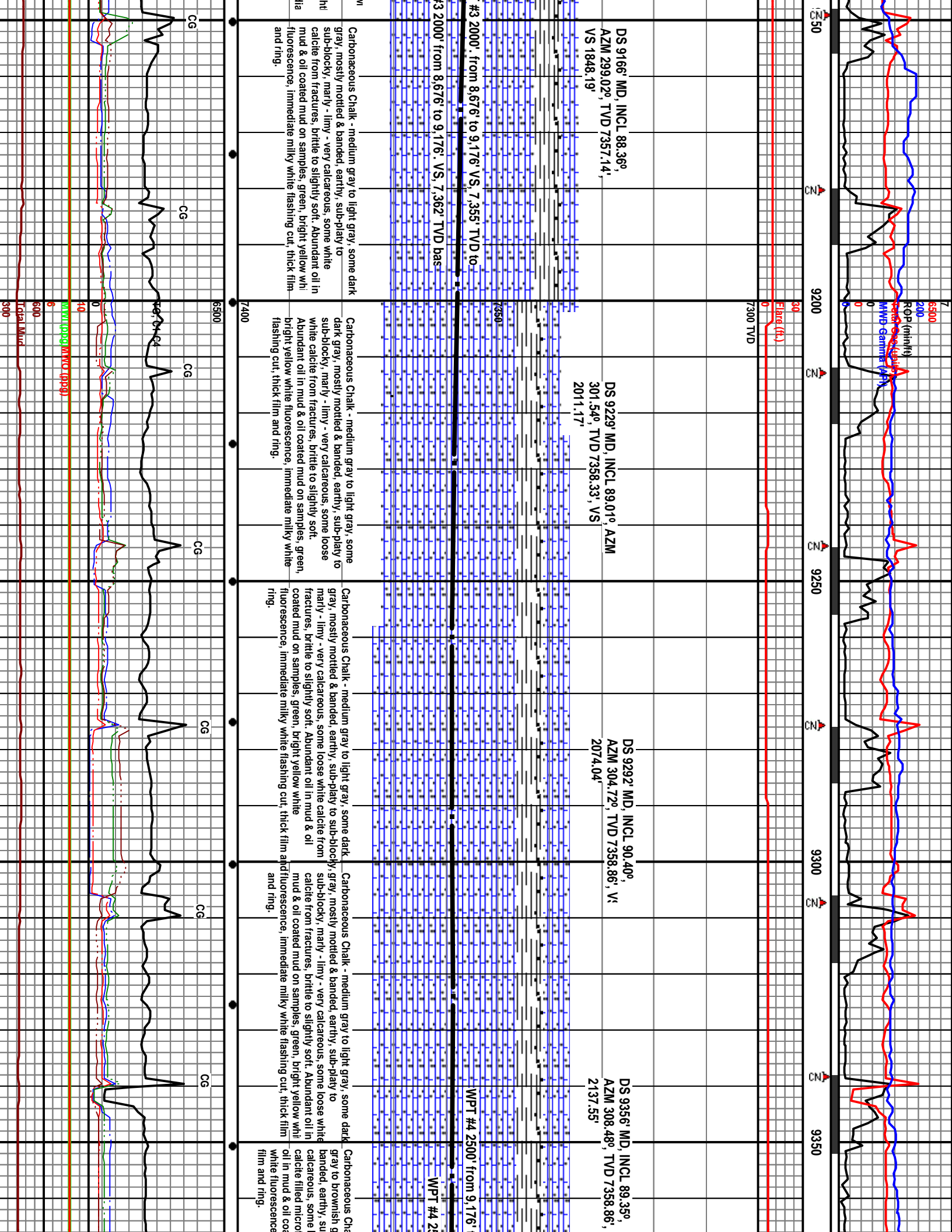
TG-01-G4

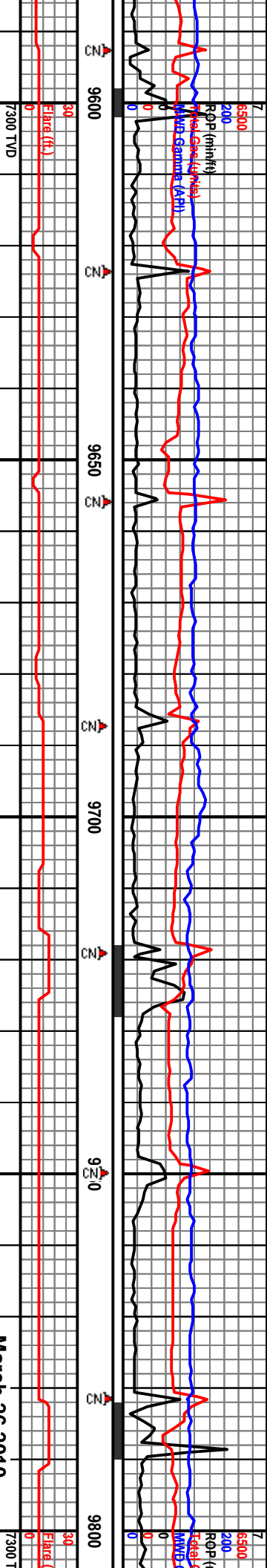


MWD (Arbit) MWD (Arbit) 6
Tidal Mud 600
300









March 26, 2010

DS 9609' MD, INCL 89.41°, AZM 310.80°, TVD 7359.11', VS 2385.79'

DS 9672' MD, INCL 90.62°, AZM 310.80°, TVD 7359.10', VS 2447.63'

DS 9735' MD, INCL 89.78°, AZM 310.81°, TVD 7358.38', VS 2509.44'

DS 9798' MD, INCL 89.77°, AZM 310.37°, TVD 7358.25', VS 2571.25'

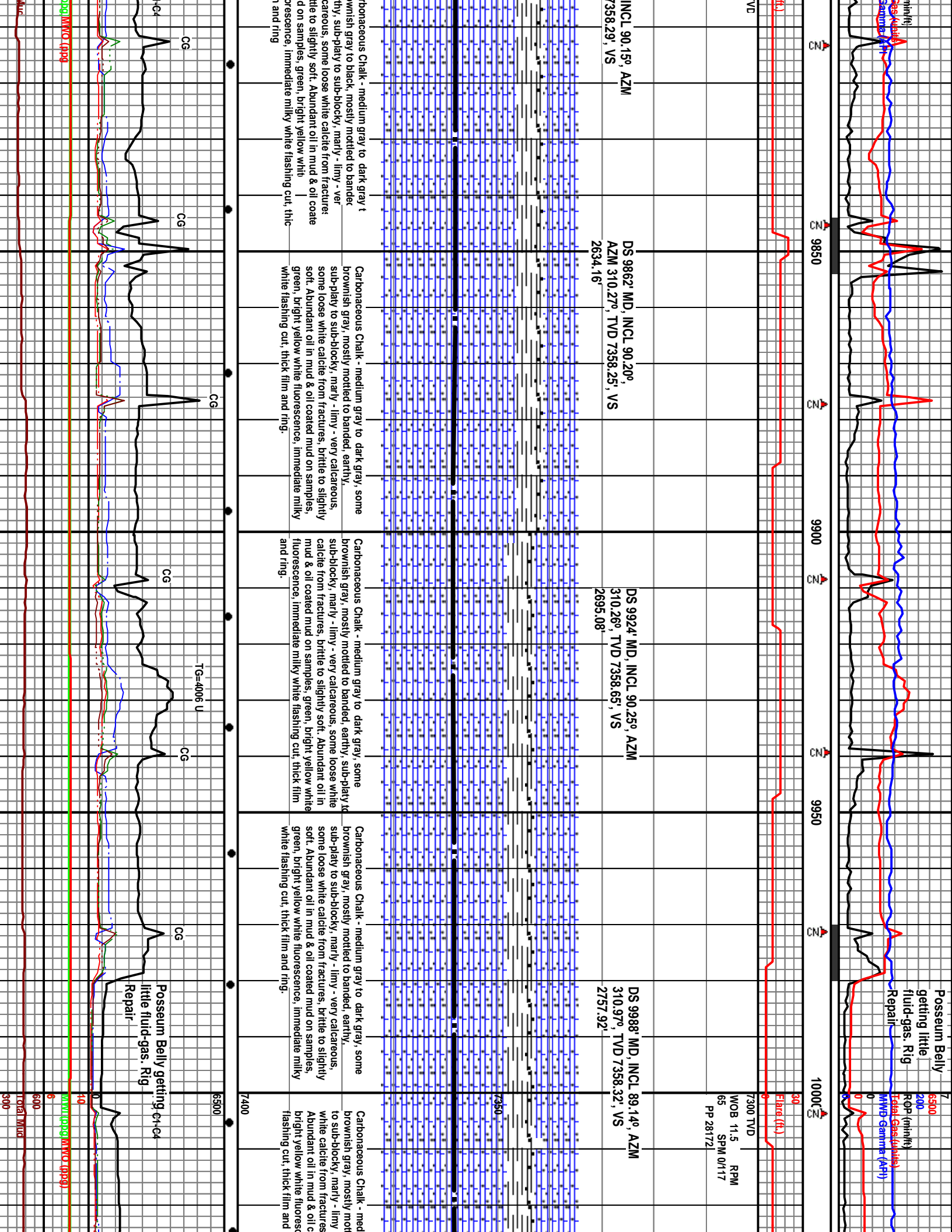
WPT #5 3000' from 9.676' to 10.176'. VS. 7.355' TVD

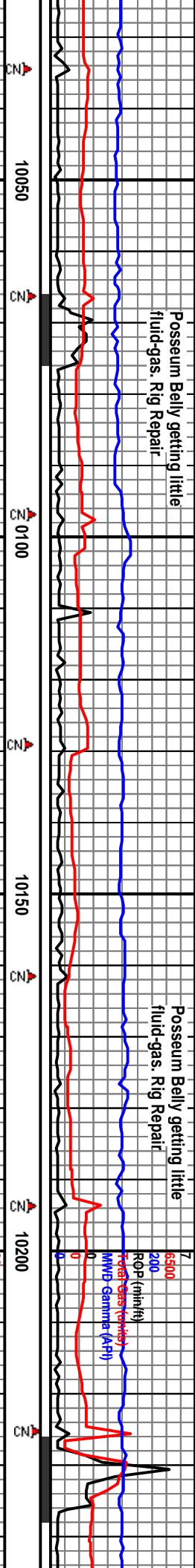
WPT #5 3000' from 9.676' to 10.176'. VS 7.362' base

Carbonaceous Chalk - medium gray to dark gray to brownish gray, mostly mottled to speckled to banded, earthy, sub-play to sub-blocky, marly - limy - very calcareous, some loose white calcite from fractures, rare calcite filled microfractures, brittle to slightly soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

CG
 TG-GR-CA
 6500
 6300
 6200
 6100
 6000
 5900
 5800
 5700
 5600
 5500
 5400
 5300
 5200
 5100
 5000
 4900
 4800
 4700
 4600
 4500
 4400
 4300
 4200
 4100
 4000
 3900
 3800
 3700
 3600
 3500
 3400
 3300
 3200
 3100
 3000
 2900
 2800
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

ROP (ft/hr)
 True Strain (K/MS)
 True Gamma (API)
 MWD (ppg)
 MWD (ppg)
 Tidal Mud
 6500
 6300
 6200
 6100
 6000
 5900
 5800
 5700
 5600
 5500
 5400
 5300
 5200
 5100
 5000
 4900
 4800
 4700
 4600
 4500
 4400
 4300
 4200
 4100
 4000
 3900
 3800
 3700
 3600
 3500
 3400
 3300
 3200
 3100
 3000
 2900
 2800
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0





Posseum Belly getting little fluid-gas. Rig Repair

Posseum Belly getting little fluid-gas. Rig Repair

DS 10051' MD, INCL 90.56°, AZM 311.36°, TVD 7358.27', VS 2819.61'

DS 10115' MD, INCL 88.64°, AZM 311.00°, TVD 7359.21', VS 2882.34'

DS 10179' MD, INCL 90.19°, AZM 311.96°, TVD 7359.95', VS 2944.96'

DS 10243' MD, INCL 90.19°, AZM 313.38°, TVD 7307.33'

limum gray to dark gray, some to banded, earthy, sub-platy - very calcareous, some loose brittle to slightly soft coated mud on samples, green fluorescence, immediate milky white ring

Carbonaceous Chalk - medium gray to dark gray, some brownish gray, mostly mottled to banded, earthy, sub-platy to sub-blocky, marly - limy - very calcareous, some loose white calcite from fractures, brittle to slightly soft. Abundant oil in mud & oil coated on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Carbonaceous Chalk - medium gray to dark gray, mottled to banded, earthy, sub-platy to sub-blocky, marly - limy - very calcareous, some loose white calcite from fractures, brittle to slightly soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Carbonaceous Chalk - medium gray to dark gray, mottled to banded, earthy, sub-platy to sub-blocky, marly - limy - very calcareous, some loose white calcite from fractures, brittle to slightly soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Carbonaceous Chalk - medium gray to dark gray to brownish gray, mottled to banded, earthy, sub-platy to sub-blocky, marly - limy - very calcareous, some loose white calcite from fractures, brittle to slightly soft. Abundant mud & oil coated on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

Mud rpt @ 10034'
WT 8.3
MS 29
P/V/P 3/1
WL 14.4
pH 7.0
Ca 609
Cl 600
Sol 0.4
Oil 4.0

CG
Posseum Belly getting little fluid-gas. Rig Repair

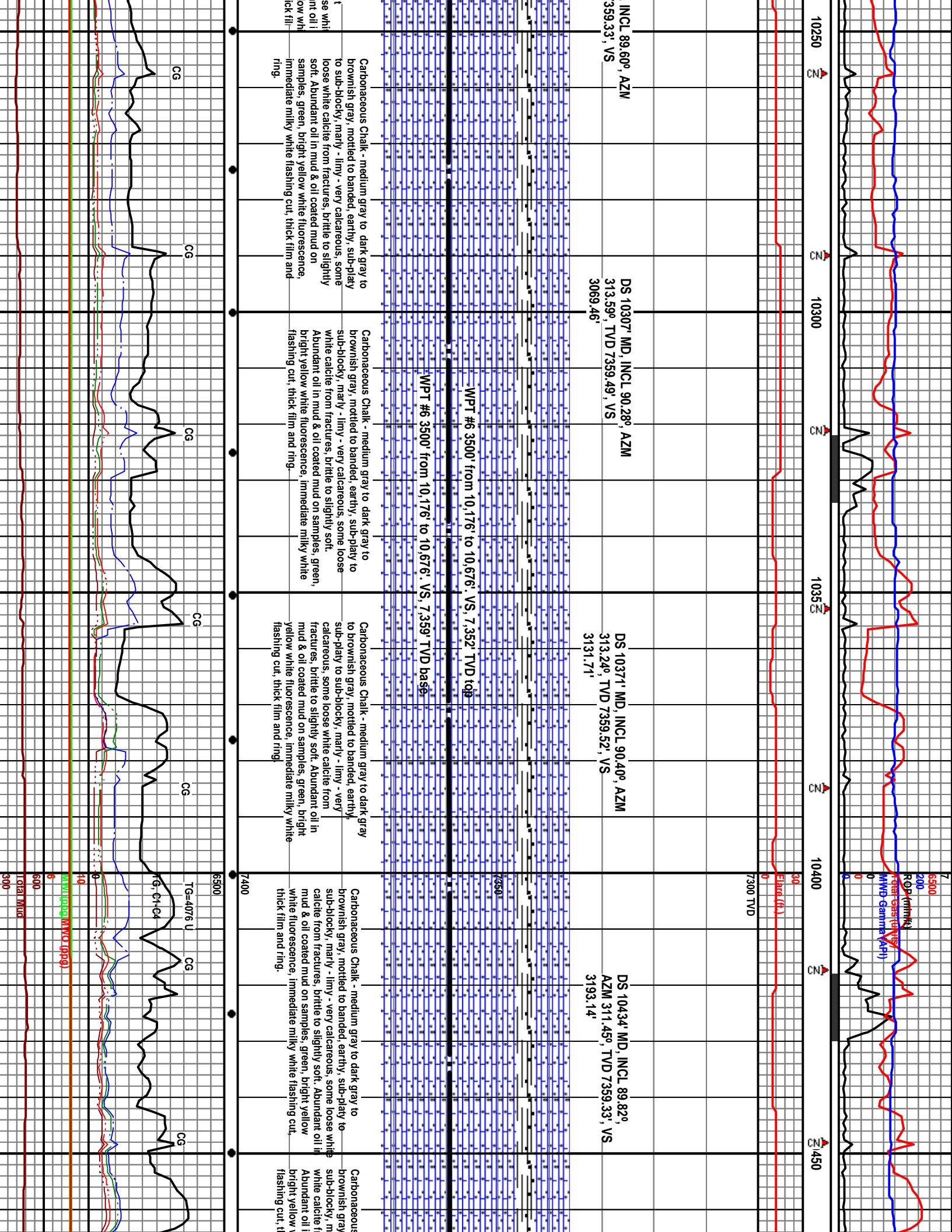
CG

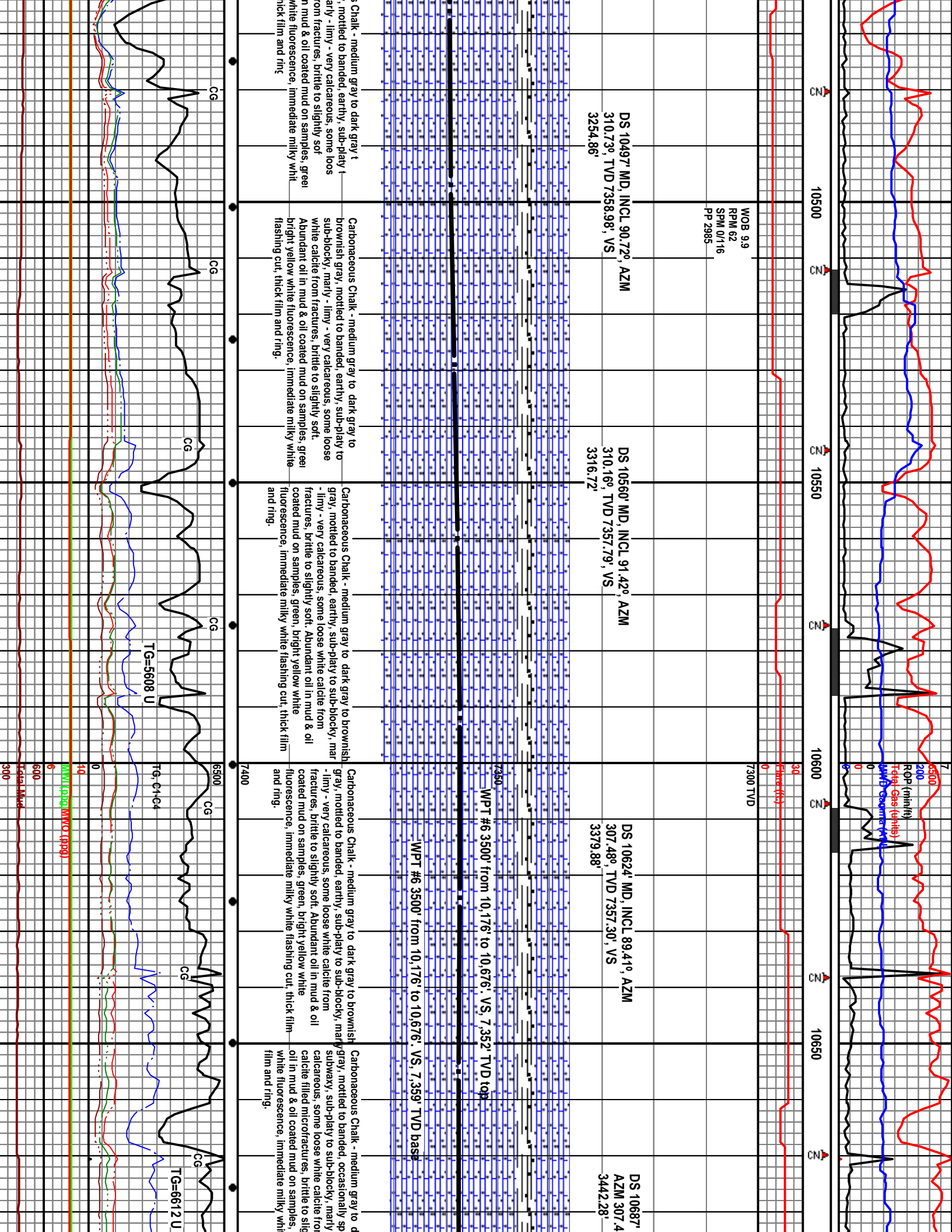
CG
Posseum Belly getting little fluid-gas. Rig Repair

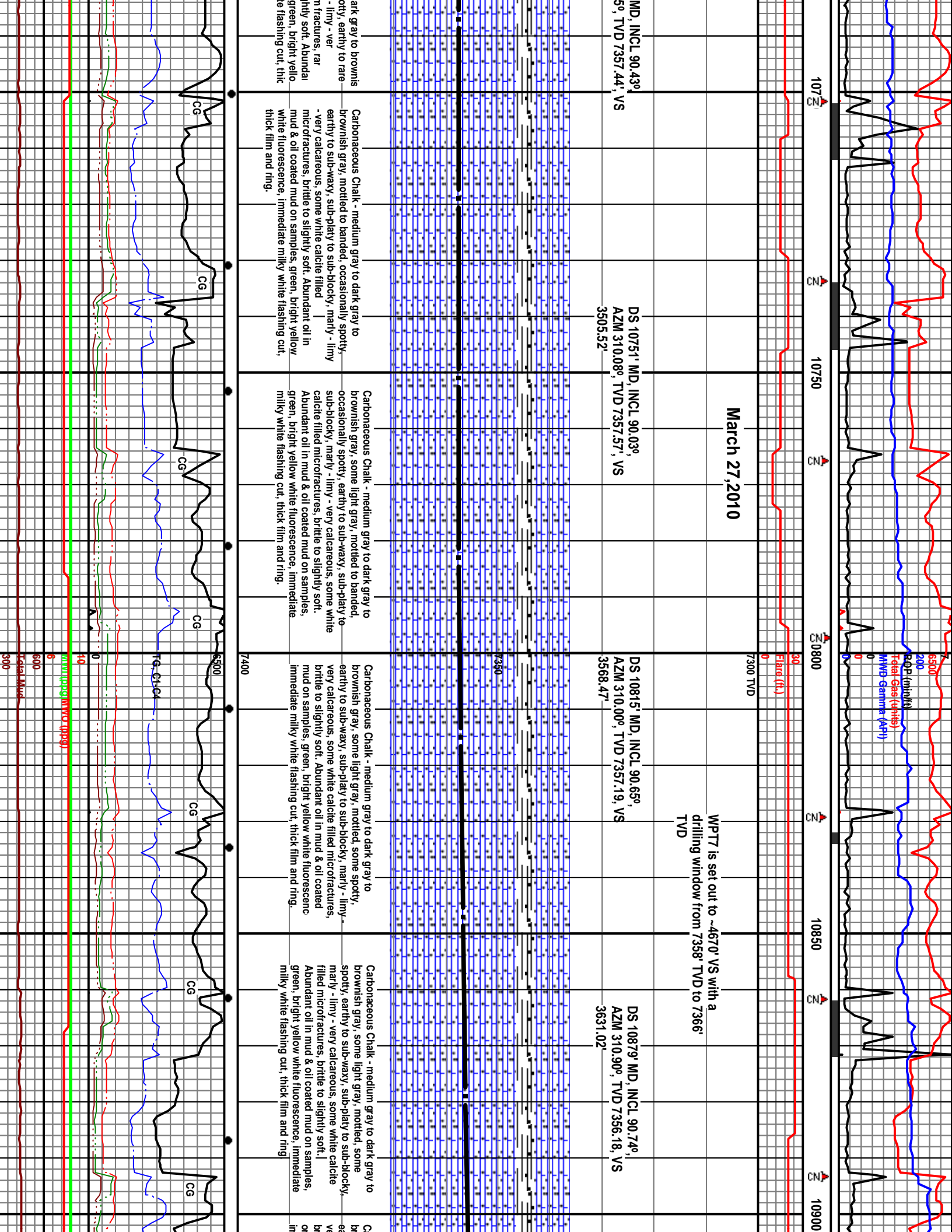
CG

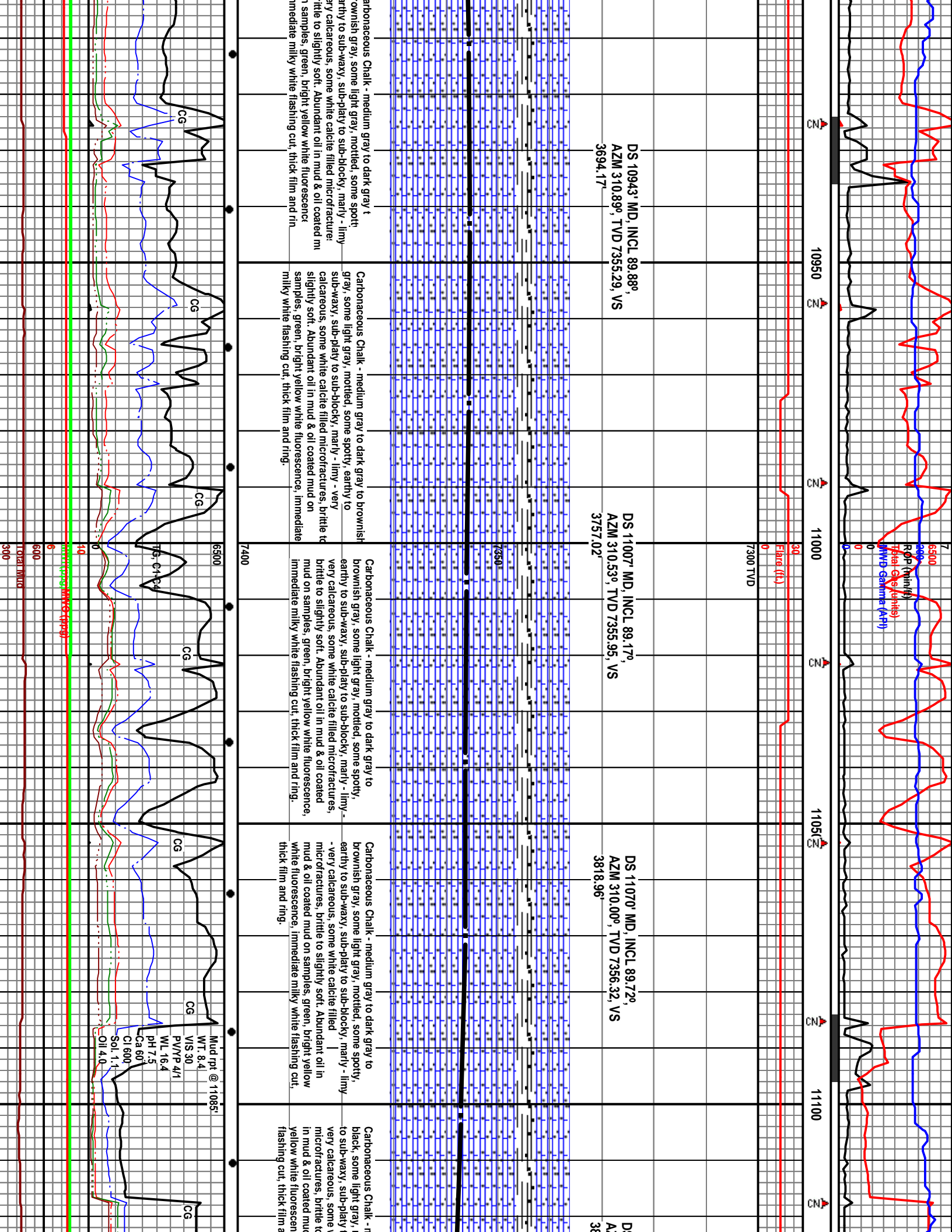
CG

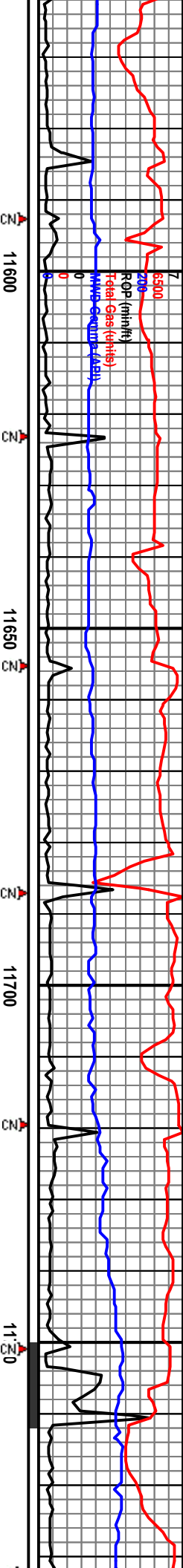
7300 TVD
Flare (ft)
Total Gas (cc/gal)
MWG Gamma (API)
ROP (ft/min)
6500
200
600
300
Foster-Moore











DS 11577' MD, INCL 89.140°,
AZM 311.280°, TVD 7361.73, VS
4315.38'

DS 11641' MD, INCL 89.970°,
AZM 311.110°, TVD 7362.22, VS
4378.10'

DS 11704' MD, INCL 90.460°,
AZM 310.800°, TVD 7360.00,
VS 4439.90'

DS 11767' MD, INCL 90.270°,
AZM 311.450°, TVD 7361.17,
VS 4501.66'

Chalk - medium gray to dark gray to grayish light gray, mottled to occasionally spotted to sub-waxy, sub-platey to sub-blocky, mainly calcareous, some white calcite fill (oil in mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film

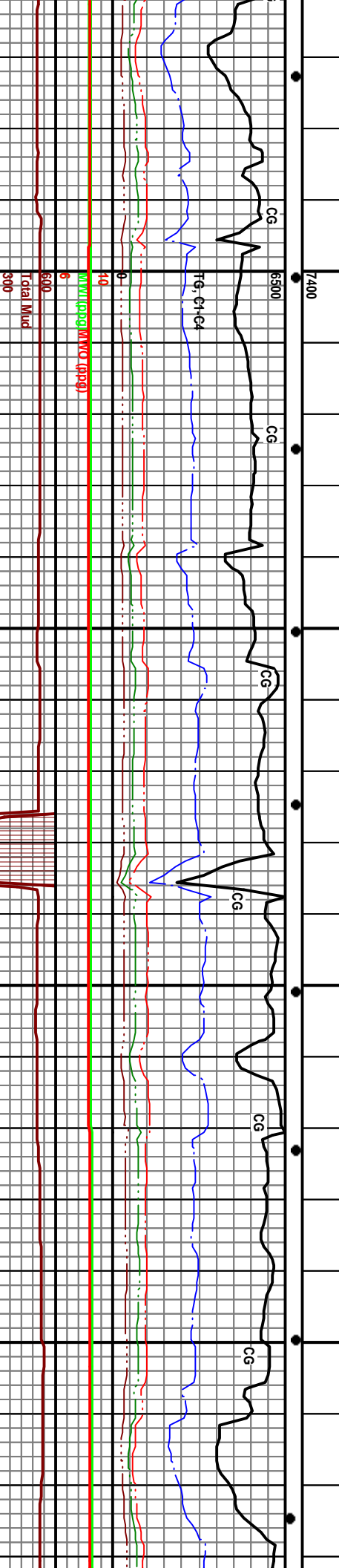
Carbonaceous Chalk - medium gray to dark gray to grayish black, some light gray, mottled to occasionally spotty, mostly earthy to sub-waxy, sub-platey to sub-blocky, mainly - limy - very calcareous, some white calcite filled microfractures, brittle to slightly soft. Abundant oil in mud & oil coated mud on samples, green, bright yellow white fluorescence, immediate milky white flashing cut, thick film and ring.

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WPT #7 4670' from 10,676' to 11,845' +/-
WPT #1 4670' from 10,676' to 11,845' +/-



DS 11767' MD, INCL 90.270°,
AZM 311.450°, TVD 7361.17,
VS 4501.66'

DS 11641' MD, INCL 89.970°,
AZM 311.110°, TVD 7362.22, VS
4378.10'

DS 11704' MD, INCL 90.460°,
AZM 310.800°, TVD 7360.00,
VS 4439.90'

DS 11767' MD, INCL 90.270°,
AZM 311.450°, TVD 7361.17,
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