

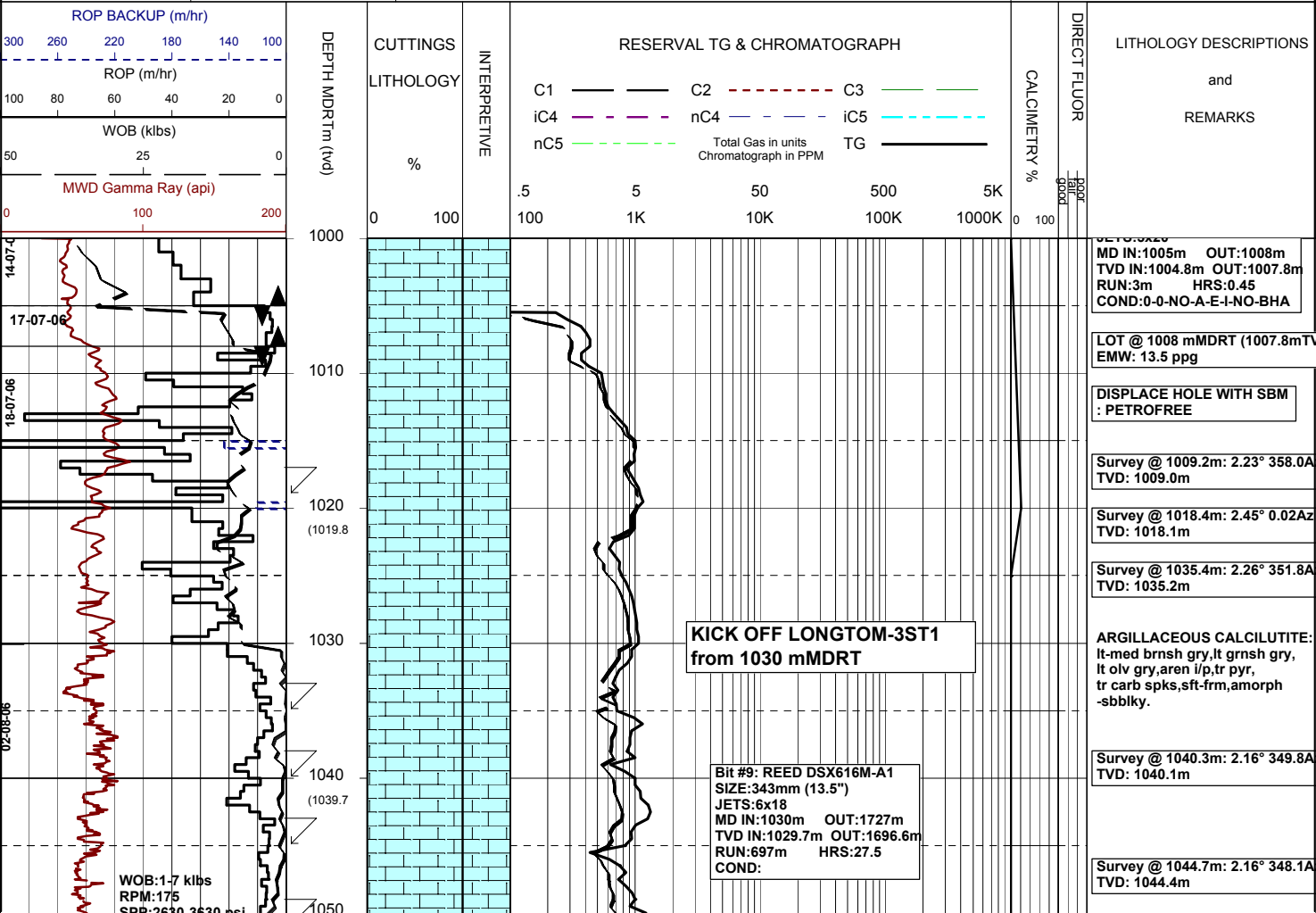


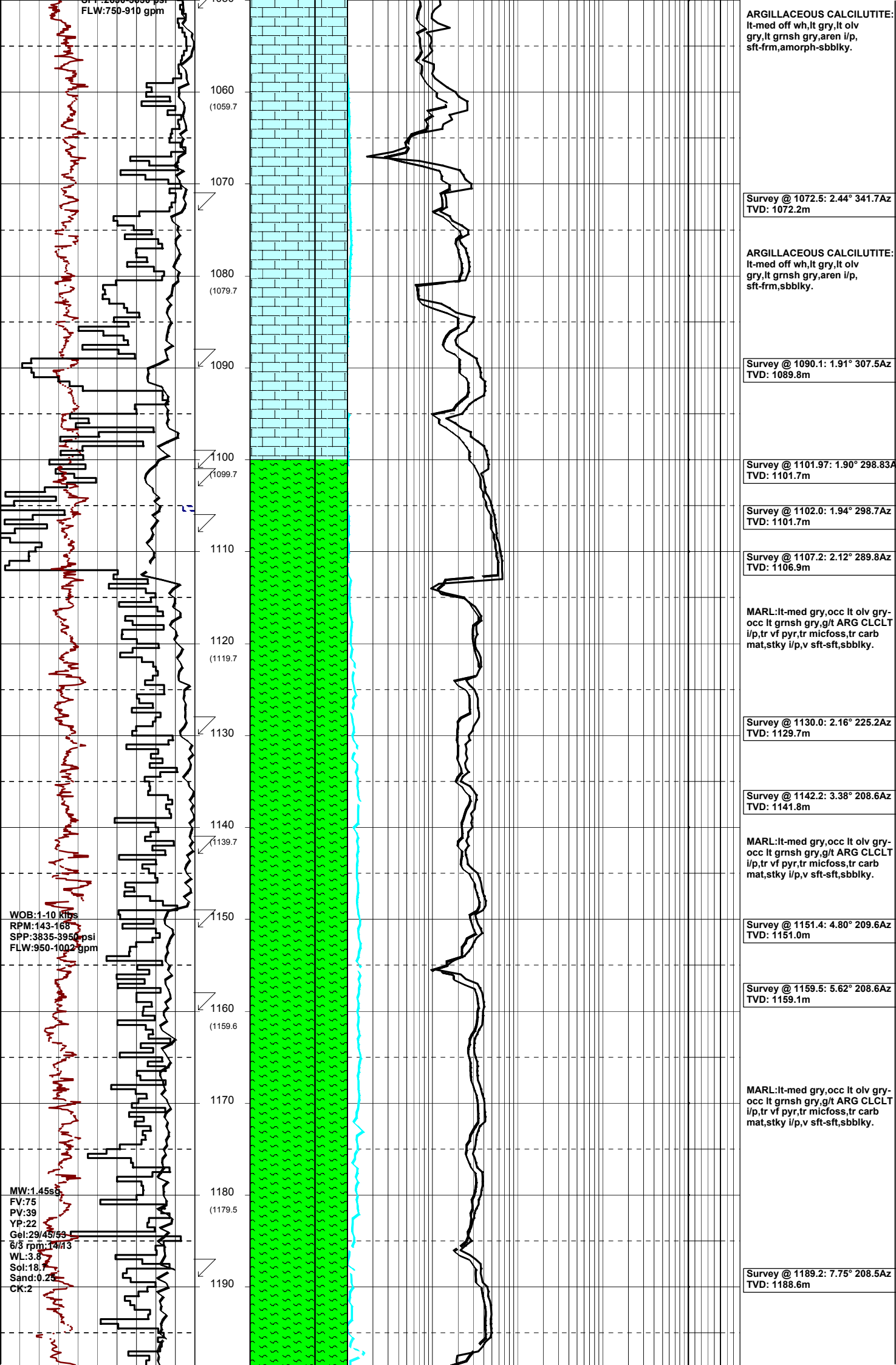
MASTERLOG LONGTOM-3ST1



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	
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
<p>MW Mud Weight</p> <p>FV Funnel Viscosity</p> <p>PV Plastic Viscosity</p> <p>YP Yield Point</p> <p>Gel Gel Strength</p> <p>WL Water Loss</p> <p>KCl Potassium Chloride</p> <p>Cl Chlorides</p> <p>Incl Inclination</p> <p>Az Azimuth</p> <p>WOB Weight on Bit (klbs)</p> <p>RPM Rotations Per Min</p> <p>FLW Flow Rate (gpm)</p> <p>SPP Pump Pressure (psi)</p> <p>RR Re-Run Bit</p> <p>TG Trip Gas</p> <p>CG Connection Gas</p> <p>BG Background Gas</p> <p>DGP Drilled Gas Peak</p> <p>MM Mud Motor</p>	<p>Claystone</p> <p>Siltstone</p> <p>Shale</p> <p>Fine SST</p> <p>Medium SST</p> <p>Coarse SST</p> <p>Mari</p> <p>Clay, Limestone</p> <p>Limestone</p> <p>Dolomite</p> <p>Coal</p> <p>Volcanic</p> <p>Lithic Fragment</p> <p>Foraminifera</p> <p>Fossils</p> <p>Bryozoa</p> <p>Sponges</p> <p>Brachiopoda</p> <p>Cement</p> <p>Glauconite</p> <p>Pyrite</p> <p>Iron Minerals</p> <p>Mica</p> <p>Siderite</p>	<p>Shoe</p> <p>Deviation survey</p> <p>DST</p> <p>TEST Test</p> <p>Sidewall Core</p> <p>Core</p> <p>DOLOMITE</p> <p>RFT</p> <p>FIT</p> <p>Mud loss</p> <p>Mud gain</p>





FLW:750-910 gpm

1050
1060 (1059.7)
1070
1080 (1079.7)
1090
1100 (1099.7)
1110
1120 (1119.7)
1130
1140 (1139.7)
1150
1160 (1159.6)
1170
1180 (1179.5)
1190

ARGILLACEOUS CALCILUTITE:
lt-med off wh,lt gry,lt olv
gry,lt grnsh gry,aren i/p,
sft frm,amorph-sbbkly.

Survey @ 1072.5: 2.44° 341.7Az
TVD: 1072.2m

ARGILLACEOUS CALCILUTITE:
lt-med off wh,lt gry,lt olv
gry,lt grnsh gry,aren i/p,
sft frm,sbbkly.

Survey @ 1090.1: 1.91° 307.5Az
TVD: 1089.8m

Survey @ 1101.97: 1.90° 298.83Az
TVD: 1101.7m

Survey @ 1102.0: 1.94° 298.7Az
TVD: 1101.7m

Survey @ 1107.2: 2.12° 289.8Az
TVD: 1106.9m

MARL:lt-med gry,occ lt olv gry-
occ lt grnsh gry,g/t ARG CLCLT
i/p,tr vf pyr,tr micfoss,tr carb
mat,stkly i/p,v sft-sft,sbbkly.

Survey @ 1130.0: 2.16° 225.2Az
TVD: 1129.7m

Survey @ 1142.2: 3.38° 208.6Az
TVD: 1141.8m

MARL:lt-med gry,occ lt olv gry-
occ lt grnsh gry,g/t ARG CLCLT
i/p,tr vf pyr,tr micfoss,tr carb
mat,stkly i/p,v sft-sft,sbbkly.

Survey @ 1151.4: 4.80° 209.6Az
TVD: 1151.0m

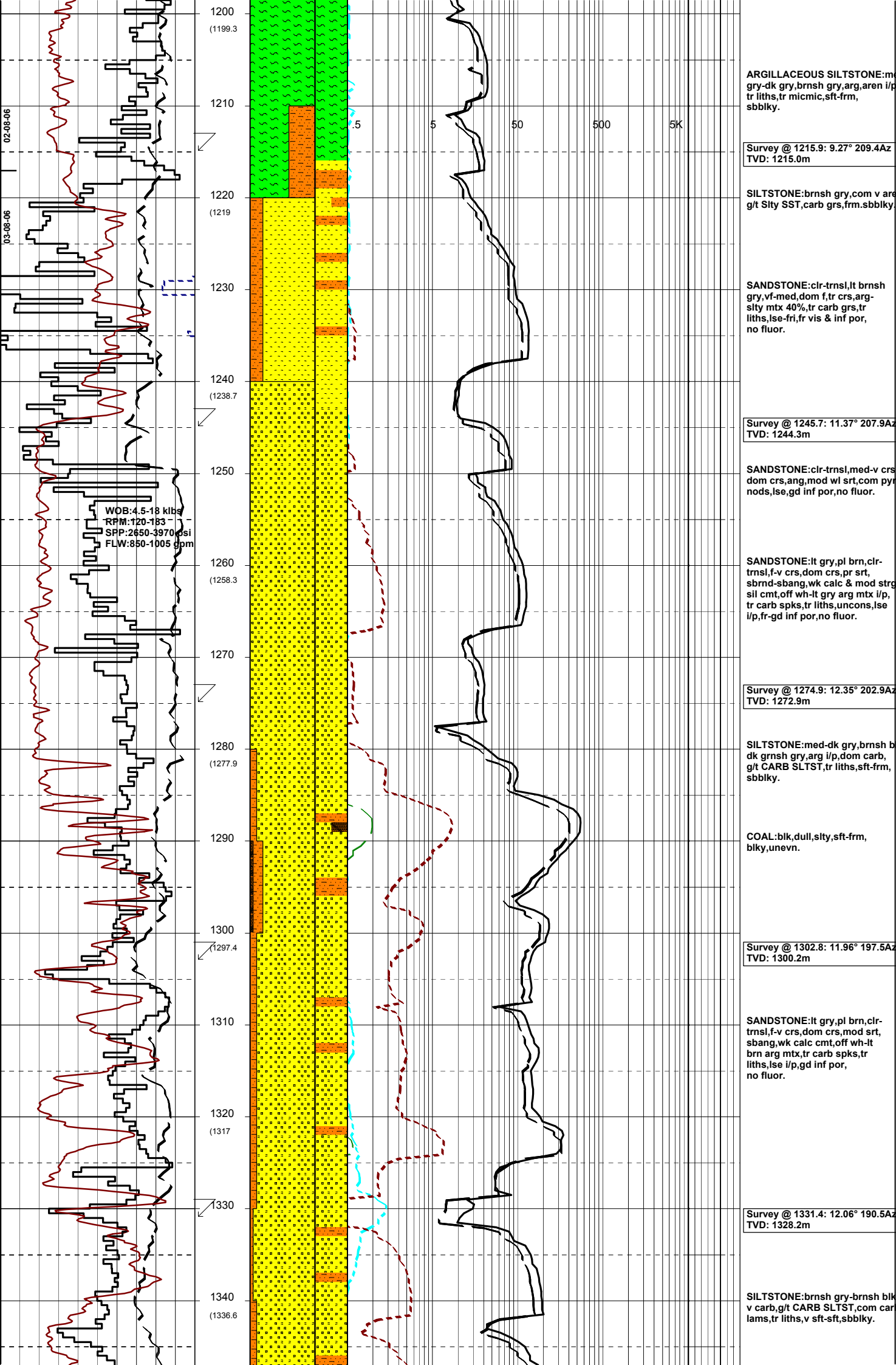
Survey @ 1159.5: 5.62° 208.6Az
TVD: 1159.1m

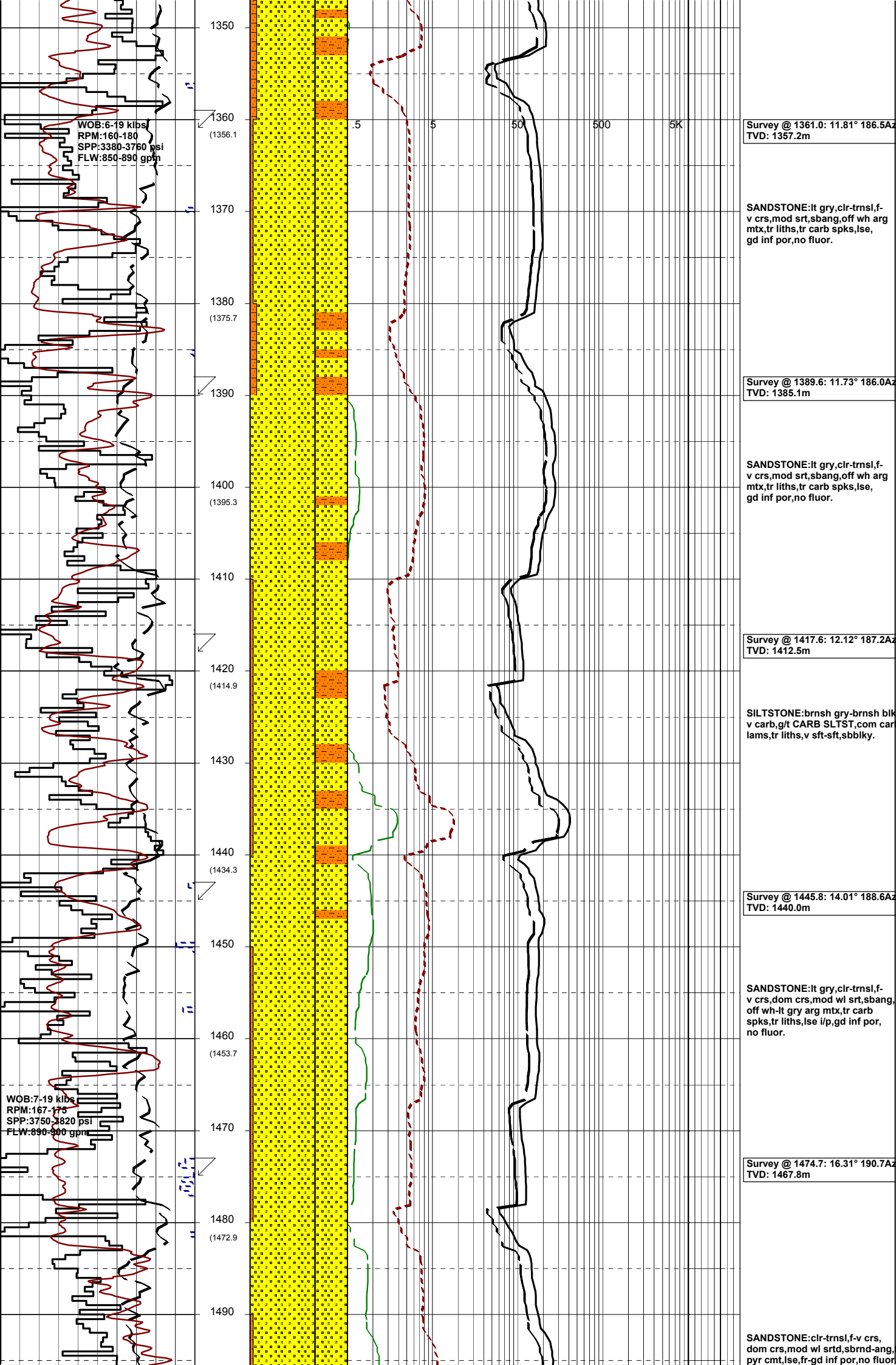
MARL:lt-med gry,occ lt olv gry-
occ lt grnsh gry,g/t ARG CLCLT
i/p,tr vf pyr,tr micfoss,sbbkly.

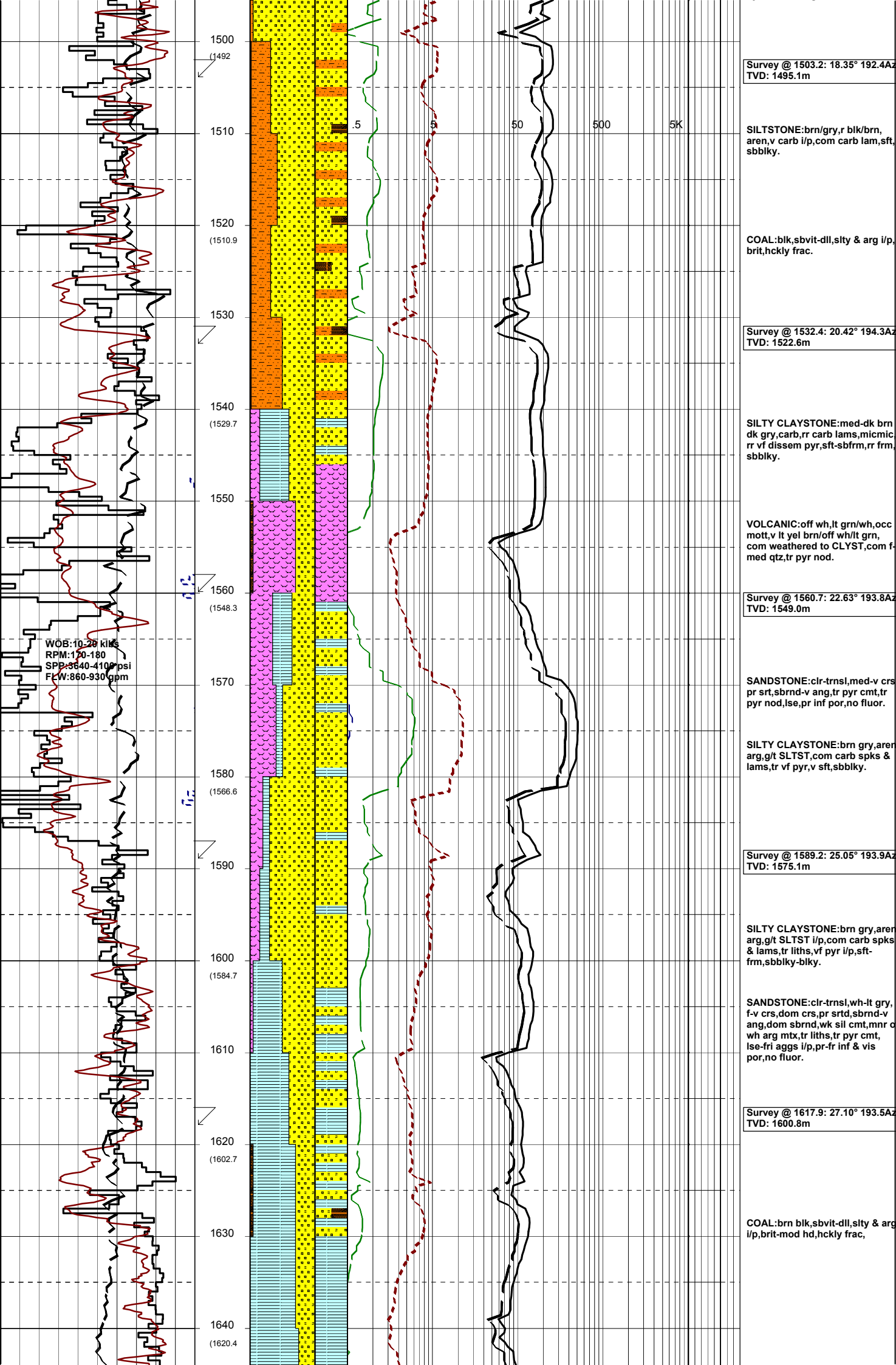
Survey @ 1189.2: 7.75° 208.5Az
TVD: 1188.6m

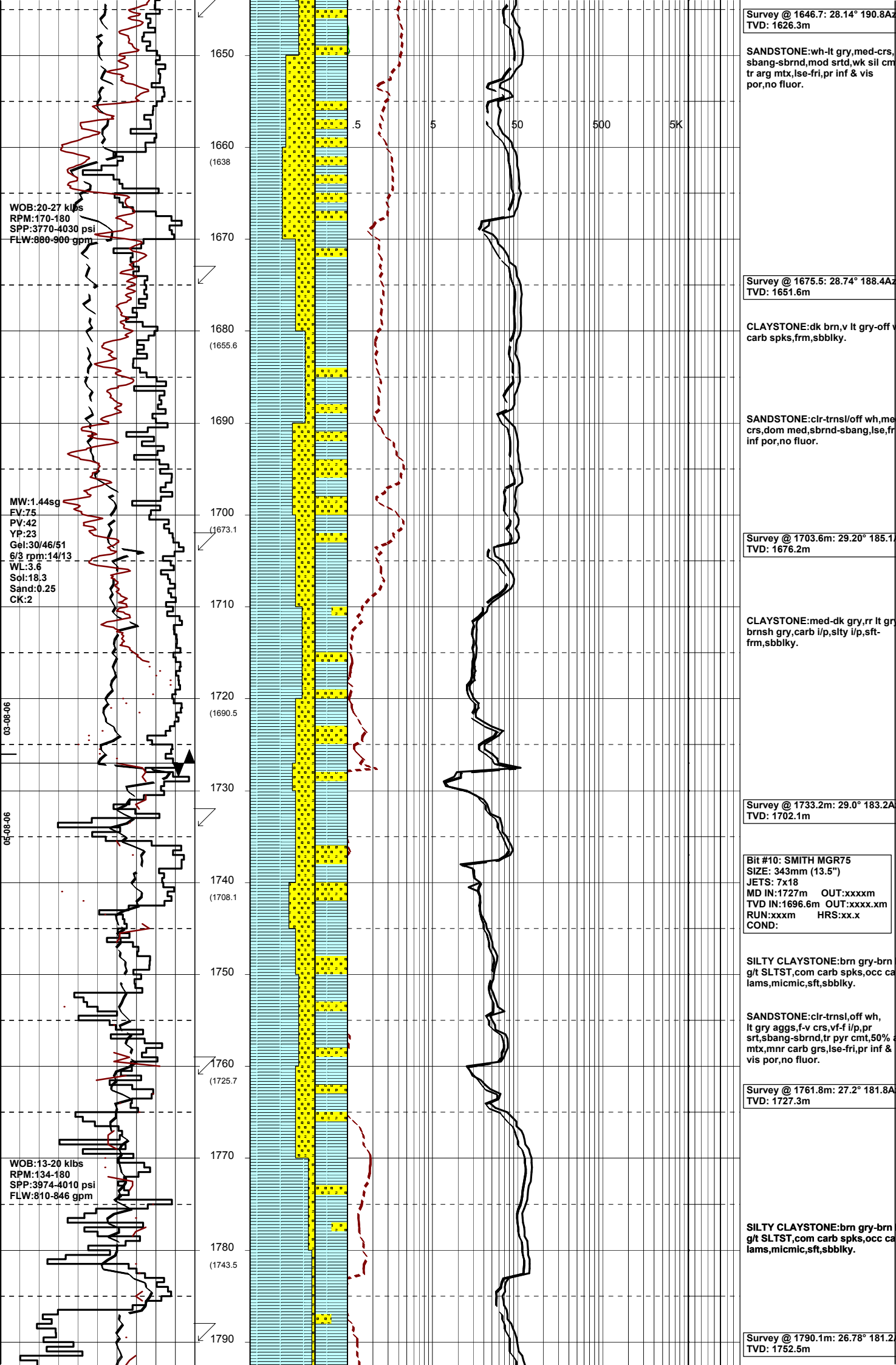
WOB:1-10 lbs
RPM:143-165
SPP:3835-3950 psi
FLW:950-1002 gpm

MW:1.45sc
FV:75
PV:39
YP:22
Gel:29/45/53
6/3 rpm:14/13
WL:3.8
Sol:18.7
Sand:0.22
CK:2









Survey @ 1646.7: 28.14° 190.8AZ
TVD: 1626.3m

SANDSTONE:wh-lt gry,med-crs, sbang-sbrnd,mod srtd,wk sil cmt, tr arg mtx,lse-fri,pr inf & vis por,no fluor.

Survey @ 1675.5: 28.74° 188.4AZ
TVD: 1651.6m

CLAYSTONE:dk brn,v lt gry-off v carb spks,frm,sbbiky.

SANDSTONE:clr-trnsl/off wh,me crs,dom med,sbrnd-sbang,lse,fr inf por,no fluor.

Survey @ 1703.6m: 29.20° 185.1
TVD: 1676.2m

CLAYSTONE:med-dk gry,rr lt gr brnsh gry,carb i/p,slty i/p,sft-frm,sbbiky.

Survey @ 1733.2m: 29.0° 183.2AZ
TVD: 1702.1m

Bit #10: SMITH MGR75
SIZE: 343mm (13.5")
JETS: 7x18
MD IN:1727m OUT:xxxxm
TVD IN:1696.6m OUT:xxxx.xm
RUN:xxxm HRS:xx.x
COND:

SILTY CLAYSTONE:brn gry-brn g/t SLTST,com carb spks,occ ca lams,micmic,sft,sbbiky.

SANDSTONE:clr-trnsl,off wh, lt gry aggs,f-v crs,vf-f i/p,pr srt,sbang-sbrnd,tr pyr cmt,50% mtx,mnr carb grs,lse-fri,pr inf & vis por,no fluor.

Survey @ 1761.8m: 27.2° 181.8AZ
TVD: 1727.3m

SILTY CLAYSTONE:brn gry-brn g/t SLTST,com carb spks,occ ca lams,micmic,sft,sbbiky.

Survey @ 1790.1m: 26.78° 181.2
TVD: 1752.5m

WOB:20-27 klbs
RPM:170-180
SPP:3770-4030 psi
FLW:880-900 gpm

MW:1.44sg
EV:75
PV:42
YP:23
Gel:30/46/51
6/3 rpm:14/13
WL:3.6
Sol:18.3
Sand:0.25
CK:2

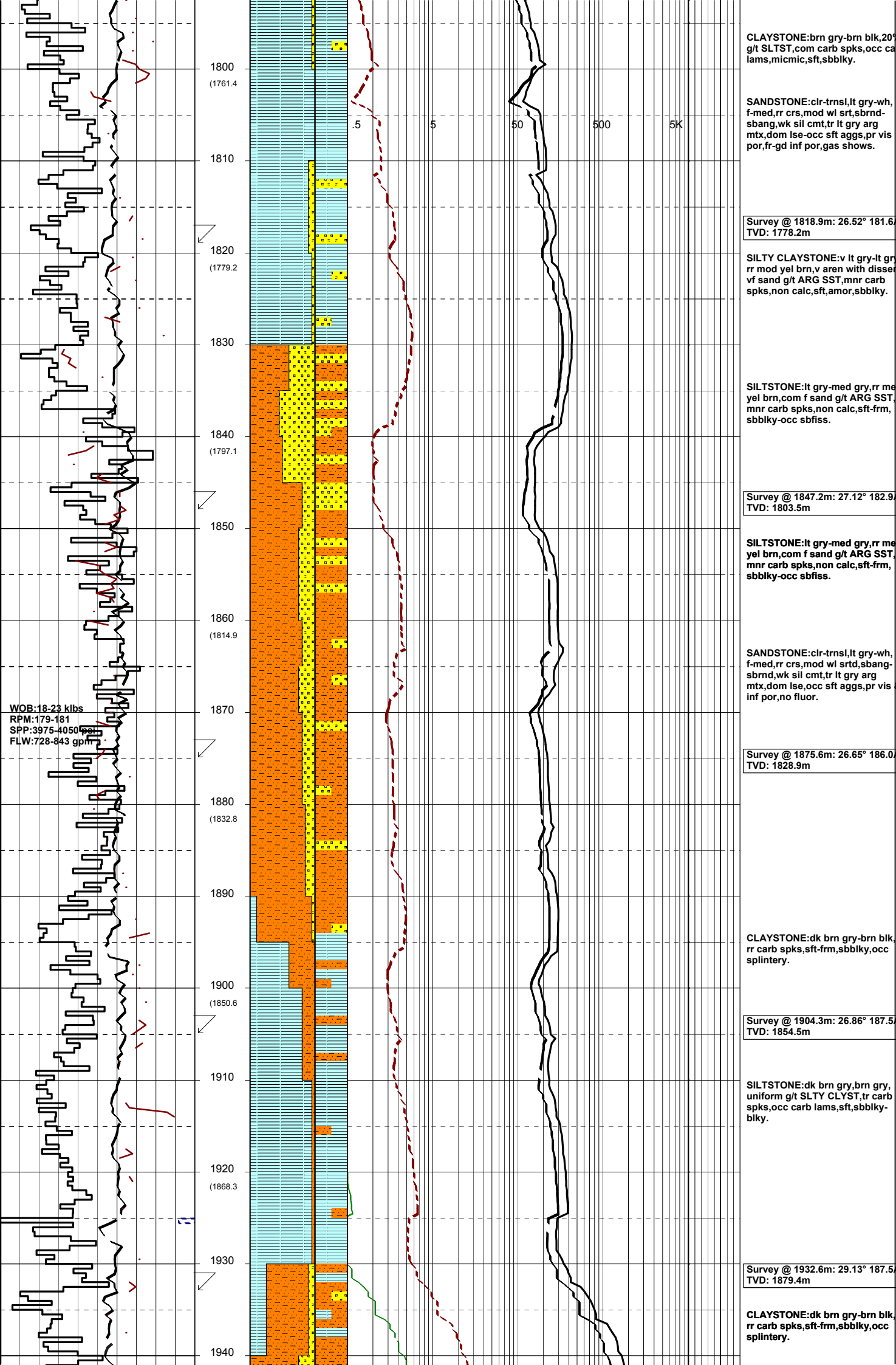
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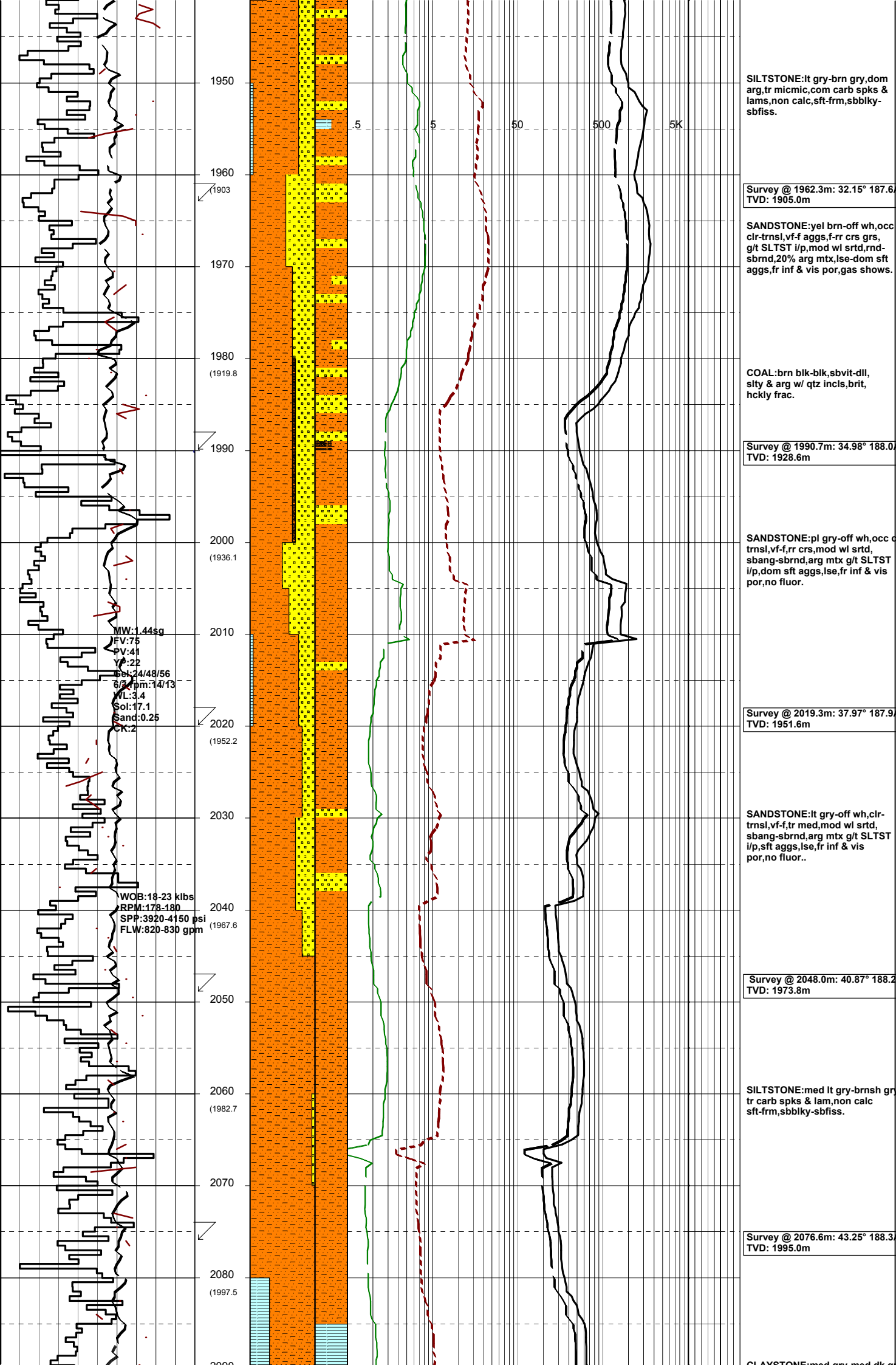
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WOB:13-20 klbs
RPM:134-180
SPP:3974-4010 psi
FLW:810-846 gpm

1650
1660 (1638)
1670
1680 (1655.6)
1690
1700 (1673.1)
1710
1720 (1690.5)
1730
1740 (1708.1)
1750
1760 (1725.7)
1770
1780 (1743.5)
1790

.5 5 50 500 5K





1950
1960
1963
1970
1980
(1919.8)
1990
2000
(1936.1)
2010
2020
(1952.2)
2030
2040
(1967.6)
2050
2060
(1982.7)
2070
2080
(1997.5)
2090

MW: 1.44sg
PV: 75
V: 41
P: 22
Per: 24/48/56
6 3/4 rpm: 14/13
WL: 3.4
Sol: 17.1
Sand: 0.25
CR: 2

WOB: 18-23 klbs
RPM: 178-180
SPP: 3920-4150 psi
FLW: 820-830 gpm

.5 5 50 500 5K

SILTSTONE:lt gry-brn gry,dom arg,tr micmic,com carb spks & lams,non calc,sft-frm,sbbiky-sbfiss.

Survey @ 1962.3m: 32.15° 187.6
TVD: 1905.0m

SANDSTONE:yel brn-off wh,occ clr-trnsl,vf-f aggs,f-rr crs grs, g/t SLTST i/p,mod wl srtd,rnd-sbrnd,20% arg mtx,lse-dom sft aggs,fr inf & vis por,gas shows.

COAL:brn blk-blk,sbvit-dll, slty & arg w/ qtz inclc,brit, hckly frac.

Survey @ 1990.7m: 34.98° 188.0
TVD: 1928.6m

SANDSTONE:pl gry-off wh,occ trnsl,vf-f,rr crs,mod wl srtd, sbang-sbrnd,arg mtx g/t SLTST i/p,dom sft aggs,lse,fr inf & vis por,no fluor.

Survey @ 2019.3m: 37.97° 187.9
TVD: 1951.6m

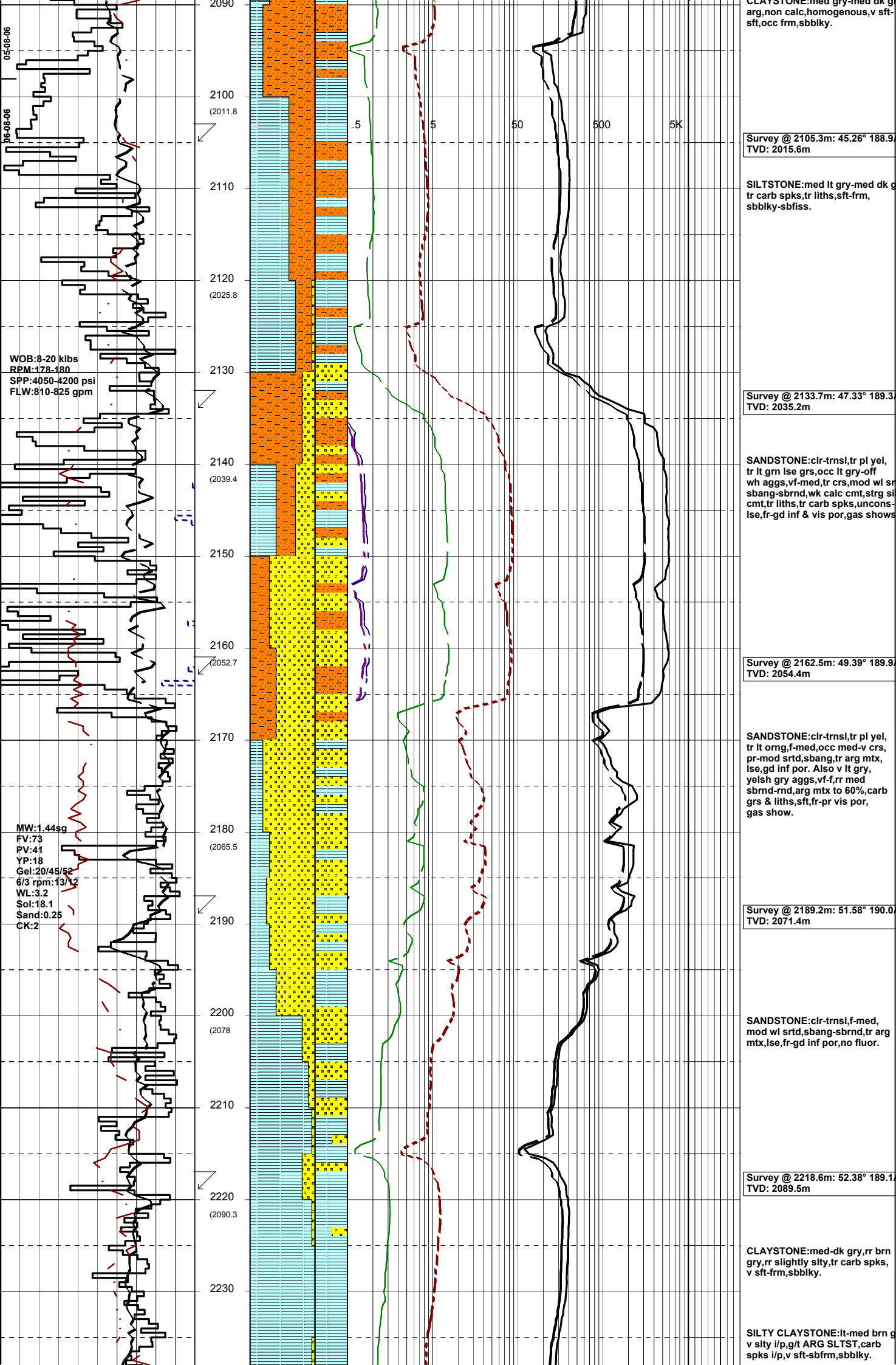
SANDSTONE:lt gry-off wh,clr-trnsl,vf-f,tr med,mod wl srtd, sbang-sbrnd,arg mtx g/t SLTST i/p,sft aggs,lse,fr inf & vis por,no fluor..

Survey @ 2048.0m: 40.87° 188.2
TVD: 1973.8m

SILTSTONE:med lt gry-brnsh gr tr carb spks & lam,non calc sft-frm,sbbiky-sbfiss.

Survey @ 2076.6m: 43.25° 188.3
TVD: 1995.0m

CLAYSTONE:med gry,mod dk



05-08-06
06-08-06

2090
2100 (2011.8)
2110
2120 (2025.8)
2130
2140 (2039.4)
2150
2160 (2052.7)
2170
2180 (2065.5)
2190
2200 (2078)
2210
2220 (2090.3)
2230

WOB: 8-20 klbs
RPM: 178-180
SPP: 4050-4200 psi
FLW: 810-825 gpm

MW: 1.44sg
FV: 73
PV: 41
YP: 18
Gel: 20/45/52
6/3 rpm: 13/12
WL: 3.2
Sol: 18.1
Sand: 0.25
CK: 2

.5 5 50 500 5K

Survey @ 2105.3m: 45.26° 188.9°
TVD: 2015.6m

SILTSTONE: med lt gry-med dk gry
arg, non calc, homogenous, v sft-
sft, occ frm, sbbkly.

Survey @ 2133.7m: 47.33° 189.3°
TVD: 2035.2m

SANDSTONE: clr-trnsl, tr pl yel,
tr lt gm lse grs, occ lt gry-off
wh aggs, vf-med, tr crs, mod wl sr
sbrng-sbrnd, wk calc cmt, strg sil
cmt, tr liths, tr carb spks, uncon-
lse, fr-gd inf & vis por, gas shows

Survey @ 2162.5m: 49.39° 189.9°
TVD: 2054.4m

SANDSTONE: clr-trnsl, tr pl yel,
tr lt org, f-med, occ med-v crs,
pr-mod srted, sbrng, tr arg mtx,
lse, gd inf por. Also v lt gry,
yelsh gry aggs, vf-f, rr med
sbrnd-rnd, arg mtx to 60%, carb
grs & liths, sft, fr-pr vis por,
gas show.

Survey @ 2189.2m: 51.58° 190.0°
TVD: 2071.4m

SANDSTONE: clr-trnsl, f-med,
mod wl srted, sbrng-sbrnd, tr arg
mtx, lse, fr-gd inf por, no fluor.

Survey @ 2218.6m: 52.38° 189.1°
TVD: 2089.5m

CLAYSTONE: med-dk gry, rr brn
gry, rr slightly slty, tr carb spks,
v sft-frm, sbbkly.

SILTY CLAYSTONE: lt-med brn g
v slty i/p, g/t ARG SLTST, carb
spks i/p, v sft-sbfm, sbbkly.

