



# FORMATION EVALUATION LOG

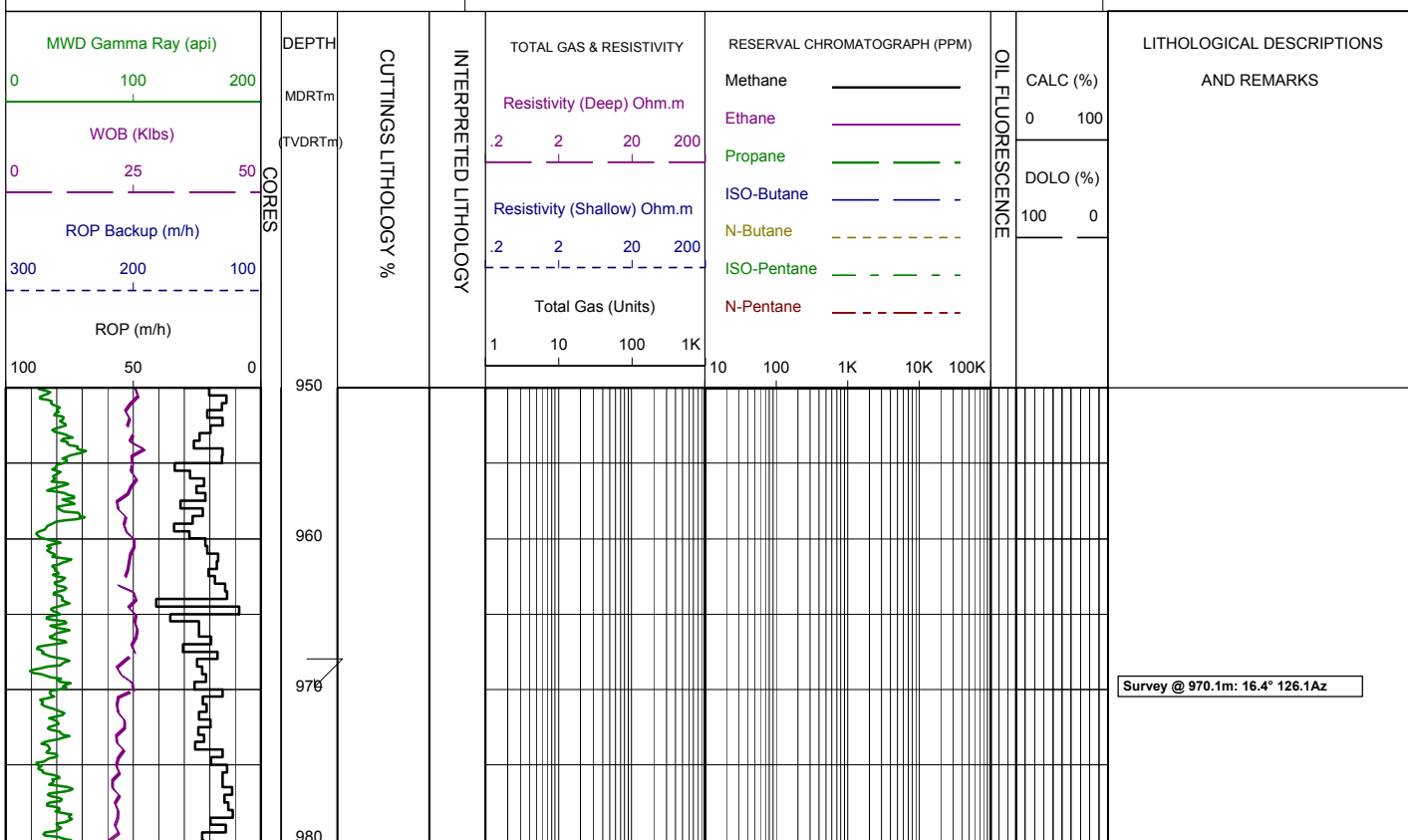


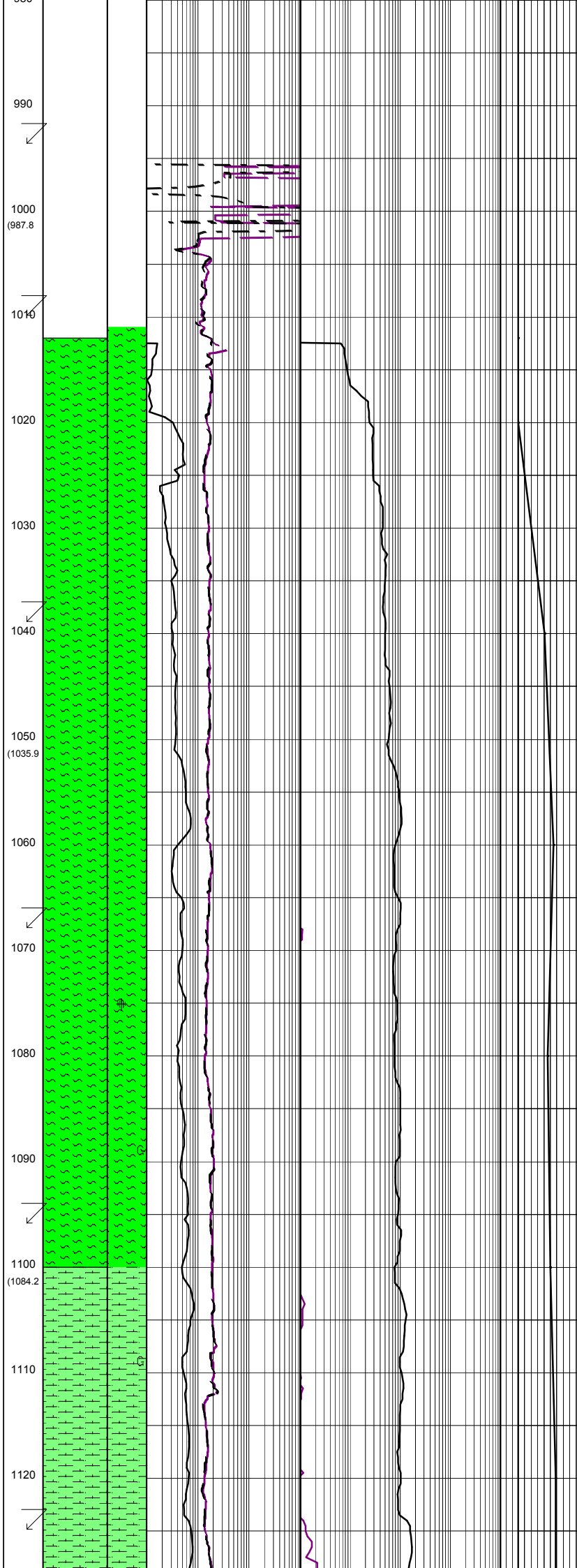
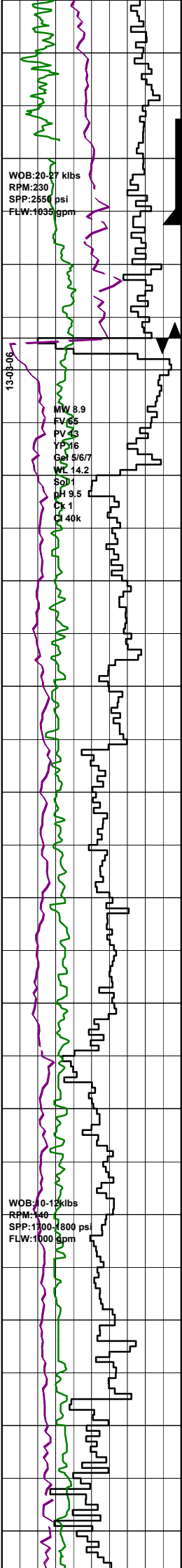
## WELL : BASKER-5

FROM (m): 950 TO (m): 2540 SCALE: 1/ 500

Country : AUSTRALIA	<b>POSITION</b> Latitude : 38°17'59.31"S	<b>HOLE / CASING INFO</b> 17 1/2" Hole to (mMDRT) : 1012m	Spud Date : 26-02-2006
Basin : GIPPSLAND	Longitude : 148°42'23.80"E	12 1/4" Hole to (mMDRT) : xxxm	Total Depth Date : xx-xx-2006
Field : BASKER	UTM Co-ord X (m E) : 650106.2	8 1/2" Hole to (mMDRT) : 3357m	Total Depth (mRT) : 3357m
Permit : VIC/L26	UTM Co-ord Y (m N) : 5761989.6	13 3/8" Shoe at (mMDRT) : 1001.3m	T.V.D. (mSS MSL) : 3072m
Well Type : DEVELOPMENT	RT-LAT (m) : 21.5	9 5/8" Shoe at (mMDRT) : xxx.xm	Status :
Rig Name : OCEAN PATRIOT	RT-Seabed (m) : 175.1	7" Shoe at (mMDRT) : xxxm	

<p><b>ABBREVIATIONS</b></p> <p>MW MUD WEIGHT NB NEW BIT          FV FUNNEL VISCOSITY RR RERUN BIT          PV PLASTIC VISCOSITY CB CORE BIT          YP YIELD POINT WOB WEIGHT ON BIT          FC FILTER CAKE RPM REVS PER MINUTE          SOL SOLIDS FLC FLOW CHECK          WL FILTRATE CR CIRCULATE RETURNS          SD SAND - % PR POOR RETURNS          S SALINITY - PPM NR NO RETURNS          RM MUD RESISTIVITY BG BACKGROUND GAS          RMF MUD FILTRATE TG TRIP GAS          C CARBIDE TEST STG SHORT TRIP GAS          LAT LOGGED AFTER TRIP CG CONNECTION GAS          DS DEVIATION SURVEY SG SWAB GAS          SVG SURVEY GAS</p>	<p><b>LITHOLOGY LEGEND</b></p> <table border="0"> <tr> <td></td> <td>Claystone</td> <td></td> <td>Limestone</td> <td></td> <td>Brachiopoda</td> </tr> <tr> <td></td> <td>Siltstone</td> <td></td> <td>Dolomite</td> <td></td> <td>Cement</td> </tr> <tr> <td></td> <td>ar. Silt ar</td> <td></td> <td>Coal</td> <td></td> <td>Sponges</td> </tr> <tr> <td></td> <td>Fine SST</td> <td></td> <td>Gypsum</td> <td></td> <td>Glauconite</td> </tr> <tr> <td></td> <td>Medium SST</td> <td></td> <td>Lithic Fragment</td> <td></td> <td>Pyrite</td> </tr> <tr> <td></td> <td>Coarse SST</td> <td></td> <td>Foraminifera</td> <td></td> <td>Iron Minerals</td> </tr> <tr> <td></td> <td>Marl</td> <td></td> <td>Fossils</td> <td></td> <td>Mica</td> </tr> <tr> <td></td> <td>Clay, Limestone</td> <td></td> <td>Bryozoa</td> <td></td> <td>Carb Fragments</td> </tr> </table>		Claystone		Limestone		Brachiopoda		Siltstone		Dolomite		Cement		ar. Silt ar		Coal		Sponges		Fine SST		Gypsum		Glauconite		Medium SST		Lithic Fragment		Pyrite		Coarse SST		Foraminifera		Iron Minerals		Marl		Fossils		Mica		Clay, Limestone		Bryozoa		Carb Fragments	<p><b>ENGINEERING LEGEND</b></p> <table border="0"> <tr> <td></td> <td>Shoe</td> <td></td> <td>FIT</td> </tr> <tr> <td></td> <td>Mud loss</td> <td></td> <td>Mud gain</td> </tr> <tr> <td></td> <td>Deviation survey</td> <td></td> <td></td> </tr> <tr> <td></td> <td>DST</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Test</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Sidewall Core</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Core</td> <td></td> <td></td> </tr> <tr> <td></td> <td>RFT</td> <td></td> <td></td> </tr> </table>		Shoe		FIT		Mud loss		Mud gain		Deviation survey				DST				Test				Sidewall Core				Core				RFT		
	Claystone		Limestone		Brachiopoda																																																																													
	Siltstone		Dolomite		Cement																																																																													
	ar. Silt ar		Coal		Sponges																																																																													
	Fine SST		Gypsum		Glauconite																																																																													
	Medium SST		Lithic Fragment		Pyrite																																																																													
	Coarse SST		Foraminifera		Iron Minerals																																																																													
	Marl		Fossils		Mica																																																																													
	Clay, Limestone		Bryozoa		Carb Fragments																																																																													
	Shoe		FIT																																																																															
	Mud loss		Mud gain																																																																															
	Deviation survey																																																																																	
	DST																																																																																	
	Test																																																																																	
	Sidewall Core																																																																																	
	Core																																																																																	
	RFT																																																																																	





Survey @ 993.7m: 16.4° 125.0Az

13 3/8" Casing Shoe set @  
1001.3 mMDRT (989.1 mTVD)

Survey @ 1009.9m: 16.38° 124.4Az

Bit#: Reed Hycalog RSX616  
SIZE: 311mm (12.25")  
JETS: 6x20  
IN: 1012m OUT: xxxm  
RUN: m HRS:  
COND:

KCL/PHPA/GLYCOL Mud System

FIT @ 1015m EMW=15.1ppg

MARL: cement contamination

Survey @ 1038.7m: 15.73° 124.2Az

MARL: lt olv gry-grn/lt gry, occ cal, sft-v sft, occ disp, blk-y-sbbkly.

Survey @ 1067.4m: 14.89° 123.4Az

MARL: lt olv gry-v lt gry, abdt cal, sft-v sft, occ disp, blk-y-sbbkly, occ amor.

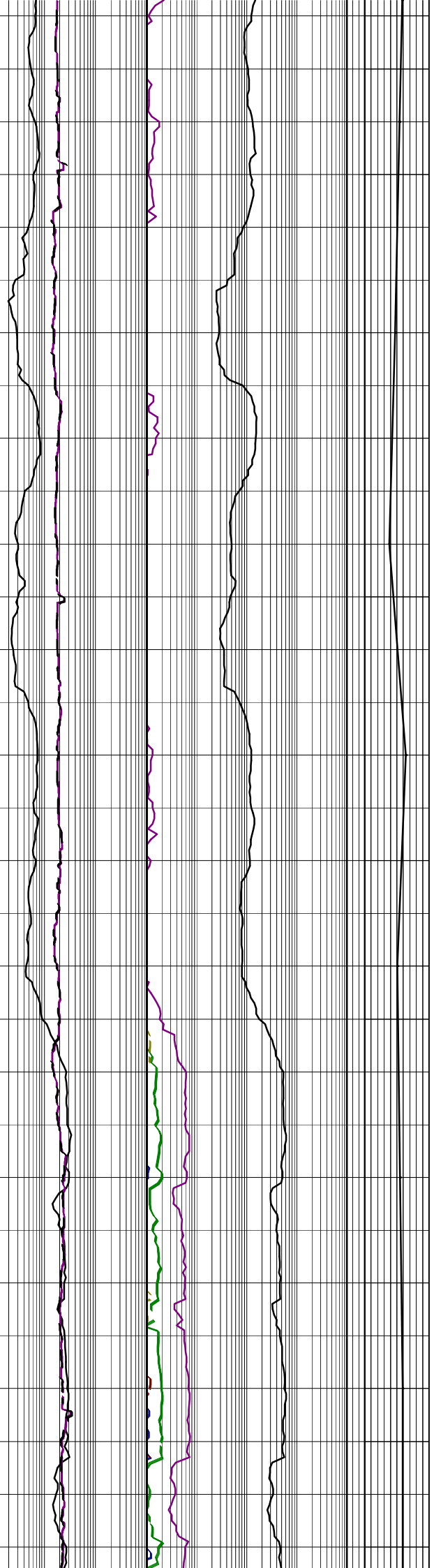
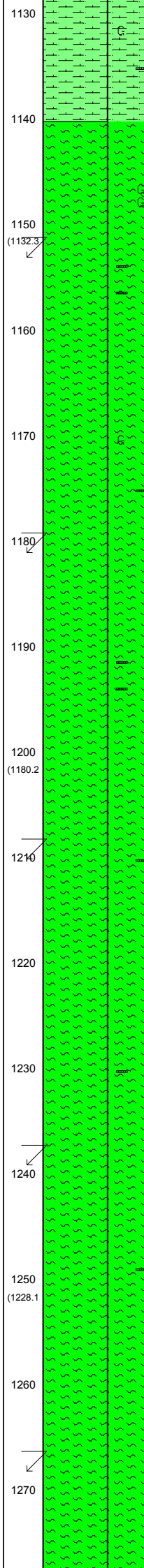
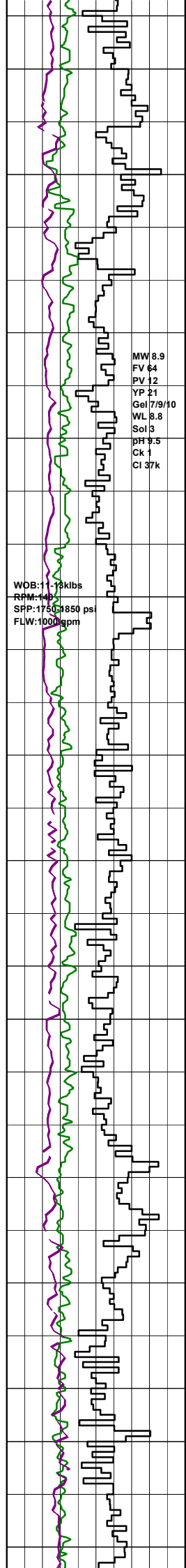
MARL: lt olv gry-v lt gry, tr pyr nod, tr glauc, abdt cal, sft-v sft, occ disp, blk-y-sbbkly, occ amor.

Survey @ 1096.0m: 14.75° 126.9Az

MARL: lt olv gry-v lt gry, tr glauc, abdt cal, sft-v sft, occ disp, blk-y-sbbkly, occ amor.

ARGILLACEOUS LIMESTONE: lt olv gry-v lt gry, tr off wh, tr glauc, abdt cal, sft-mod hd, occ disp, blk-y-sbbkly, occ amor.

Survey @ 1124.5m: 16.40° 134.6Az



ARGILLACEOUS LIMESTONE:lt olv gry-v lt gry,tr off wh,tr glauc, abdt cal,tr carb spks,sft-mod hd, occ disp,blky-sbbiky,occ amor.

Survey @ 1152.9m: 16.23° 138.2Az

MARL:lt olv gry-v lt gry, tr off wh,tr glauc,abdt cal, tr carb spks & lams,sft-mod hd, occ disp,blky-sbbiky,occ amor.

MARL:lt olv gry-v lt gry, tr glauc,abdt cal,tr carb spks sft-mod hd,occ disp,blky-sbbiky, occ amor.

Survey @ 1181.5m: 16.73° 135.9Az

MARL:yel gry-lt olv gry, abdt cal,tr carb spks,sft-mod hd, occ disp,blky-sbbiky,occ amor.

Survey @ 1210.2m: 17.58° 133.9Az

MARL:yel gry-lt olv gry, abdt cal,tr carb spks,sft-mod hd, occ disp,blky-sbbiky,occ amor.

Survey @ 1238.9m: 16.59° 132.1Az

MARL:yel gry-lt olv gry, abdt cal,tr carb spks,sft-mod hd, tr hd,occ disp,blky-sbbiky, occ amor.

MARL:yel gry-lt olv gry, abdt cal,tr carb spks,sft-mod hd, occ disp,blky-sbbiky,occ amor.

Survey @ 1267.8m: 16.05° 130.2Az

MARL:lt olv gry,occ yel/gry, slty,tr micmic,tr glauc,tr carb

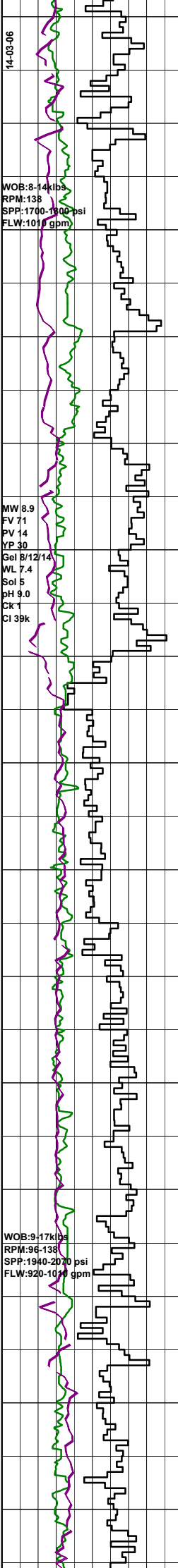
spks,rr pyr,sft-fm,occas mod hd,  
blky-sbbiky.

14-03-06

WOB:8-14k lbs  
RPM:138  
SPP:1700-1800 psi  
FLW:1010 gpm

MW 8.9  
FV 71  
PV 14  
YP 30  
Gel 8/12/14  
WL 7.4  
Sol 5  
pH 9.0  
CK 1  
Cl 39k

WOB:9-17k lbs  
RPM:96-138  
SPP:1940-2070 psi  
FLW:920-1030 gpm



1280  
1290  
1300 (1276.1)  
1310  
1320  
1330  
1340  
1350 (1324)  
1360  
1370  
1380  
1390  
1400 (1372.1)  
1410  
1420

Survey @ 1296.6m: 15.90° 127.4Az

MARL:lt olv gry,tr olv gry,  
rr yel/gry,50-60% calc g/t  
ARG LMST,rr-tr glauc,rr pyr,  
pred sft-fm,occas hd-mod hd,  
blky-sbbiky.

Survey @ 1325.6m: 16.69° 125.2Az

LMST:dk olv gry,rr carb spks,  
cryxin,hd,blky.

MARL:lt olv gry,tr olv gry,  
rr yel/gry,50-60% calc g/t  
ARG LMST,rr-tr glauc,rr pyr,  
pred sft-fm,occas hd-mod hd,  
blky-sbbiky.

Survey @ 1354.3m: 16.66° 125.5Az

MARL:lt olv gry,tr olv gry,  
rr yel/gry,50-60% calc g/t  
ARG LMST,rr-tr glauc,rr pyr,  
pred sft-fm,occas hd-mod hd,  
blky-sbbiky.

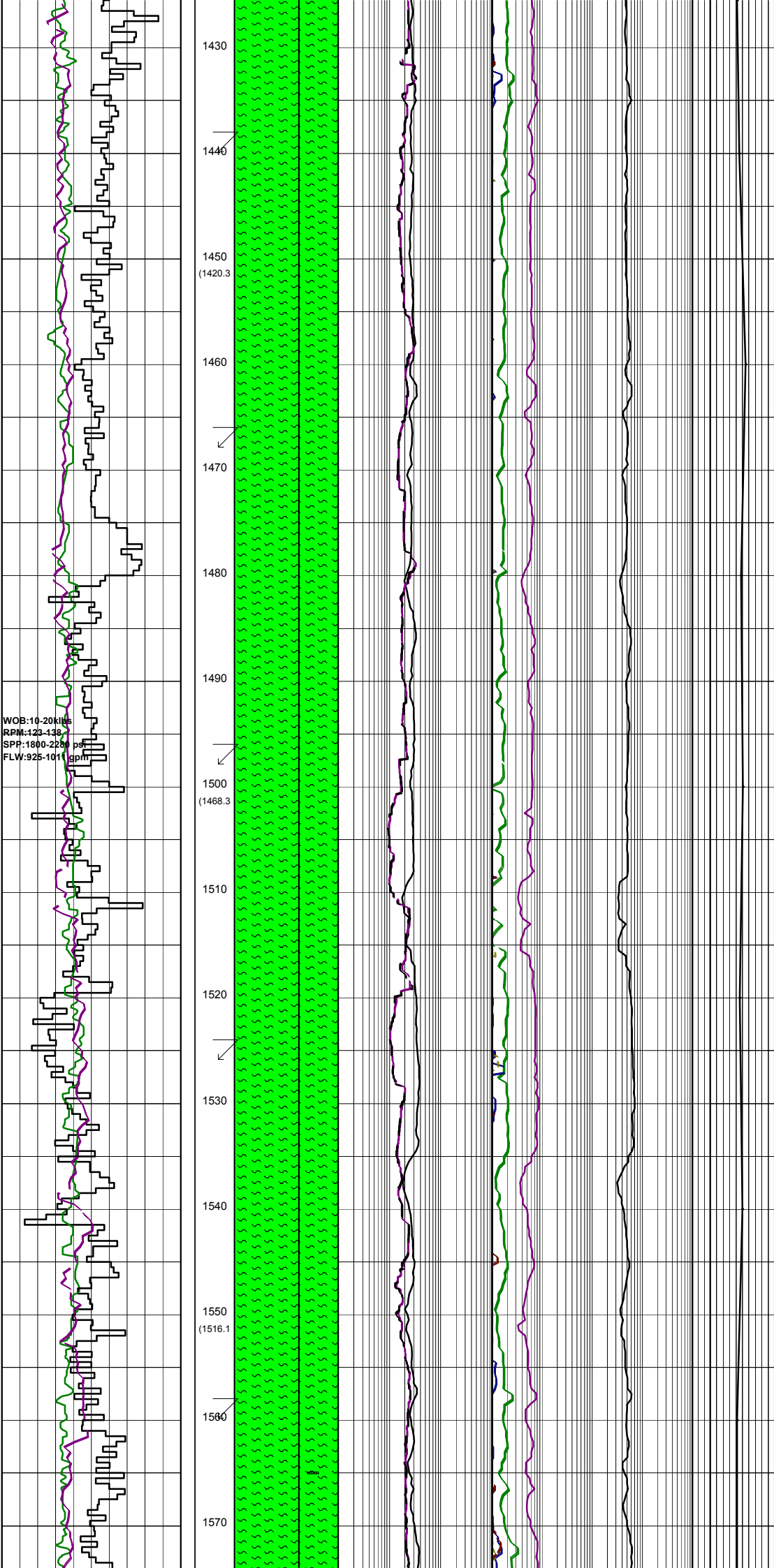
Survey @ 1382.9m: 16.08° 125.5Az

MARL:lt olv gry-olv gry,  
rr-tr glauc,tr carb spks,  
pred sft-fm,occas hd-mod hd,  
blky-sbbiky.

Survey @ 1411.5m: 15.13° 125.3Az

MARL:lt olv gry-olv gry,  
rr-tr glauc,tr carb spks,  
pred sft-fm,occas hd-mod hd,  
blky-sbbiky.

pred sft frm, occ hd-mod hd, biky-sbbiky.

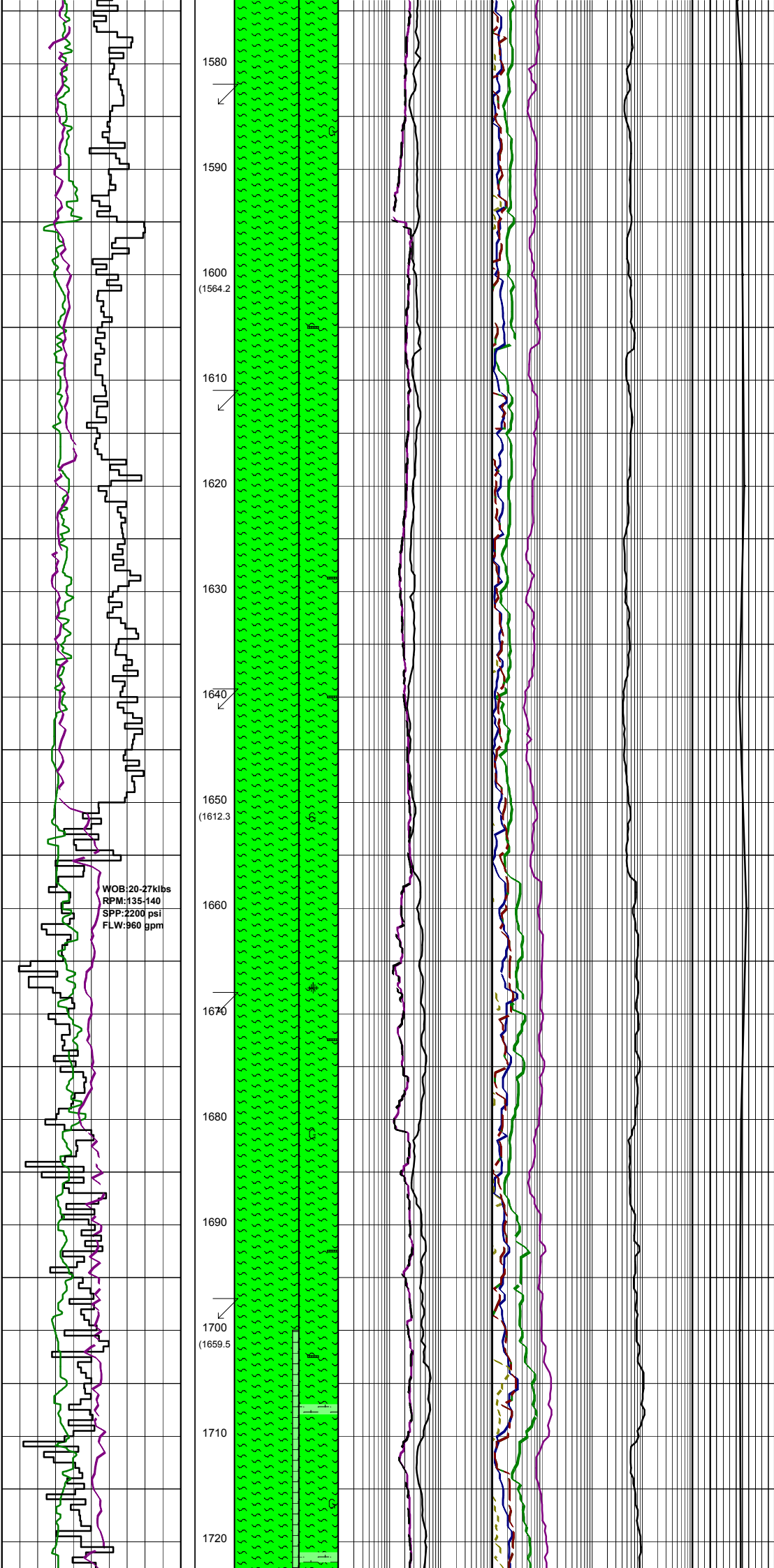


MARL: it olv gry-olv gry, rr-tr glauc, tr carb spks, pred sft frm, occ hd-mod hd, biky-sbbiky.

MARL: it olv gry-olv gry, rr-tr glauc, tr carb spks, pred sft frm, occ hd-mod hd, biky-sbbiky.

MARL: it olv gry-olv gry, rr-tr glauc, tr carb spks, pred sft frm, occ hd-mod hd, biky-sbbiky.

MARL: it olv gry-olv gry, tr med dk gry, rr-tr glauc, tr carb spks, tr fg pyr, pred sft frm, occ hd-mod hd, biky-sbbiky.



WOB: 20-27 klbs  
 RPM: 135-140  
 SPP: 2200 psi  
 FLW: 960 bpm

MARL: olv gry-lt olv gry,  
 mnr glauc, tr carb spks, occ cal,  
 sft-mod hd, sbblky-sbfiss.

Survey @ 1583.6m: 15.73° 126.9Az

MARL: lt olv gry-olv gry,  
 tr glauc, tr carb spks, occ cal,  
 sft-mod hd, sbblky-blky, tr sbfiss.

Survey @ 1612.6m: 15.44° 127.7Az

MARL: lt olv gry-olv gry,  
 tr glauc, tr carb spks, occ cal,  
 sft-mod hd, blky-sbfiss.

MARL: lt olv gry-olv gry,  
 tr carb spks, occ cal,  
 sft-mod hd, blky-sbfiss.

Survey @ 1641.5m: 15.65° 129.6Az

MARL: lt olv gry-olv gry,  
 tr carb spks, tr glauc, occ cal,  
 sft-mod hd, blky-sbfiss.

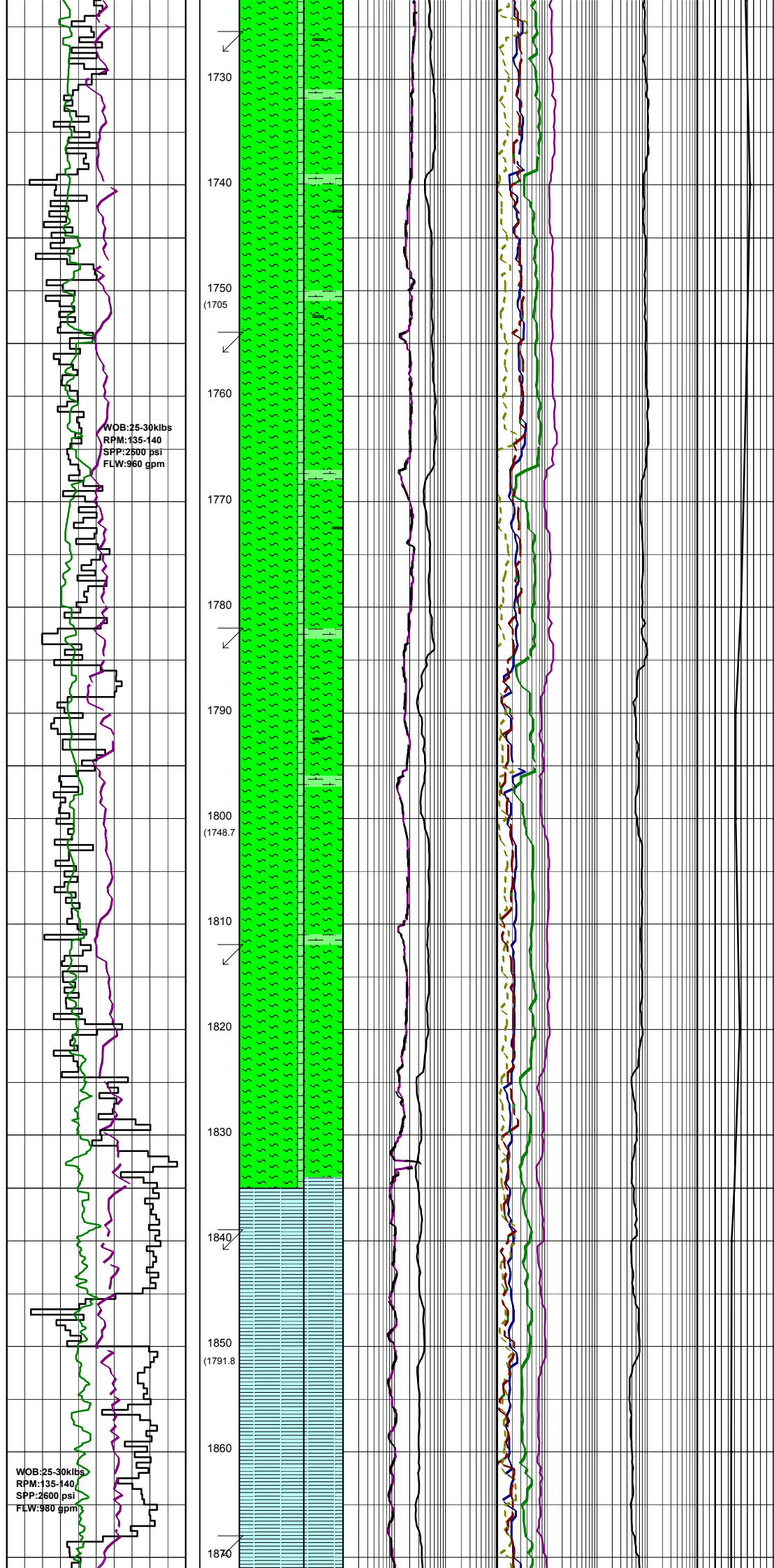
Survey @ 1670.4m: 18.62° 132.0Az

MARL: lt olv gry-olv gry,  
 tr carb spks, tr dissem pyr, occ cal,  
 sft-mod hd, blky-sbblky.

Survey @ 1698.9m: 22.12° 132.7Az

MARL: lt olv gry-olv gry,  
 tr carb spks, mnr glauc, occ cal,  
 sft-mod hd, blky-sbblky.

CALCARENITE: pl yel brn-lt gry,  
 vf grd to aren MARL, pr srt,  
 sbrnd-sbang, mod-wk calc cmt,  
 abdt gry brn stly mtx, mod hd-fri,  
 v pr vis por, no fluor.



WOB:25-30klbs  
 RPM:135-140  
 SPP:2500 psi  
 FLW:960 gpm

WOB:25-30klbs  
 RPM:135-140  
 SPP:2600 psi  
 FLW:980 gpm

Survey @ 1727.6m: 24.53° 134.2Az

MARL:lt olv gry-olv gry,  
 tr carb spks,occ cal,sft-mod hd,  
 blkly-sbbkly.

Survey @ 1756.3m: 27.33° 131.9Az

CALCARENITE:pl yel brn-lt gry,  
 vf grd to aren MARL,pr srt,  
 sbrnd-sbang,wk-mod hd calc cmt,  
 abdt gry brn slty mtx,fri-mod hd,  
 v pr vis por,no fluor.

MARL:lt olv gry-olv gry,  
 tr carb spks,occ cal,sft-mod hd,  
 blkly-sbfrss.

Survey @ 1784.5m: 30.34° 130.4Az

CALCARENITE:pl yel brn-lt gry,  
 vf grd to aren MARL,pr srt,  
 sbrnd-sbang,wk-occ hd calc cmt,  
 abdt gry brn slty mtx,fri-occ hd,  
 v pr vis por,no fluor.

MARL:lt olv gry-olv gry,  
 tr carb spks,occ cal,sft-mod hd,  
 blkly-sbbkly.

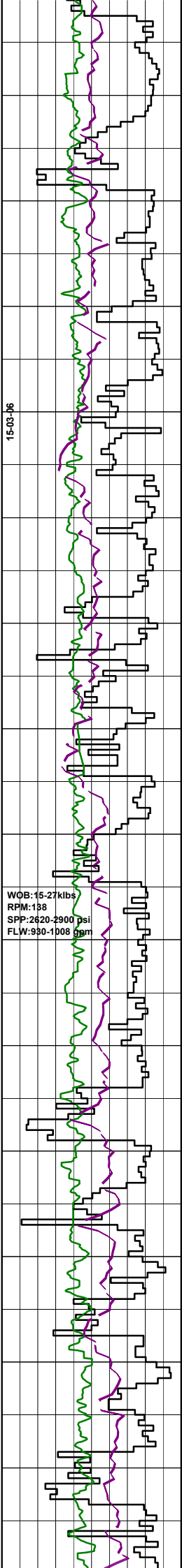
Survey @ 1813.1m: 30.05° 129.9Az

CALCAREOUS CLAYSTONE:med gry-  
 lt gry,occ cal,sft-frm,sbbkly.

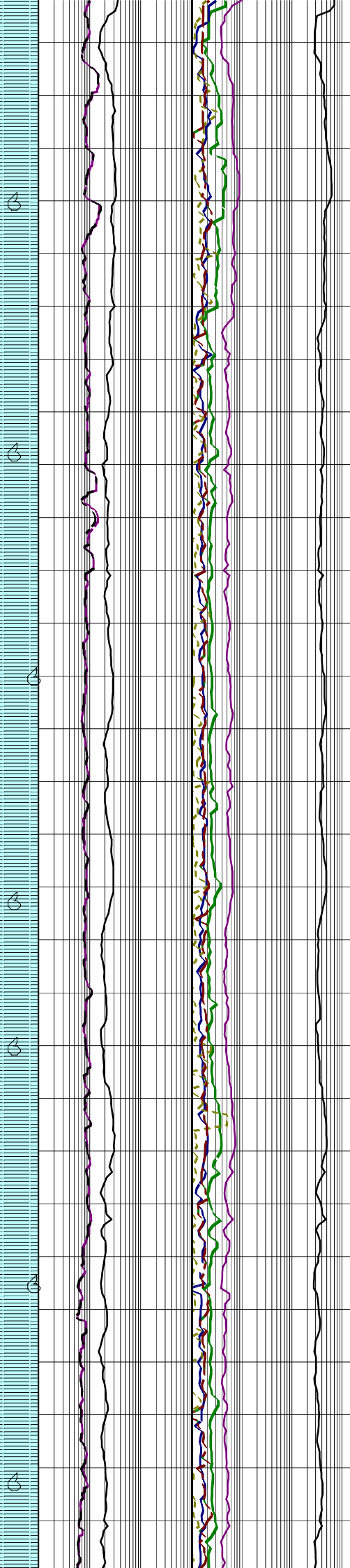
Survey @ 1841.5m: 31.13° 128.0Az

CALCAREOUS CLAYSTONE:med gry-  
 lt gry,occ cal,sft-frm,tr mod hd,  
 sbbkly.

Survey @ 1870.1m: 30.23° 126.9Az



1880  
1890  
1900  
(1835)  
1910  
1920  
1930  
1940  
1950  
(1878.3)  
1960  
1970  
1980  
1990  
2000  
(1921.7)  
2010  
2020



CALCAREOUS CLAYSTONE: med gry-  
lt gry, occ cal, frm-mod hd, occ sft,  
sbbiky.

Survey @ 1899.0m: 29.72° 125.9Az

CALCAREOUS CLAYSTONE: med  
dk gry-olv gry, tr silt, 25-30% calc,  
tr pyr, rr glauc, rr foss frag, tr cal,  
sft-frm, sbbiky, amor i/p,  
occ disp & w/out.

Survey @ 1927.8m: 30.28° 125.2Az

CALCAREOUS CLAYSTONE: med  
dk gry-olv gry, tr silt, 25-30% calc,  
tr pyr, rr glauc, rr foss frag, tr cal,  
sft-frm, sbbiky, amor i/p, occ disp  
& w/out.

Survey @ 1956.6m: 30.10° 124.8Az

CALCAREOUS CLAYSTONE: lt olv  
gry-olv gry, tr silt, 25-30% calc,  
tr pyr, rr glauc, abdt foss frag, occ  
cal, sft-frm, sbbiky, amor i/p,  
occ disp & w/out.

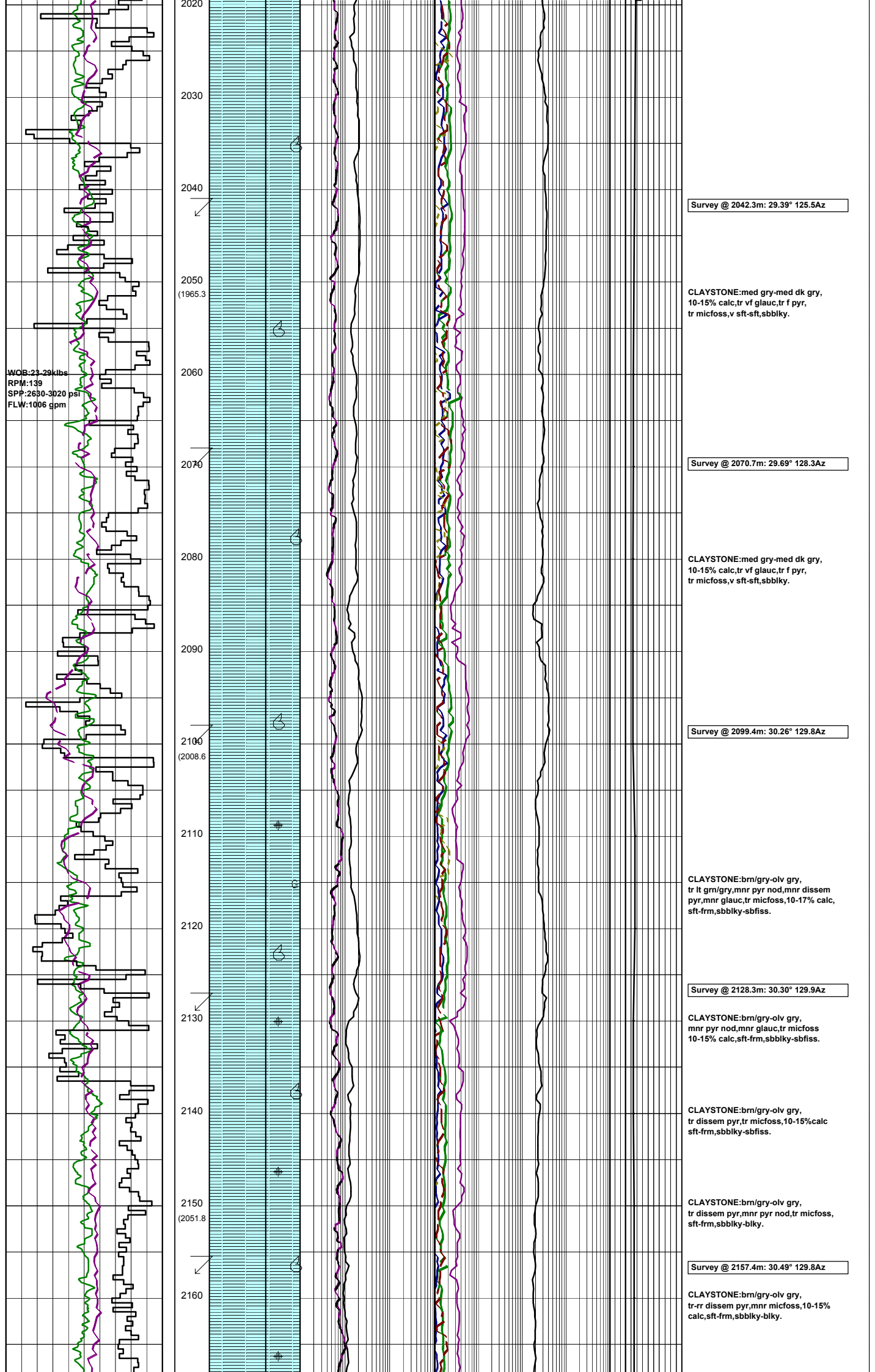
Survey @ 1985.4m: 29.42° 124.8Az

CALCAREOUS CLAYSTONE: lt olv  
gry-olv gry, tr silt, 25-30% calc,  
tr pyr, rr glauc, tr foss frag, occ  
cal, sft-frm, sbbiky, amor i/p,  
occ disp & w/out.

CLAYSTONE: lt olv gry-olv gry,  
tr silt, 15-20% calc, tr pyr,  
rr glauc, tr foss frag, occ  
cal, sft-frm, sbbiky, amor i/p,  
occ disp & w/out.

Survey @ 2013.9m: 29.37° 123.9Az





WOB:23.29 kbs  
 RPM:139  
 SPP:2630-3020 psi  
 FLW:1006 gpm

2020  
 2030  
 2040  
 2050  
 (1965.3)  
 2060  
 2070  
 2080  
 2090  
 2100  
 (2008.6)  
 2110  
 2120  
 2130  
 2140  
 2150  
 (2051.8)  
 2160

Survey @ 2042.3m: 29.39° 125.5Az

CLAYSTONE:med gry-med dk gry,  
 10-15% calc,tr vf glauc,tr f pyr,  
 tr micfoss,v sft-sft,sbbiky.

Survey @ 2070.7m: 29.69° 128.3Az

CLAYSTONE:med gry-med dk gry,  
 10-15% calc,tr vf glauc,tr f pyr,  
 tr micfoss,v sft-sft,sbbiky.

Survey @ 2099.4m: 30.26° 129.8Az

CLAYSTONE:brn/gry-olv gry,  
 tr lt grn/gry,mnr pyr nod,mnr dissem  
 pyr,mnr glauc,tr micfoss,10-17% calc,  
 sft-frm,sbbiky-sbfiss.

Survey @ 2128.3m: 30.30° 129.9Az

CLAYSTONE:brn/gry-olv gry,  
 mnr pyr nod,mnr glauc,tr micfoss  
 10-15% calc,sft-frm,sbbiky-sbfiss.

CLAYSTONE:brn/gry-olv gry,  
 tr dissem pyr,tr micfoss,10-15%calc  
 sft-frm,sbbiky-sbfiss.

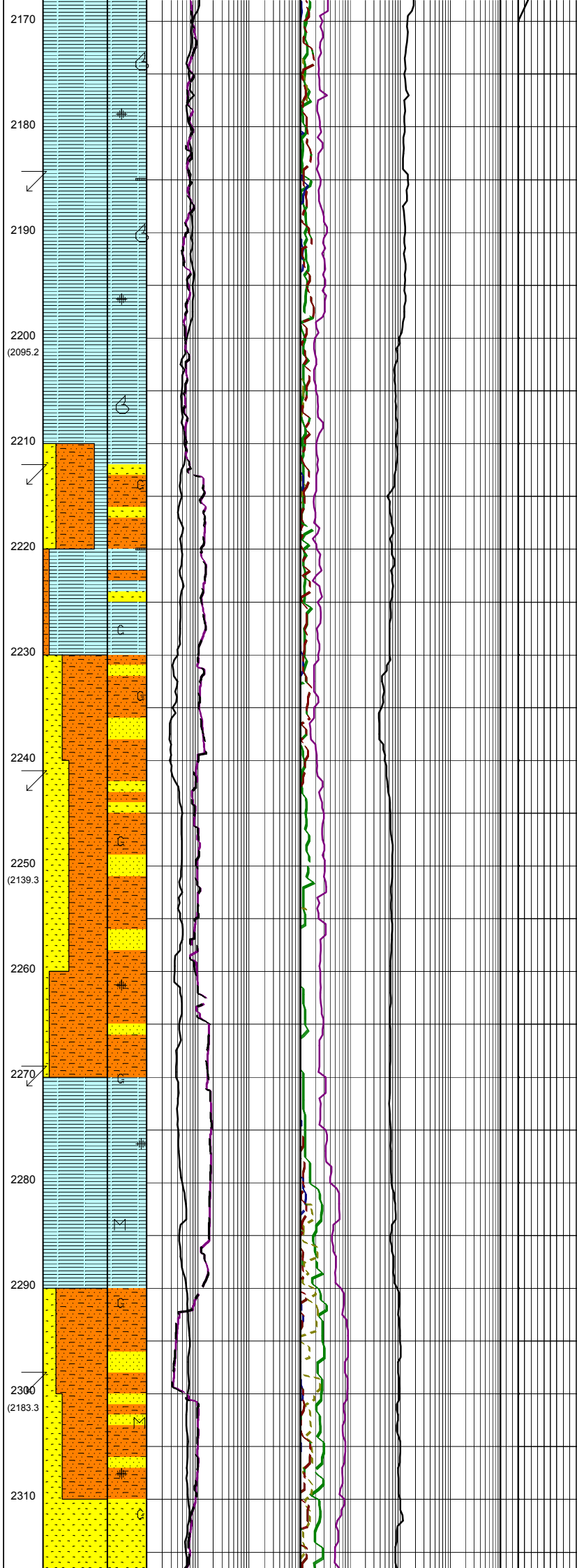
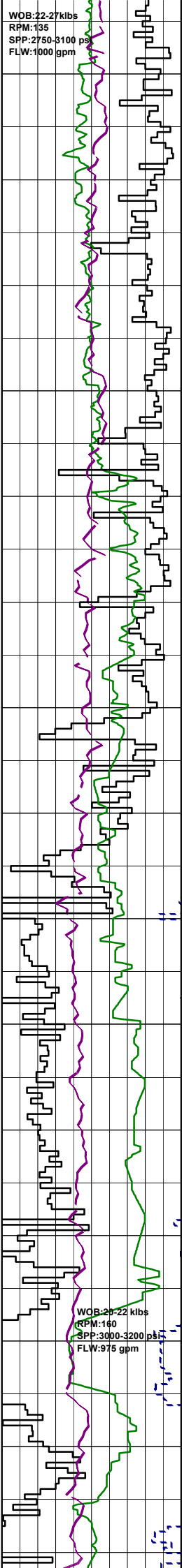
CLAYSTONE:brn/gry-olv gry,  
 tr dissem pyr,mnr pyr nod,tr micfoss,  
 sft-frm,sbbiky-blky.

Survey @ 2157.4m: 30.49° 129.8Az

CLAYSTONE:brn/gry-olv gry,  
 tr-rr dissem pyr,mnr micfoss,10-15%  
 calc,sft-frm,sbbiky-blky.

WOB:22-27kbs  
RPM:135  
SPP:2750-3100 psi  
FLW:1000 gpm

WOB:22-22 kbs  
RPM:160  
SPP:3000-3200 psi  
FLW:975 gpm



CLAYSTONE:brn/gry-olv gry,  
tr disse pyr,tr micfoss,tr  
carb spks,10-15%calc,sft-frm,  
sbbiky-blky.

CLAYSTONE:brn/gry-olv gry,  
tr disse pyr,tr pyr nod,tr  
micfoss,mnr carb spks,tr calc,  
sft-frm,sbbiky-sbfiss.

Survey @ 2186.1m: 29.68° 128.9Az

CLAYSTONE:brn/gry-olv gry,  
tr disse pyr,tr carb lams,  
mnr carb spks,tr calc,sft-frm,  
sbbiky-sbfiss.

CLAYSTONE:brn/gry-olv gry,  
tr disse pyr,tr carb spks,  
tr calc,tr micfoss,sft-frm,  
sbbiky-blky.

CLAYSTONE:brn/gry-olv gry,  
tr disse pyr,tr calc,tr  
micfoss,sft-frm,sbbiky-sbfiss  
tr blk.

Survey @ 2214.3m: 27.97° 129.8Az

SANDSTONE:clr-lt yel,crs-f,  
tr v crs,pr srt,sbrnd-sbang,tr ang,  
pr inf por,no fluor.

ARGILLACEOUS SILTSTONE:  
orgn brn-yel brn,tr calc,tr glauc,  
sft-frm,sbbiky-blky.

SILTY CLAYSTONE:orgn brn-  
yel brn,tr calc,tr glauc,tr carb  
spks,sft-v sft,occ disp,sbbiky-  
blky,occ amor.

ARGILLACEOUS SILTSTONE:  
grn/brn-gry/brn,com glauc,v sft-frm,  
occ disp,blky-sbbiky,occ amor.

Survey @ 2242.7m: 27.61° 129.6Az

SANDSTONE:clr-opq,med-vf,  
pr srt,sbang-sbrnd,com glauc,lse,  
pr inf por,no fluor.

ARGILLACEOUS SILTSTONE:  
grn/brn-gry/brn,com glauc,sft-disp,  
blky-amor.

ARGILLACEOUS SILTSTONE:  
grn/brn-gry/brn,com glauc,tr-rr disse  
pyr,sft-disp,blky-amor.

Survey @ 2271.4m: 28.48° 130.6Az

SILTY CLAYSTONE:grn/brn-gry/brn,  
com glauc,tr-rr disse pyr,  
sft-disp,blky-amor.

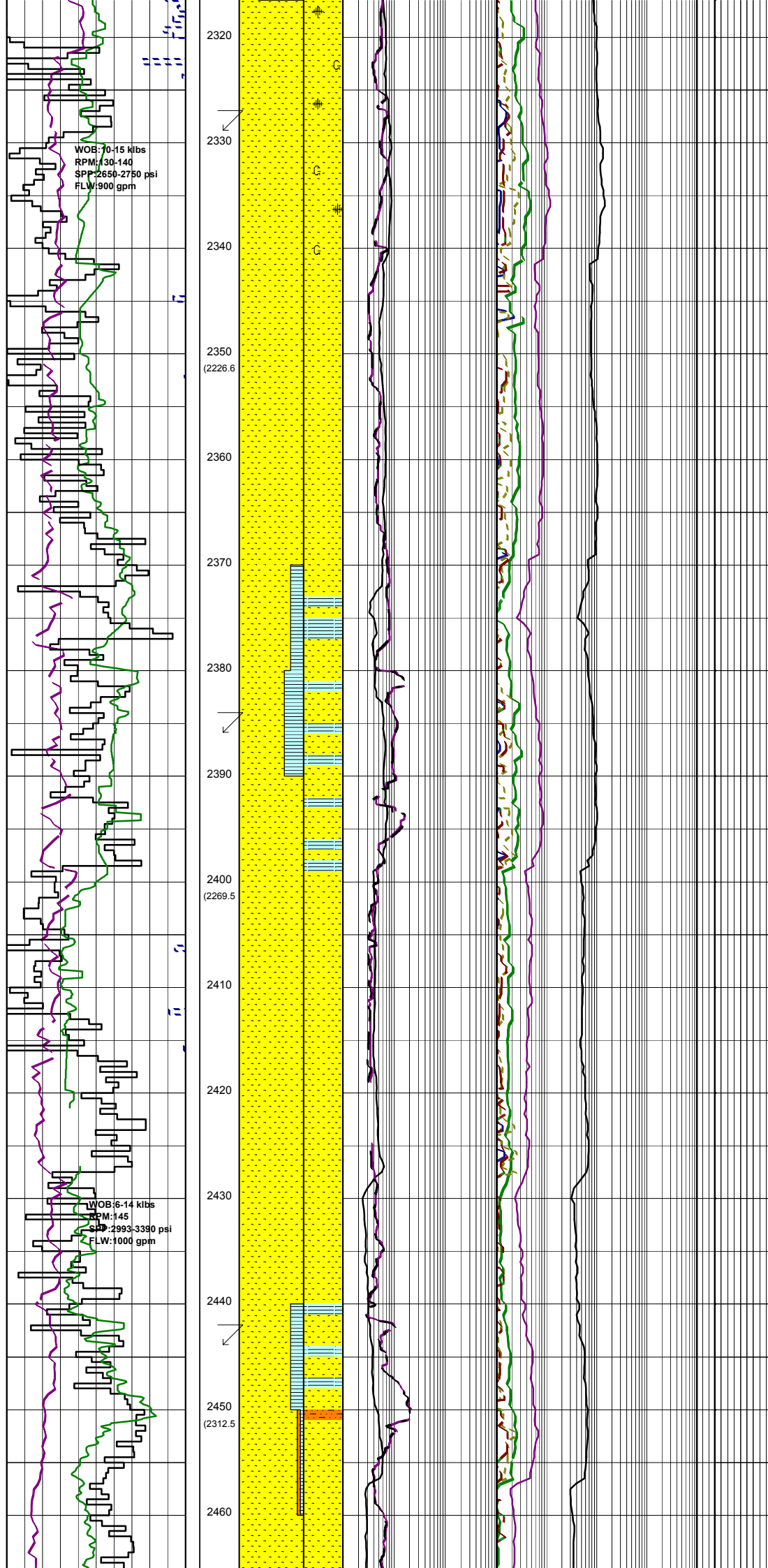
SILTY CLAYSTONE:grn/brn-gry/brn,  
com glauc,tr-rr disse pyr,tr micmic,  
sft-disp,blky-amor.

ARGILLACEOUS SILTSTONE:  
grn/brn-gry/brn,com glauc,tr-rr disse  
pyr,tr micmic,sft-disp,blky-amor.

Survey @ 2300.1m: 28.83° 130.5Az

SANDSTONE:clr-opq,vf-med,tr crs  
pr srt,ang-sbang,tr glauc,tr disse  
pyr,tr micmic,lse,pr inf por,  
no fluor.

SANDSTONE:clr-opq,med-vf,tr crs  
pr srt,ang-sbang,occ brn/gry silty mtx,  
tr glauc,tr disse pyr,tr micmic,lse,  
pr inf por no fluor.



SANDSTONE:clr-opq,med-vf,tr crs  
pr srt,ang-sbrnd,occ brn/gry slty mtx,  
tr glauc,tr disse pyr,lse,gd inf por,  
no fluor.

Survey @ 2328.7m: 30.10° 130.3Az

SANDSTONE:clr-opq,f-med,tr crs,  
tr vf,mod srt,ang-sbrnd,occ brn/gry  
slty mtx,tr glauc,tr disse pyr,lse,  
gd inf por,no fluor.

Survey @ 2357.5m: 31.19° 129.7Az

SANDSTONE:clr-trnsl,f-med,occ crs,  
mod srt,sbang-sbrnd,sph-sbsph,sil &  
pyr cmt,pred cl mtx,occ calc mtx,  
tr kao mtx,tr-com glauc,lse,gd inf  
por,no fluor

CLAYSTONE:med gry,occ brn/gry,  
com glauc,v sft,amor,partly w/out.

Survey @ 2386.4m: 30.97° 129.6Az

SANDSTONE:clr-trnsl,tr med dk gry-  
dk gry,pred crs-v crs,occ f-med,  
mod wl srt,sbang-sbrnd,sph-sbsph,tr  
sil & pyr cmt,tr kao mtx,tr glauc,  
lse,gd inf por,no fluor.

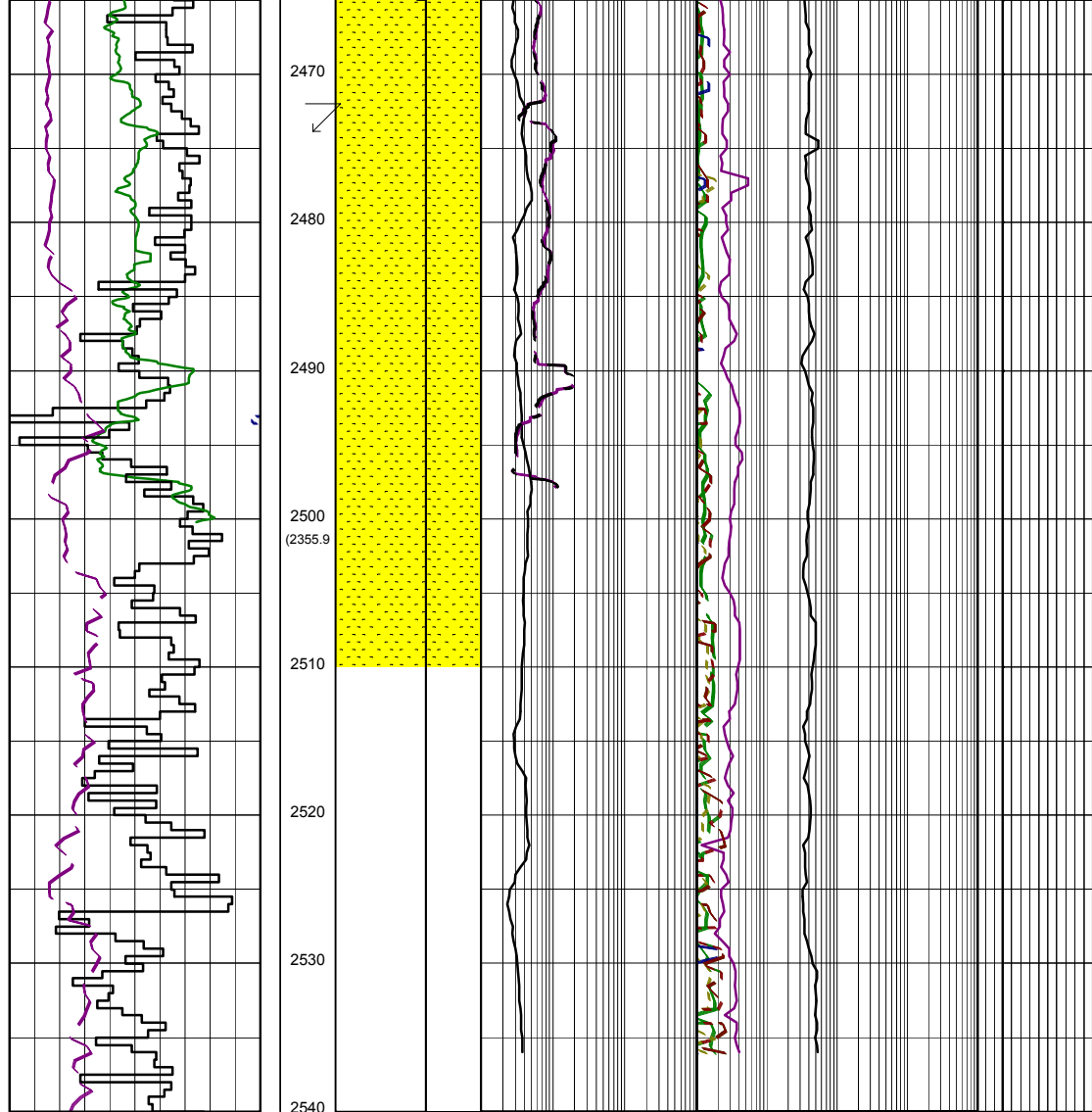
SANDSTONE:clr-trnsl,f-med,occ crs,  
mod srt,sbang-sbrnd,sph-sbsph,tr  
sil & pyr cmt,tr kao mtx,tr glauc,  
lse,gd inf por,no fluor.

Survey @ 2444.3m: 30.32° 129.7Az

SILTSTONE:brn/gry,tr carb spks,  
pred fri,occ frm-hd,blky-sbbkly.

CLAYSTONE:med dk gry,tr pyr,  
frm-hd,sbbkly,occ sbfiss.

SANDSTONE:clr-trnsl,vf-crs,  
pr srt,sbang-sbrnd,sph-sbsph,  
sil & pyr cmt,tr kao mtx,tr chl,



lse,gd inf por,no fluor.

Survey @ 2473.0m: 29.94° 129.8Az

SANDSTONE:clr-tmsl,vf-f,  
mod srt,sbang-sbrnd,sph-sbsph,tr  
sil & pyr cmt,tr kao mtx,tr glauc,  
lse,gd inf por,no fluor.

SANDSTONE:clr-tmsl,f-med,  
wl srt,sbang-sbrnd,sph-sbsph,tr  
sil & pyr cmt,tr kao mtx,  
lse,gd inf por,no fluor.

Survey @ 2501.7m: 29.52° 129.8Az

2500  
(2355.9)

