



INTEQ

FORMATION EVALUATION LOG

Scallop-1

SCALE: 1:500



RATE OF PENETRATION		MEASURED DEPTH (m)	CUTTINGS LITHOLOGY	CHROMATOGRAPH & TOTAL GAS						DIRECT FLUORESCENCE	CUT FLUORESCENCE	REMARKS			
WOB (klbs)				Methane											
ROP (m/hr)				Ethane											
			Propane												
			I-Butanes												
			N-Butanes												
			Pentanes (ppm)												
			0.001	0.01	0.1	1	10	100							
			Total Gas (%)			1%TG = 50Units									
			0.001	0.01	0.1	1	10	100							
		250	17.5' HOLE DRILLED FROM SEAFLOOR TO 917mMD. RETURNS TO SEAFLOOR						GOOD FAIR POOR			Spud Scallop-1 1200hrs 02 February '03 Seabed @ 135.5m RT - MSL: 25.9m WD: 109.6m Data Collection Start from 261m			
												Survey @ 267.50mMD Inc: 0.35 deg Azi: 15.59 deg TVD 267.49m			
												Survey @ 296.40mMD Inc: 0.35 deg Azi: 357.50 deg TVD 296.39m			
		300													

17.5' HOLE DRILLED FROM SEAFLOOR TO 917mMD. RETURNS TO SEAFLOOR

NB#2 HYCALOG DS34HF 17.5" Jets 6x14 In: 179m Out: 917m On Btm: 14.1 hrs 1/1/ER/T/X/1/NO/TD

WOB: 0.57-1.54 klb RPM: 54-150 GPM: 1129-1191 SPP: 2126-2839 psi

NB#21 HYCALOG DS34HF 17.5"
Jets 6x14
In: 179m
Out: 917m
On Btm: 14.1 hrs
1/T/ER/T/X/1/NO/TD

WOB: 0.57-1.54 kb
RPM: 54-150
GPM: 1129-1191
SPP: 2126-2339 psi

Drill with Seawater Returns to Seabed

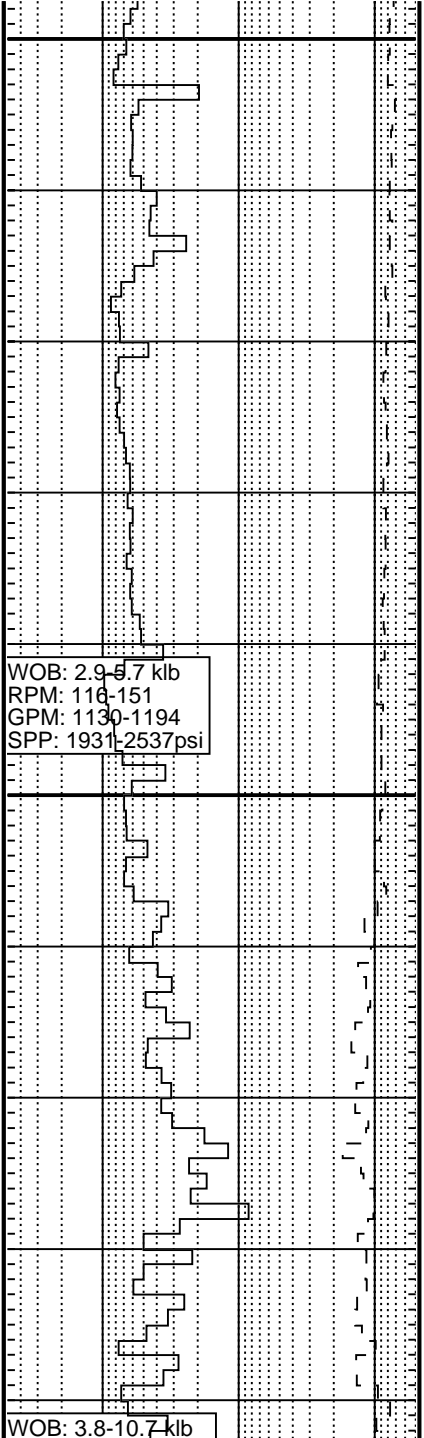
Survey @ 325.40mMD
Inc: 0.35 deg
Azi: 358.93 deg
TVD 325.39m

Survey @ 354.40mMD
Inc: 0.31 deg
Azi: 351.16 deg
TVD 351.16m

Survey @ 383.20mMD
Inc: 0.28 deg
Azi: 341.33 deg
TVD 383.19m

WOB: 1.4-6.3 klb
RPM: 136-152
GPM: 1150-1191
SPP: 2218-2324 psi

WOB: 2.4-5.6 klb	
RPM: 123-152	
GPM: 1091-1169	
SPP: 2008-2319psi	



400

450

Drill with Seawater
Returns to Seabed

Survey @ 412.20mMD
Inc: 0.28 deg
Azi: 333.71 deg
TVD 412.19m

Survey @ 441.30mMD
Inc: 0.30 deg
Azi: 330.59 deg
TVD 441.29m

Survey @ 470.30mMD
Inc: 0.26 deg
Azi: 319.95 deg
TVD 470.29m

RPM: 101-147
GPM: 1155-1233
SPP: 2079-2565 psi

500

WOB: 5.2-9.7 klb
RPM: 119-142
GPM: 1169-1220
SPP: 1649-2617 psi

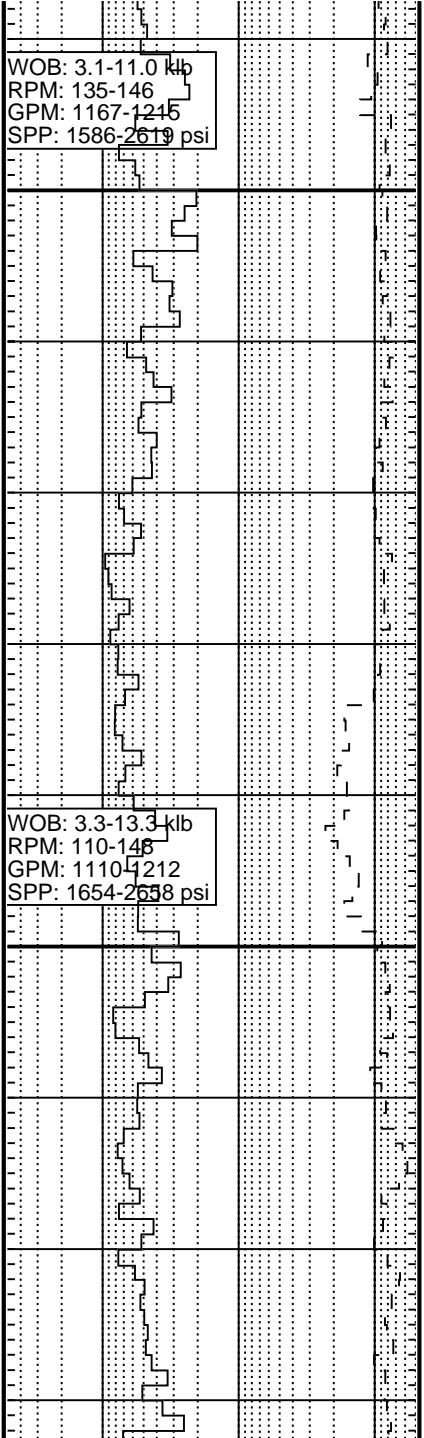
550

Survey @ 499.30mMD
Inc: 0.27 deg
Azi: 316.67 deg
TVD 499.29m

Survey @ 528.30mMD
Inc: 0.29 deg
Azi: 341.21 deg
TVD 528.29m

Survey @ 557.30mMD
Inc: 0.35 deg
Azi: 334.17 deg
TVD 557.29m

Survey @ 586.30mMD



600

650

Inc: 0.37 deg
Azi: 339.92 deg
TVD 586.29

Drill with Seawater
Returns to Seabed

Survey @ 644.20mMD
Inc: 0.44 deg
Azi: 344.86 deg
TVD 644.19m

Survey @ 673.10mMD
Inc: 0.48 deg
Azi: 339.40 deg
TVD 673.09m

WOB: 1.2-6.7 klb
RPM: 115-148
GPM: 1171-1207
SPP: 2614-2700 psi

700

WOB: 1.1-7.8 klb
RPM: 113-147
GPM: 1139-1191
SPP: 2541-2675 psi

750

Drill with Seawater
Returns to Seabed

Survey @ 702.10mMD
Inc: 0.47 deg
Azi: 355.15 deg
TVD 702.09m

Survey @ 731.10mMD
Inc: 0.49 deg
Azi: 354.85 deg
TVD 731.08m

Survey @ 760.10mMD
Inc: 0.46 deg
Azi: 355.22 deg
TVD 760.08m

WOB: 2.4-7.7 klb
RPM: 117-141
GPM: 1145-1197
SPP: 2630-2821 psi

WOB: 7.2-10.7 klb
RPM: 136-145
GPM: 1147-1191
SPP: 2629-2836 psi

800

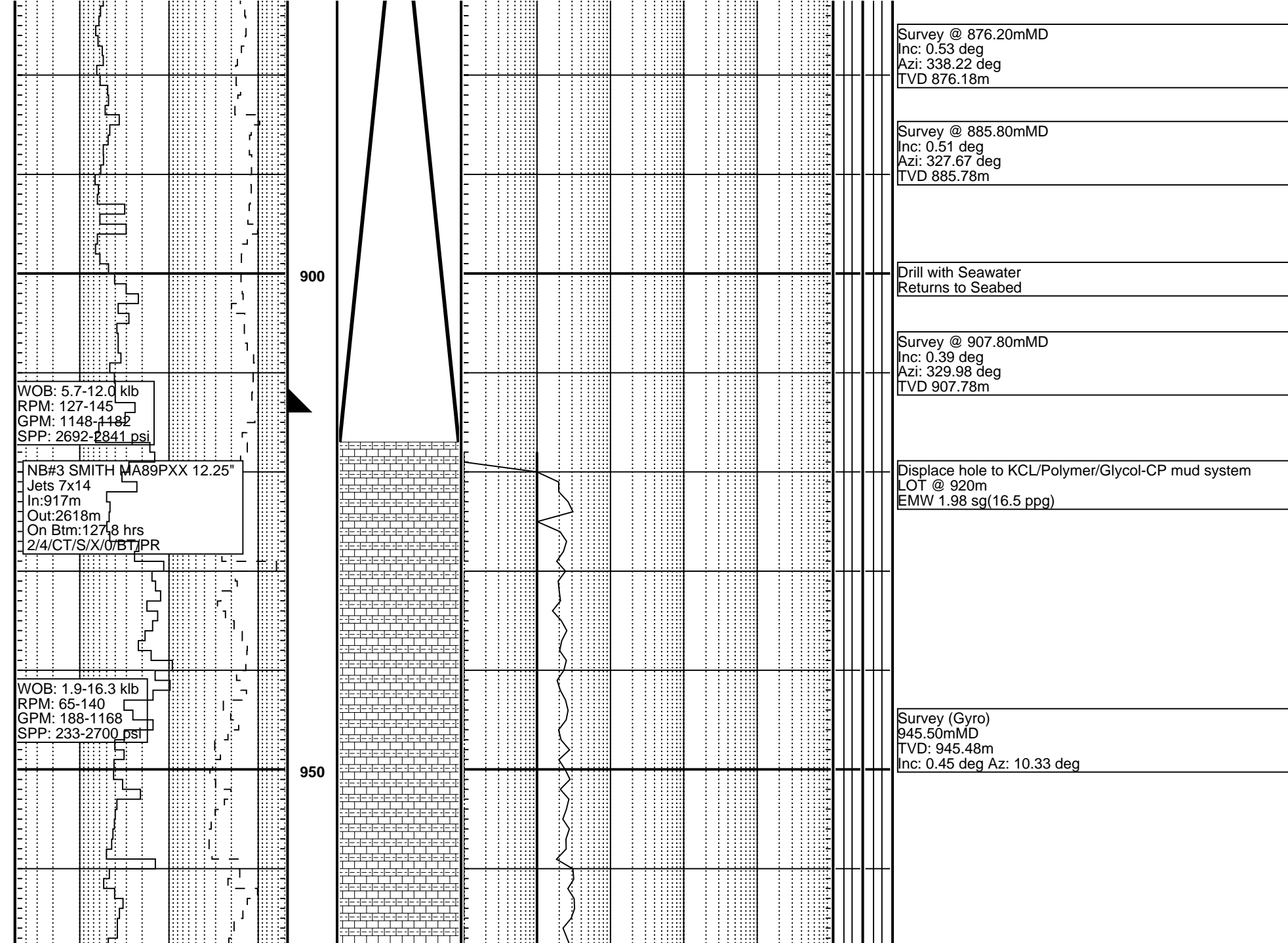
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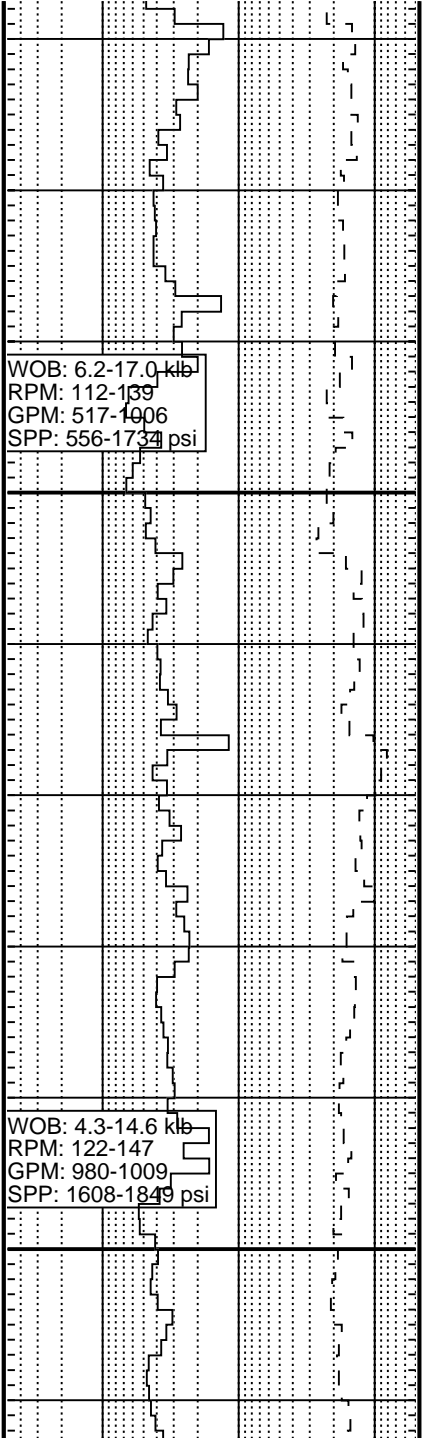
Survey @ 789.10mMD
Inc: 0.46 deg
Azi: 350.78 deg
TVD 789.08m

Drill with Seawater
Returns to Seabed

Survey @ 818.20mMD
Inc: 0.41 deg
Azi: 301.70 deg
TVD 818.18m

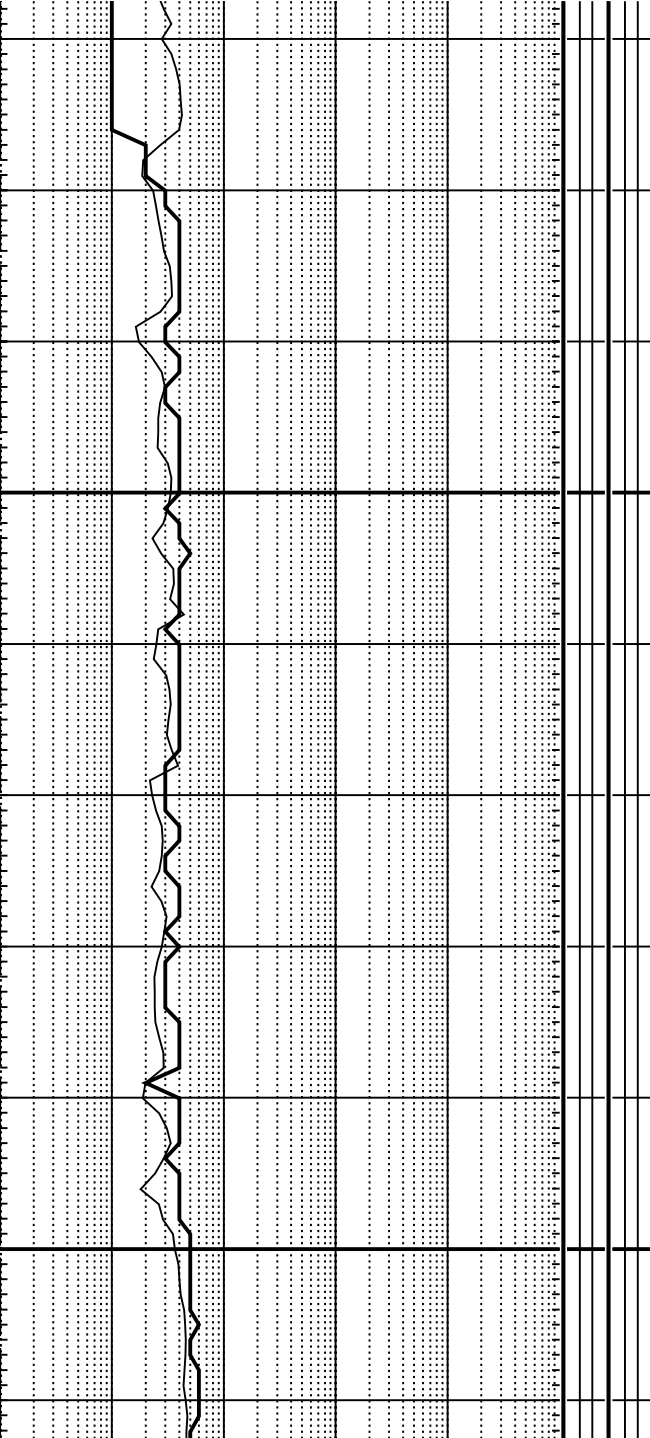
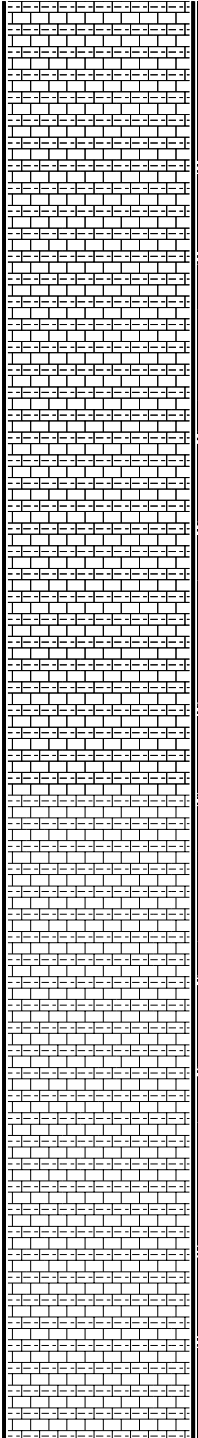
Survey @ 847.20mMD
Inc: 0.51 deg
Azi: 355.47 deg
TVD 847.18m



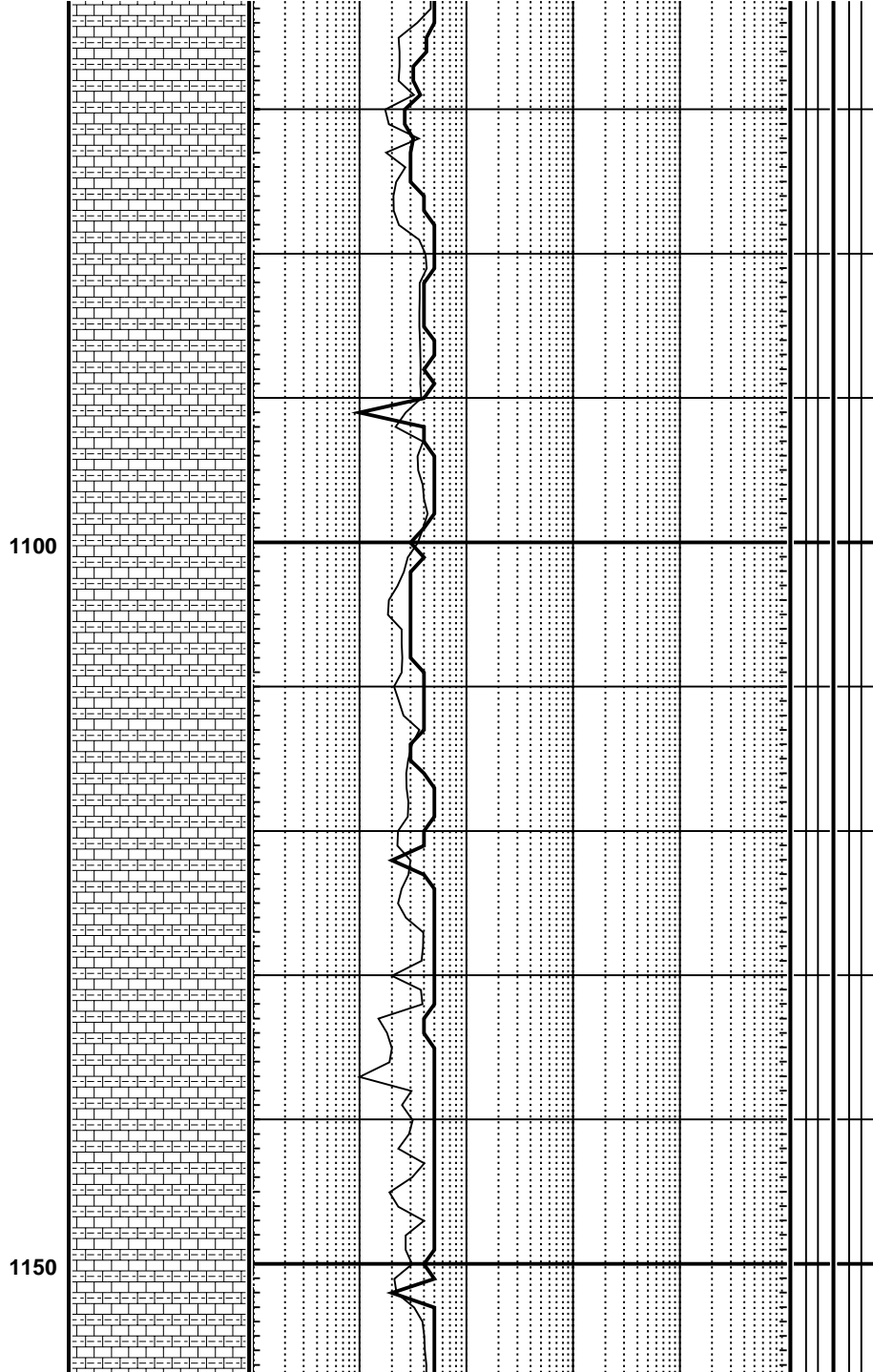
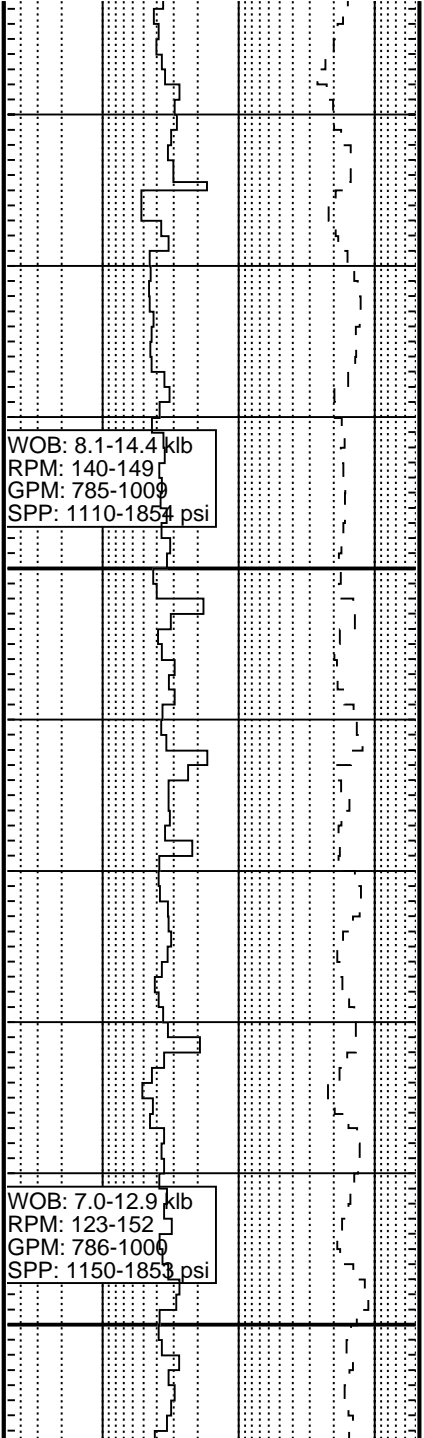


1000

1050



ARGILLACEOUS CALCILUTITE:lt gy-m lt gy,lt olv gy,sft- occ frm,disp i/p, sbblky-blky,tr carb spk,tr foram			
W 9.00 V 45 PV/YP 11/15 Gels 3/3 F 5.4 FC 1 Sol 1.2 Sd 0.25 pH 9.5 Cl 34k Ca 120 KCl 7.2%			
ARGILLACEOUS CALCILUTITE:lt gy-m lt gy,lt olv gy,sft- frm,sbblky,tr carb spk,tr foram			
ARGILLACEOUS CALCILUTITE:lt gy-m lt gy,lt olv gy,sft- frm,sbblky,tr carb spk,tr foram			



ARGILLACEOUS CALCILUTITE:lt gy-m dk gy,lt olv gy,v sft frm,sbblky-blky,tr carb spk,tr foram

ARGILLACEOUS CALCILUTITE:m dk gy-olv gy,sft-frm, sbblky-blky,tr carb spk

ARGILLACEOUS CALCILUTITE:m dk gy-olv gy,frm,sbblky-blky,tr carb spk

Survey (Gyro)
1147.61mMD
TVD: 1147.58m
Inc: 0.64 deg Az: 46.68 deg

WOB: 7.6-15.9 klb
RPM: 99-148
GPM: 956-1006
SPP: 1786-2047 psi

1200

ARGILLACEOUS CALCILUTITE:m dk gy-olv gy,frm,sbblky-blky,tr carb spk

ARGILLACEOUS CALCILUTITE:m gy-olv gy,sft-frm,sbblky-blky,tr glau,tr dol @ 1215m

W 9.55 V 51 PV/YP 15/23
Gels 4/5 F 3.5 FC 1
Sol 3.5 Sd 0.35 pH 9.7
Cl 32.5k Ca 60 KCl 6.3%

WOB: 8.4-16.6 klb
RPM: 88-146
GPM: 989-1012
SPP: 2036-2215 psi

1250

WOB: 7.1-11.4 klb
RPM: 125-138
GPM: 981-1045
SPP: 2028-2109 psi

08/02/03

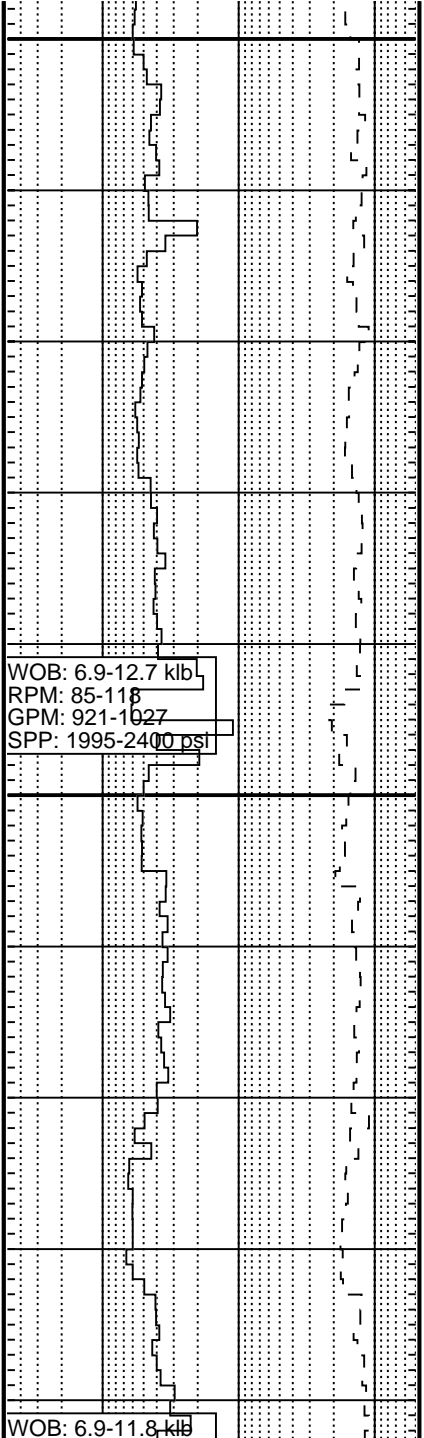
WOB: 6.7-11.9 klb
RPM: 115-137
GPM: 958-1015
SPP: 2038-2135 psi

1300

ARGILLACEOUS CALCILUTITE:m dk gy-olv gy,sft-frm,
sbbiky-blky,tr glau,tr carb spk

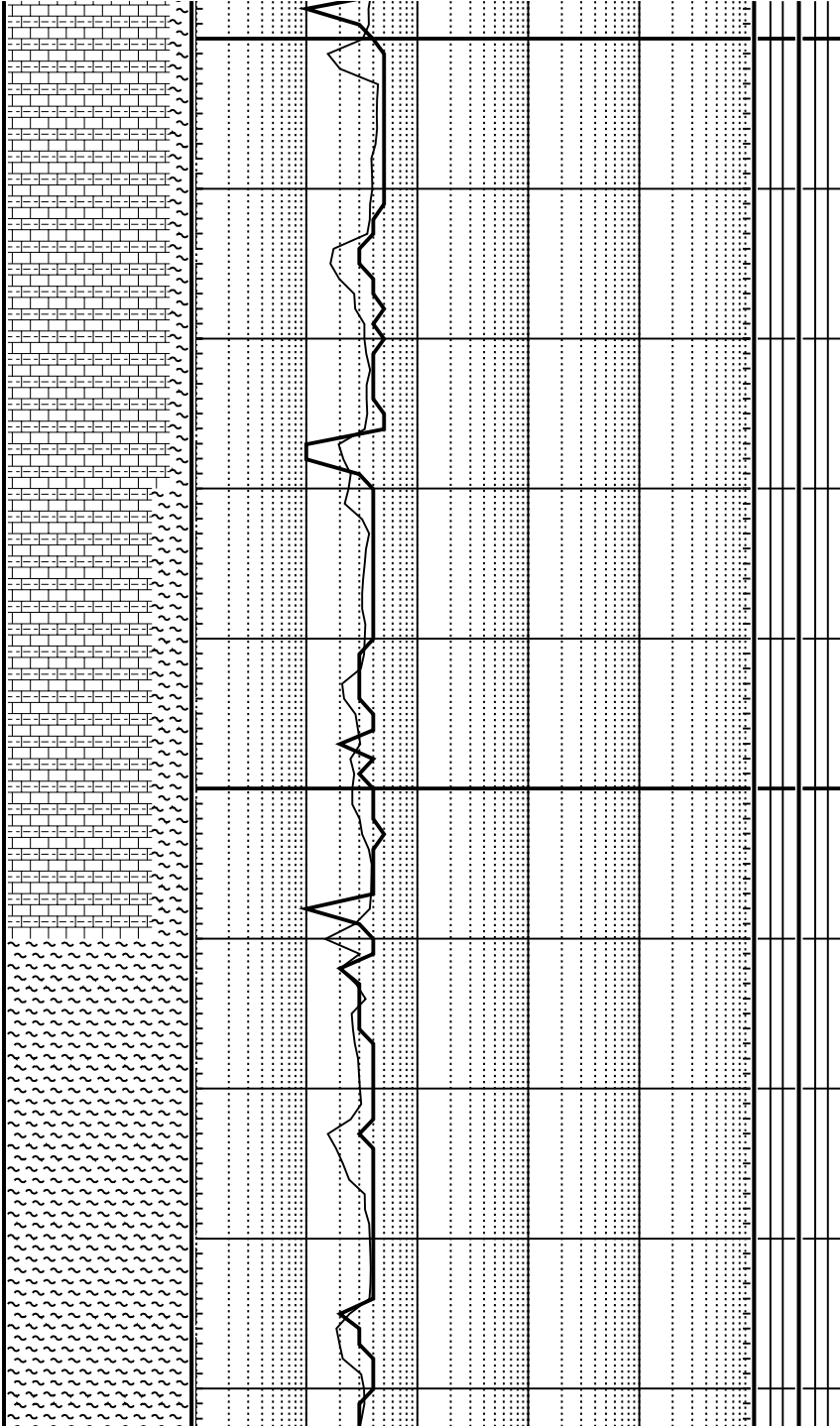
ARGILLACEOUS CALCILUTITE:m dk gy-olv gy,occ olv gy,
sft-frm,sbbiky-blky,tr carb spk,tr foram

ARGILLACEOUS CALCILUTITE:m gy-lt olv gy,occ olv gy,
sft-frm,blky-sbbiky



1350

1400



ARGILLACEOUS CALCILUTITE:m dk gy,olv gy,sft-frm, sbblky-blky,tr carb spk,tr foram,tr calc conc

Survey (Gyro)
1350.10mMD
TVD: 1350.06m
Inc: 0.60 deg Az: 43.77 deg

ARGILLACEOUS CALCILUTITE:m dk gy,olv gy,sft-frm,disp i/p,sbblky-blky,arg,tr carb spk,tr foram,tr foss frag

MARL:m lt gy,olv gy,sft-frm,sbblky-blky,tr glau,tr carb spk,tr foram

MARL:m lt gy,olv gy,sft-frm,sbblky-blky,tr glau,tr carb spk,tr foram

RPM: 100-118
GPM: 1003-1040
SPP: 2216-2501 psi

WOB: 7.0-11.7 klb
RPM: 103-118
GPM: 996-1018
SPP: 2123-2360 psi

1450

1500

MARL:lt gy-m lt gy,occ lt olv gy,sft-frm,sbblky-blky,tr foram,
tr glau

MARL:m dk gy,olv gy,sft-frm,blky,disp i/p,tr foss frag,tr
foram

ARGILLACEOUS CALCILUTITE:lt gy-m gy,occ lt olv gy,sft-
frm,sbblky-blky,tr carb spks,tr foram,tr pyr nod,tr glau,tr foss
frag,tr uncons rnd qtz gr

MARL:m dk gy-m gy,sft-frm,sbblky-blky,mnr sltst lam,tr
foram

WOB: 7.0-11.7 klb
RPM: 114-118
GPM: 972-1038
SPP: 2238-2527 psi

1550

Survey (Gyro)
1552.70mMD
TVD: 1552.65m
Inc: 0.85 deg Az: 12.09 deg

MARL:lt gy-m dk gy,sft frm,disp i/p,sbblky-blky,mnr slt lam,t
glau,tr foram,tr pyr nod

W 9.55 V 50 PV/YP 15/27
Gels 6/6 F 4.4 FC 1
Sol 3.5 Sd 0.30 pH 9.5
Cl 35k Ca 180 KCl 6.2%

WOB: 6.4-12.7 klb
RPM: 105-123
GPM: 981-1009
SPP: 2185-2353 psi

1600

MARL:m dk gy-olv gy,frm,sbblky-blky

WOB: 5.7-12.7 klb
RPM: 118-139
GPM: 1005-1051
SPP: 2313-2472 psi

1650

WOB: 7.8-13.5 klb
RPM: 109-130
GPM: 913-1055
SPP: 2107-2606 psi

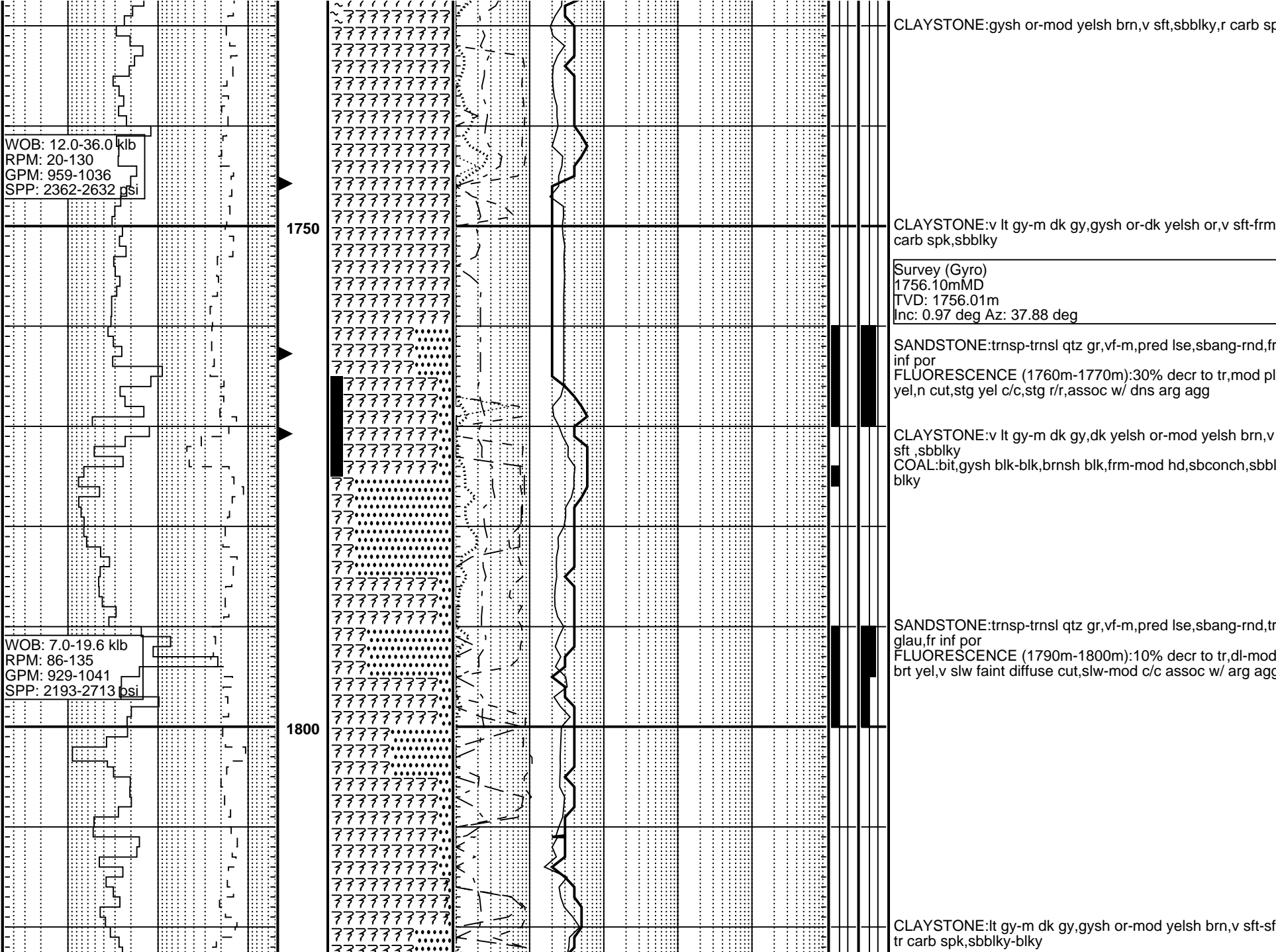
1700

MARL:m lt gy-lt olv gy,frm,sbblky-blky

MARL:m dk gy-olv gy,frm,sbblky-blky,tr glau

MARL:m gy-olv gy,sft-frm,sbblky,tr glau

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WOB: 6.5-13.9 klb
RPM: 105-126
GPM: 840-1009
SPP: 1938-2535 psi

09/02/03

FLC @ 1876m (static)

WOB: 3.2-12.0 klb
RPM: 92-127
GPM: 938-1021
SPP: 2316-2691 psi

1850

1900

SANDSTONE:trnspr-trnsl,wh-m lt gy lse qtz gr,sbang-rnd,v
pr srt,wk sil cmt,tr c,n shw

W 9.80 V 50 PV/YP 20/26
Gels 6/8 F 3.6 FC 1
Sol 4.9 Sd 0.70 pH 9.2
Cl 38k Ca 200 KCl 6.0%

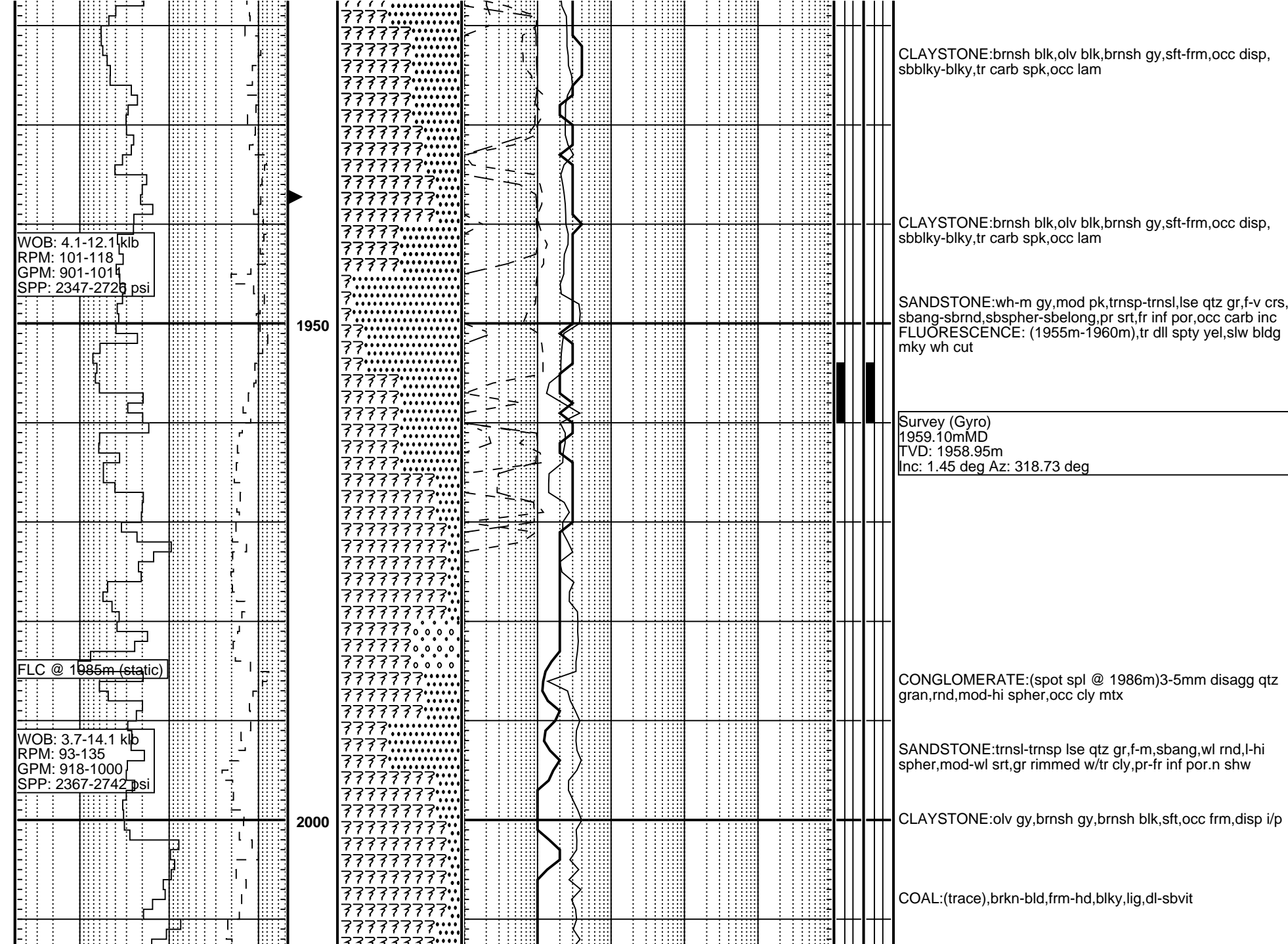
SANDSTONE:trnspr-trnsl,wh-m lt gy lse qtz gr,sbang-rnd,v
pr srt,wk sil cmt,tr c,n shw

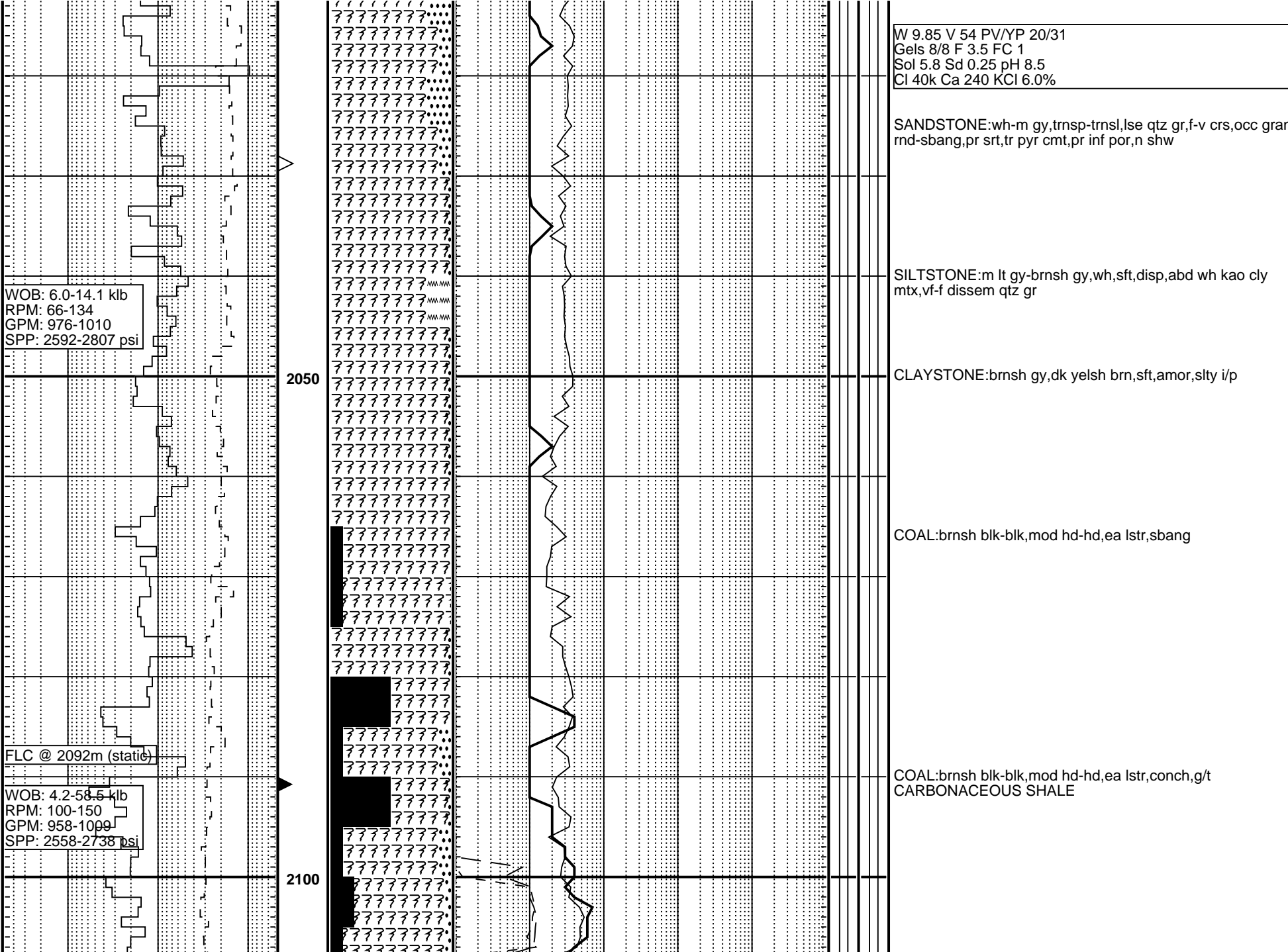
CLAYSTONE:dsky brn,brnsh blk,frm,tr carb spk,micro lam

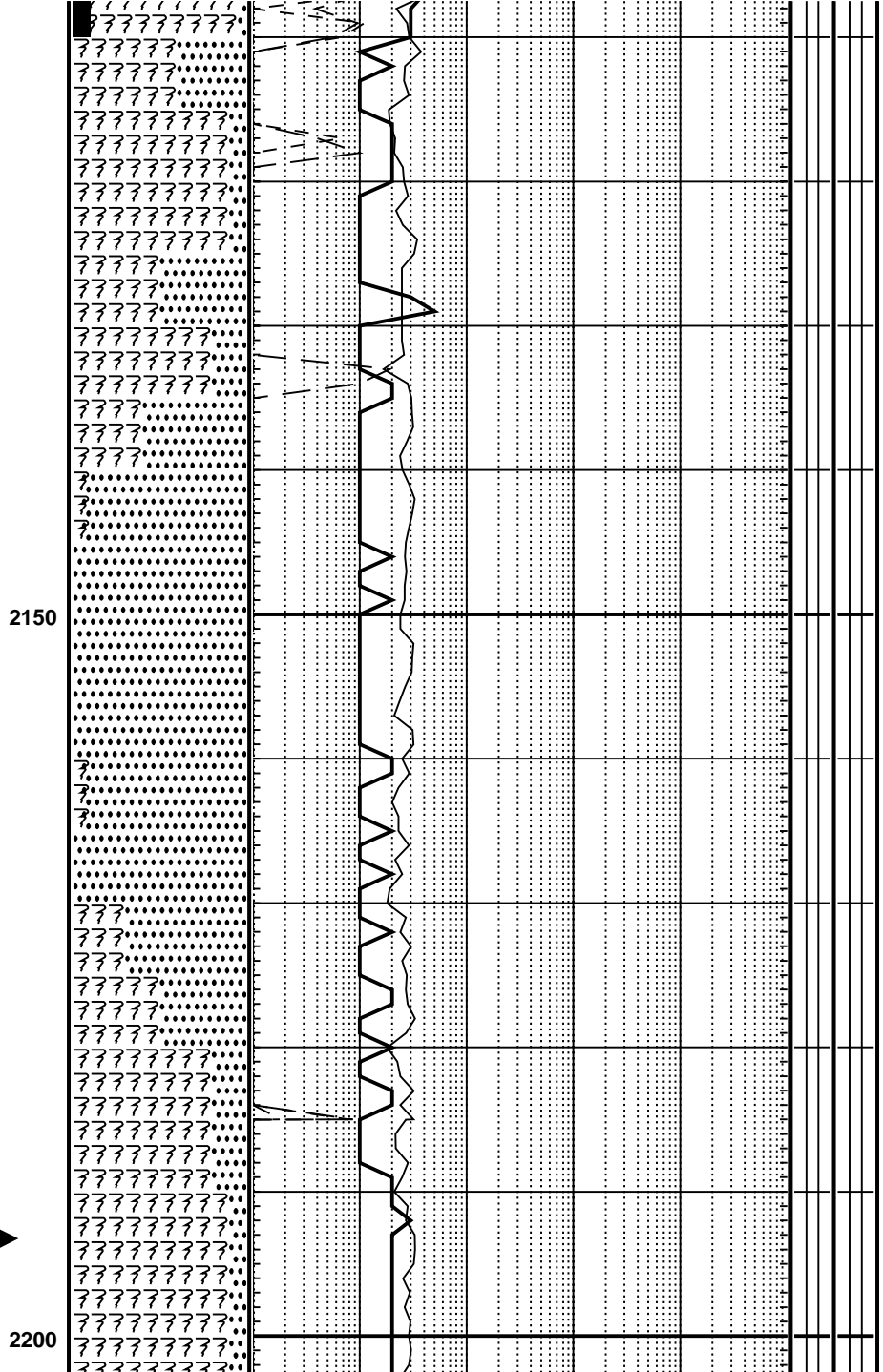
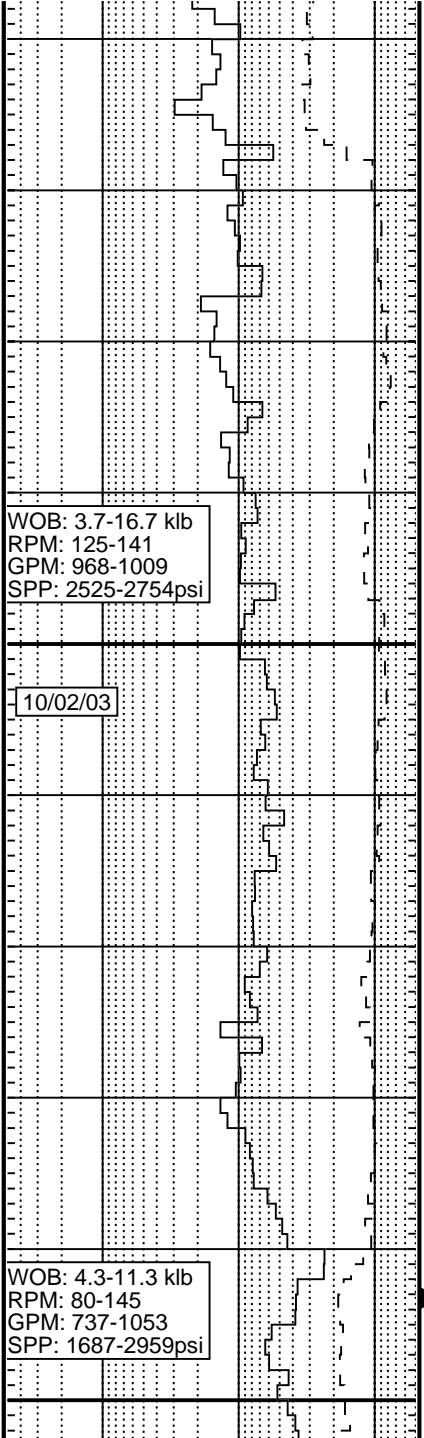
SANDSTONE:wh-v lt gy,trnspr-trnsl,lse qtz gr,f-m,sbang-
sbrnd,mod-wl srt,gd inf por,n shw

COAL:gysh blk-blk,dll-sbvit,frm-mod hd,sbfiss,unevn frac

SANDSTONE:trnspr-trnsl,wh-m lt gy lse qtz gr,sbang-rnd,v
pr srt,wk sil cmt,tr c,n shw







ARGILLACEOUS SANDSTONE:v lt gy-gysh brn,vf-occ m, sbang,pr srt,kao mtx,pr vis por,n shw
CLAYSTONE:lt gy-m dk gy,wh-yelsh gy, v sft-sft,sbbiky-blky
Survey (Gyro) 2133.10mMD TVD: 2132.88m Inc: 1.45 deg Az: 11.55 deg
SANDSTONE:trnspr-trnsl qtz gr,pred lse,vf-crs,ang-sbang,pr srt,occ agg w/ sil cmt,gd vis por,tr smky qtz,tr gy cht,n shw
W 9.85 V 57 PV/YP 21/29 Gels 7/9 F 3.6 FC 1 Sol 6.0 Sd 0.40 pH 8.6 Cl 39.5k Ca 280 KCl 6.6%
SANDSTONE:trnspr-trnsl,occ fros,pred lse,r agg,f-m,ang-sbrnd,wl srt,tr pyr cmt,pr vis por,tr nod pyr,n shw
CLAYSTONE:wh-gysh brn,mott,sft-disp,kao,sd i/p,tr carb spk
SANDSTONE:trnspr-trnsl,occ fros,pred lse,vf-m gr,occ crs, ang-sbrnd,wl srt,tr sil cmt,pr vis por,n shw
W 9.90 V 53 PV/YP 20/33 Gels 8/9 F 3.2 FC 1 Sol 5.8 Sd 0.25 pH 8.5 Cl 40.0k Ca 180 KCl 6.0%
CLAYSTONE:m lt gy-lt gy,occ wh,sft-frm,amor-sbbiky

FLC @ 2210m (static)

WOB: 2.9-12.0 klb
RPM: 85-132
GPM: 927-1027
SPP: 2391-2968psi

WOB: 5.3-12.7 klb
RPM: 80-144
GPM: 995-1020
SPP: 2902-2987psi

2250

CLAYSTONE:brnsh gy,olv gy-olv blk,occ gnsh gy,v sft-sft,
disp,amor,occ sbblky,com glau,tr pyr nod,tr dissemin pyr

SANDSTONE:trnspr-trnsl qtz gr,lse,vf-crs,pred f,ang-sbang,
mod srt,tr pyr cmt,fr inf por,n shw

CLAYSTONE:brnsh gy,m lt gy,sft,amor,tr slt,tr pyr nod,tr
carb spk

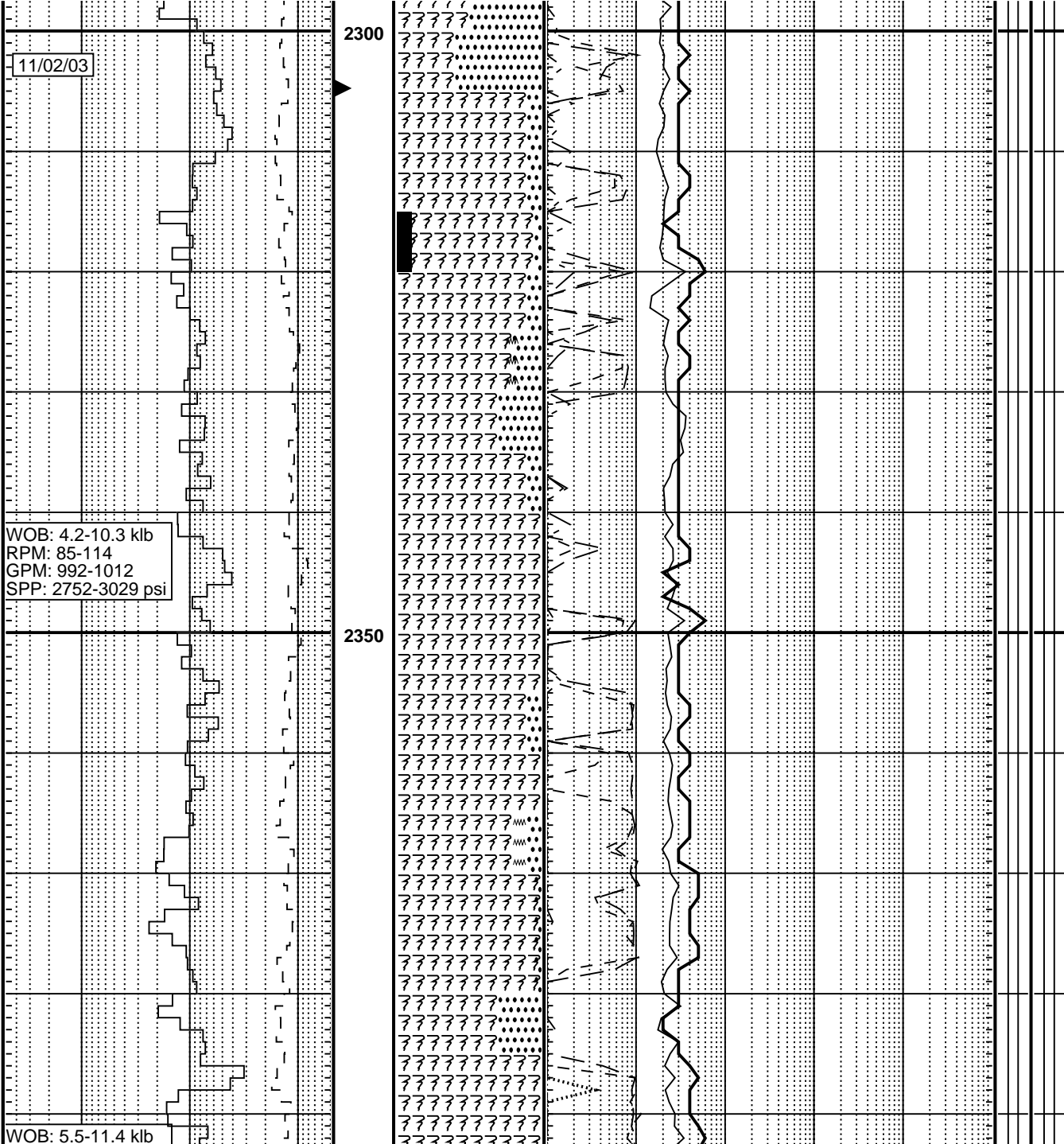
SANDSTONE:trnspr-trnsl qtz gr,lse,vf-crs,pred f,ang-sbang,
mod srt,tr pyr cmt,fr inf por,n shw

SANDSTONE:trnspr-trnsl qtz gr,lse,f-v crs,pred m,ang-
sbang,qtz ovgrh,pr srt,tr pyr cmt,fr inf por,n shw

COAL:brnsh blk-blk,frm-mod hd,ea lstr,sbang-ang

W 10.0 V 55 PV/YP 21/34
Gels 8/9 F 3.3 FC 1
Sol 6.5 Sd 0.35 pH 8.5
Cl 40.0k Ca 290 KCl 6.4%

SANDSTONE:trnsl,vf-f,pred vf,mod srt,sbang,wh mtx,n shw



CLAYSTONE:lt gy-m gy,occ brnsh gy,occ brnsh blk, v sft, sbbiky,amor,kao altn,tr glau

Ran carbide @ 2321m
Indicated hole size: 12.5"

SANDSTONE:lt gy,trnsp-trnsl qtz gr,vf-crs,pred f,sbang,fri, abd wh kao arg mtx,tr pyr nod,pr vis por,n shw

BOOST RISER @ 2347-2371m

CLAYSTONE:m gy-dk olv gy,occ wh,pred v sft,pred amor,tr qtz slt,tr nod pyr

W 10.0 V 53 PV/YP 21/35
Gels 8/10 F 3.4 FC 1
Sol 6.9 Sd 0.30 pH 9.0
Cl 42.0k Ca 240 KCl 5.8%

Survey (Gyro)
2365.40mMD
TVD: 2365.10m
Inc: 1.49 deg Az: 352.09 deg

CLAYSTONE:v lt gy,brnsh gy-brnsh blk,sft-frm,amor-sbbiky slty i/p,tr carb spk

SANDSTONE:trnsp-trnsl qtz gr,lse,occ hd agg,vf-crs,pred f-m,sbang,pr srt,qtz ovgh,tr pyr cmt,por inf por,n shw

FLC @ 2483m (static)

2450

CLAYSTONE:blk,v lt gy-wh,brnsh gy-brnsh blk,lt brnsh gy,v
sft-sft,occ frm,sbblky-blky,occ disp,tr pyr nod,occ carb lam,r

WOB: 7.0-11.1 klb
RPM: 74-132
GPM: 895-1030
SPP: 2874-3325 psi

2500

SILTSTONE:m lt gy,m gy,brnsh gy,sft-frn,blky,arg mtx,com
carb mat,tr pyr nod,abd qtz gr

SANDSTONE:wh-lt gy,trnsl qtz gr,fri,vf-crs,occ v crs,pred f,
sbrnd,mod srt,tr pyr cmt,abd wh kao mtx,pr vis por,n shw

CLAYSTONE:pl yelsh brn-dsky yelsh brn,sft,amor,tr slt,tr
carb spk

SANDSTONE:lt gy-lt brnsh gy,trnsp-trnsl qtz,lse,occ fri agg,
vf-f,pred vf,sbang-sbrnd,pr srt,kao mtx,pr inf por,n shw

WOB: 7.1-13.1 klb
RPM: 111-130
GPM: 1005-1015
SPP: 3018-3299 psi

2550

Survey (Gyro)
2568.10mMD
TVD: 2567.74m
Inc: 1.17 deg Az: 4.09 deg

CLAYSTONE:pl yelsh brn-dk yelsh brn,occ brnsh gy-brnsh
blk,sft,amor,tr carb spk,tr pyr nod

WOB: 0.5-19.5 klb

RPM: 69-121
GPM: 975-1018
SPP: 3104-3383 psi

13/02/03

14/02/03

NB#4 HUGHES MX20DDT 4 2.25"
Jets 3x20
In:2618m
Out:2933m
On Btm:69.1 hrs
4/7/BT/S/E/I/WT/TQ

WOB: 11.3-44.7 klb
RPM: 73-102
GPM: 768-1003
SPP: 2604-3773 psi

2600

2650

SANDSTONE:wh-v lt gy agg,sft-frm,vf-f qtz gr,mod-wl srt,
ang-sbrnd,kao mtx,occ wl cmt,pr vis por,tr pyr nod

W 10.4 V 50 PV/YP 50/21
Gels 8/9 F 2.9 FC 1
Sol 7.0 Sd 0.30 pH 8.7
Cl 41.0k Ca 250 KCl 6.20%

ALTERED VOLCANICS:lt brn,mod brn,mod dk gy,gysh rd,
sft-frm,arg alt,tr chlor,com kao,com hem

SANDSTONE:wh-lt gy,sft-frm,f-m,sbang-mod wl rnd,mod-w
srt,arg mtx,calc i/p,tr pyr nod,pr vis por

FLUORESCENCE (2627-2635m):80% mod brt wh fluor w/
brt spt,v slow blooming wh cut thn r/r,pr fluor 2630-2635m,
calc cmt min fluor

W 10.35 V 53 PV/YP 53/21
Gels 8/9 F 3.0 FC 1
Sol 7.5 Sd 0.40 pH 9.0
Cl 40.0k Ca 160 KCl 6.20%

ALTERED VOLCANICS:blk,gnsht gy-dk gnsht gy,lt olv gy,
gysh rd,wh,v lt gy,occ gysh gn,occ dsky gn,frm-v hd,amor-
sbang,com chlor alt,com hem alt,tr sil

WOB: 39.5-48.8 klb
RPM: 80-100
GPM: 811-876
SPP: 2870-3192 psi

15/02/03

WOB: 30.1-49.4 klb
RPM: 77-107
GPM: 793-881
SPP: 2812-3143 psi

2700

2750

ALTERED VOLCANICS:gnsh gy-dk gnsh gy,lt gy,occ mod
rd,frm-v hd,pred hd,amor-sbang,tr kao mtx

W 10.30 V 52 PV/YP 26/28
Gels 8/10 F 3.3 FC 1
Sol 7.8 Sd 0.25 pH 9.5
Cl 34.5k Ca 80 KCl 6.00%

CLAYSTONE:mod brn,sft,sblky-blky,tr carb mat,tr qtz gr,
poss VOLCANICLASTIC

ALTERED VOLCANICS:gysh brn,wh,gysh gn,gysh blk,lt brn
sft-mod hd,sbang,r chlor alt,com kao mtx,pred tuff

W 10.35 V 54 PV/YP 20/35
Gels 8/8 F 2.8 FC 1
Sol 7.7 Sd 0.30 pH 9.2
Cl 40.0k Ca 160 KCl 6.40%

SANDSTONE:lt gy-m dk gy,dk gy,wh,pred lse qtz gr,f-m,
ang-sbrnd,mod wl srt,occ agg w/ pyr cmt,occ calc cmt,calc
g/t arg mtx,pr vis por,n shw

Survey (Gyro)
2742.10mMD
TVD: 2741.70m
Inc: 1.26 deg Az: 336.84 deg

SANDSTONE:v lt gy-lt gy,trnsp-trnsl qtz gr,pred lse,com v
hd agg,vf-v crs,pred f-m,sbang,pr srt,calc cmt,tr pyr cmt,pr
vis por,n shw

CLAYSTONE:dsy yelsh brn,brnsh blk,blk,sft-frn,sbfiss,
com carb mat,arg,g/t SILTSTONE
SILTSTONE:gysh brn,sft,occ mod hd,carb mat,dissem qtz

WOB: 42.9-49.7 klb
RPM: 93-103.
GPM: 797-825
SPP: 2775-3031 psi

2850

FLC @ 2868m (static)

WOB: 43.8-53.6 klb
RPM: 80-106.
GPM: 751-823
SPP: 2621-3047 psi

FLC @ 2912m (static)

17/02/03

NB#5 HUGHES MX20DX-12.26
Jets 3x18
In:2933m
Out:3174m
On Btm:69.3 hrs
3/7/BT/S/E/2/RG/TD

18/02/03

FLC @ 2933m (static)

FLC @ 2941m (static)

FLC @ 2947m (static)

2900

2950



SANDSTONE:trnspl-trnspl qtz,vf-m,pred f,lse,sbang,mod srt,abd frac gr,tr nod pyr,fr inf por,n shw

FLUORESCENCE (Spot @ 2888m):tr dll yel,spty,slw bleeding cut,mod r/r,assoc w/ ti SANDSTONE agg w/ cly mtx

CLAYSTONE (Spot @ 2912m):pl brn-gysh brn,gysh or pk,vsft-sft,occ frm,sbblky-blky,occ amor,occ sbfiss,comm carb mat,tr pyr nod,tr qtz-pyr vn frag,g/t SILTSTONE

W 10.35 V 60 PV/YP 23/39
Gels 8/9 F 2.8 FC 1
Sol 7.5 Sd 0.20 pH 9.20
Cl 38.0k Ca 150 KCl 6.50%

SILTY CLAYSTONE:pl brn-pl yel brn,occ lt brn,sft - occ frm,sbblky-amor,tr-r qtz slt,tr-r blk carb spk,g/t SILTSTONE i/p

SANDSTONE:wh-v lt gy,trnspl-trnspl qtz gr,pred lse,occ v hd agg,f- v crs,pred m,sbang,abd frac gr,pr srt,com sil cmt,tr pyr cmt,tr calc cmt,pr vis por,fr inf por,n show

Survey (MWD)
2964.10mMD
TVD: 2963.66m
Inc: 1.45 deg Az: 327.72 deg

COAL:blk,mod hd-hd,ea-vit lstr,sbang-ang

WOB: 6.1-53.2 klb
RPM: 33-112.
GPM: 808-848
SPP: 3002-3662 psi

19/02/03

WOB: 38.4-55.0 klb
RPM: 84-133.
GPM: 802-833
SPP: 3381-3621 psi

3000

3050

CLAYSTONE:v lt-m gy,mod brn-gysh brn,v sft-frm,sbblky-amor

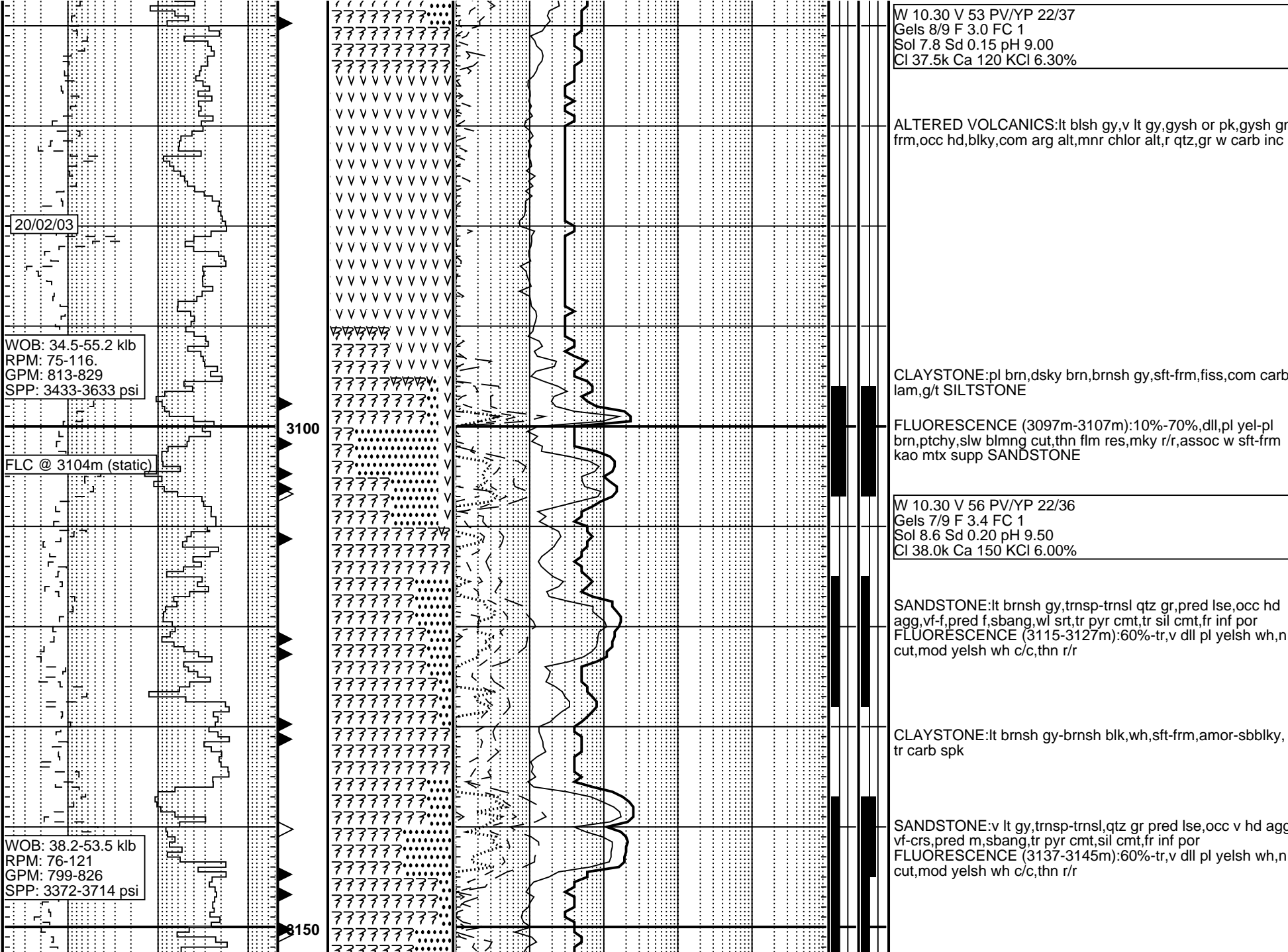
W 10.30 V 56 PV/YP 22/39
Gels 8/9 F 2.8 FC 1
Sol 8.2 Sd 0.30 pH 9.30
Cl 38.0k Ca 90 KCl 6.00%

SANDSTONE:v lt gy,wh,trnsp-trnsl,occ fros,mod wl srt,r wk sil cmt agg,fr vis por,tr lit gr
FLUORESCENCE (2993m):mod yel-wh,mod blmg cut,mod gn-yel r/r,assoc w/ l por sd agg

CLAYSTONE:v lt gy-lt gy,brnsh gy,brnsh blk,sft-mod hd,slt p,blky,occ fiss,com carb lam

SANDSTONE:pred trnsp,occ trnsl,lse qtz gr,abd aggs: wh-v lt gy,sft-frm,vf-f,sbang-sbrnd,mod wl srt,kao mtx,pr cmt,pr vis por,tr pyr,tr carb spk
FLUORESCENCE (3026-3030m):70% mod bri wh-yelsh wh uni fluor w/bri yel sptd fluor,v slw blooming wh cut,thn r/r

CLAYSTONE:dk yelsh brn,lt brn,wh- v lt gy,sft,amor,slty i/p, tr pyr nod,tr carb spk



21/02/03

TD @ 3174mMD (Tide corrected)
09:45hrs on 22/02/03

3200

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SANDSTONE:trnsp-trnsl lse gr,m lt gy-m gy agg,sit-mod h
pred vf-f,occ crs,sbrnd-rnd,occ ang,mod srt,tr wk-occ stg sil
cmt,tr dol cmt,pr vis por,tr lit frag,tr pyr nod

FLUORESCENCE (3150-3161m):70%,decr to 10%,v dll yel
fluor,sptty on lse gr,solid on kao agg,nil cut,v fnt c/c,thn
sptty yel-wh r/r

CLAYSTONE:lt brnsh gy-brnsh gy,wh-v lt gy,sft,occ frm,
amor,occ sbblky,slty i/p,tr carb spk

RUN E-LOGS :
PEX-HALS-HNGS-LEHQT
MDT-GR-LEHQT
DSI-FMI-GR-LEHQT
DUAL CSAT-VSP
CST's

RATE OF PENETRATION		CUTTINGS LITHOLOGY	CHROMATOGRAPH & TOTAL GAS						DIRECT FLUORESCENCE	CUT FLUORESCENCE	REMARKS		
WOB (klbs)			Methane										
ROP (m/hr)			Ethane										
			Propane										
			I-Butanes										
			N-Butanes										
			Pentanes (ppm)										
		0.001		0.01		0.1		1		10		100	
		Total Gas (%)		1%TG = 50Units									
		0.001		0.01		0.1		1		10		100	