



# FORMATION EVALUATION LOG

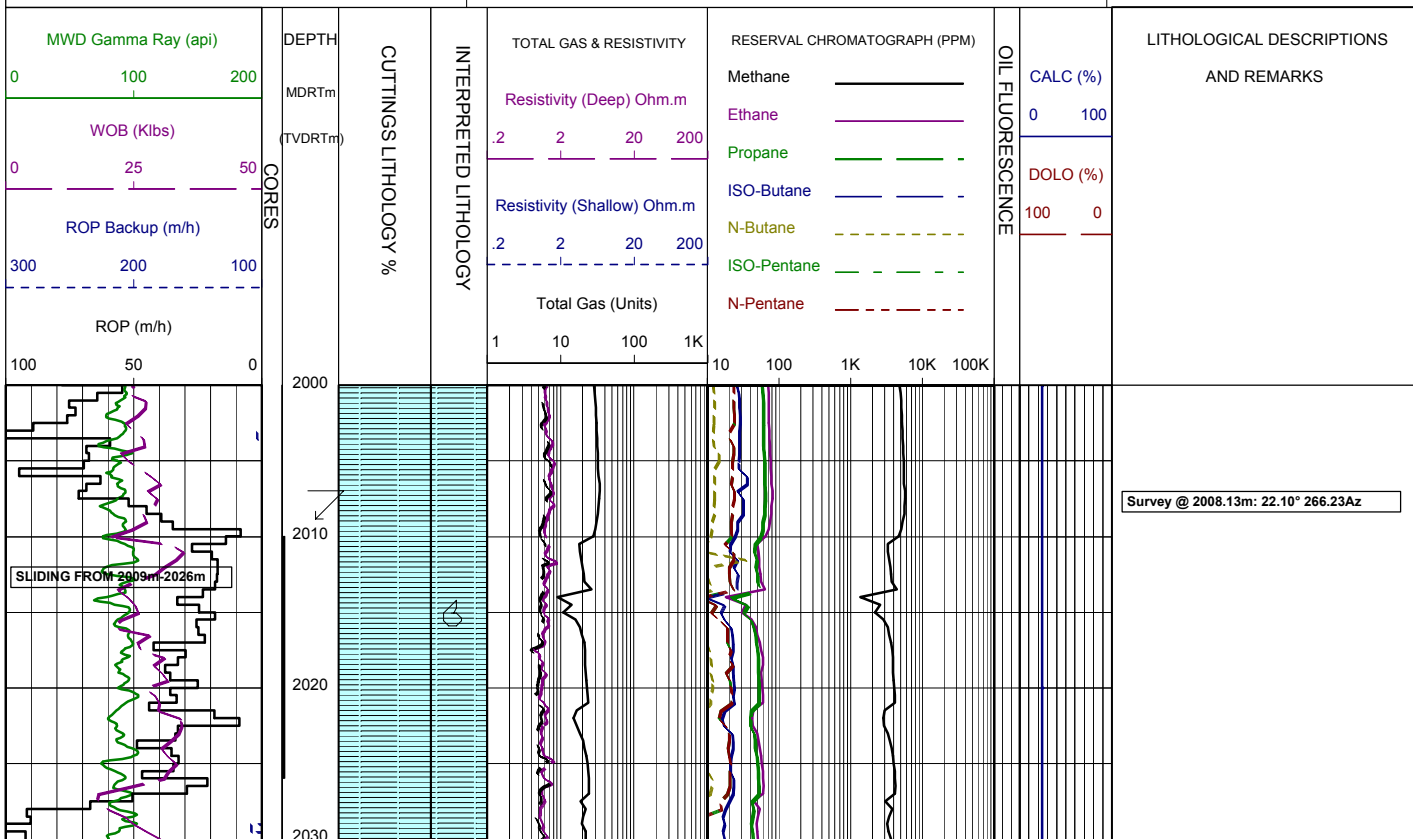


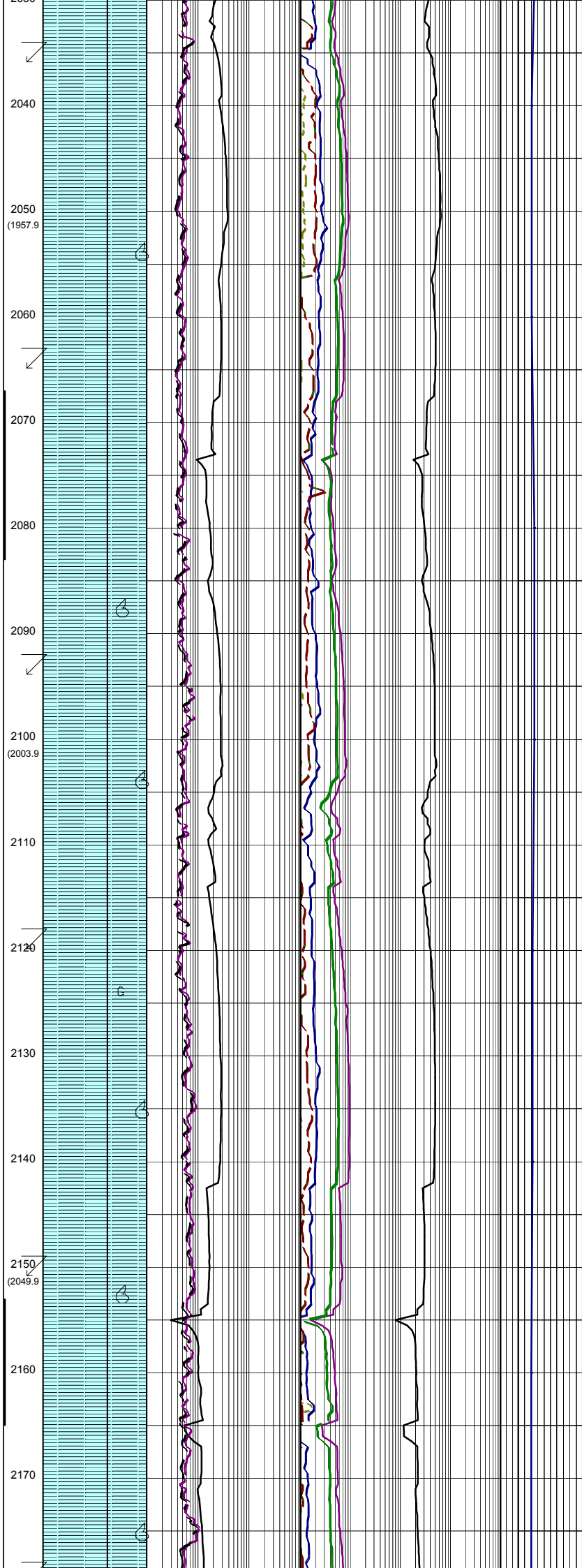
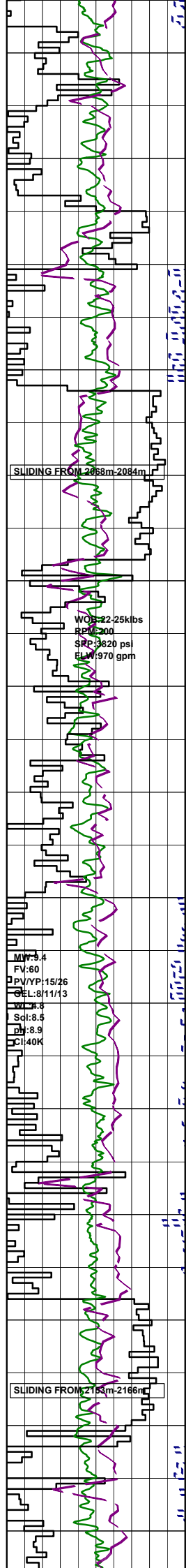
## WELL : BASKER-4

FROM (m): 2000 TO (m): 3290 SCALE: 1/ 500

Country : AUSTRALIA	Latitude : 38°18'02.17"S	HOLE / CASING INFO 17 1/2" Hole to (mMDRT) : 1010m	Spud Date : 27-02-2006
Basin : GIPPSLAND	Longitude : 148°41'43.23"E	12 1/4" Hole to (mMDRT) : xxxx	Total Depth Date : xx-xx-2006
Field : BASKER	UTM Co-ord X (m E) : 649256.8	13 3/8" Shoe at (mMDRT) : 998.85m	Total Depth (mRT) : m
Permit : VIC/L26	UTM Co-ord Y (m N) : 5759552.0	9 5/8" Shoe at (mMDRT) : xxxx.xm	T.V.D. (mSS MSL) : m
Well Type : DEVELOPMENT	RT-LAT (m) : 21.5		Status : COMPLETED
Rig Name : OCEAN PATRIOT	RT-Seabed (m) : 176		

<h3>ABBREVIATIONS</h3> <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>	<h3>LITHOLOGY LEGEND</h3> <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	<h3>ENGINEERING LEGEND</h3> <p> Shoe       FIT   Mud loss   Deviation survey   DST       Mud gain   Test   Sidewall Core   Core   DOLOMITE ALPHABE   RFT</p>
	Claystone		Limestone		Brachiopoda																																													
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	Clay, Limestone		Bryozoa		Carb Fragments																																													





Survey @ 2036.70m: 22.65° 265.90Az

**CALCAREOUS CLAYSTONE:**  
 med gry-olv gry, occ med dk gry,  
 sft frm, mod hd i/p, blkly-sbbkly,  
 tr foss, rr-tr carb spks.

Survey @ 2065.37m: 22.69° 266.0Az

SLIDING FROM 2068m-2084m

Survey @ 2094.12m: 23.82° 265.25Az

WOB: 22-25klbs  
 RPM: 200  
 SPR: 3820 psi  
 FLW: 970 gpm

**CALCAREOUS CLAYSTONE:**  
 med gry-med dk gry, occ dk gry,  
 sft frm, mod hd i/p, blkly-sbbkly,  
 tr foss, rr-tr vf glauc grs.

MV: 9.4  
 FV: 60  
 PV/YP: 15/26  
 CEL: 8/11/13  
 WT: 8.3  
 Sct: 8.5  
 L: 8.9  
 I: 40K

Survey @ 2122.91m: 22.88° 264.88Az

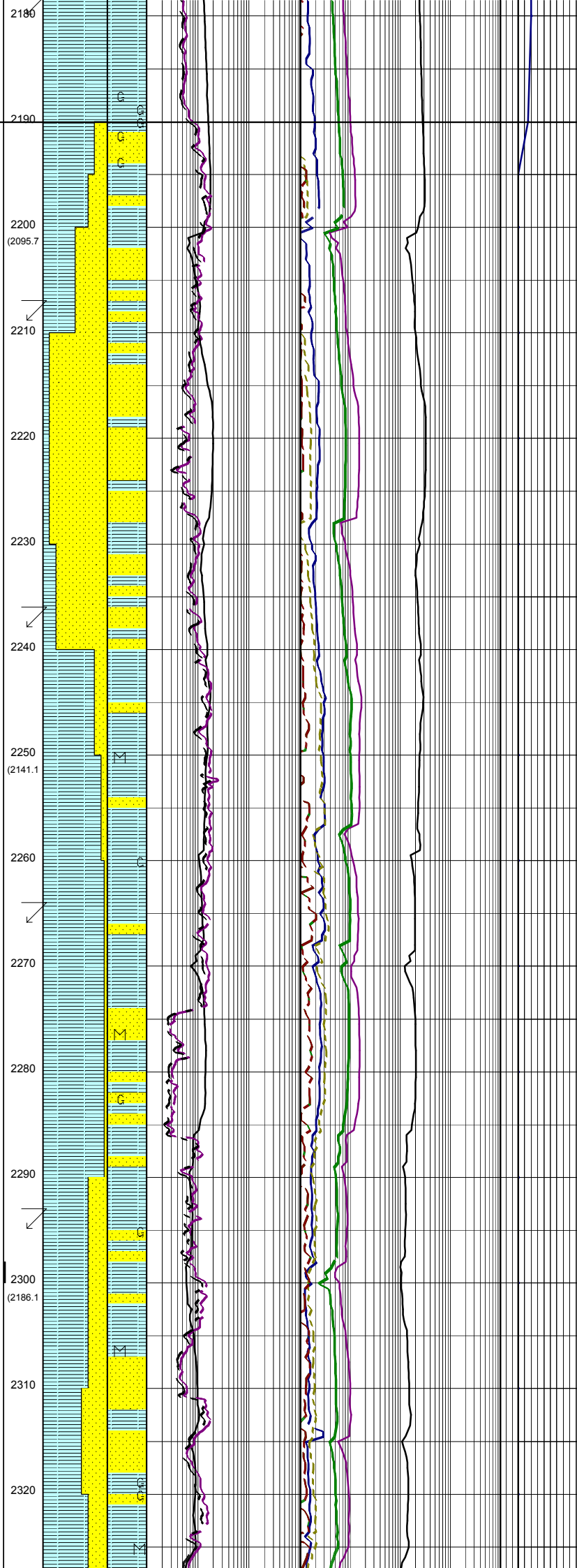
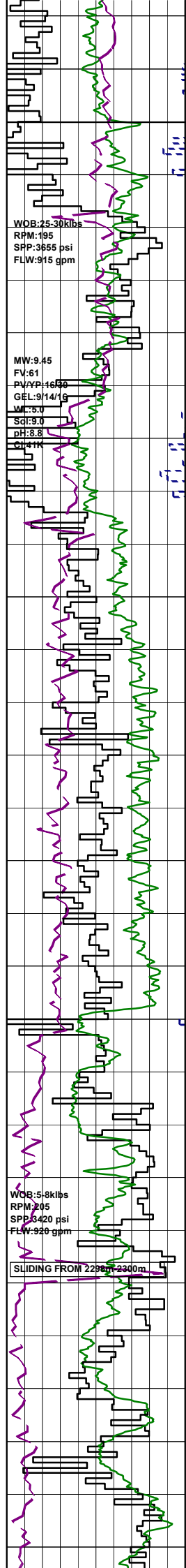
**CALCAREOUS CLAYSTONE:**  
 med gry-med dk gry, occ dk gry,  
 sft frm, mod hd i/p, blkly-sbbkly,  
 tr foss, rr-tr vf glauc grs.

SLIDING FROM 2153m-2166m

Survey @ 2151.75m: 22.84° 266.31Az

**CALCAREOUS CLAYSTONE:**  
 med gry-med dk gry, occ dk gry,  
 sft frm, mod hd i/p, blkly-sbbkly,  
 tr foss, rr-tr vf glauc grs.

Survey @ 2180.57m: 23.94° 267.75Az



**CALCAREOUS CLAYSTONE:**  
 med-med dk gry, occ grn gry,  
 com glauc, tr carb spks,  
 tr iron stn, frm-mod hd, sb blkly.

**LATROBE FM**  
 2190m MD (2086.7m TVD)

**SANDSTONE:**  
 clr-yel brn, f-med crs grs,  
 pred sbrnd, pr-mod srtd, appears  
 cln, qtz grs iron stained where  
 yel brn, lse-disagg, com glauc  
 very top

Survey @ 2209.36m: 24.32° 268.28Az

**SANDSTONE:**  
 clr-trnsl, occ grnsh wh, f-grs,  
 dom med-lwr crs, pred sbrnd, pr-  
 mod srtd, rr mica, rr carb, loose/  
 disaggs, v gd inf por, no shows.

Survey @ 2238.12m: 25.23° 268.19Az

**CLAYSTONE:** olv gry-brn gry,  
 slty, tr glauc, tr mica, tr calc,  
 v/sft-sft, sb blkly.

**SANDSTONE:**  
 trnsl-dk yel orng, occ pl gm,  
 v/f-med grs, pr srtd, sbang-sbrnd,  
 arg mtx, mod hd, pr inf por.

Survey @ 2266.76m: 25.65° 268.18Az

**CLAYSTONE:** olv gry-med gry,  
 occ wh gry, tr-com pyr nod,  
 tr-com glauc, rr-tr mica, v/sft-sft,  
 sb blkly.

**SANDSTONE:**  
 trnsl-dk yel orng, occ pl gm,  
 v/f-med grs, pr srtd, sbang-sbrnd,  
 arg mtx, mod hd, pr inf por.

Survey @ 2295.23m: 26.09° 267.23Az

**CLAYSTONE:** olv gry-med gry,  
 occ wh gry, tr-com pyr nod,  
 tr-com glauc, rr-tr mica, v/sft-sft,  
 sb blkly.

**SANDSTONE:**  
 trnsl-dk yel orng, occ pl gm,  
 v/f-med grs, pr srtd, sbang-sbrnd,  
 arg mtx, mod hd, pr inf por.

Survey @ 2323.86m: 26.23° 267.68Az

WOB: 25.30klbs  
 RPM: 195  
 SPP: 3655 psi  
 FLW: 915 gpm

MW: 9.45  
 FV: 61  
 PV/AP: 1630  
 GEL: 9/14/g  
 WL: 75.0  
 Scl: 9.0  
 pH: 8.8  
 CIP: 11M

WOB: 5.8klbs  
 RPM: 205  
 SPP: 3420 psi  
 FLW: 926 gpm

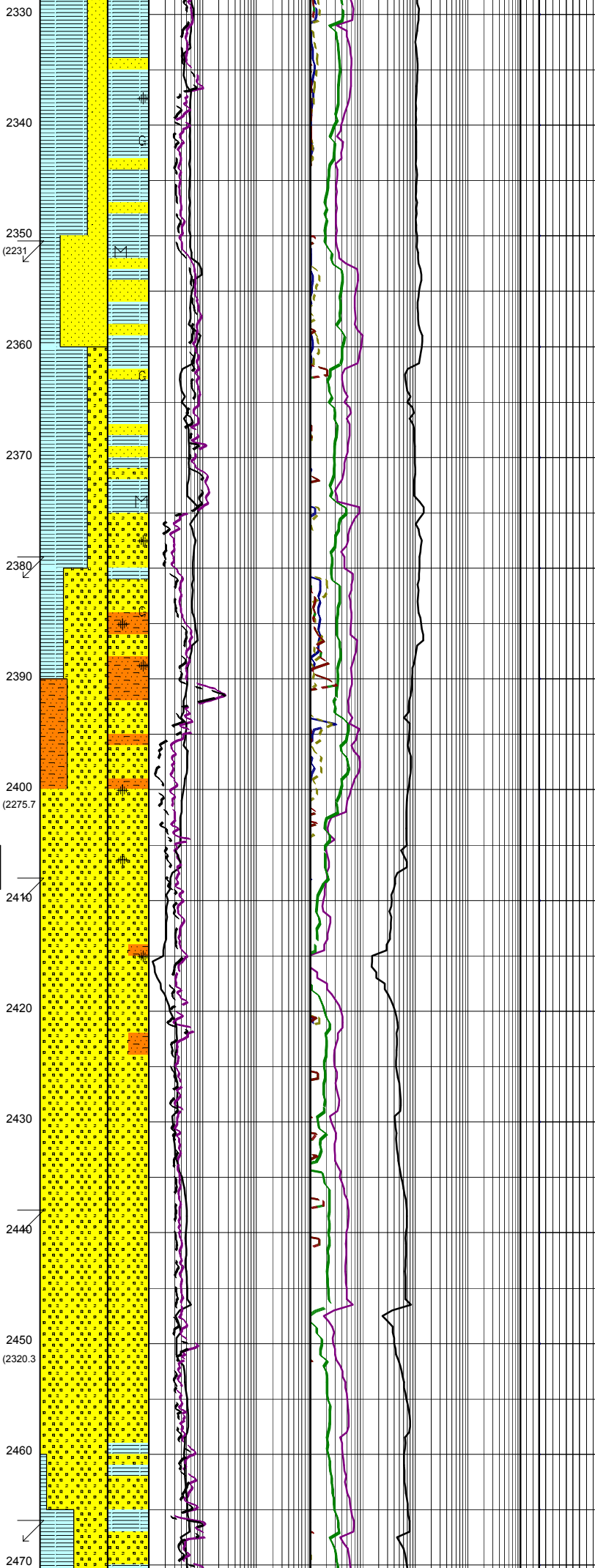
SLIDING FROM 2296m-2300m

MW: 9.45  
FY: 61  
R/Y/P: 16/30  
GEL: 9/14/16  
WL: 5.0  
SG: 9.0  
pH: 8.8  
Cl: 41K

WOB: 5.8klbs  
RPM: 205  
SPR: 3620 psi  
FLW: 900 gpm

SLIDING FROM 2405m-2409m

WOB: 7.4klbs  
RPM: 205  
SPR: 3520 psi  
FLW: 895 gpm



CLAYSTONE: olv gry-med gry,  
occ wh gry, tr-com pyr nod,  
tr-com glauc, rr-tr mica, v/sft-sft,  
sb blkly.

SANDSTONE: dk ley org, occ pl grn,  
rr mod pnk, v/f-med grs, pr srtd,  
sbang-sbrnd, arg mtx, pr inf por.

Survey @ 2352.61m: 26.53° 267.73Az

CLAYSTONE: pred med gry, occ wh gry,  
tr glauc, tr mica, v/sft-sft,  
sb blkly.

SANDSTONE: dk ley org, occ pl grn,  
rr mod pnk, v/f-med grs, pr srtd,  
sbang-sbrnd, arg mtx, pr inf por.

Survey @ 2381.60m: 26.79° 267.15Az

SILTSTONE: gry brn-olv gry,  
occ wh-yel gry, occ v/carb,  
tr carb spks, tr pyr, 10% arg,  
sft-sb fiss, sb blkly.

SANDSTONE: clr-frstd, tr dk yel brn,  
med-v/crs, abdt pell, com pyr cmt,  
occ hd pyr cmt, pr srtd, gd inf por.

Survey @ 2410.64m: 26.70° 266.45Az

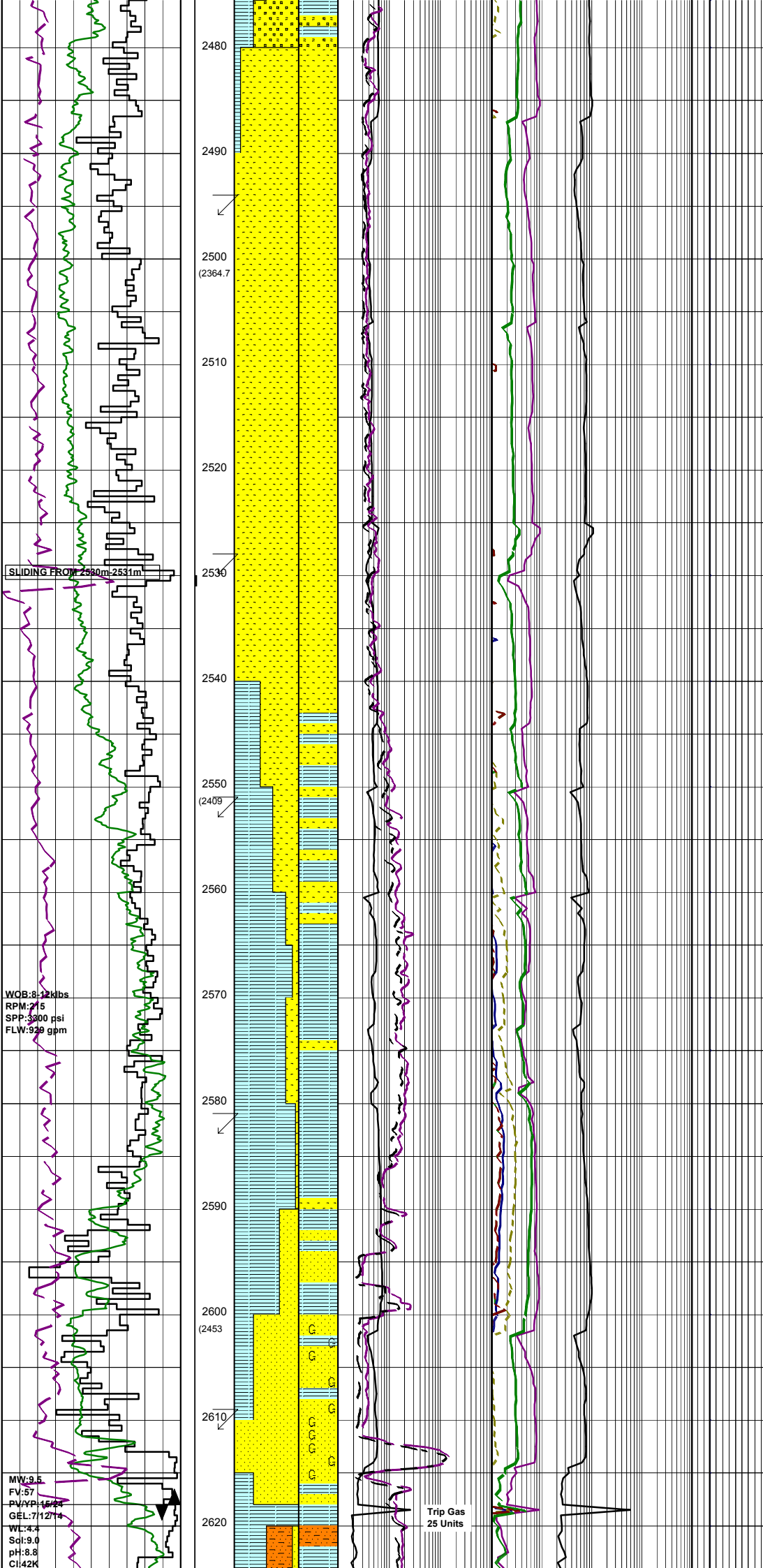
SANDSTONE: clr-frstd, tr dk yel brn,  
med-v/crs, abdt pell, tr pyr cmt,  
occ hd pyr cmt, pr srtd, gd inf por.

Survey @ 2439.34m: 26.90° 266.47Az

SANDSTONE: clr-frstd, tr dk yel brn,  
med-crs, occ v crs, tr pyr cmt,  
occ hd pyr cmt, pr srtd, gd inf por.

Survey @ 2467.89m: 27.11° 266.39Az

CLAYSTONE: lt med gry brn-brn,  
vsft-sft, disp, slty-sndy, tr mica,  
rr vf glauc.



SANDSTONE:clr-trmsl,m-crs,occ v  
v crs,sbrnd-sbang,pred sbrnd,m-w  
srt,d,tr mica,tr pyr cmt,occ hd,  
gd inf por.

Survey @ 2496.64m: 27.60° 266.02Az

SANDSTONE:clr-trmsl,m-crs,occ v  
f-v crs,sbrnd-sbang,pred sbrnd,  
m-w srt,d,tr mica,tr pyr cmt,gd-  
v gd inf por.

Survey @ 2525.16m: 27.72° 265.68Az

CLAYSTONE:lt brn gry-lt gry,occ  
med dk gry,sft,disp,f-med qtz  
grs,tr carb spks,n calc,g/t arg  
Sandstone i/p.

Survey @ 2553.57m: 28.03° 265.54Az

CLAYSTONE:lt brn gry-lt gry,occ  
med gry-dk gry,sft,disp,pred silty,  
tr f qtz grs,tr carb spks,g/t sandy  
Claystone and arg Sandstone i/p.

Survey @ 2582.45m: 28.18° 266.17Az

CLAYSTONE:lt brn gry-lt gry,occ  
med gry-dk gry,sft,disp,pred silty-  
sandy,tr f qtz grs,tr carb spks,  
g/t sandy Claystone and arg  
Sandstone i/p.

Survey @ 2611.79m: 28.71° 266.08Az

SANDSTONE:olv gry-brn gry,vf-crs,  
pred f-med,sbrnd,10-30% cly,qtz  
silt,gd tr-com glauc,loose-sft aggs,  
tr carb spks,tr mica,gd inf por,  
no shows.

POOH at 2618m reached 2130hrs  
7th May to change BHA for  
directional,and p/up new bit.

BIT #3RR1:Reed Hycalog RSX616M  
SIZE:311mm 12.25"  
JETS:3x18,3x20  
IN:2618m OUT:2645m

SLIDING FROM 2530m-2531m

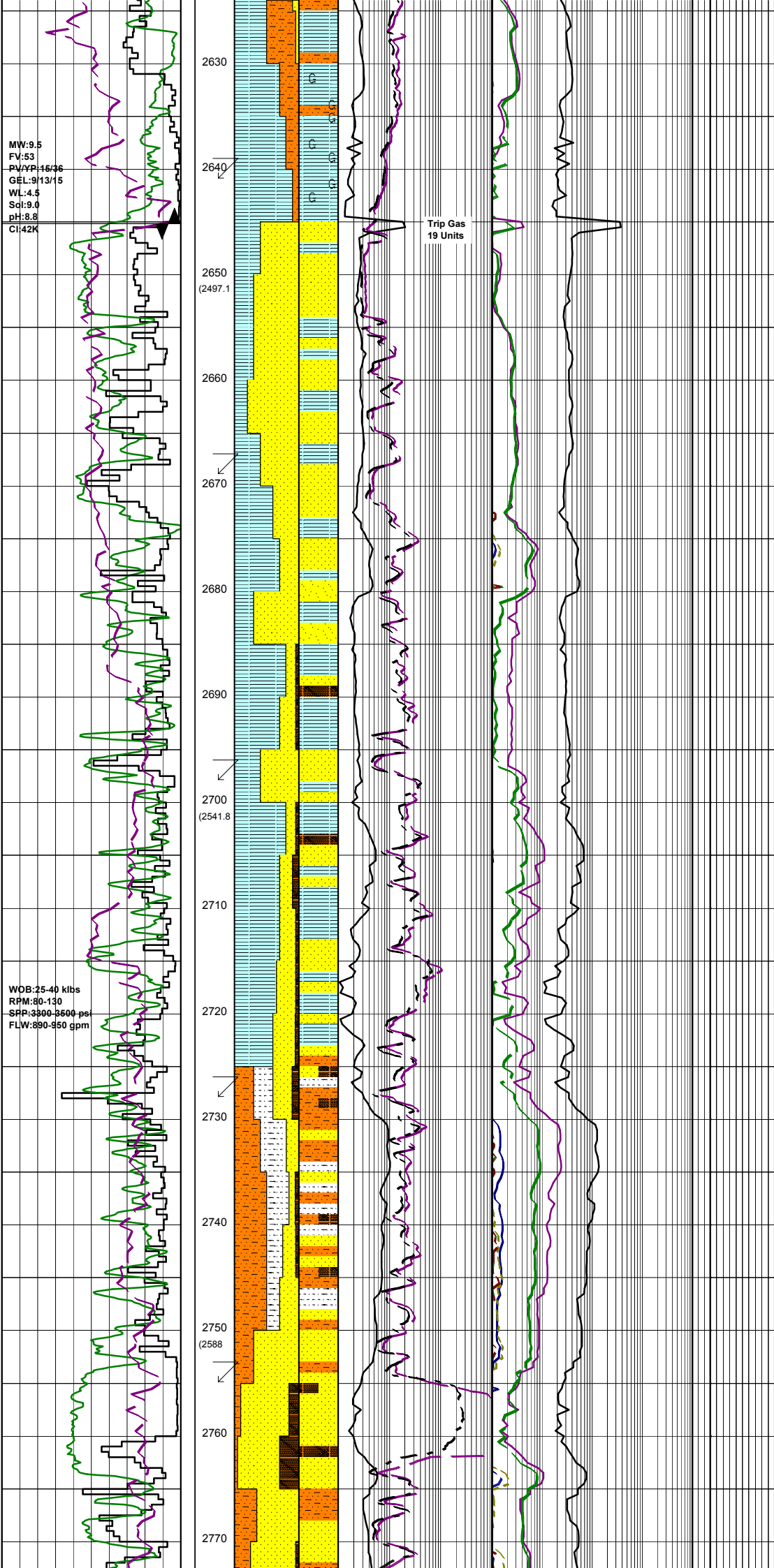
WOB: 8.12k lbs  
RPM: 215  
SPP: 3300 psi  
FLW: 939 gpm

MW: 9.5  
FV: 57  
PV/VP: 16/24  
GEL: 7/12/14  
WL: 4.4  
Sol: 9.0  
pH: 8.8  
Cl: 42K

Trip Gas  
25 Units

MW:9.5  
 FV:53  
 P4/Y/P:16/36  
 GEL:9/13/15  
 WL:4.5  
 Sol:9.0  
 pH:8.8  
 CI:42K

WOB:25-40 kibs  
 RPM:80-130  
 SRP:3300-3600 psi  
 FLW:890-950 gpm



2630  
 2640  
 2650 (2497.1)  
 2660  
 2670  
 2680  
 2690  
 2700 (2541.8)  
 2710  
 2720  
 2730  
 2740  
 2750 (2588)  
 2760  
 2770

Trip Gas  
 19 Units

RUN:27m HRS:9.9  
 COND: 1-3-CT-H-X-IN-LT-PR

GLAUCONITIC CLAYSTONE:med-dk grn gry,-grn gry,sft-v sft,disp,com-abdt glauc,tr mica,non calc.

SILTSTONE:brn gry-dk brn gry, grnsh tinge i/p,sft,mod hd i/p,non calc,tr glauc grs.

Survey @ 2640.94m: 27.83° 265.83Az

POOH at 2645m reached 1800hrs  
 9th May to change bit.

BIT #5: SMITH GF10BODVCPS  
 SIZE:311mm 12.25"  
 JETS:3x24,1x20  
 IN:2645m OUT:3130m  
 RUN:485m HRS:51.6  
 COND:3-5-BT-A-E-I-JD-PR

SANDSTONE:clr-tmsl,pred med-crs,sbrnd-sbang,pred qtz grs, lse,m-w,srtd,f-gd inf por.

Survey @ 2669.25m: 27.16° 265.59Az

CLAYSTONE:med brn gry-dk brn, sft-frm,disp,tr carb mat,occ carb lam,silty i/p,non calc.

SANDSTONE:lt-med brn gry,occ med dk brn,arg,vf-med,pred f-med,sbang,w srtd,10-40% silt and clay,tr-com carb debris micas as microlam,sft-fri aggs, pr-fr vis por,no show,grdng i/p to sandy Claystone.

Survey @ 2697.88m: 24.86° 266.02Az

COAL:blk,occ dk brn,mod hd-hd, brit,sbconch,sbfiss frac, subbitum-bitum.

CLAYSTONE:med brn gry-dk brn gry,sft-frm,mod hd i/p,v carb, rr-tr carb lam,non calc,g/t Siltstone i/p.

Survey @ 2727.14m: 22.34° 267.37Az

ARGILLACEOUS SANDSTONE: wh-lt gry,vf-f,tr med,40% arg mtx, tr carb,sbang-sbrnd,w/srtd,mod hd, pr-fr inf por.

SILTSTONE:lt-dk brn gry, tr-com carb frags,com pry nod, sft-hd,sbfis- sbbiky.

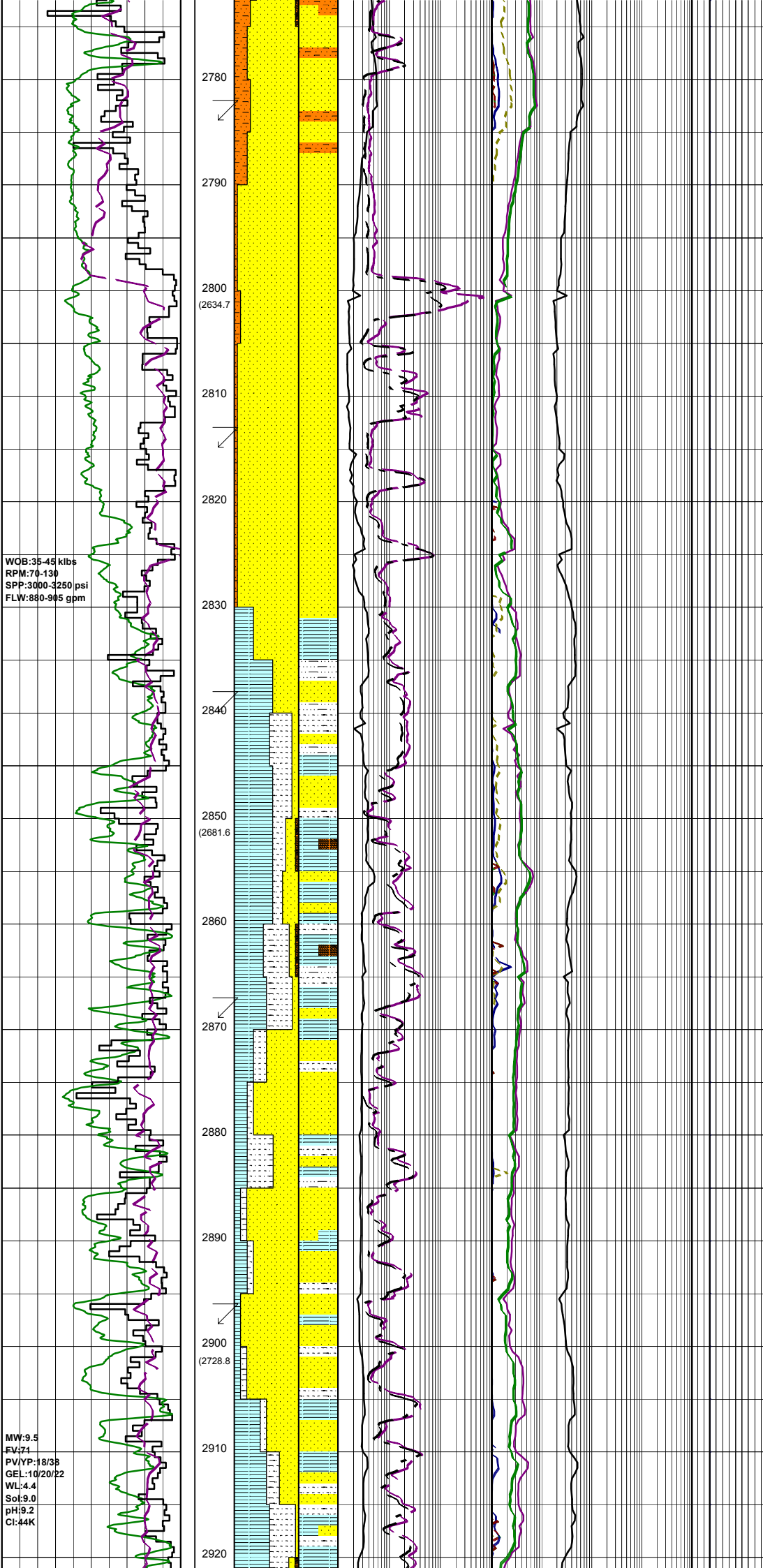
SANDSTONE:clr-tmsl,f-pred med, tr carb,pr srtd,sbang-sbrnd,lse grs, gd inf por,no fluor.

Survey @ 2755.41m: 20.81° 268.40Az

SANDSTONE:lt gry,tmsl,lse-pred hd aggs,tr carb grs,rr lith,f-med,sbrnd-sbang,w srtd, pr pyr cmt,strg dol cmt,pr vis por,com yel min fluor.

CARBONEOUS SILTSTONE:dk

brnsh gry,brnsh blk,sft-fri,sbbiky-sbfiss,arg i/p,g/t Coal i/p,tr vf pyr grs.



WOB:35-45 klbs  
RPM:70-130  
SPP:3000-3250 psi  
FLW:880-905 gpm

MW:9.5  
EV:71  
PV/YP:18/33  
GEL:10/20/22  
WL:4.4  
Sol:9.0  
pH:9.2  
CL:44K

Survey @ 2784.09m: 20.58° 267.75Az

SANDSTONE:lt gry-gry wh,clr-trnsl,qtz,lse,med-crs,occ c-v crs,sbrnd-sbang,m srtd,dol cmt,tr py,rr-tr carb spk,fr inf por,tr min fluor,

SANDSTONE:a/a w/- disp hd-v hd, disp var sil-dolo cmtd aggs,yel min fluor.

Survey @ 2813.43m: 20.73° 265.54Az

SANDSTONE:lt gry,com trnsl-clr, pred med-v crs,occ gran,occ f,pr srt, ang-sbrnd,com calc cmt,com off wh-wh sly mtz,com nod pyr,com glauc,qtz, tr chlor,mod hd-hd,pr vis por,gd inf por,com min fluor.

SILTY CLAYSTONE:lt-med olv gry-brn gry,dk brn i/p,sft-v sft, sbbiky,tr-gd tr carb mat & micas, non calc,g/t Siltstone and vf Arg Sandstone.

Survey @ 2841.68m: 20.35° 264.62Az

COAL:blk,occ dk brn,mod hd-hd, brit,sbconch,sbfiss frac, subbitum-bitum.

ARGILLACEOUS SANDSTONE: lt-med olv gry to lt-dk gry brn, vf-med,dom vf-f,w-v w srtd, sbang-sbrnd,10-40% cly,tr-sli carb mat & micas,sft-fri aggs, fr inf & vis por,no fluor.

Survey @ 2869.89m: 19.14° 264.86Az

SANDSTONE:clr-trnsl,pred med-crs, occ f-v crs,sbang-sbrnd,lse qtz, m-w srtd,tr micas and carb,gd inf por,no fluor.

CLAYSTONE:lt-med olv gry-brn gry,dk brn i/p,sft-v sft, sbbiky,tr-sli carb mat & micas, non calc,g/t Siltstone and vf Arg Sandstone.

Survey @ 2898.59m: 18.93° 265.94Az

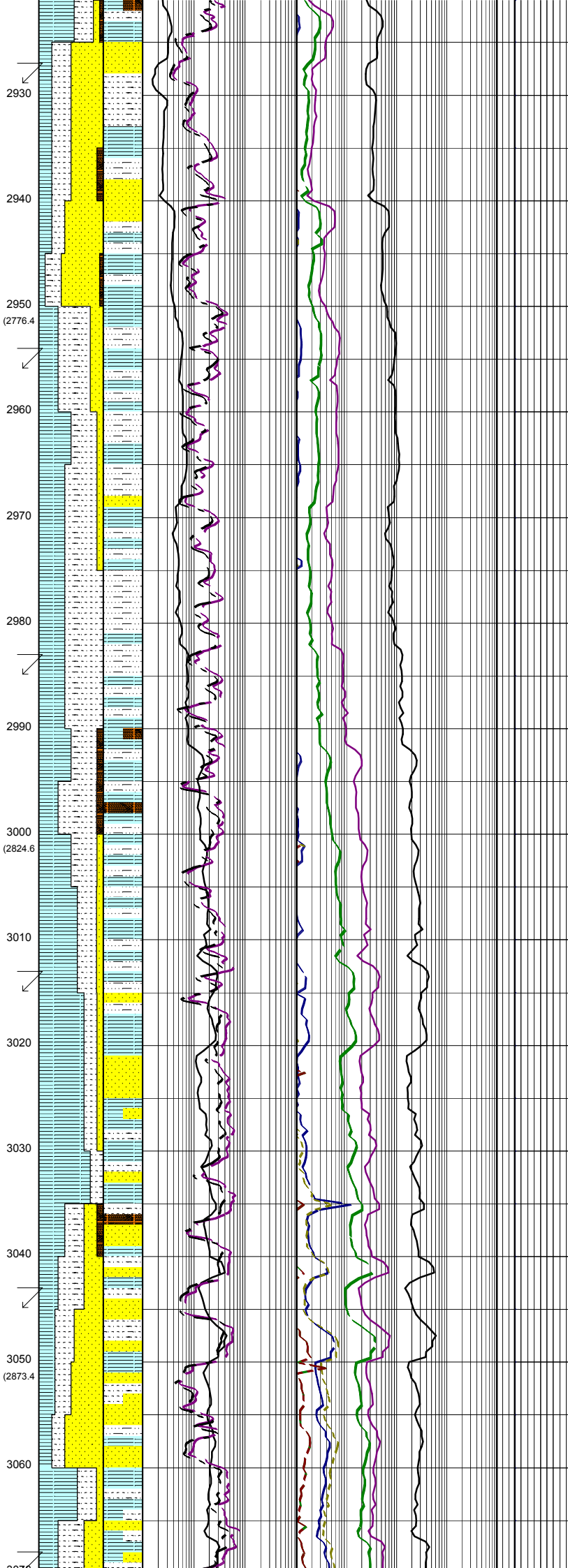
SANDSTONE:clr-trnsl,f-crs,pred med-crs,occ v crs,sbang-sbrnd, lse qtz,m-w srtd,tr carb mat & mica,fr-gd inf & vis por,no fluor.

CLAYSTONE:lt-med olv gry-brn gry,dk brn i/p,sft-v sft, sbbiky,tr-sli carb mat & micas, occ carb lam,non calc,g/t Silt.

WGB:35-45 klbs  
RPM:80-110  
SPP:3250-3650 psi  
FLW:880-905 gpm

WGB:40-44 klbs  
RPM:92-110  
SPP:3400-3450 psi  
FLW:900-950 gpm

WGB:40-44 klbs



2930

2940

2950

(2776.4)

2960

2970

2980

2990

3000

(2824.6)

3010

3020

3030

3040

3050

(2873.4)

3060

3070

COAL:blk,mod hd-hd,brit,conch frac,bit.

Survey @ 2927.63m: 17.73° 265.97Az

ARGILLACEOUS SANDSTONE:trnsi-clr,vf-f grs,sbang-sbrnd,tr off wh carb mtx,com nod & dissem pyr,fr-pr inf por,gd vis por,no fluor.

COAL:blk,mod hd-hd,brit,conch frac,bit.

SANDSTONE:trnsi-clr,milky,med-crs,sbang-sbrnd,lse qtz gran,tr off wh carb mtx,com dissem & nod pyr,gd inf por,gd vis por,no fluor.

Survey @ 2956.77m: 16.24° 266.55Az

CLAYSTONE:olv blk-brnsh blk-olv gry,occ carb,occ lam,sft-v sft,sbbiky-blky.

ARGILLACEOUS SANDSTONE:trnsi-clr,vf-f grs,sbrnd-sbang,occ off wh carb-sity mtx,com nod & dissem pyr-pr-fr inf por,gd vis por,no fluor.

Survey @ 2984.81m: 15.17° 265.41Az

ARGILLACEOUS SANDSTONE:clr,pred vf-f,occ crs-med,mod wl srt,sbang-sbrnd,com slty-aren mtx,com nod & dissem pyr,com mic,tr qtz,fri-mod hd,pr vis por,gd inf por,blky-amorph, no fluor.

COAL:blk,mod hd-hd,brit,conch frac,bit.

CLAYSTONE:olv gry-dk grnsh gry,olv blk,com pyr,com mic,com carb,v sft-sft,blky-amorph.

Survey @ 3013.54m: 13.08° 266.70Az

CLAYSTONE:olv gry,lt-med brnsh gry,olv blk,com pyr,carb spks,hd-v hd,occ sft-mod hd,sbfiss-sbbiky.

SANDSTONE:clr-trnsi,occ lt trnsi yel,v crs-gran,qtz,lse grs,no fluor.

CLAYSTONE:lt-dk brn gry,occ brnsh blk,sft-frn,sbbiky,v carb,occ lam, tr vf pyr,g/t arg Sandstone.

COAL:blk,mod hd-hd,brit,conch frac,bit.

Survey @ 3042.49m: 11.59° 267.50Az

ARGILLACEOUS SANDSTONE:lt gry-lt olv gry,sft-fri,occ mod hd,f-med,pred f-vf,sbrnd-sbang,m-wl srt,com slty cly mtx,tr carb spks,rr-tr pyr grs,pr-fr inf por,no fluor.

Samples 5m Behind Calculated Lag

SANDSTONE:clr-trnsi,crs-v crs,occ gran,lse qtz,cln,sbang-sbrnd,mod srt,fr inf por,no fluor.

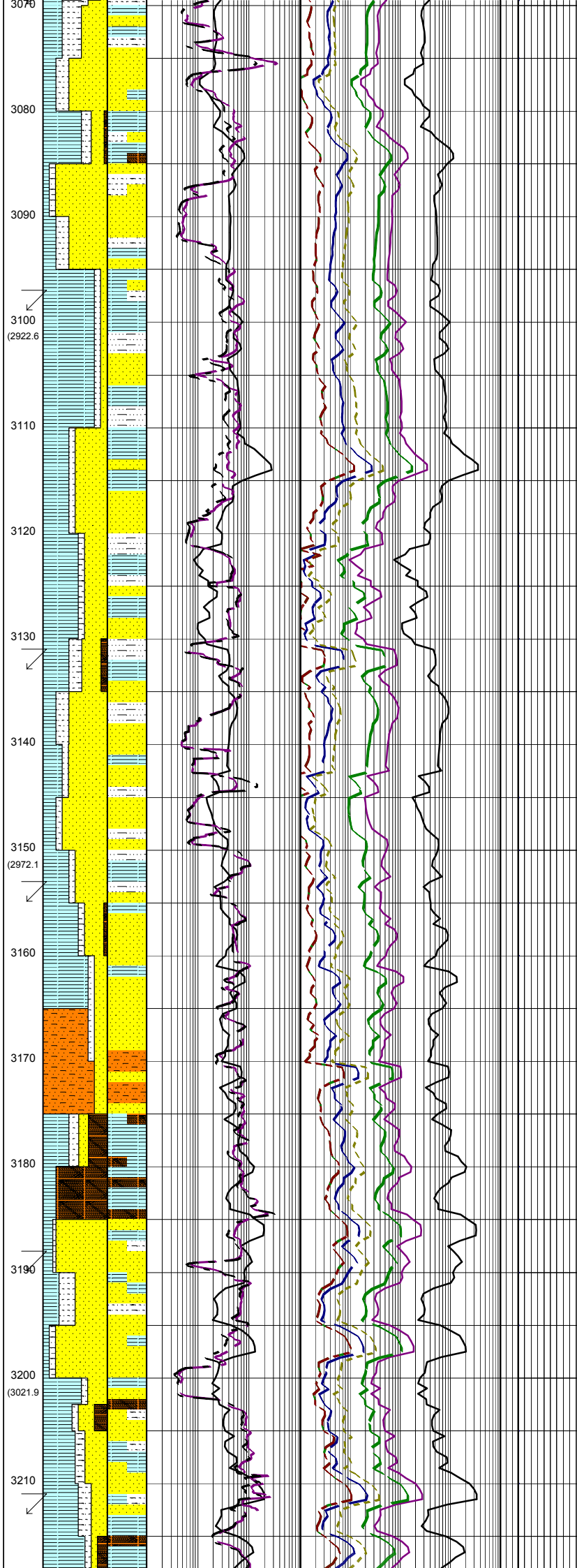
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WOB: 30-45 klbs  
 RPM: 110-130  
 SPP: 3300-3550 psi  
 FLW: 895-935 gpm

MW: 9.5  
 FV: 63  
 PV/YP: 18/39  
 GE: 10/20/22  
 WL: 5.0  
 So: 9.0  
 pH: 8.5  
 Ct: 44.5K

WOB: 45-55 klbs  
 RPM: 115-125  
 SPP: 3500-3600 psi  
 FLW: 930-940 gpm



SANDSTONE: v lt gry-wh, occ lt gry-trnsi, lse-pred hd aggs, med-crs, occ f, sbang-sbrnd, wl srt, abdt 'rock floor', calc cmt, pr vis por, tr min fluor.

COAL: blk, mod hd-hd, brit, conch frac, bit.

SANDSTONE: clr-trnsi, med-crs, occ v crs, lse qtz, sbang-sbrnd, mod-wl srt, fr-gd inf por, no fluor.

Survey @ 3099.47m: 8.90° 269.44Az

CLAYSTONE: lt olv gry-olv gry, mod yelsh brn, lt brnsh gry-brnsh gry, tr mic, com pyr, com carb, pred v sft-sft, occ frm-mod hd, sbbkly, g/t Carbonaceous Claystone i/p.

SANDSTONE: lt olv gry, clr-trnsi qtz grs, vf-v crs, pred med-crs, mod-wl, 10-15% cly/slt i/p, tr pyr, qtz cmt, gd inf por, no oil show-gas peak.

ARGILLACEOUS SANDSTONE: trnsi-clr, vf-f, mod mod wl srt, sbang-sbrnd, off wh-yelsh gry slty mtx, com nod & dissemin pyr, tr mic, fri, pr vis por, gd inf por, no fluor.

POOH at 3130m reached 0150hrs 13th May to change bit.

Survey @ 3132.77m: 7.62° 272.84Az

BIT #6: SMITH FG15BODVCP  
 SIZE: 311mm 12.25"  
 JETS: 3x24, 1x19  
 IN: 3130m OUT: m  
 RUN: m HRS:  
 COND:

CLAYSTONE: olv blk-grnsh blk, dk grnsh, olv gry, lt brnsh gry, com lam, com pyr, v sft-hd, sbbkly-sbfiss, dll yel min fluor.

Survey @ 3154.38m: 6.95° 271.52Az

ARGILLACEOUS SANDSTONE: clr-trnsi, occ mlky yel, vf-f, mod wl srt, sbrnd, lt olv gry-yelsh gry, slty mtx, com nod & dissemin pyr, pred mod hd-v hd, occ fri, pr inf por, pr-gd vis por, mnr dll yel min fluor.

SANDSTONE: clr-trnsi, occ mlky, f-med grs, occ crs-v crs, mod wl srt, sbang-sbrnd, off wh-wh slty mtx, com nod & dissemin pyr, occ qtz aggs, fri, pr inf por, pr-gd vis por, mnr dll yel min fluor.

COAL: blk, semibright tending bright, vit, mod hd tending hd, blkly-conch, rr py, appears clean.

SANDSTONE: clr-trnsi, occ mlky, f-crs, pred med, lse qtz, sbang-sbrnd, mod-wl srt, rr py grs/nod, gd inf por, no show.

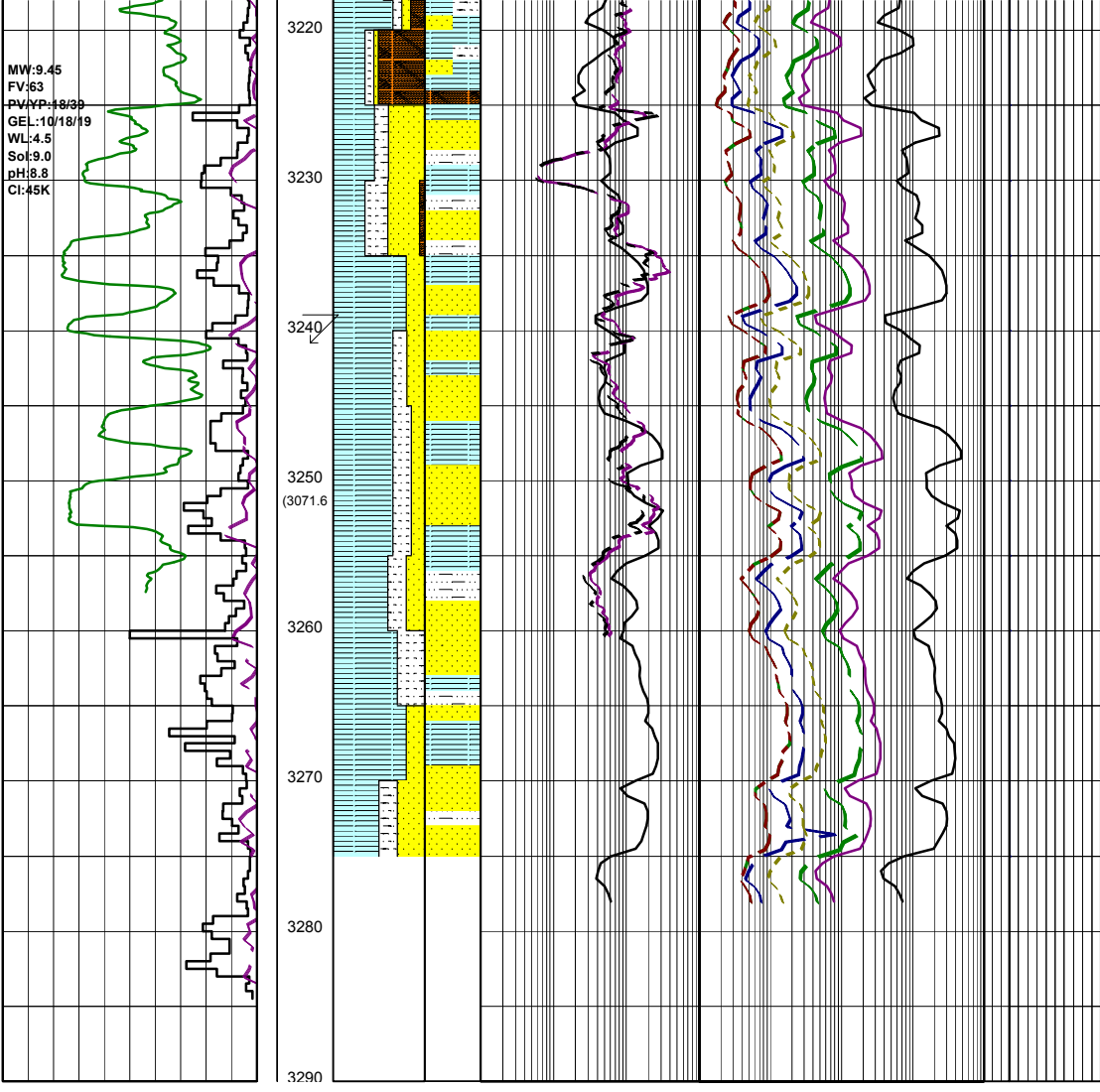
Survey @ 3184.68m: 6.18° 274.43Az

SANDSTONE: lt gry, clr-trnsi, med-crs, pred crs, lse qtz, sbrnd-ang, mod-wl srt, rr py grs, tr aggs, frm-fri, occ mod hd, calc cmt, p-fr inf por, tr calc min fluor.

Survey @ 3212.14m: 5.61° 271.92Az

COAL: blk, semi bright, vit, mod hd-hd, blkly-conch, rr pyr grs.

MW:9.45  
FV:63  
PVWP:18/33  
GEL:10/18/19  
WL:4.5  
Sol:9.0  
pH:8.8  
Cl:45K



CLAYS (ONE): med-dk brn gry, occ lt  
brn gry-brnsh blk, sft frm, sbbly,  
occ sbfiss, lam, com carb mat, tr  
pyr min, g/t Siltstone i/p.

SANDSTONE: clr-trmsl, occ mlky  
wh, pred med grs, com f-crs, occ qtz  
gran, sbang-sbrnd, mod-mod wl srt,  
com off wh slty mtx, com nod pyr, fri,  
pr-gd inf por, gd vis por, tr fluor.

FLUORESCENCE: 3230m-3235m &  
3240m-3245m 3% dll grnsh yel pnpt  
slw dir cut, slow crsh cut, r/r mod  
brt blush grn, comp.

Survey @ 3241.95m: 5.14° 272.66Az

CLAYSTONE: dk brnsh gry, lt brnsh  
gry, brnsh blk, occ carb, occ pyr, occ  
lam, tr coal, v sft-hd, sbfiss-sbbly.