



Well : NETHERBY 1

Interval : 83.00 - 1891.22 meters

Created : 26/11/2008 2:50:16 PM

Santos

FORMATION EVALUATION LOG

WOB				MD meters 1:500	LITHOLOGY %	INTERPRETED LITHOLOGY	RESISTIVITY		CHROMATOGRAPH				DIRECT FLUORESCENCE	CUT FLUORESCENCE	CALC		REMARKS			
ROP							Resistivity (shallow)		Total Gas						Calcite					
200							2	20	200	1	10	100	1000		0	100				
Gamma							OHMM		unit				Methane		Dolomite					
50							2	20	200							100		0		
GAPI							OHMM		Resistivity (medium)				Ethane							
							OHMM		Resistivity (deep)				Propane							
							OHMM						i-Butane							
													n-Pentane							
													n-Butane							
													n-Pentane							
													100				1000	10000	100000	
													ppm							

ALL DEPTHS MEASURED IN METERS FROM THE ROTARY TABLE (RT)

NB1-Y11C 914mm (36")
3x24, 1x16 jets
In: 86.9m Out: 130.9m
Drilled 44.0m in 3.8 bit
0-0-NO-A-0-I-NO-TD

WOB: 0-9 klbf
Surface RPM: 48-49 rpm
FLOW: 395-621 gpm
SPP: 0-347 psi

762mm (30") Casing @ 130.9m

~~15/07/2008~~

NB2 Hughes-MXL-1V 445mm (17.5")
4x18 jets
In: 130.9m Out: 647.5m
Drilled 516.6m in 11.2 bit hrs
0-0-WT-A-E-I-NO-TD

WOB: 1-42 kbf
Surface RPM: 41-82 rpm
FLOW: 467-849 gpm
SPP: 978-1163 psi

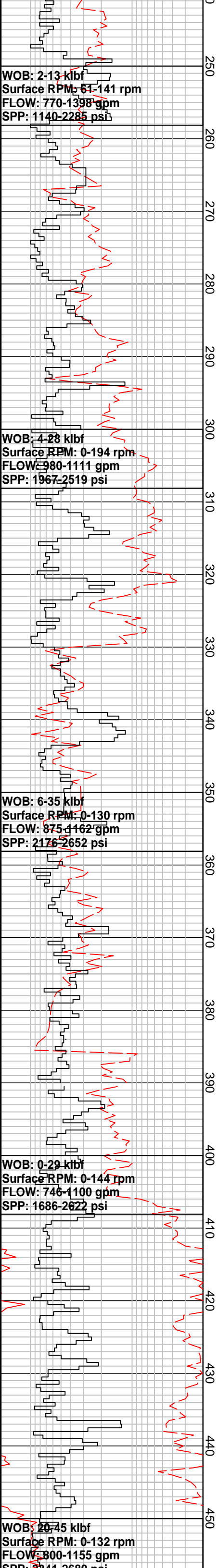
16/07/2008

WOB: 2-13 klbf
Surface RPM: 0-9 rpm
FLOW: 600-927 gpm
SPP: 1195-1255 psi

Returns to Sea Floor

Returns to Sea Floor

Drilled with seawater with alternating PHG and Guar Gum Sweeps



Returns to Sea Floor

Returns to Sea Floor

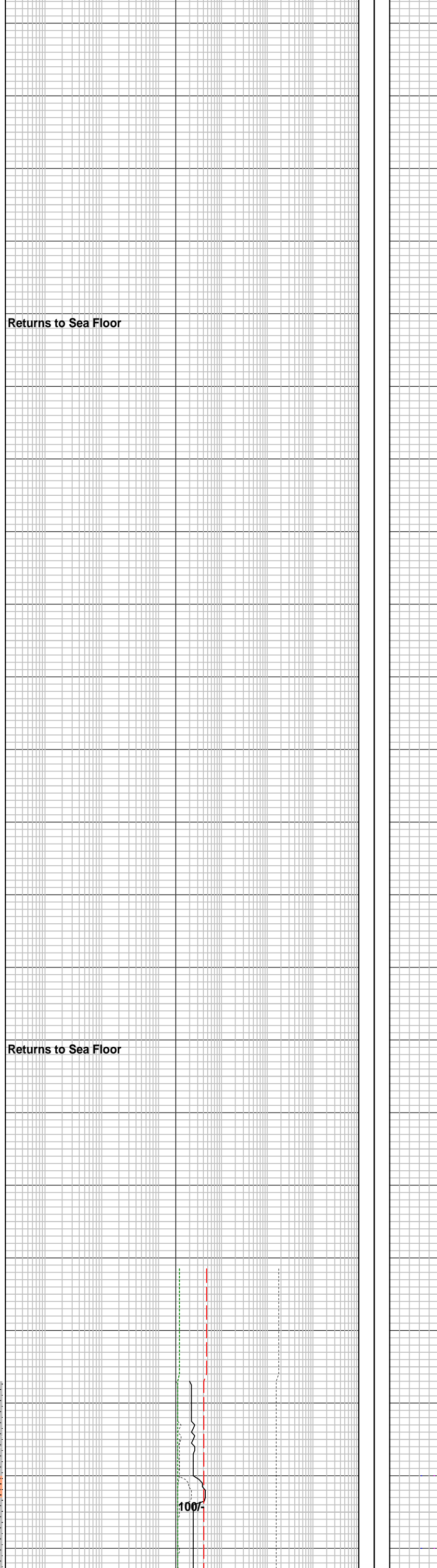
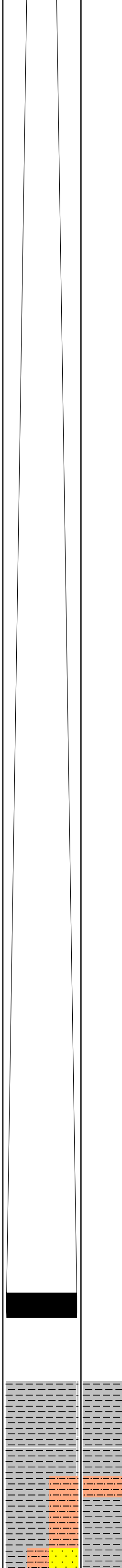
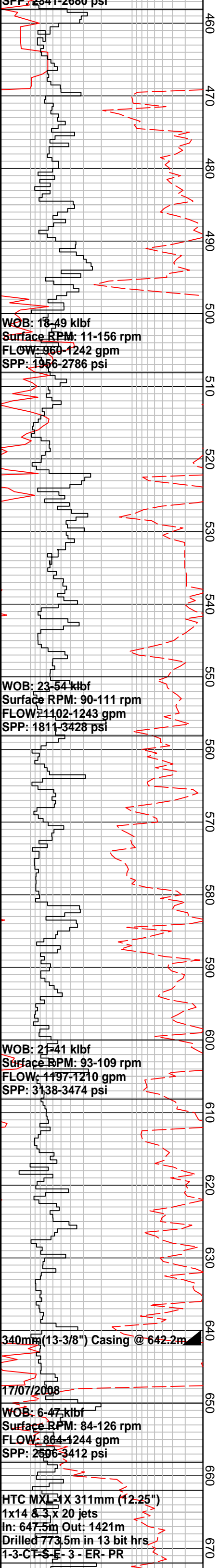
Drilled with seawater with alternating PHG and Guar Gum Sweeps

Drilled with seawater with alternating PHG and Guar Gum Sweeps

Drilled with seawater with alternating PHG and Guar Gum Sweeps

Drilled with seawater with alternating PHG and Guar Gum Sweeps

Drilled with seawater with alternating PHG and Guar Gum Sweeps



Drilled with seawater with alternating PHG and Guar Gum Sweeps

Drilled with seawater with alternating PHG and Guar Gum Sweeps

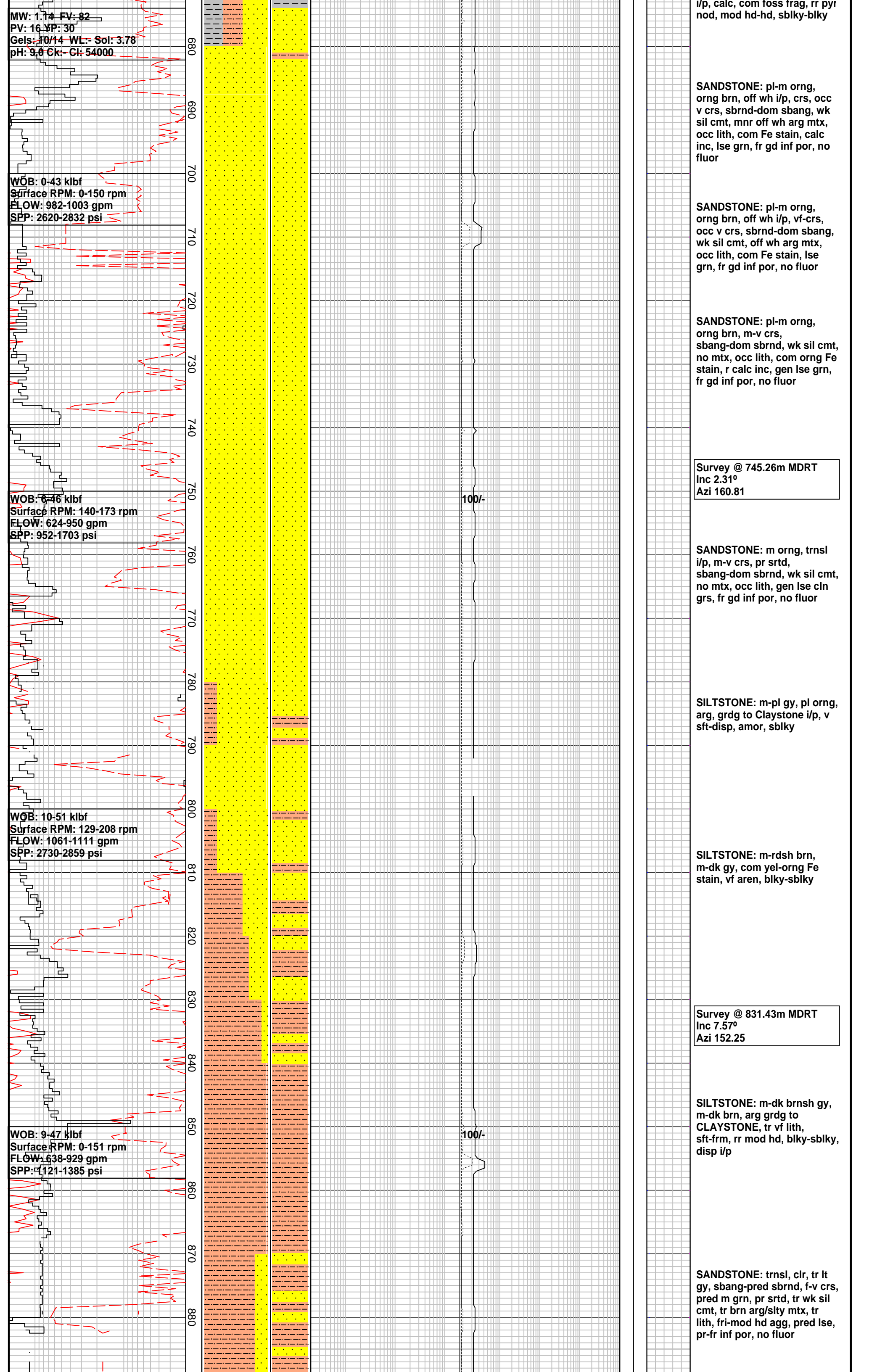
Drilled with seawater with alternating PHG and Guar Gum Sweeps

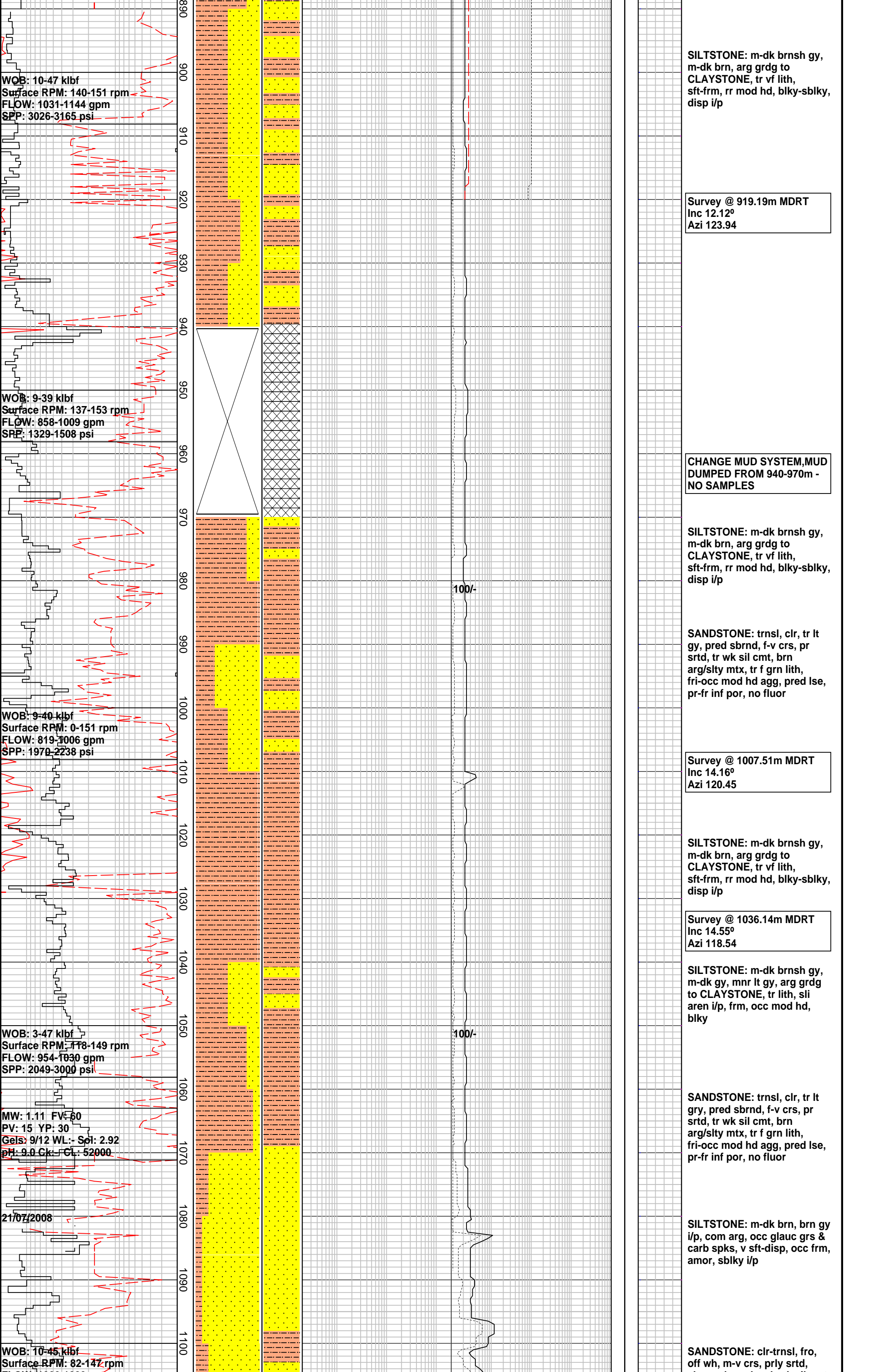
Reached 445mm(17.5") hole
TD @ 647.5m on 17 July 2008
@ 16:30 hrs

LOT @ 651m
EMW: 2.12SG (17.7ppg)

CALCAREOUS CLAYSTONE:
v pl-pl brn, brn gy i/p,
com-abdt foss frag, cor,
foram, mnrtz grs & lith,
disp-v sft, amor, mnrtz sbiky

SILTSTONE: m-dk brn, arg





FLOW: 1000-1020 gpm
SPP: 3050-3000 psi

WOB: 15-32
Surface RPM: 138-183 rpm
FLOW: 1023-1114 gpm
SPP: 3032-3100 psi

WOB: 17-35
Surface RPM: 168-208 rpm
FLOW: 1049-1126 gpm
SPP: 3047-3150 psi

WOB: 10-41 kbf
Surface RPM: 122-177 rpm
FLOW: 1067-1133 gpm
SPP: 3058-3145 psi

WOB: 5-50 kbf
Surface RPM: 149-261 rpm
FLOW: 966-1076 gpm
SPP: 2340-2518 psi

sbang-dom sbrnd, wk sil cmt
rr pl gy arg mtx, occ mic flks,
occ lith, gen lse grs, fri, pr vis
por, fr gd inf por, no fluor

Survey @ 1124.66m MDRT
Inc 14.01°
Azi 116.68

SANDSTONE: clr-trnsl, fro,
off wh, med-v crs, prly srtd,
sbang-dom sbrnd, wk sil cmt,
rr pl gy arg mtrx, occ mic
flks, occ lith, gen lse grs, fri,
pr vis por, fr gd inf por, no flu

SILTSTONE: pl-m gy brn, arg,
com mic, mnr carb spks,
disp, v sft i/p, amor

SANDSTONE: clr-trnsl, pl
gy-off wh, gen f-m, mod wl
srtd, sbang-dom sbrnd, wk
sil cmt, mnr pl gy

SILTSTONE: m brn gy, pl brn
i/p, com arg, com mic, loc
com carb spks & frag, v
sft-disp, amor, rr sblky

Survey @ 1210.10m MDRT
Inc 23.56°
Azi 117.60

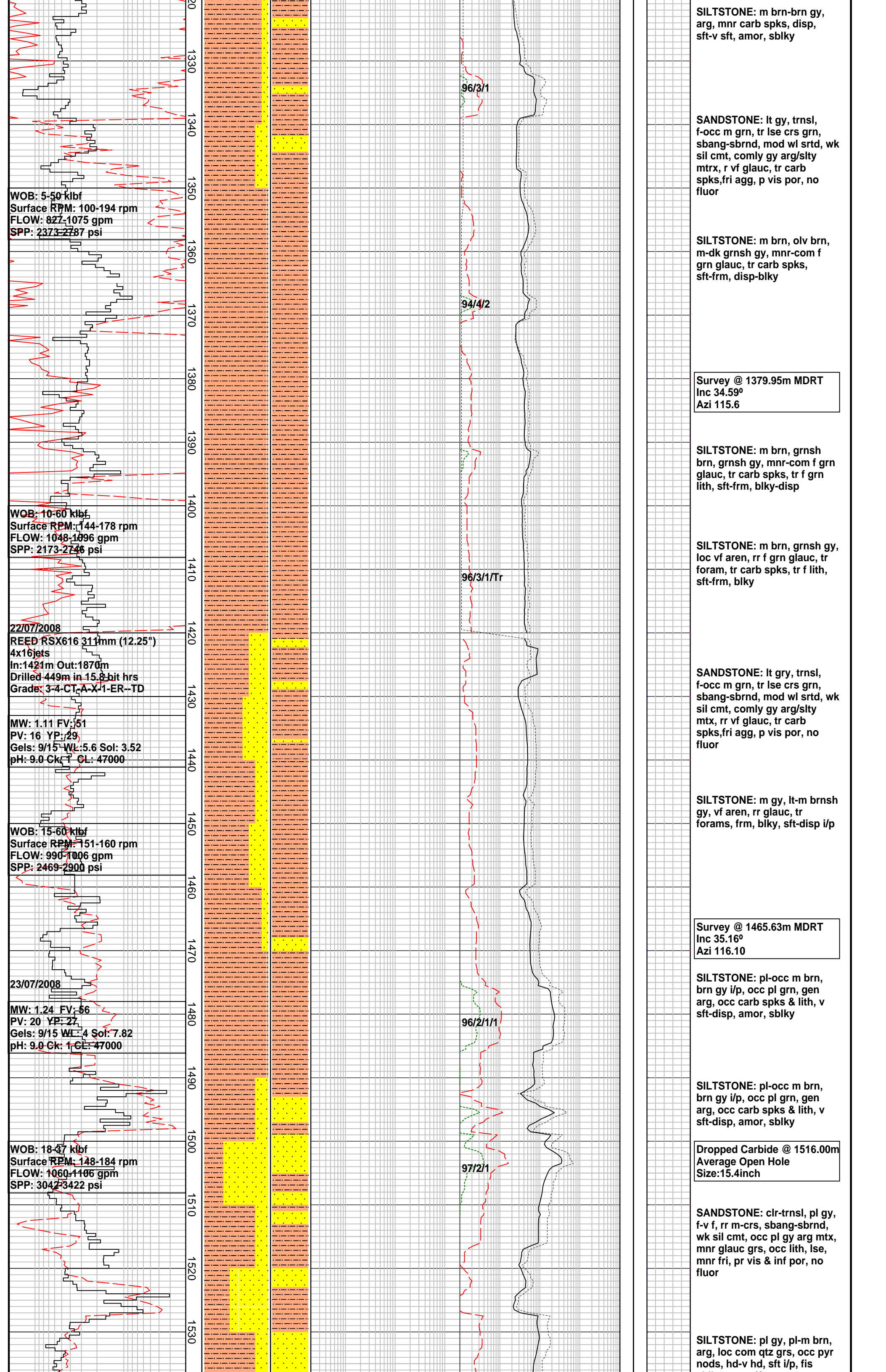
SILTSTONE: m-occ dk brn, m
grnsh gy, arg, occ aren, mic,
mnr carb spks, v sft-disp, frm
i/p, amor, sblky

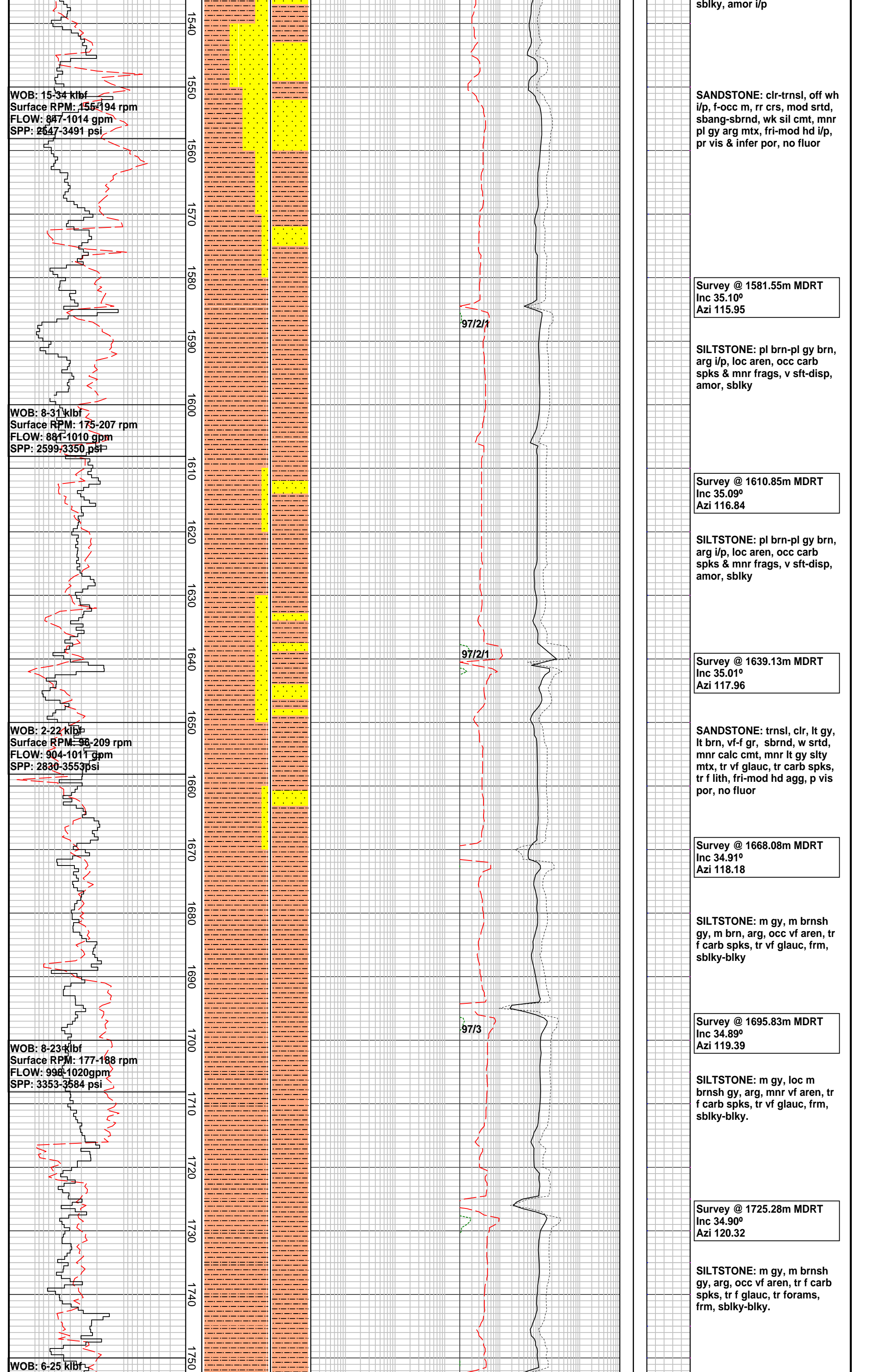
SANDSTONE: clr-trnsl, off
wh, f-dom m, occ crs, mod
srtd, sbang-sbrnd, wk sil cmt,
mnr pl gy arg mtx, occ lith,
gen lse cln grs, p-occ fr inf
por, no fluor

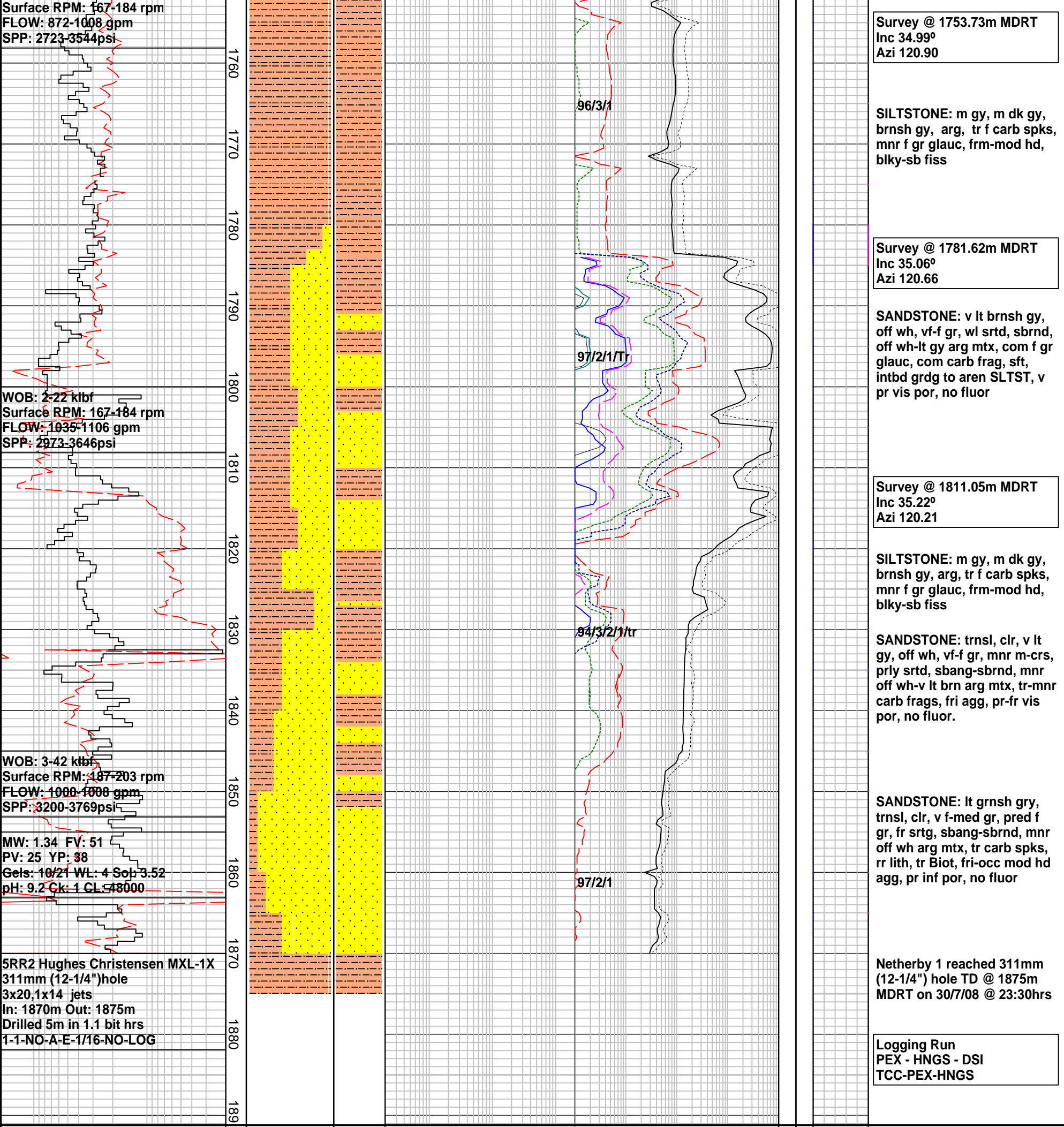
SILTSTONE: pl-m brn gy, occ
dk brn, grnsh gy i/p, arg, occ
pyr nods, disp, sft-v sft, occ
hd, amor, sblky

Survey @ 1294.27m MDRT
Inc 33.74°
Azi 116.12

SILTSTONE: m brn-brn gy,
occ dk brn, arg, occ carb
spks, rr pyr nods, disp, sft-v
sft, occ hd, amor, sblky







FORMATION EVALUATION LOG													
<div>WOB</div> <div>10 20 30 40</div> <div>ROP</div> <div>200 20</div> <div>Gamma</div> <div>50 100 150 200</div> <div>GAPI</div>		MD meters 1:500	LITHOLOGY %	INTERPRETED LITHOLOGY	RESISTIVITY		CHROMATOGRAPH			DIRECT FLUORESCENCE	CUT FLUORESCENCE	CALC	REMARKS
Resistivity (shallow)					Total Gas								
2 20 200					1 10 100 1000								
OHMM					unit								
Resistivity (medium)					Methane								
2 20 200					Ethane								
OHMM					Propane								
Resistivity (deep)					i-Butane								
2 20 200					i-Pentane								
OHMM					n-Butane								
		n-Pentane											
		100 1000 10000 100000											
		ppm											