



FORMATION EVALUATION LOG

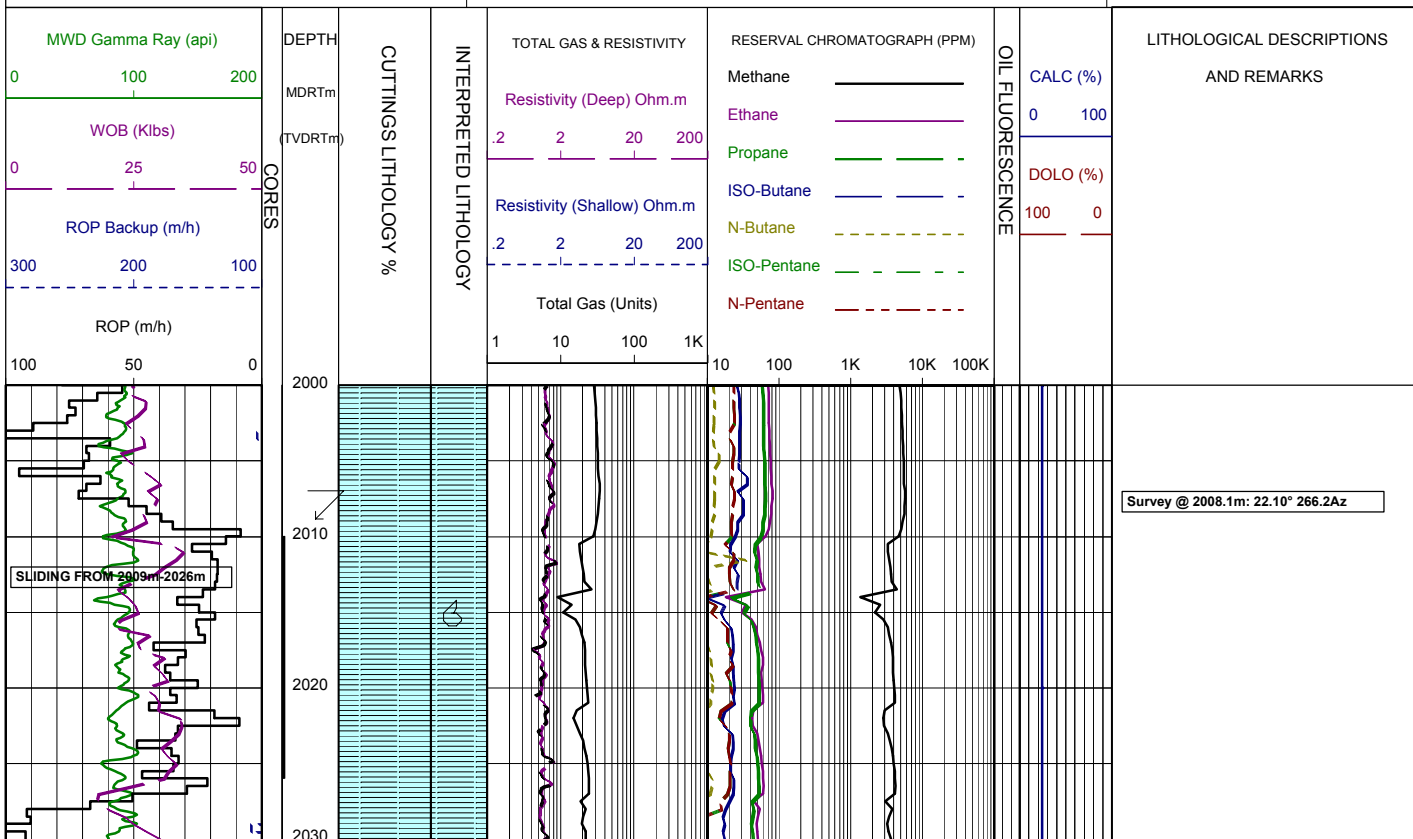


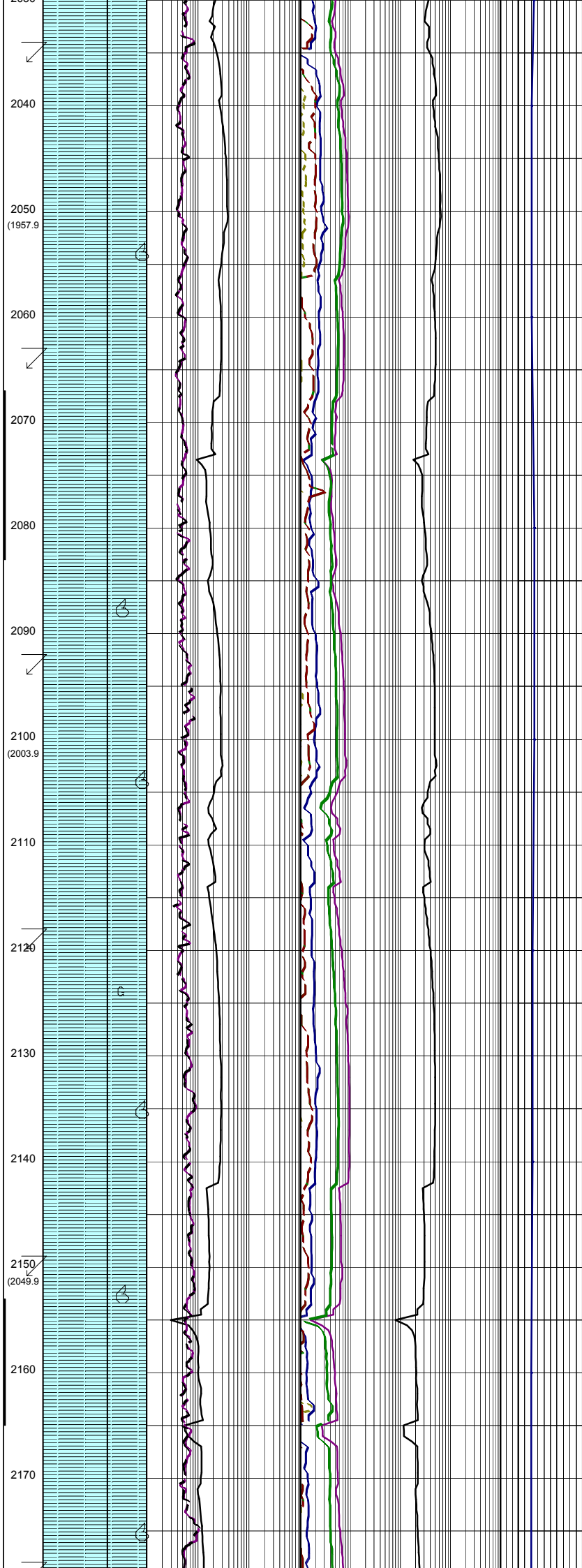
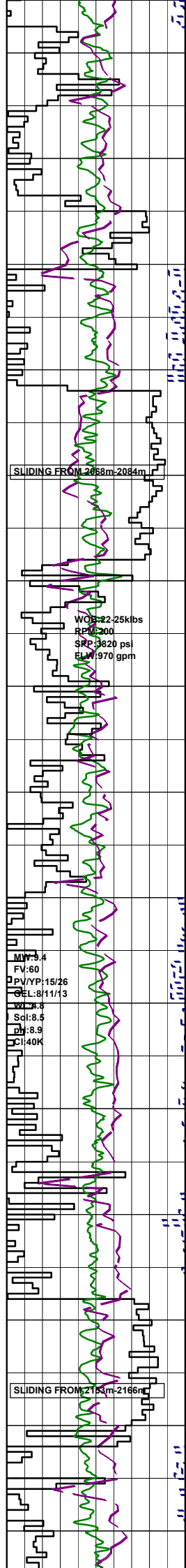
WELL : BASKER-4

FROM (m): 2000 TO (m): 3470 SCALE: 1/ 500

POSITION		HOLE / CASING INFO	
Country : AUSTRALIA	Latitude : 38°18'02.17"S	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) : xxxxm	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		

ABBREVIATIONS	LITHOLOGY LEGEND	ENGINEERING LEGEND																																																																																				
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	<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>Arg. SST</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		Arg. SST		Coal		Sponges		Fine SST		Gypsum		Glauconite		Medium SST		Lithic Fragment		Pyrite		Coarse SST		Foraminifera		Iron Minerals		Marl		Fossils		Mica		Clay, Limestone		Bryozoa		Carb Fragments	<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>DOLOMITE ALPHE</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				DOLOMITE ALPHE				RFT		
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Survey @ 2036.7m: 22.65° 265.9Az

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

Survey @ 2065.4m: 22.69° 266.0Az

SLIDING FROM 2068m-2084m

Survey @ 2094.1m: 23.82° 265.3Az

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

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

Survey @ 2122.9m: 22.88° 264.9Az

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

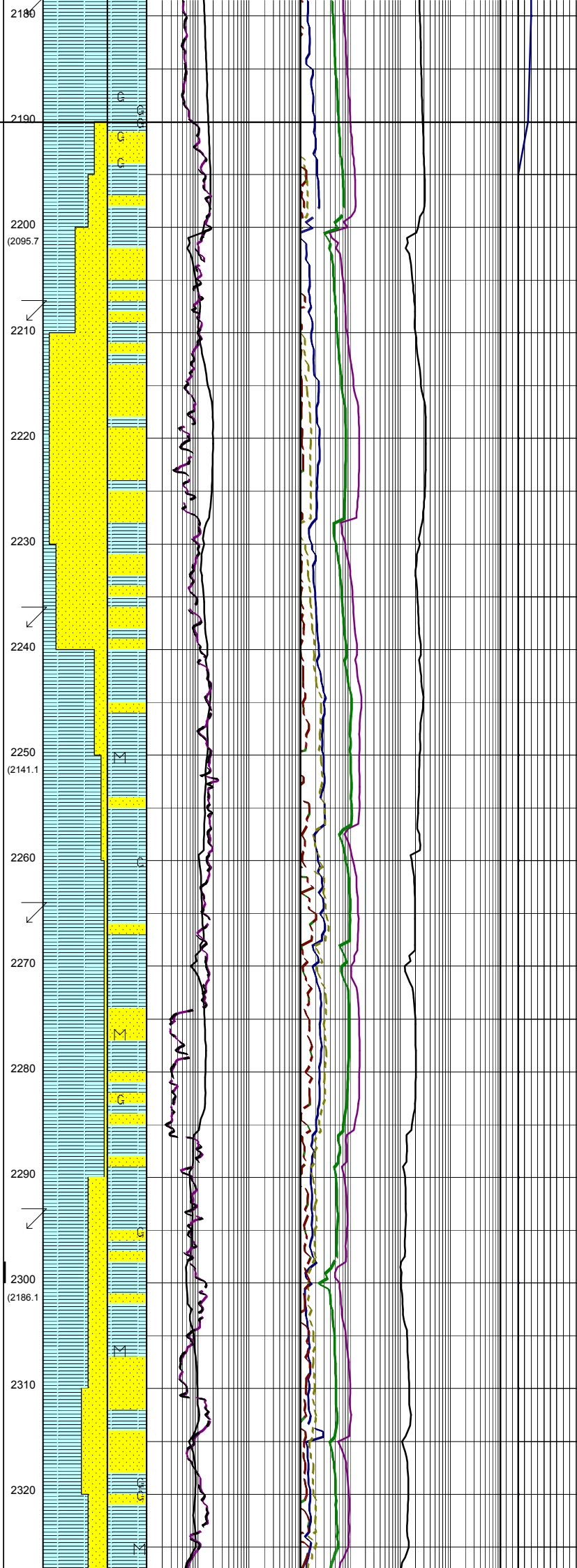
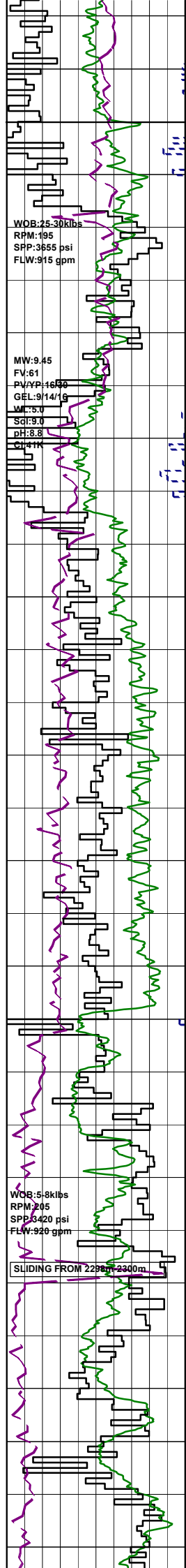
CALCAREOUS CLAYSTONE:
 med gry-med dk gry, occ dk gry,
 sft frm, mod hd i/p, blk-y-sbbkly,
 tr foss, rr-tr vf glauc grs.

Survey @ 2151.7m: 22.84° 266.3Az

SLIDING FROM 2153m-2166m

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

Survey @ 2180.6m: 23.94° 267.7Az



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 sb rmd, pr-mod srtd, appears
cln, qtz grs iron stained where
yel brn, lse-disagg, com glauc
very top

Survey @ 2209.3m: 24.32° 268.3Az

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

Survey @ 2238.1m: 25.23° 268.2Az

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

SANDSTONE: trnsl-dk yel
org, occ pl grn, v/f-med grs,
pr srtd, sbang-sbrmd, arg mtx,
mod hd, pr inf por.

Survey @ 2266.7m: 25.65° 268.2Az

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
org, occ pl grn, v/f-med grs, pr
srtd, sbang-sbrmd, arg mtx, mod hd,
pr inf por.

Survey @ 2295.2m: 26.09° 267.2Az

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 org, occ pl grn,
v/f-med grs, pr srtd, sbang-sbrmd,
arg mtx, mod hd, pr inf por.

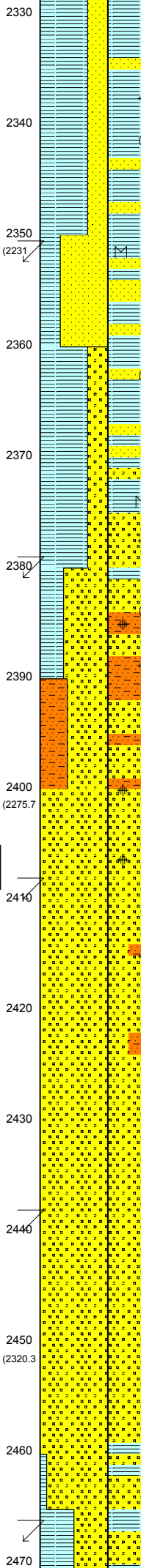
Survey @ 2323.9m: 26.23° 267.7Az

MW: 9.45
FY: 61
RV/YP: 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 yel org, occ pl grn, rr mod pnk, v/f-med grs, pr srtd, sbang-sbrnd, arg mt, pr inf por.

Survey @ 2352.6m: 26.53° 267.7Az

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

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

Survey @ 2381.6m: 26.79° 267.2Az

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 @ 2410.6m: 26.70° 266.4Az

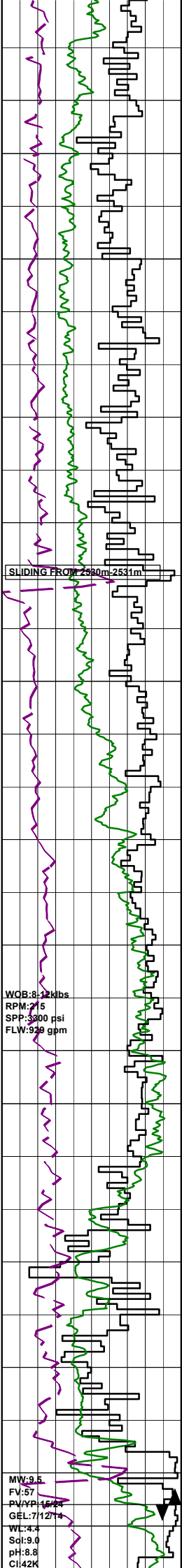
SANDSTONE: clr-frstd, tr dk yel brn, med-v/crs, abdt pell, tr pyr cmt, occ hd pyr cmt, pr srtd, gd inf por.

Survey @ 2439.3m: 26.90° 266.5Az

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 @ 2467.9m: 27.11° 266.4Az

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



SLIDING FROM 2500m-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

2480
2490
2500 (2364.7)
2510
2520
2530
2540
2550 (2409)
2560
2570
2580
2590
2600 (2453)
2610
2620

Trip Gas
25 Units

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

Survey @ 2496.6m: 27.60° 266.0Az

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

Survey @ 2525.2m: 27.72° 265.7Az

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 @ 2553.6m: 28.03° 265.5Az

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 @ 2582.4m: 28.18° 266.2Az

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 @ 2611.8m: 28.71° 266.1Az

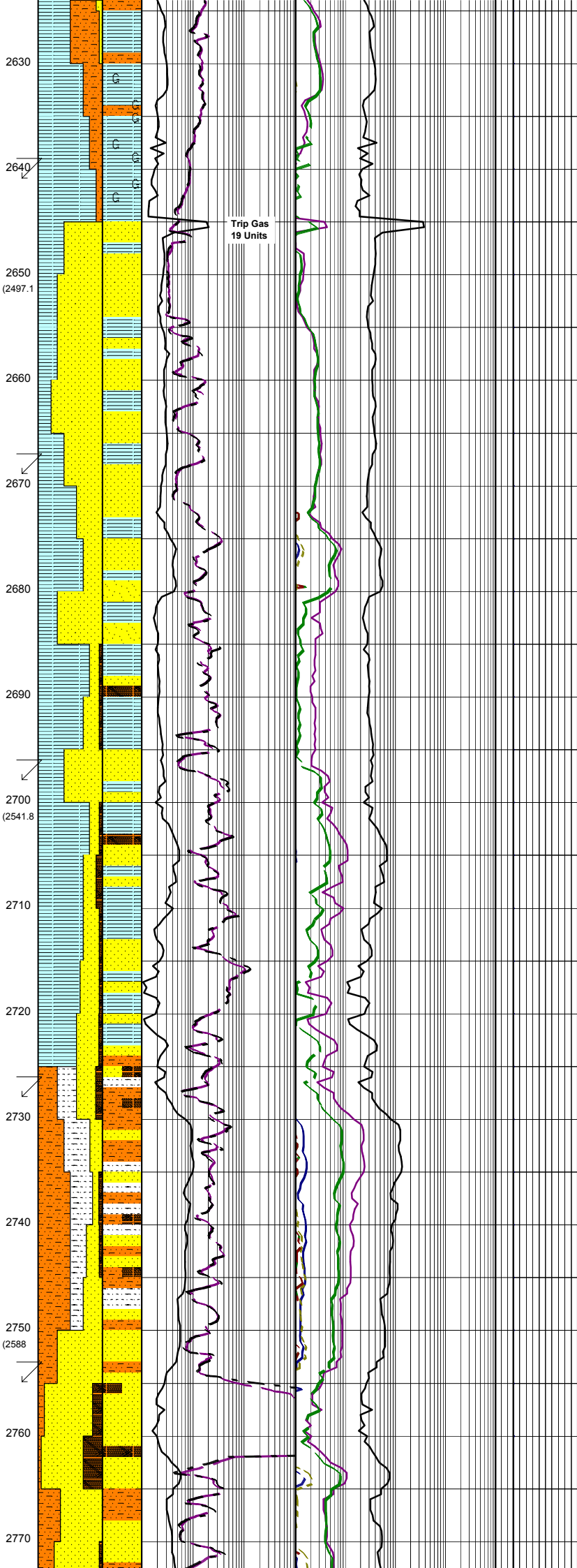
SANDSTONE: olv gry-brn gry,vf-crs,
pred f-med,sbrnd,10-30% cly,qtz
silt,gd tr-com glauc,loose-sft aggs,
tr carb spks,tr mica,gd inf por,
no shows.

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

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 klbs
 RPM:80-130
 SRP:3300-3600 psi
 FLW:890-950 gpm



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 @ 2640.9m: 27.83° 265.8Az

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 @ 2669.3m: 27.16° 265.6Az

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 @ 2697.9m: 24.86° 266.0Az

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 @ 2727.1m: 22.34° 267.4Az

ARGILLACEOUS SANDSTONE:
 wh-lt gry,vf-f,fr 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 @ 2755.4m: 20.81° 268.4Az

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

CARBONEOUS SILTSTONE:dk

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

K2 SANDSTONE
2780m MD (2616.0m TVD)

Survey @ 2784.1m: 20.58° 267.7Az

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,

K2 SANDSTONE MARKER
2790m MD (2633.8m TVD)

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

Survey @ 2813.4m: 20.73° 265.5Az

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, sbbkly,tr-gd tr carb mat & micas, non calc,g/t Siltstone and vf Arg Sandstone.

Survey @ 2841.7m: 20.35° 264.6Az

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 @ 2869.9m: 19.14° 264.8Az

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, sbbkly,tr-sli carb mat & micas, non calc,g/t Siltstone and vf Arg Sandstone.

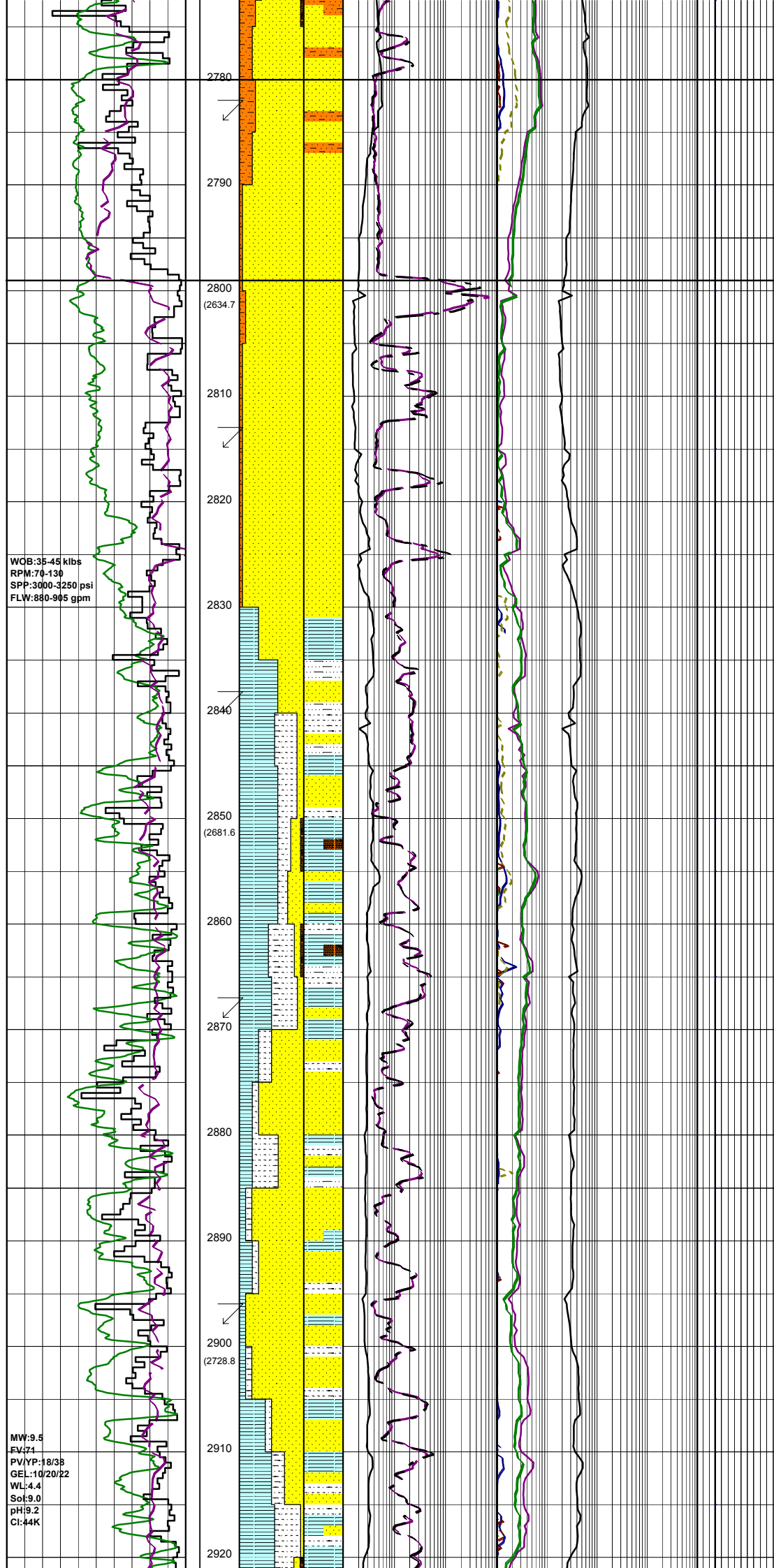
Survey @ 2898.6m: 18.93° 265.9Az

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, sbbkly,tr-sli carb mat & micas, occ carb lam,non calc,g/t Silt.

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

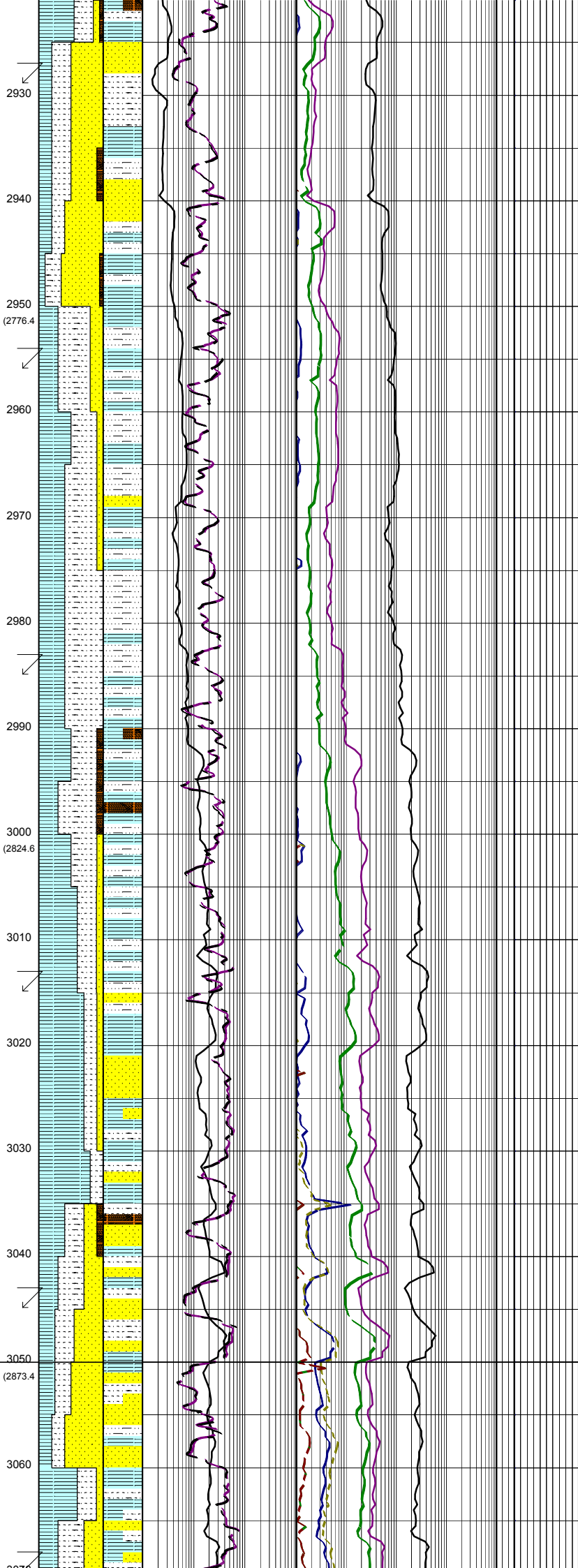
MW:9.5
EV:71
PV/YP:18/33
GEL:10/20/22
WL:4.4
Sol:9.0
pH:9.2
Cl:44K



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



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

Survey @ 2927.6m: 17.73° 265.9Az

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 @ 2956.8m: 16.24° 266.6Az

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 @ 2984.8m: 15.17° 265.4Az

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 @ 3013.5m: 13.08° 266.7Az

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-fm,sbbiky,v carb,occ lam, tr vf pyr,g/t arg Sandstone.

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

Survey @ 3042.5m: 11.59° 267.5Az

ARGILLACEOUS SANDSTONE:lt gry-It 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.

Ma2 SANDSTONE
3050m MD (2873.4m TVD)

Samples 5m Behind Calculated Lag

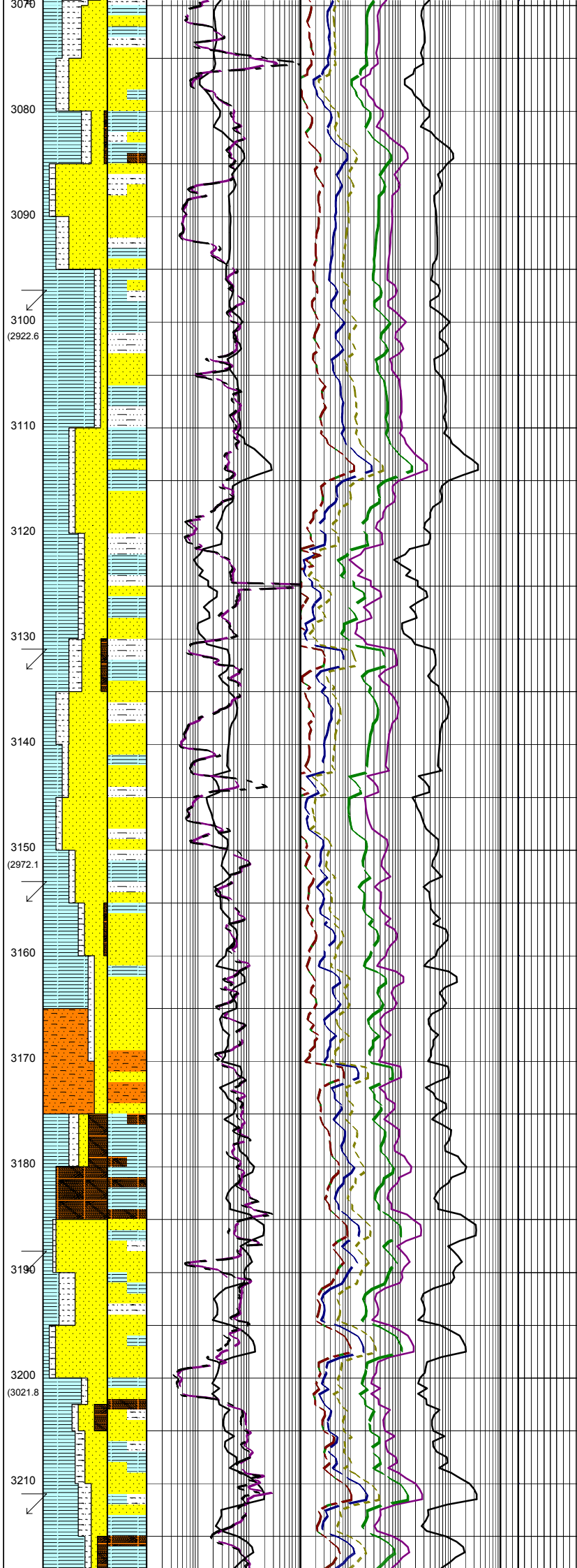
SANDSTONE:clr-trnsi,crs-v crs,occ gran,lse qtz,clin,sbang-sbrnd,mod srt,fr inf por,no fluor.

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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
GEL:10/20/22
WL:5.0
So:9.0
pH:8.5
Cl:44.5K

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



Survey @ 3070.2m: 10.14° 268.2Az

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

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

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

Survey @ 3099.5m: 8.90° 269.4Az

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

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

Survey @ 3132.8m: 7.62° 272.8Az

BIT #6: SMITH FG15BODVCP
SIZE:311mm 12.25"
JETS:3x24,1x19
IN:3130m OUT:3286m
RUN:156m HRS:27.8
COND:7-8-JD-A-E-I-SD-PR

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 @ 3154.4m: 6.95° 271.5Az

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

SANDSTONE:clr-trnsl,occ mlky,f-med grs,occ crs-v crs,mod wl srt,sbang-sbrnd,off wh-wh slty mtx,com nod & disseminated pyr,occ qtz,gd inf por.

SILTSTONE:med-dk brn gry,occ brn blk,sft-frm,blkly-sbbkly,occ sbfiss,lam,com carb mat,tr vf pyr.

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

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

Survey @ 3184.7m: 6.18° 274.4Az

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

Survey @ 3212.1m: 5.61° 271.9Az

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

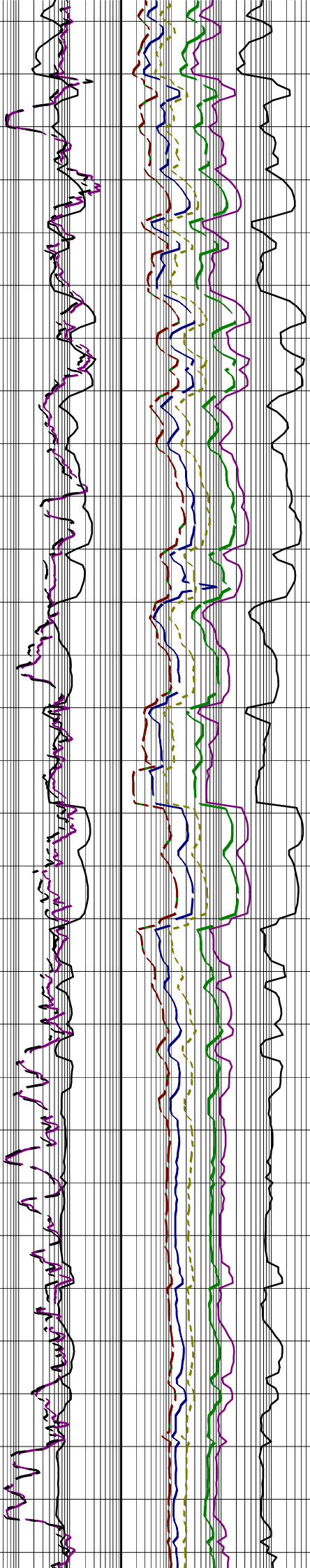
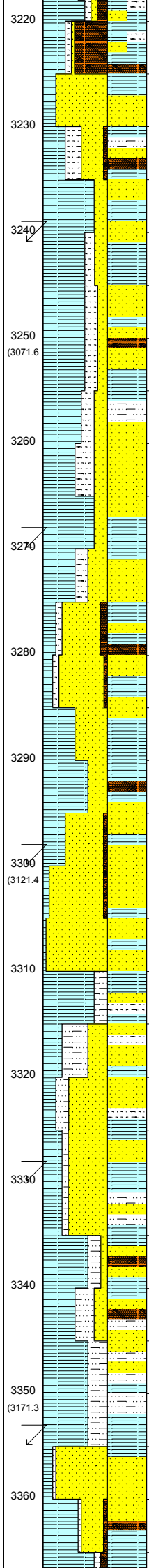
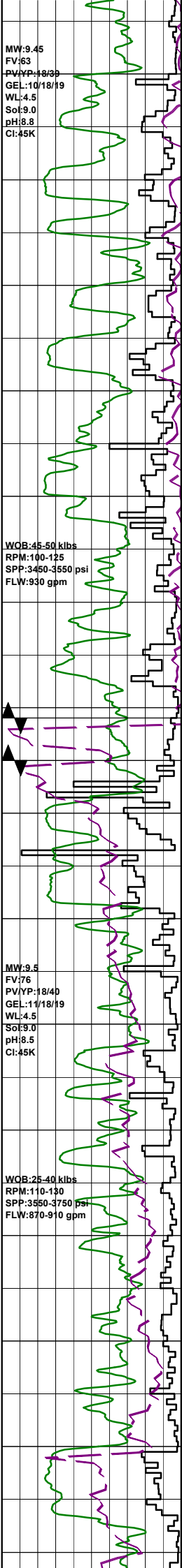
CLAYSTONE:med-dk brn gry,occ lt brn gry-brnsh blk,sft-frm,sbbkly,occ sbfiss,lam,com carb,mat,tr

MW:9.45
 FV:63
 PV/YP:18/33
 GEL:10/18/19
 WL:4.5
 Sol:9.0
 pH:8.8
 CI:45K

WOB:45-50 klbs
 RPM:100-125
 SPP:3450-3550 psi
 FLW:930 gpm

MW:9.5
 FV:76
 PV/YP:18/40
 GEL:11/18/19
 WL:4.5
 Sol:9.0
 pH:8.5
 CI:45K

WOB:25-40 klbs
 RPM:110-130
 SPP:3550-3750 psi
 FLW:870-910 gpm



SANDSTONE:clr-trnsl,occ mlky wh,pred med grs,com f-crs,occ qtz gran,sb,ng-sbrnd,mod-mod wl srt, com off wh slty mtz,com nod pyr,fr, fr-gd inf por,gd vis por,tr fluor.

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

Survey @ 3241.9m: 5.14° 272.6Az

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

SANDSTONE:trnsl-clr,mlky wh, occ trnsl yel,pred crs-med grs,occ qtz gran,sb,ng-sbrnd,mod-mod wl srt, com brn-olv arg mtz,v sft-amor,fr-gd vis por,pr-gd inf por,tr fluor.

SANDSTONE:lt olv gry,clr-trnsl qtz grs,med-crs,mod-wl srt,db,ng-sbrnd, appears clean,tr pyr,lse-aggs,fr, gd inf por,tr-wk oil shows.

FLUORESCENCE:3260m-3285m tr-10% mod bri grnsh pnpt fluor, v slw mod bri grnsh solv cut, thn crm r/r.

ARGILLACEOUS SANDSTONE:wh-lt brn,olv gry,v sft-amor,vf-f,occ med, 60% arg mtz,pr vis & inf por.

Survey @ 3270.1m: 4.86° 277.1Az

SANDSTONE:A/A,tr oil shows.

POOH at 3286m reached 0830hrs 15th May to change bit.

BIT #7: Security H77S3
 SIZE:311mm 12.25"
 JETS:3x24
 IN:3286m OUT:3290m
 RUN:4m HRS:0.8
 COND:1-3-WT-H3-E-I-SB-BHA

POOH at 3290m reached 0130hrs 16th May-cleanout junk run int of 3286-3290m MDRT.

Survey @ 3297.4m: 3.88° 281.9Az

SANDSTONE:clr-trnsl,f-vcrs,dom med,mod wl srt,sb,ng-sbrnd,rr wk cmt aggs,lse & clin,gd inf por,fluor.

FLUORESCENCE:3300-3310m,wk oil show,5-10%,dll occ mod yel wh smple fluor,slow dif dll yel solv cut,dll wh yel r/r uv.

BIT #8: REED HYCALOG TD43HKPRC
 SIZE:311mm 12.25"
 JETS:3x24,1x16
 IN:3290.0m OUT:3387.0m
 RUN:97.0m HRS:23
 COND:3-8-JD-A-F-3-LT-PR

SANDSTONE:clr-trnsl,f-vcrs,dom med,mod wl srt,sb,ng-sbrnd,calc cmt aggs i/p w dll yel calc min fluor,dom lse,gd inf por.

Survey @ 3327.1m: 3.55° 281.9Az

ARGILLACEOUS SANDSTONE:wh-lt brn,pr srt,com off wh-lt olv gry slty mtz,occ mic,fr-i v sft,pr vis & inf por, no fluor.

SILTY CLAYSTONE:brnsh blk-olv blk,grnsh blk,occ lam,occ g/t vf sst, mod hd-hd,fiss,g/t sltst.

SANDSTONE:clr-trnsl,mod wl-mod srt,sb,ng-sbrnd,occ off wh-lt olv gry,rr nod pyr,gd inf por,gd vis por,no fluor.

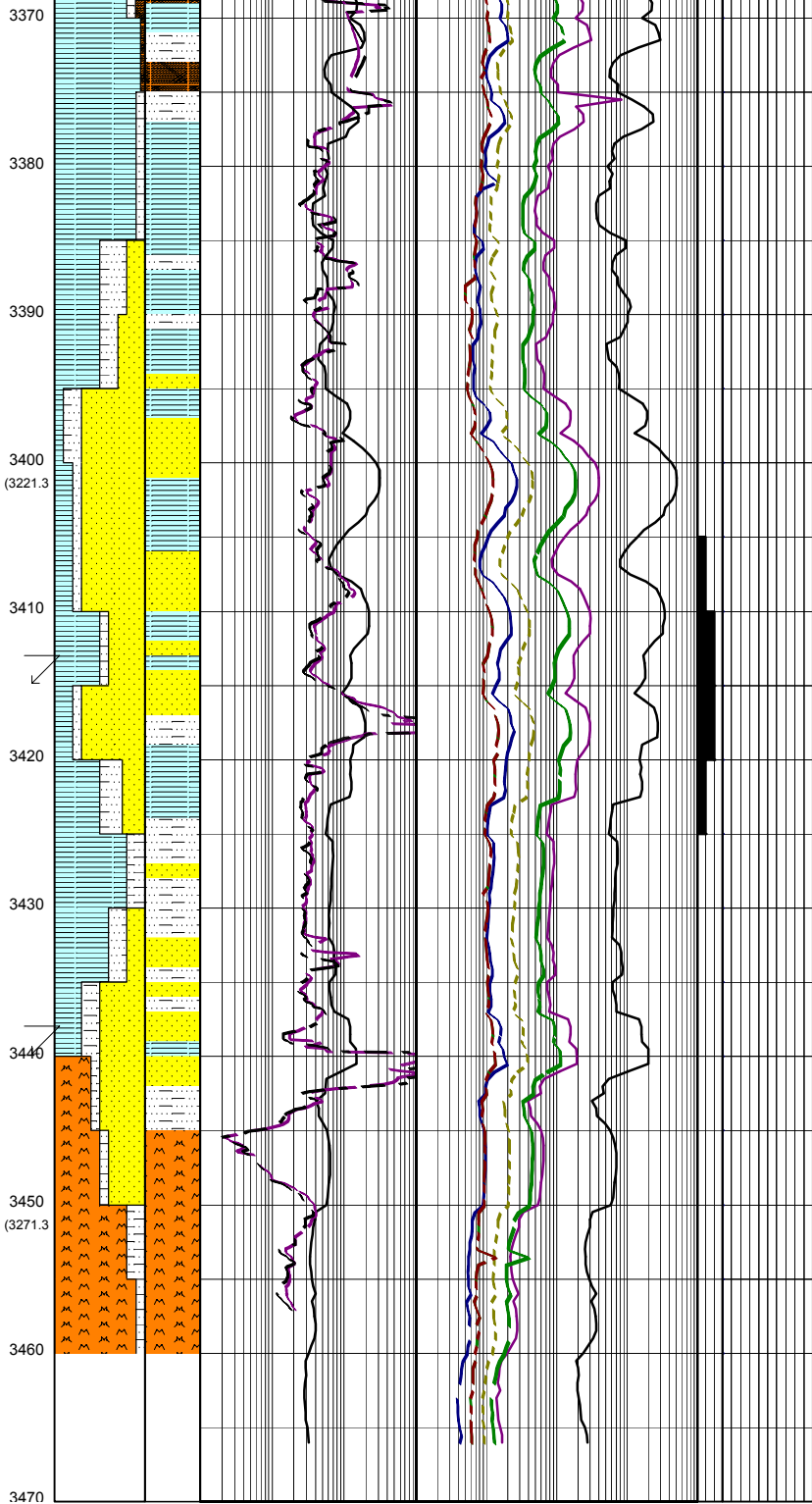
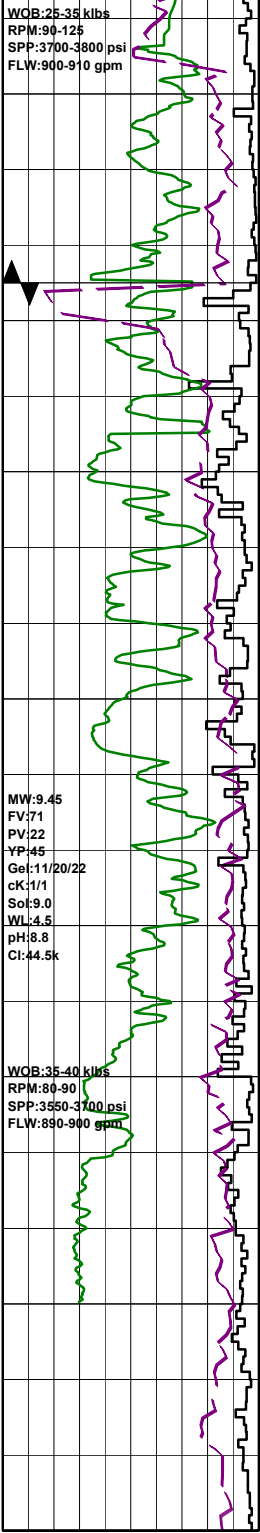
Survey @ 3355.2m: 3.03° 283.2Az

SANDSTONE:clr-trnsl,wl srt, sbrnd-sb,ng,com v hd pyr cmt,occ off wh slty mtz,gd inf por,pr vis por,no fluor.

WGB:25-35 klbs
RPM:90-125
SPP:3700-3800 psi
FLW:900-910 gpm

MW:9.45
FV:71
PV:22
YP:45
Gel:11/20/22
cK:1/1
Sol:9.0
WL:4.5
pH:8.8
Cl:44.5k

WGB:35-40 klbs
RPM:80-90
SPP:3550-3700 psi
FLW:890-900 gpm



COAL:blk w/- mnr brn blk,dom
brt w/- mnr dll,frm,blky-conch,
rr pyr.

CARBONACEOUS CLAYSTONE:
med-dk brn,blksh brn-brn blk,tr mic,
frm-occ mod hd,sbbkly-sbfiss,com-
abdt carb debris,non calc,mnr grad
to carb sltst and coal.

POOH @ 3387m due to poor ROP,
reached @ 2030 hrs 17th May.

BIT #9: Security EBXS16DSC
SIZE:311mm 12.25"
JETS:3x24,1x18
IN:3387m OUT:m
RUN:m HRS:
COND:

SANDSTONE:trnsi-clr,f-
crs,dom med,mod srt,sbang-sbrnd,
tr calc cmt,tr pyr,lse,mod vis and
inf por.

FLOURESCENCE:3405-3420m,
wk becom fr oil shows,2-30% dll-
mod br yel wh,pnpt uv fluor,slw
diff wk becom fr blu wh solv cut,
fr wh yel r/r
3420-3440m 5-10% inf cav.

Survey @ 3412.7m: 2.54° 279.4Az

CARBONACEOUS CLAYSTONE:
med brn-dk brn,blksh brn,tr pyr,
tr micmic,vstf-fm,sbbkly-amor.

SANDSTONE:clr-tmsl,occ mlky
yel,f-v crs,pred med grs,pr srt,ang-
sbang,occ dol cmt,occ v hd pyr cmt,
occ off wh olv gry slty mtb,occ nod
& dissem pyr,occ micmic,mod hd-v hd,
occ fri,fr vis por,pr inf por,occ mnr
dll yel dol min fluor.

ARGILLACEOUS SANDSTONE:trnsi-
clr,lt olv gry,lt brnsh,yelsh gry,vf-f,
mod-mod wl srt,sbang-sbrnd,occ v hd
pyr cmt,com v hd dol cmt,occ off wh
slty mtb,occ nod & dissem pyr,occ
micmic,occ qtz ovghths,mod hd-v hd,pr
vis & inf por,mnr dll yel dol min fluor.

Survey @ 3440.9m: 2.44° 280.54Az

VOLCANIC CLAYSTONE:lt grnsh
gry,dk grnsh gry,lt olv gry,com nod
& dissem pyr,v sft-mod hd,pred sft,
sbbkly-blky.