

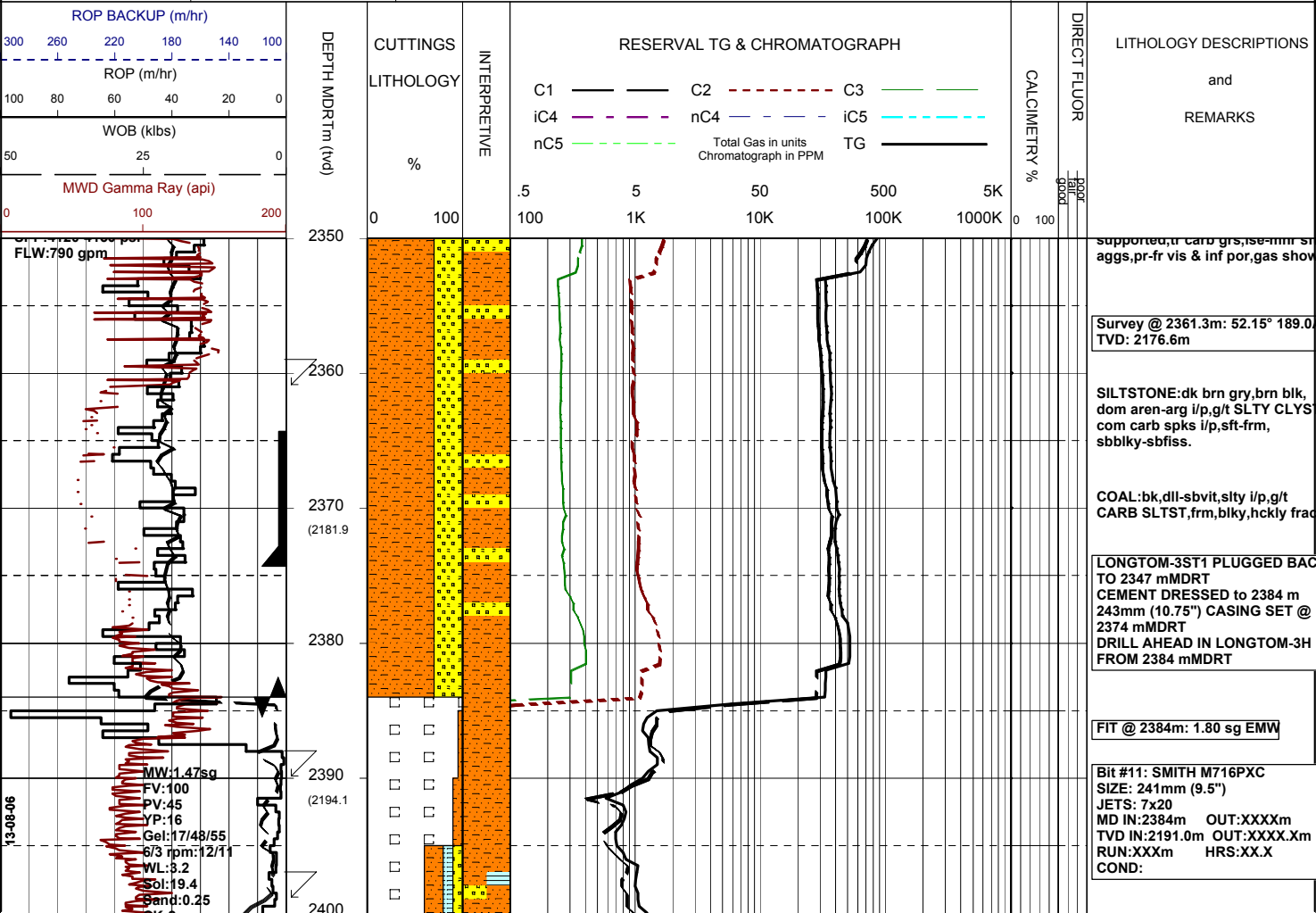


MASTERLOG LONGTOM-3H



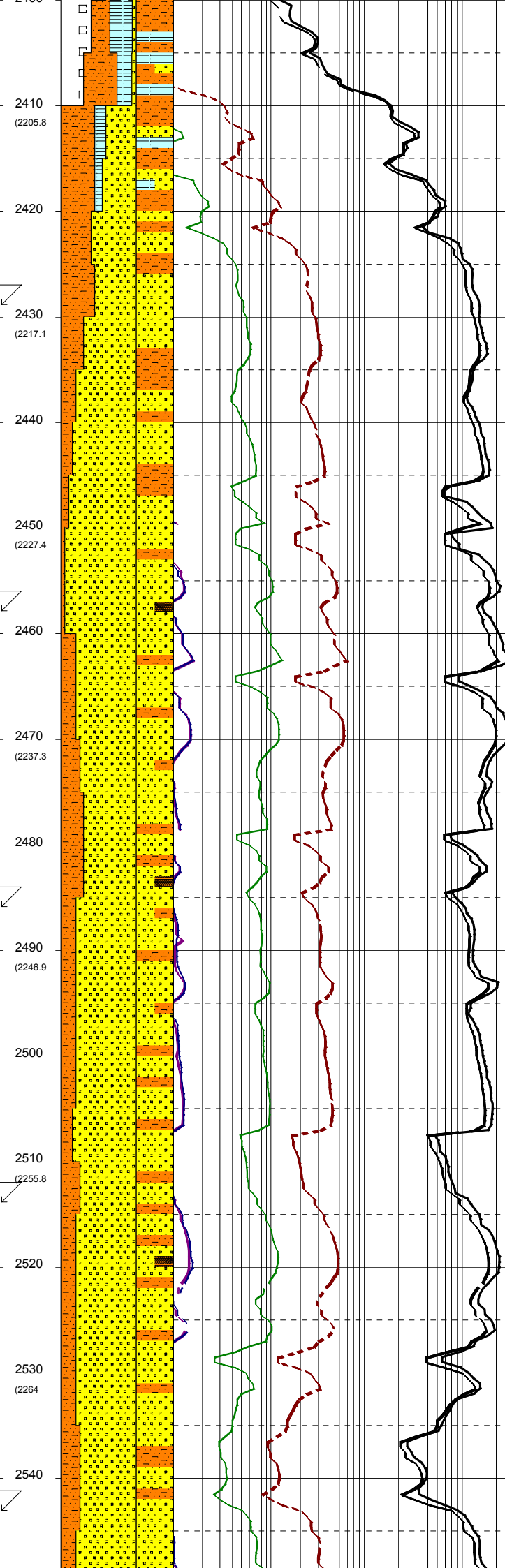
GENERAL	POSITION	HOLE / CASING INFO	DATE / DEPTH	ENGINEERS
Country : AUSTRALIA	Latitude : 38°05'34.63"S	914mm(36") hole to: 111.8m	Spud Date : 02-08-2006	T. N. KYAW
Permit : VIC/P54	Longitude : 148°18'41.52"E	559mm(22") hole to: 1005m	Total Depth Date : XX-XX-2006	A. DUNN
Field : LONGTOM	UTM Co-ord X (m E): 615006	241mm(9 1/2") hole to: m	Total Depth (mMDRT): m	D. ADDERLEY
Basin : GIPPSLAND	UTM Co-ord Y (m N): 5783059.3	762mm(30") Cond. to: 110.8m	True Vertical Depth (mTVDSS): m	P. RADY
Well Type : APPRAISAL	RT to LAT (m): 21.5	406mm(16") Csg. to: 995.32m	Log Scale : 1/ 500	
Rig: OCEAN PATRIOT	RT to Sea Bed (m): 78.2		Final Status : ??	

ABBREVIATIONS	LITHOLOGY LEGEND	ENGINEERING LEGEND																																																														
MW Mud Weight FV Funnel Viscosity PV Plastic Viscosity YP Yield Point Gel Gel Strength WL Water Loss KCl Potassium Chloride Cl Chlorides Incl Inclination Az Azimuth	<table style="width: 100%;"> <tr> <td>WOB Weight on Bit (klbs)</td> <td>Claystone</td> <td>Marl</td> <td>Lithic Fragment</td> <td>Cement</td> </tr> <tr> <td>RPM Rotations Per Min</td> <td>Siltstone</td> <td>Clay, Limestone</td> <td>Foraminifera</td> <td>Glauconite</td> </tr> <tr> <td>FLW Flow Rate (gpm)</td> <td>Shale</td> <td>Limestone</td> <td>Fossils</td> <td>Pyrite</td> </tr> <tr> <td>SPP Pump Pressure (psi)</td> <td>Fine SST</td> <td>Dolomite</td> <td>Bryozoa</td> <td>Iron Minerals</td> </tr> <tr> <td>RR Re-Run Bit</td> <td>Medium SST</td> <td>Coal</td> <td>Sponges</td> <td>Mica</td> </tr> <tr> <td>TG Trip Gas</td> <td>Coarse SST</td> <td>Volcanic</td> <td>Brachiopoda</td> <td>Siderite</td> </tr> <tr> <td>CG Connection Gas</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BG Background Gas</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DGP Drilled Gas Peak</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MM Mud Motor</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	WOB Weight on Bit (klbs)	Claystone	Marl	Lithic Fragment	Cement	RPM Rotations Per Min	Siltstone	Clay, Limestone	Foraminifera	Glauconite	FLW Flow Rate (gpm)	Shale	Limestone	Fossils	Pyrite	SPP Pump Pressure (psi)	Fine SST	Dolomite	Bryozoa	Iron Minerals	RR Re-Run Bit	Medium SST	Coal	Sponges	Mica	TG Trip Gas	Coarse SST	Volcanic	Brachiopoda	Siderite	CG Connection Gas					BG Background Gas					DGP Drilled Gas Peak					MM Mud Motor					<table style="width: 100%;"> <tr> <td>Shoe</td> <td>DOLOMITE</td> </tr> <tr> <td>Deviation survey</td> <td>RFT</td> </tr> <tr> <td>DST</td> <td>FIT</td> </tr> <tr> <td>TEST Test</td> <td>Mud loss</td> </tr> <tr> <td>Sidewall Core</td> <td>Mud gain</td> </tr> <tr> <td>Core</td> <td></td> </tr> </table>	Shoe	DOLOMITE	Deviation survey	RFT	DST	FIT	TEST Test	Mud loss	Sidewall Core	Mud gain	Core	
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WQB:10-18 kls
RPM:160-180
SPP:3500-4060 psi
FLW:660-730 gpm

WOB:10-18 kbs
RPM:160-170
SPP:3900-4050 psi
FLW:720-800 gpm



2410 (2205.8)
2420
2430 (2217.1)
2440
2450 (2227.4)
2460
2470 (2237.3)
2480
2490 (2246.9)
2500
2510 (2255.8)
2520
2530 (2264)
2540

SILTSTONE:med dk brn,dk gry, dom arg g/t SLTY CLYST,com carb spks,frm-mod hd,sbbiky-sbfiss.

Survey @ 2399.8m: 53.53° 190.4°
TVD: 2200.1m

CLAYSTONE:dk gry,br gry,carb spks & lsm,frm-rr mod hd, sbbiky-blky.

SANDSTONE:clr-trnsl,grs,dom rrr crs,mod wl srtd,sbang-sbrnd, mod strg sil cmt,tr arg mtx,tr carb spks,lse-mnr fri,pr-fr vis & inf por,gas show.

Survey @ 2428.9m: 57.75° 191.2°
TVD: 2216.5m

SILTSTONE:med dk brn,dk gry, dom arg g/t SLTY CLYST,com carb spks,frm-mod hd,sbbiky-sbfiss.

SANDSTONE:clr-trnsl,dom f-me mod wl srtd,sbang-sbrnd, tr sil cmt,mod wk calc cmt,rr carb spks,dom lse-mnr fri,pr-fr vis & inf por,gas show.

Survey @ 2457.8m: 59.95° 191.2°
TVD: 2231.4m

SILTSTONE:med dk brn,dk gry, dom arg g/t SLTY CLYST,com carb spks,frm-mod hd,sbbiky-sbfiss.

Survey @ 2486.8m: 62.12° 191.8°
TVD: 2245.5m

SANDSTONE:clr-trnsl,dom f-me rrr crs,mod wl srtd,sbang-sbrnd, mod wk calc cmt,com arg mtx,com mtx spprted,tr carb spks,dom lsmnr fri aggs,fr inf & vis por, gas show.

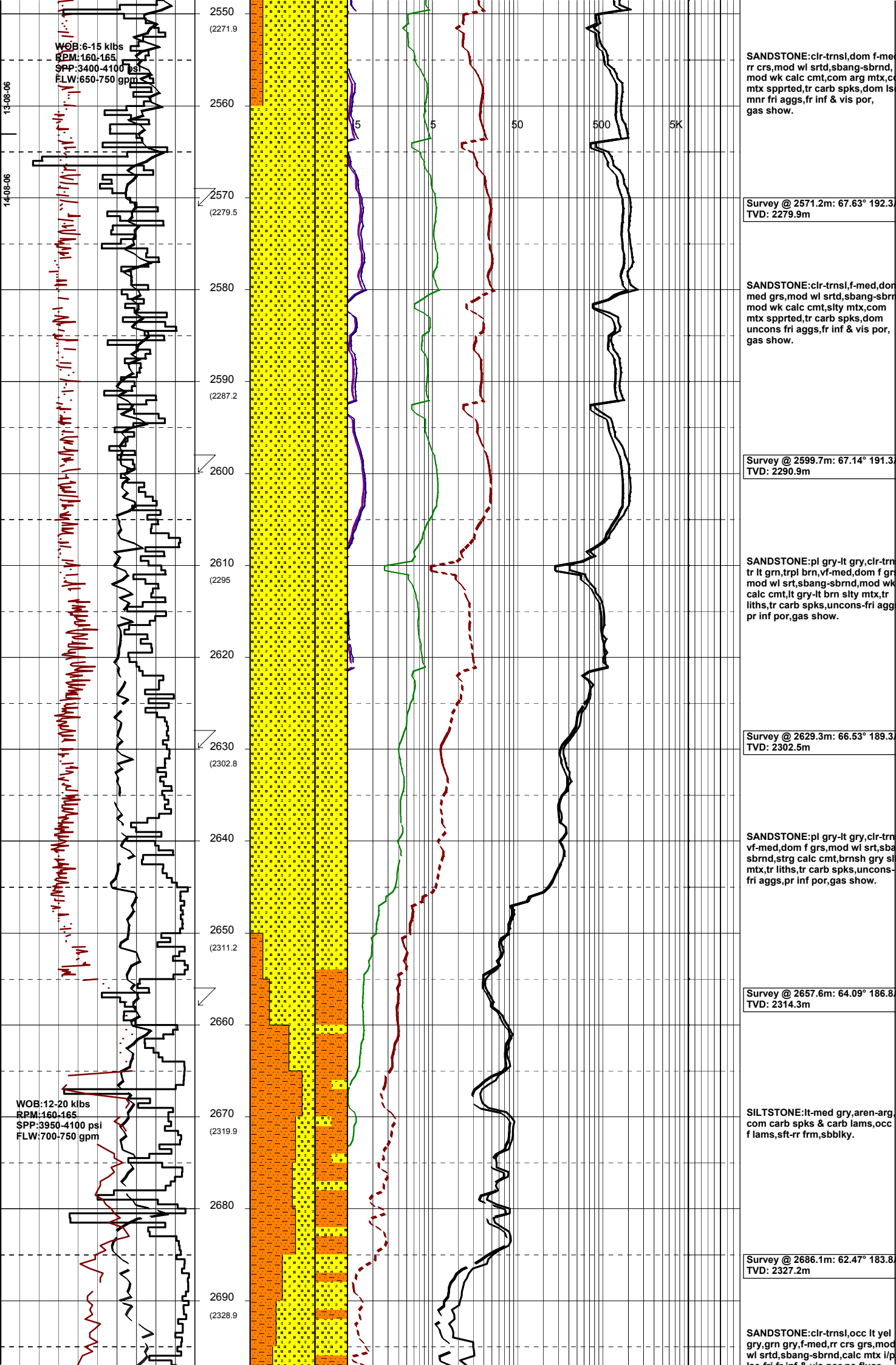
COAL:blk-brnsh blk,dli-sbvit,blk v stly i/p & g/t CARBONACEOUS SILTST.

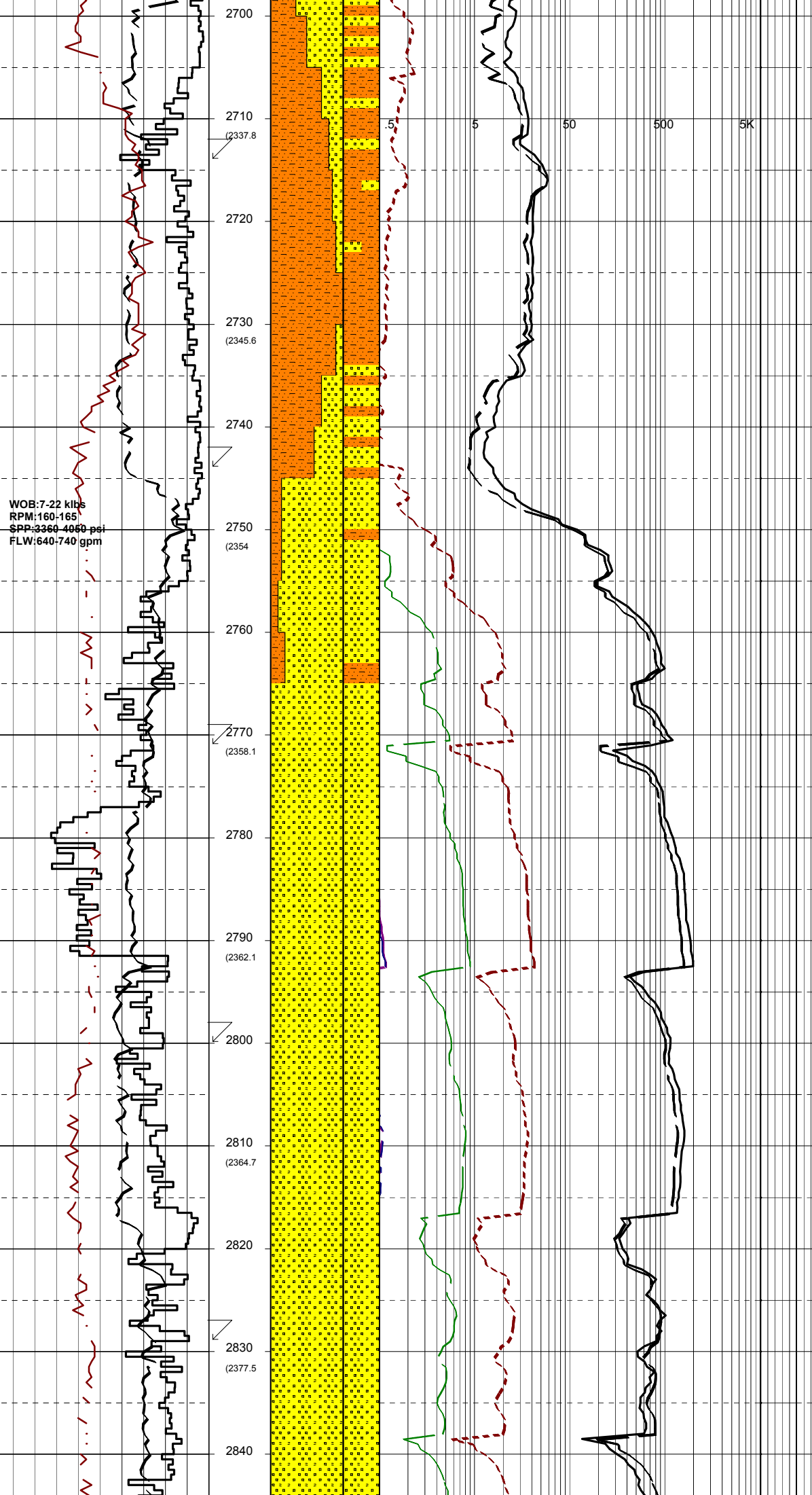
Survey @ 2514.6m: 65.25° 193.0°
TVD: 2257.8m

SILTSTONE:lt-med brn gry,com dk brn gry,dom aren,arg i/p, g/t SLTY CLYST,com carb spks, frm-mod hd,sbbiky-sbfiss.

SANDSTONE:clr-trnsl,dom f-me rrr crs,mod wl srtd,sbang-sbrnd, mod wk calc cmt,com arg mtx,com mtx spprted,tr carb spks,dom lsmnr fri aggs,fr inf & vis por, gas show.

Survey @ 2543.2m: 67.51° 193.2°
TVD: 2269.2m





WOB: 7-22 kibs
 RPM: 160-165
 SPR: 3360-4060 psi
 FLW: 640-740 gpm

SILTSTONE: med gry-med dk gry
 aren-arg, carb spks, occ lam,
 frm, blkly.

Survey @ 2714.8m: 64.94° 185.5
 TVD: 2339.9m

SANDSTONE: clr-trnsl, occ lt yel
 gry, grn gry, dom f-med, rr crs, mo
 wl srt, sbang-sbrnd, calc mtx i/p
 lse-fri, fr inf & vis por, no fluor.

SILTSTONE: med gry-med dk gry
 aren-arg, tr carb spks, occ lam,
 frm, blkly.

Survey @ 2743.2m: 70.85° 187.3
 TVD: 2350.6m

SANDSTONE: lt gry, clr-trnsl, occ
 yel gry, grn gry, dom f-med, rr crs
 mod wl srt, sbang-sbrnd, calc m
 i/p & occ strg calc cmt, uncons-
 fri aggs, fr inf & vis por, gas show

Survey @ 2771.4m: 72.34° 188.7
 TVD: 2359.5m

SANDSTONE: pl gry-lt gry, clr-
 trnsl, tr pl grn-lt grn, vf-
 med, wl srt, sbrnd, off wh-wh
 arg mtx, tr liths, abdt carb
 grs & frags, uncons-fri aggs,
 fr inf por, gas show.

Survey @ 2799.8m: 71.80° 188.8
 TVD: 2368.2m

SANDSTONE: lt gry, clr-trnsl, tr pl
 grn-lt grn, vf-med, wl srt, sbrnd,
 off wh-wh arg mtx, tr liths, abdt
 carb grs & frags, uncons-fri aggs
 fr inf por, gas show.

Survey @ 2828.8m: 72.42° 188.4
 TVD: 2377.1m

SANDSTONE: lt gry, clr-trnsl, tr
 pl grn, rr pl org, vf-med, wl
 srt, sbrnd, off wh-wh arg mtx,
 tr liths, abdt carb grs & frags,
 uncons-fri aggs, fr inf por, gas
 show

WOB:19.6 klbs
RPM:172
SPP:4080 psi
FLW:734 gpm

2850
(2383.9)

Survey @ 2857.4m: 70.32° 187.9°
TVD: 2386.3m

SILTSTONE:med gry-dk gry,aren
arg,occ carb spks,sft-frm,
sbbiky.

2860

.5 5 50 500 5K

2870
(2390.8)

Survey @ 2885.9m: 67.1° 188.0°
TVD: 2396.6m

SANDSTONE:lt gry,clr-trnsl, tr
pl grn-lt grn,rr pl orng,f-dom
med,wl srt,sbrnd,off wh-wh arg
mtx,tr liths,com carb grs & frags
dom unconc-occ fri aggs,gd inf
por,gas show.

2890
(2398.3)

Survey @ 2914.9m: 63.93° 186.0°
TVD: 2408.6m

SILTSTONE:med gry-dk gry,aren
arg,occ carb spks,sft-frm,
sbbiky.

2910
(2406.6)

REPAIR DEGASSER FROM
2919m to 2938m

CLAYSTONE:brn-gry,v sft-sft,bl
elongate,splintery in part,
massive and uniform.

2920

2930
(2415.4)

Survey @ 2943.8m: 62.42° 186.9°
TVD: 2421.6m

SILTSTONE:med gry-dk gry,aren
arg,occ carb spks,sft-frm,
sbbiky.

2940

WOB:17.1 klbs
RPM:162
SPP:4080 psi
FLW:731 gpm

2950
(2424.6)

Survey @ 2971.86m: 62.12° 187.4°
TVD: 2434.7m

SILTSTONE:med gry-dk gry,aren
arg,occ carb spks,sft-frm,
sbbiky.

2960

2970
(2433.9)

2980

2990
(2443.1)

SBBLKY.

Survey @ 3000.89m: 62.71° 191.1°
TVD: 2448.2m

CLAYSTONE:brn-gry to dk greenish gry,v sft-sft,blky,elongate, splintery i/p,massive and uniform

CLAYSTONE:brn gry to dk greenish gry,light brn dolomite firm to mod hd,blky,elongate, splintery i/p,massive & uniform.

SANDSTONE:off wh,lt greenish v-sft,aggs vf-f,grading to SLTST md-wl sorted,mod lt brn dolomite cmt,60% slty mtx,pr inf por.

Survey @ 3029.7m: 64.69° 192.6°
TVD: 2461.0m

SILTSTONE:brnsh gry,sft-sbfrm sbblky,occ blky,v aren,carb spks com v f sand.

Survey @ 3058.5m: 67.97° 193.5°
TVD: 2472.5m

SILTY CLAYSTONE:olv gry,v sft sft,sbblky,rr carb spks,uniform slty i/p.

Survey @ 3087.5m: 70.40° 194.1°
TVD: 2482.8m

SILTY CLAYSTONE:dk gry-olv gry arg,v sft-sft,homogenous, amorph.

Survey @ 3116.0m: 72.13° 193.5°
TVD: 2492.0m

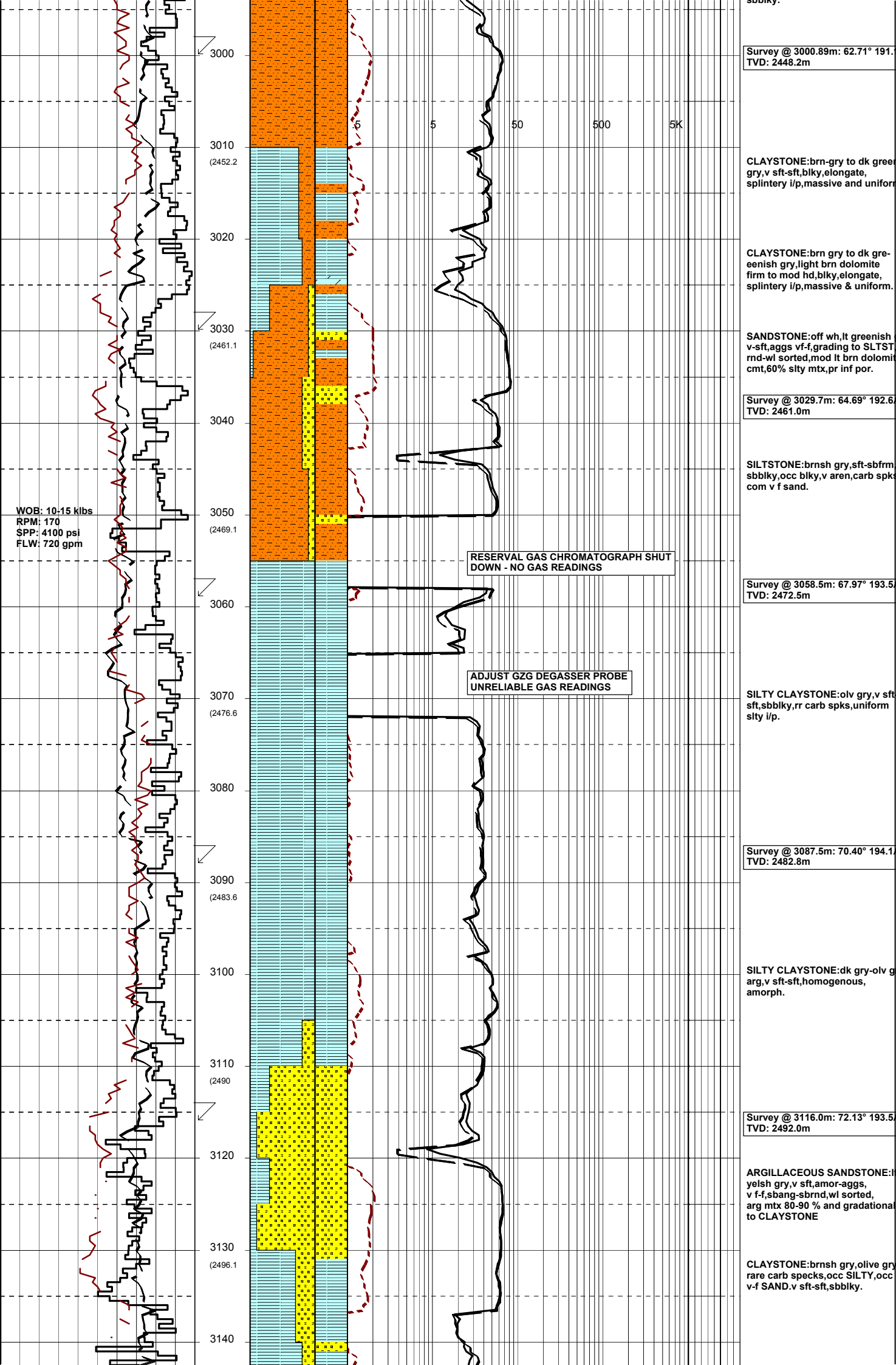
ARGILLACEOUS SANDSTONE:lt yelsh gry,v sft,amor-aggs, v f-f,sbang-sbrnd,wl sorted, arg mtx 80-90 % and gradational to CLAYSTONE

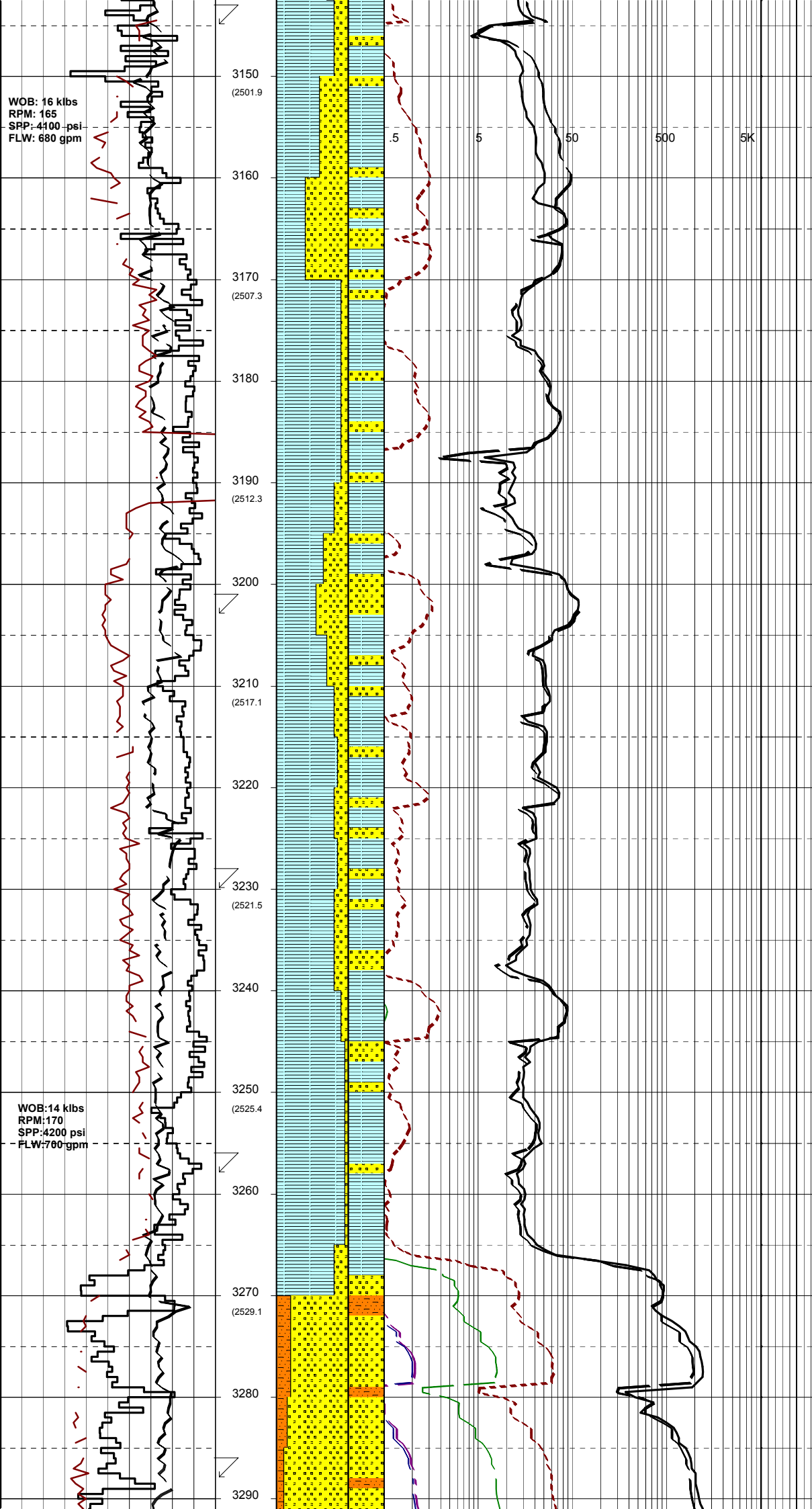
CLAYSTONE:brnsh gry,olive gry rare carb specks,occ SILTY,occ v-f SAND.v sft-sft,sbblky.

WOB: 10-15 klbs
RPM: 170
SPP: 4100 psi
FLW: 720 gpm

RESERVAL GAS CHROMATOGRAPH SHUT DOWN - NO GAS READINGS

ADJUST GZG DEGASSER PROBE UNRELIABLE GAS READINGS





Survey @ 3145.0m: 73.65° 190.9°
TVD: 2500.5m

ARGILLACEOUS SANDSTONE: lt yelsh gry, vf-f, wl sorted, sbang-sbrnd, arg mtx 80-90 % & g/t
CLAYSTONE: v sft amor aggs.

CLAYSTONE: brnsh gry-olive gry, rare carb specks, sily l/p, v sft-sft, sbbiky.

Survey @ 3202.02m: 76.15° 188.8°
TVD: 2515.3m

ARGILLACEOUS SANDSTONE: lt gry, col-trnsl, f-med, mod srt, sbang-sbrnd, wk calc cmt, brnsh gry arg mtx, tr carb spks, uncons fri aggs, fr inf por, no fluor.

SILTY CLAYSTONE: dk gry-grysh grnsh gry, arg-aren, v sft-sft, amorph.

Survey @ 3229.9m: 78.21° 189.0°
TVD: 2521.5m

ARGILLACEOUS SANDSTONE: lt gry, col-trnsl, f-med, mod srt, arg mtx, tr carb spks, amorph aggs, fr inf por, no fluor.

SILTY CLAYSTONE: med dk gry-blk, tr med lt gry-med gry, arg-aren, tr liths, tr carb spks & lams, v sft-sft, frm l/p, amorph.

Survey @ 3257.8m: 79.5° 189.7°
TVD: 2526.9m

TOP OF 100 SAND @ MD=3268m

SILTSTONE: med gry-olv gry, are abdt carb grs, frm-occ mod hd, blkly.

SANDSTONE: pl gry-lt gry, clr-trnsl, pl grn-lt grn, olv grn, rr pl orng, f-med, mod wl srt, sbang-sbrnd, off wh-brnsh gry arg mtx, tr liths, abdt carb grs, uncons-fri aggs, fr inf por, gas show.

Survey @ 3287.1m: 79.84° 188.4
TVD: 2532.1m

SILTSTONE: med gry- olv gry,
frm, blk, aren, carb spk.

Survey @ 3316.29m: 81.38° 188.8
TVD: 2536.9m

SANDSTONE: off wh, lt yell-gry,
grs clr trns, grn, occ-orn-g-brn,
blk carb, f-med, wl sorted, sbang-
md, 60% lse & 40% fri aggs, calc-
i/p, calc grs, wk calc cmt, mtx-
10-40 %, com carb grs, occ carb

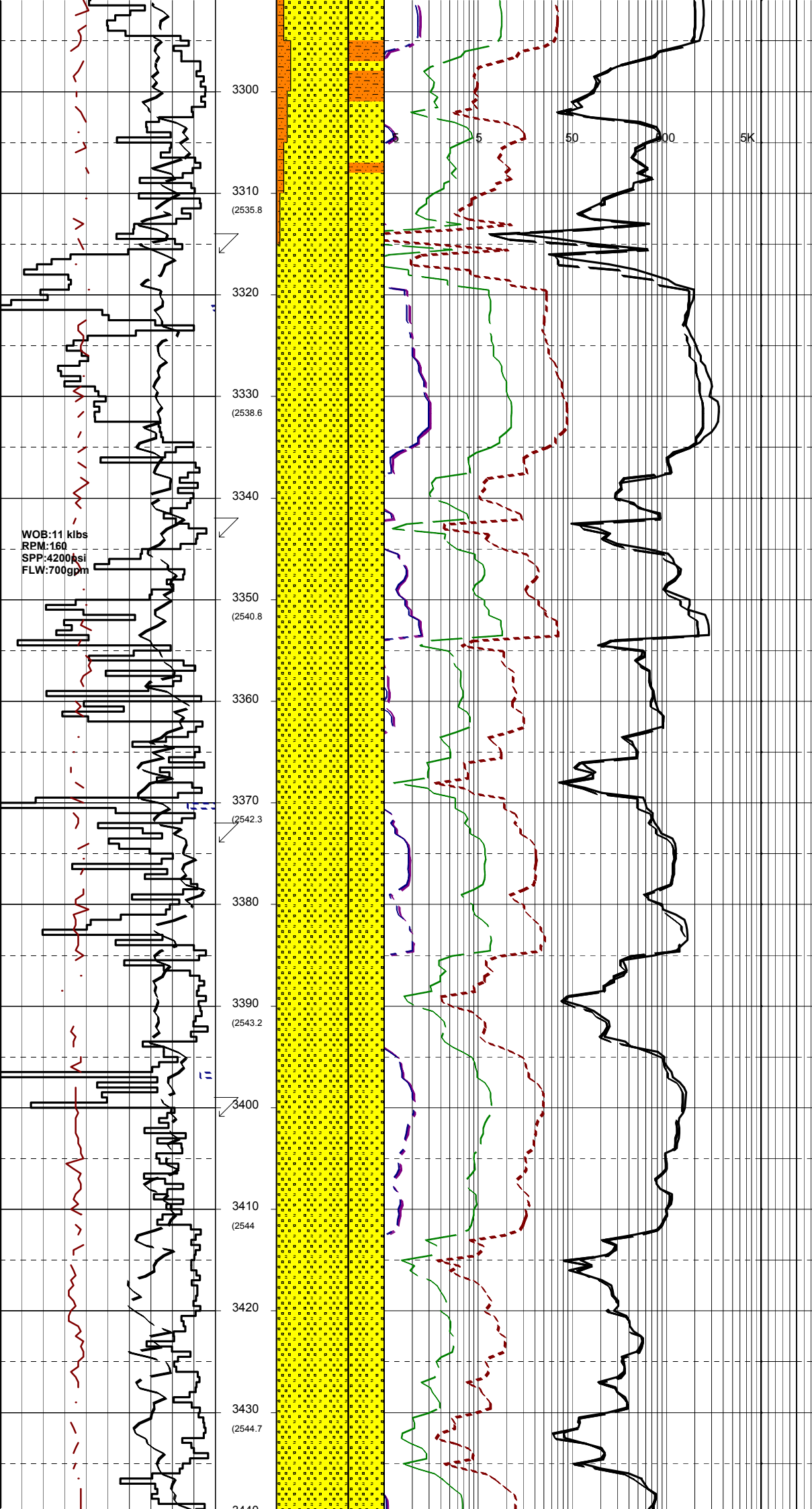
Survey @ 3344.87m: 84.32° 189.5
TVD: 2540.4m

Survey @ 3373.11m: 87.05° 190.0
TVD: 2542.5m

SANDSTONE: lt gry, lt yell-gry
grs: clr-trns, mnr blk, pl grn,
orgn brn, f-med, sbrnd to sbang,
80-90 % lse, 10-20% v sft aggs
with 10-20 % arg mtx, gd inf por,
gas show.

Survey @ 3401.37m: 88.54° 190.5
TVD: 2543.6m

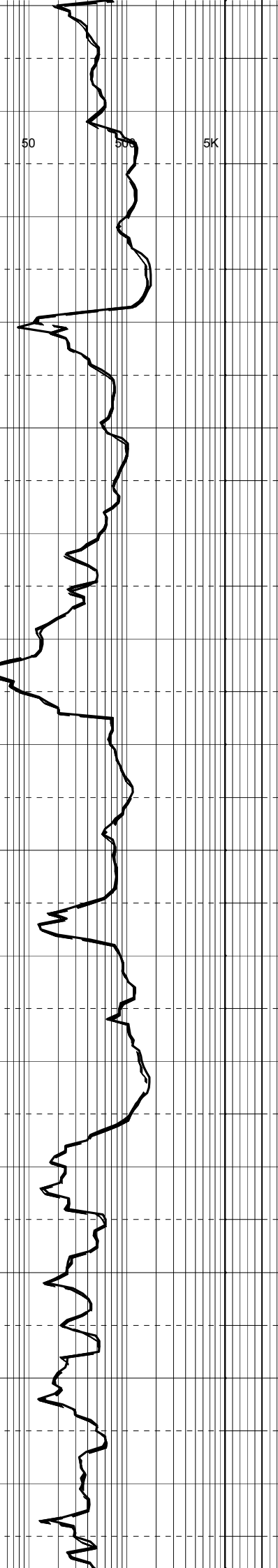
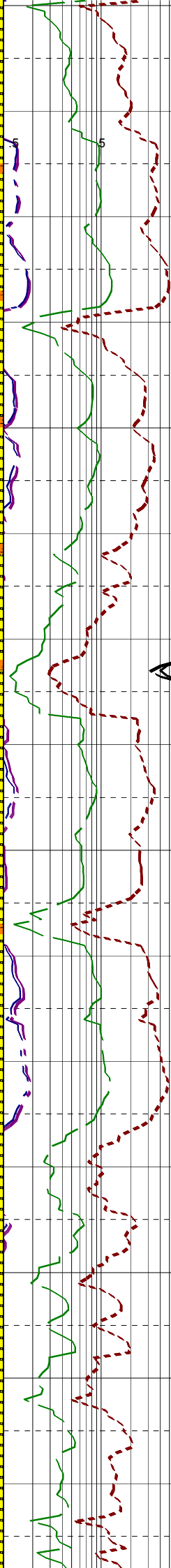
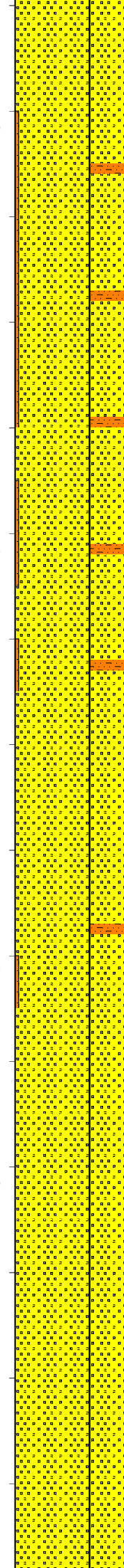
SANDSTONE: lt gy, lt yel-gy, GRA
clr-trns, mnr blk, pl grn, orgn-br
f-med, sbrnd-sbang, 50% loose, 50
sft aggs w/- 10-30% arg mtx, gd
inf por.



WOB:9-20 klbs
RPM:160-180
SPP:3900-4340 psi
FLW:685-695 gpm

WOB:7-20 klbs
RPM:120-160
SPP:3800-4400 psi
FLW:640-700 gpm

3440
3450 (2545.9)
3460
3470 (2547.1)
3480
3490 (2548.3)
3500
3510 (2549.1)
3520
3530 (2549.7)
3540
3550 (2549.9)
3560
3570 (2550)
3580



Survey @ 3456.45m: 85.84° 189.7
TVD: 2546.2m

SILTSTONE:olv gy,mod hg-hd,b aren.

SANDSTONE:lt gy,lt yel-gy,GR cl-trnsl,mnr blk,pl grn,org-br, f-med,sbrnd-sbang,30% loose,7 sft aggs w/- 60-70% arg mtx,wh i/p,fr inf por.

SILTSTONE:psble caving,olv gy hd hd,blk,y,aren.

SANDSTONE:lt gy,lt yel-gy,GR cl-trnsl,mnr blk,pl grn,org-br, f-med,sbrnd-sbang,90% loose,7 sft aggs w/- 20-30% arg mtx,wh i/p,fr-gd inf por..

Survey @ 3484.78m: 86.88° 187.3
TVD: 2548.2m

SILTSTONE:olv gy,mod hg-hd,b aren.

Survey @ 3513.53m: 88.17° 186.4
TVD: 2549.3m

SANDSTONE:lt gy,lt yel-gy,GR cl-trnsl,mnr blk,pl grn,org-br, f-dom,med f,sbrnd-sbang,90% loose,10% vsft aggs,w/- 20-30% arg mt wh kao mtx i/p,fr-gd inf por..

SILTSTONE:olv gy,mod hg-hd,b aren.

Survey @ 3542.58m: 89.17° 187.3
TVD: 2549.8m

SANDSTONE:lt gy,lt yel-gy,GR cl-trnsl,mnr blk,pl grn,org-br, f-med f,sbrnd-sbang,90% loose, vsft aggs w/- 20-30% arg mtx,wh kao mtx i/p,fr-gd inf por..

Survey @ 3573.26m: 90.54° 186.5
TVD: 2549.7m

SANDSTONE:lt gy, olv gy, lt yel gy,occ mottpl grn/lt gy, grs:cl-trnsl,occ pl grn, org brn,& blk, f-med,mod-well-sorted,subrmd-sbang,tr calc grs,70% loose,30 vsft aggs w/- 20-40% arg mtx,wh kao mtx i/p, slightly calc,occ carb,fr inf por.

