



Company : Santos

Well : Henry-2

Interval : 70.00 - 1032.66 meters

Created : 07/Sep/2008 5:26:11 AM

INTEQ

### HENRY-2 FORMATION EVALUATION LOG

<p><b>WOB</b></p> <p>10   20   30   40</p> <p>ROP</p> <p>200   20</p> <p>m/hr</p> <p><b>Gamma</b></p> <p>50   100   150   200</p> <p>GAPI</p>		<p>MD meters 1:500</p> <p>LITHOLOGY %</p>	<p>INTERPRETED LITHOLOGY</p>	<p>RESISTIVITY</p> <p>Resistivity (shallow)</p> <p>2   20   200</p> <p>OHMM</p>	<p>CHROMATOGRAPH</p> <p>Total Gas</p> <p>1   10   100   1000</p> <p>unit</p>	<p>CUT FLOURESCENCE</p> <p>DIRECT FLOURESCENCE</p> <p>PGF</p>	<p>CALC</p> <p>Calcite</p> <p>0   100</p> <p>Dolomite</p> <p>100   0</p>	<p>REMARKS</p>
<p>Resistivity (medium)</p> <p>2   20   200</p> <p>OHMM</p>	<p>Resistivity (deep)</p> <p>2   20   200</p> <p>OHMM</p>			<p>Methane</p> <p>Ethane</p> <p>Propane</p> <p>i-Butane</p> <p>n-Butane</p> <p>i-Pentane</p> <p>n-Pentane</p> <p>100   1000   10000   100000</p> <p>ppm</p>				
<p>Vertical Datum = Mean Sea Level (MSL)</p>								<p>Mudline: 87.8m</p> <p>Water Depth: 67m MSL</p> <p>Air Gap: 20.8m MSL</p>
				<p>Spud Henry-2 Well from 87.8m on 25 August 2008 at 03:15hrs</p>				
<p>NB 1 REED Y11C 660mm (26") w/ 914mm (36") Hole Opener</p> <p>3x14, 1x16 jets, H.O. 4x24 jets</p> <p>In: 87.8m Out: 131.7m</p> <p>Drilled 43.9m in 2.70hrs</p> <p>1-1-NO-A-3-I-NO-TD</p>								<p>Drill with seawater and PHG sweeps.</p> <p>Returns to seafloor.</p>
<p>WOB: 3-14klbs</p> <p>RPM: 37-100</p> <p>GPM: 895-1005</p> <p>SPP: 520-855psi</p>								
								<p>Set 762mm (30") Casing at 131.70m</p>
<p>NB 2 HUGHES MXL-1V</p> <p>445mm (17-1/2") 4x18 jets</p> <p>In: 131.7m Out: 657m</p> <p>Drilled 525.3m in 11.92hrs</p> <p>0-0-NO-A-E-I-NO-TD</p>								<p>Drill with seawater and PHG sweeps.</p> <p>Returns to seafloor.</p>

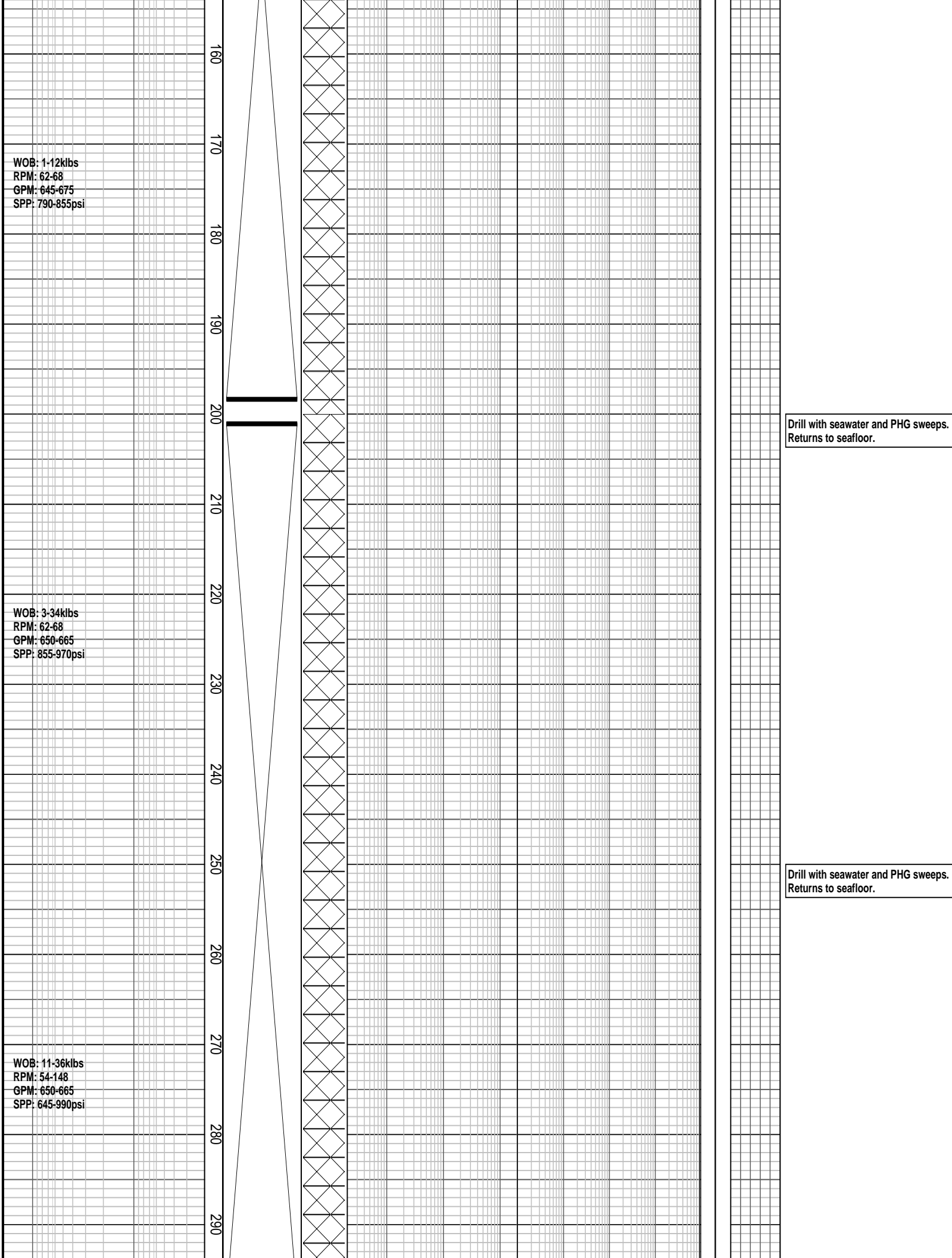
WOB: 1-12klbs  
RPM: 62-68  
GPM: 645-675  
SPP: 790-855psi

WOB: 3-34klbs  
RPM: 62-68  
GPM: 650-665  
SPP: 855-970psi

WOB: 11-36klbs  
RPM: 54-148  
GPM: 650-665  
SPP: 645-990psi

Drill with seawater and PHG sweeps.  
Returns to seafloor.

Drill with seawater and PHG sweeps.  
Returns to seafloor.



300  
310  
320  
330  
340  
350  
360  
370  
380  
390  
400  
410  
420  
430

WOB: 12-44klbs  
RPM: 106-151  
GPM: 990-1016  
SPP: 2135-2270psi

WOB: 19-48klbs  
RPM: 76-141  
GPM: 984-1029  
SPP: 2116-2438psi

WOB: 7-44klbs  
RPM: 71-148  
GPM: 1026-1032  
SPP: 2343-2530psi

Drill with seawater and PHG sweeps.  
Returns to seafloor.

Drill with seawater and PHG sweeps.  
Returns to seafloor.

Drill with seawater and PHG sweeps.  
Returns to seafloor.

440  
450  
460  
470  
480  
490  
500  
510  
520  
530  
540  
550  
560  
570

WOB: 24-55klbs  
RPM: 63-165  
GPM: 950-1107  
SPP: 2061-2886psi

WOB: 30-52klbs  
RPM: 38-137  
GPM: 482-1118  
SPP: 850-3050psi

WOB: 35-50klbs

Drill with seawater and PHG sweeps.  
Returns to seafloor.

Drill with seawater and PHG sweeps.  
Returns to seafloor.

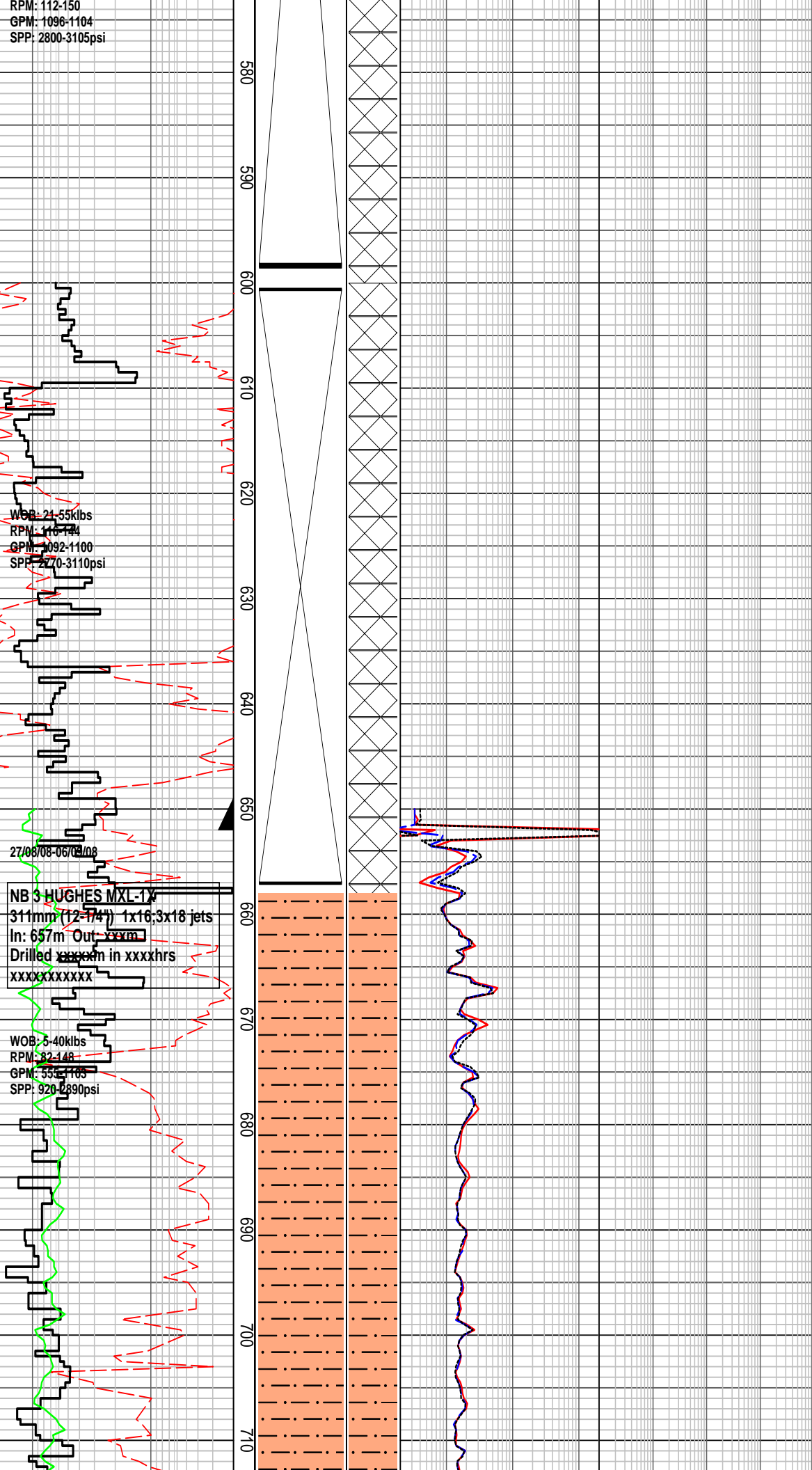
Drill with seawater and PHG sweeps.  
Returns to seafloor.

RPM: 112-150  
GPM: 1096-1104  
SPP: 2800-3105psi

WOB: 21.55klbs  
RPM: 116-124  
GPM: 1092-1100  
SPP: 2770-3110psi

WOB: 5.40klbs  
RPM: 82-148  
GPM: 552-785  
SPP: 920-2890psi

27/08/08-06/09/08  
NB 3 HUGHES MXL-1X  
311mm (12-1/4") 1x16; 3x18 jets  
In: 657m Out: xxxm  
Drilled xxxm in xxxhrs  
xxxxxxxxxxx



Drill with seawater and PHG sweeps.  
Returns to seafloor.

Henry-2 reached  
445mm(17-1/2") hole section  
TD @ 657 mMDRT on 27/08/08

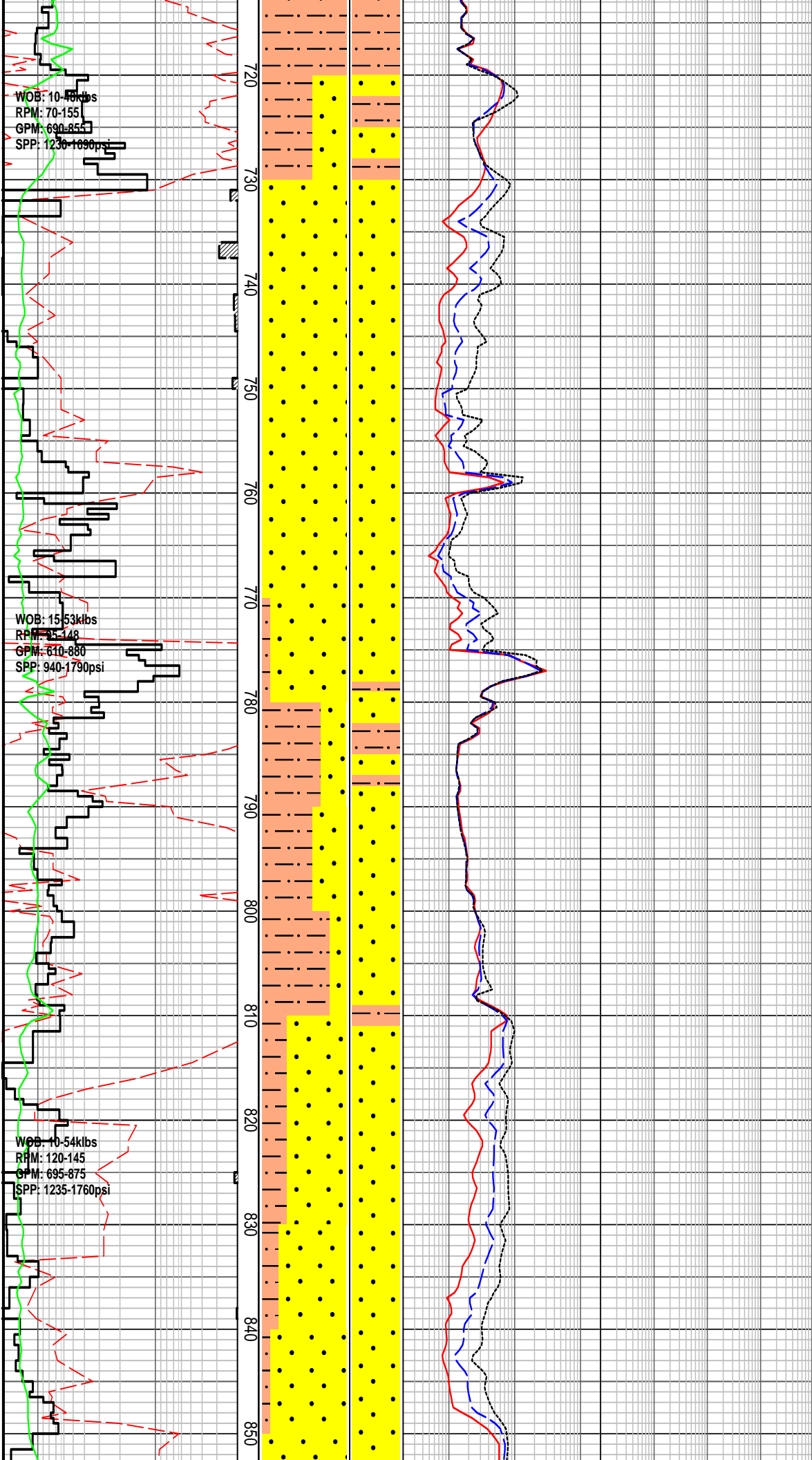
Set 340mm (13-3/8") Casing at 652m

LOT EMW 2.21sg (18.4ppg)

**CALCAREOUS SILTSTONE:**  
m-dk brn, occ pl brn, off wh,  
com arg, grd **CALCAREOUS  
CLAYSTONE** i/p, com foss  
frags, occ forams & cor,  
frm-mod hd, mnr sft,  
blky-sbblky

Survey at 681.58m  
Inc: 0.29° Azi: 157.36°  
TVD: 681.50m

**CALCAREOUS SILTSTONE:**  
m-dk brn, occ pl brn, off wh,  
com arg, grd **CALCAREOUS  
CLAYSTONE** i/p, com foss  
frags, occ forams & cor,  
frm-mod hd, mnr sft,  
blky-sbblky



SANDSTONE: m-dk or, rr off wh, m-dom v crs, p srtcd, sbrnd-rnd, wk sil cmt, rr off wh arg mtrx, com or Fe stn, lse, mnf fri-mod hd, gd-v gd inferred por, no fluor

SANDSTONE: m-dk or, rr off wh, m-dom v crs, p srtcd, sbrnd-rnd, wk sil cmt, rr off wh arg mtrx, com or Fe stn, lse, mnf fri-mod hd, gd-v gd inferred por, no fluor

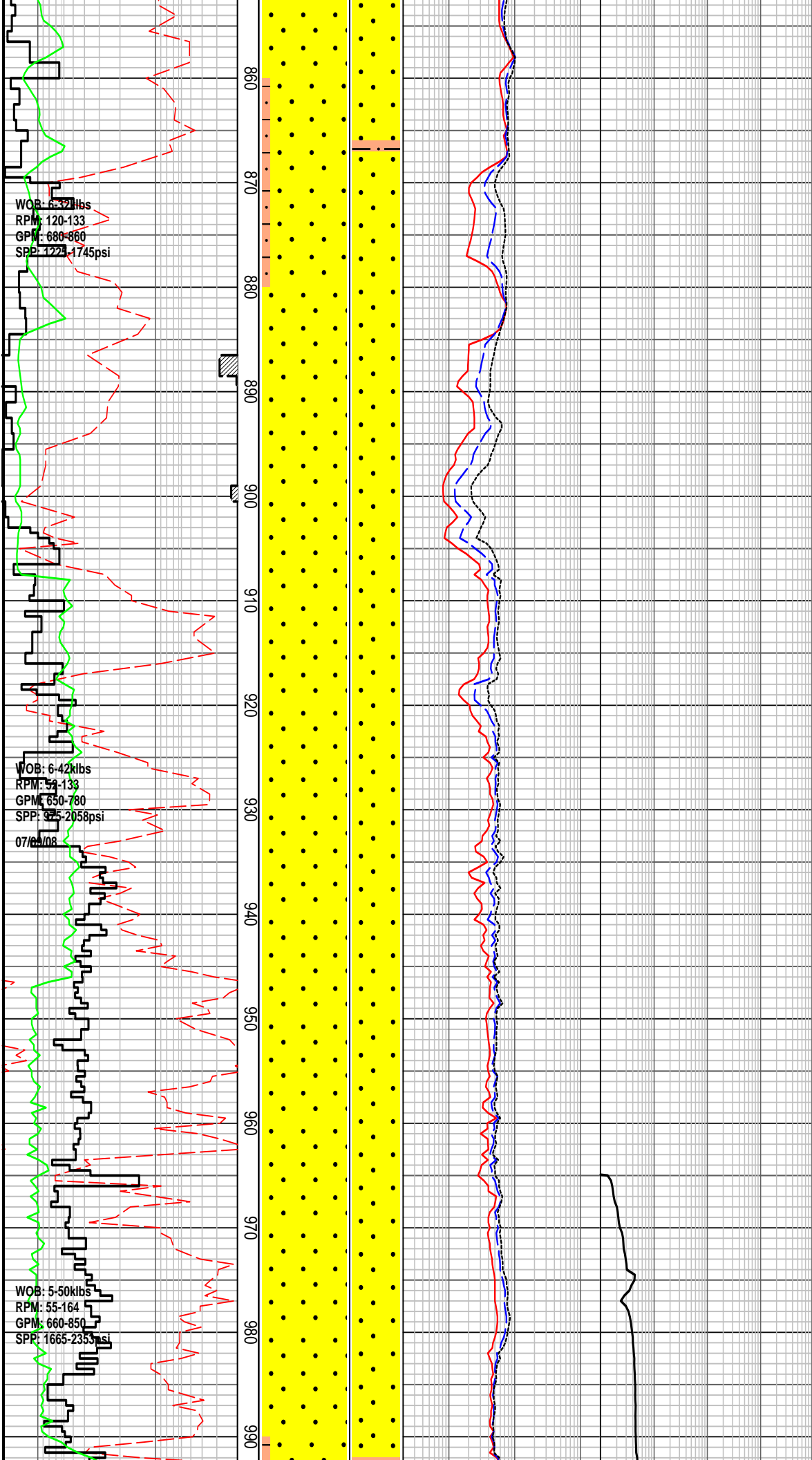
Survey at 768.28m  
Inc: 0.83° Azi: 157.79°  
TVD: 768.20m

SILTSTONE: pl-m grn, pl gry, gry grn, off wh, arg, mnf glauc gr, rr pyr nods, frm-mod hd, dis i/p, sbbky, mnf amor

MW: 1.19 FV: 75 PV: 21 YP: 31  
GELS: 9/15/21 SOL: 5.22  
pH: 8.5 Ck: 8.5 CL: 66000

SANDSTONE: off wh-pl gry, clr-trnsl, crs-v crs, m i/ p, mod srtcd, sbang-rnd, wk sil cmt, occ off wh arg mtrx occ pyr nods, lse gr, mnf fri, fr-gd inf por, no fluor

SANDSTONE: off wh-pl gry, clr-trnsl, crs-v crs, m i/ p, mod srtcd, sbang-rnd, wk sil cmt, occ off wh arg mtrx occ pyr nods, lse gr, mnf fri, fr-gd inf por, no fluor



WOB: 6.32kbs  
 RPM: 120-133  
 GPM: 680-860  
 SPP: 1722-1745psi

WOB: 6.42kbs  
 RPM: 59-133  
 GPM: 650-780  
 SPP: 975-2058psi  
 07/22/08

WOB: 5.50kbs  
 RPM: 55-164  
 GPM: 660-850  
 SPP: 1665-2355psi

**SANDSTONE:** off wh-pl gry,  
 clr-trnsl, crs-v crs, m i/ p, mod  
 srted, sbang-rnd, wk sil cmt,  
 occ off wh arg mtrx occ pyr  
 nods, lse gr, mnr fri, fr-gd inf  
 por, no fluor

Survey at 883.67m  
 Inc: 3.87° Azi: 140.62°  
 TVD: 883.50m

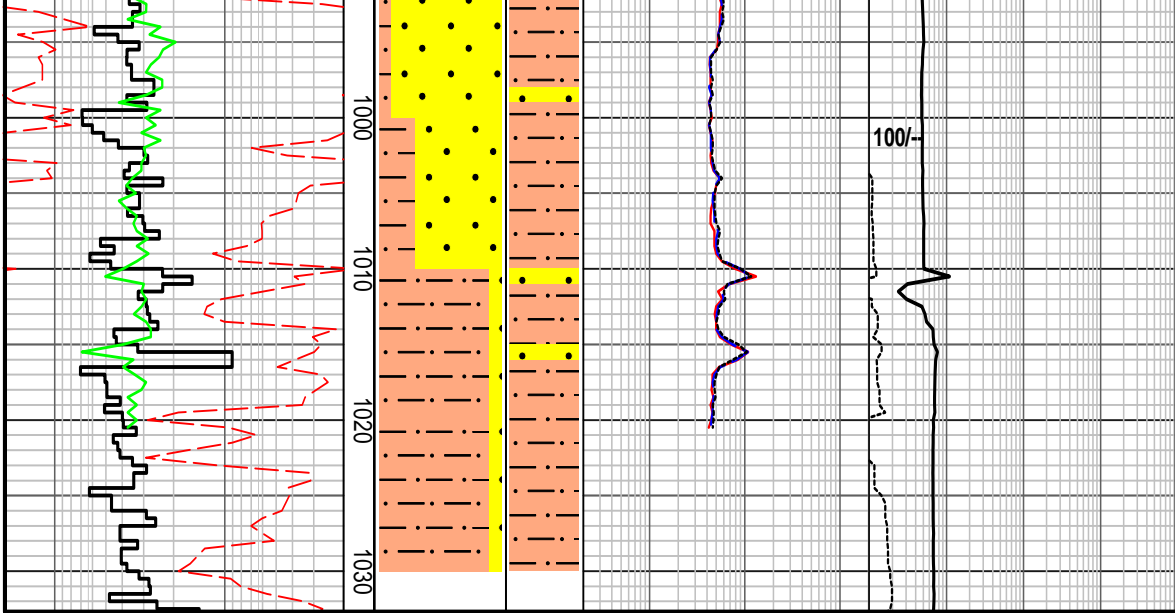
**SANDSTONE:** lt brnsh gy i/p,  
 clr-trnsl, f- crs, pr srt,  
 sbang-sbrndd, nil cmt, rr lt  
 brnsh gy arg mtrx, rr nod pyr,  
 tr mic, tr liths, pred lse qtz gr,  
 gd inf por, no fluor

**SANDSTONE:** lt brnsh gy i/p,  
 clr-trnsl, f- crs, pr srt,  
 sbang-sbrndd, nil cmt, rr lt  
 brnsh gy arg mtrx, rr nod pyr,  
 tr mic, tr liths, pred lse qtz gr,  
 gd inf por, no fluor

**SANDSTONE:** lt brnsh gy i/p,  
 clr-trnsl, f- crs, pr srt,  
 sbang-sbrndd, nil cmt, rr lt  
 brnsh gy arg mtrx, rr nod pyr,  
 tr mic, tr liths, pred lse qtz gr,  
 gd inf por, no fluor

Survey at 998.24m  
 Inc: 13.64° Azi: 148.11°  
 TVD: 996.9m

SILTSTONE: m brn, m brnsh  
 gy, arg, loc vf aren, tr f carb  
 spks, tr vf glauc, sft frm, disp  
 i/p, sbblky



**HENRY-2 FORMATION EVALUATION LOG**

<p><b>WOB</b> 10   20   30   40 klbf <b>ROP</b> 200   20 m/hr <b>Gamma</b> 50   100   150   200 GAPI</p>		MD meters 1:500	LITHOLOGY %	INTERPRETED LITHOLOGY	RESISTIVITY	CHROMATOGRAPH	DIRECT FLUORESCENCE	CUT FLUORESCENCE	CALC	REMARKS
					<p>Resistivity (shallow) 2   20   200 OHMM</p> <p>Resistivity (medium) 2   20   200 OHMM</p> <p>Resistivity (deep) 2   20   200 OHMM</p>	<p>Total Gas 1   10   100   1000 unit</p> <p>Methane</p> <p>Ethane</p> <p>Propane</p> <p>i-Butane</p> <p>n-Butane</p> <p>i-Pentane</p> <p>n-Pentane</p> <p>100   1000   10000   100000 ppm</p>	<p>CUT FLUORESCENCE</p> <p>PFG</p> <p>PFG</p>	<p>Calcite 0   100</p> <p>Dolomite 100   0</p>		