HALLIBURTON | Sperry Drilling

Geo: Shaker Latif
Geo: Osama Said

Eng.: Amr Abd Elsatar
Eng.: Ahmed Ghobashy
Eng.: Karim Ebrahim
Eng.: Mohamed Samir

Powered by INSITE™

1 : 500

Country	: Egypt
Field	: Simian
Location	: Lat: 32° 06' 17.125" North Long: 30° 45' 59.656" East
Well	: Simian-Db
Company	: Rashpetco
Rig	: Amirante

Company : **Rashpetco**
Rig : **Amirante**
Well : **Simian-Db**
Field : **Simian**
Country : **Egypt**
DOE Number :

LOCATION

Latitude : **Lat: 32° 06' 17.125" North**
Longitude : **Long: 30° 45' 59.656" East**

UTM Easting = 592967.470 m
UTM Northing = 1043381.591 m

Other Services
PPFG

Permanent Datum : **Mean Sea Level**
Log Measured From : **KB** **26.50 m** Above Permanent Datum
Drilling Measured From : **KB**

Elevation : **0.00 m**

MD LOG

Elev. KB **26.5**
DF **26.5**
GL **0.00**
WD **503**

Depth Logged : **529.50 m** To **2,092.00 m**
Date Logged : **18-May-12** To **10-Jun-12**
Total Depth MD : **2,092.00 m** TVD : **2,092.00 m**
Spud Date : **18-May-12**

Unit No. : **315**
Job No. : **-XX-**

Plot Type : **Field**
Plot Date : **09-Apr-12**

Run No.	Borehole Record (MD) Size	From	To
	36.000 in	529.50 m	603.00 m
	26.000 in	603.00 m	1207.00 m
	17.500 in	1207.00 m	1655.00 m
	12.250 in	1655.00 m	2092.00 m

Run No.	Borehole Record (MD) Size	From	To

Casing Record (MD)

Size	Weight	From	To
30.000	310.49	529.50	599.00
20.000	129.00	529.50	1202.00
13.375	72.00	529.50	1648.00

LEGEND

Lithology Symbols

Chalk, Marl, Mudstone, Gumbo, Chert, Halite, Anhydrite, Gypsum, Gravel

Sand, Sandstone, Silt, Siltstone, Clay, Claystone, Shale, Coal, Limestone, Dolomite

Abbreviations and Symbols

Mud Data

Cl-	Chloride Ion Conc	Rm	Mud Resistivity		
FC	Filter Cake	Rmf	Filtrate Resistivity		
FL	Filtrate Loss	S	Solids Content		
G	Gels	Vis	Funnel Viscosity		
pH	Hydrogen Ion Content	MW	Mud Weight		
PV	Plastic Viscosity	YP	Yield Point		

Engineering Data

Core No., Water, DST No., Salt Water, Casing Seat, Fresh Water, Side Wall Core, Hydrocarbons Smell, Gas Traces, H2S Smell, Gas, RFT, Interval Tester, Oil Traces, E-LOG, Wireline Log Run, Oil, LOT, Leakoff Test

Drilling Data

BG	Background Gas	LAT	Logged After Trip	PR	Partial Returns
BHT	Bottomhole Temp	NB	New Bit	RPM	Revs Per Minute
C	Carbide Test	NR	No Returns	RRB	Rerun Bit
CB	Core Bit	PDC	Polycrystalline Diamond Compound Bit	STG	Short Trip Gas
CG	Connection Gas			TB	Turbo Drill
CKF	Check For Flow			TG	Trip Gas
CO	Circulate Out			U	Gas Units
DB	Diamond Bit			WOB	Weight On Bit
DC	Depth Correction				
DS	Direction Survey				
DST	Drillstem Test				
FLT	Flowline Temp.				

Bitumen | PIT Pressure Integrity Test | Conglomerate

RPM 200 100 0
WOB (KLB) 0 25 50
Logging ROP avg 0 50
TORQ 10K foot-pond 0
Measured Depth (mtr)
Calcimetry 0 100
Lithology Percentage
Lag Gas Hydrocarbon Avg 0 10
Gas Chromatograph
METHANE (ppm)
ETHANE (ppm)
PROPANE (ppm)
TOTAL BUTANE (ppm)
TOTAL PENTANE (ppm)
1 10 100 1K 10K 100K
Lithology
Lithology Description & Remarks

520
530
540
550
560
570
580
590
600
610
620
630

18-MAY-2012

BIT#1, XT1GSRC, 26", (3X20+1X16 Jets), IN 529.5m, Drld 73.7m in 10hrs.

WOB : 0 - 5 klb
RPM : 50-130 rpm
TRQ : 1700-3000 ft.lb
SPP : 1300-2300 psi
FLOW: 900-1200 gpm

18-MAY-2012
19-MAY-2012
19-MAY-2012
21-MAY-2012

BIT#2, XT1GSRC, 26", (3X20+1X16 Jets), IN 603m, Drld 604m in 39.7hrs.

26" X 36" hole

0.87 Deg, Azim 14.25

1.46 Deg, Azim 64.22

1.11 Deg, Azim 50.12

26" hole

Spud Date 18-May-2012
Water Depth = 503m
RKB-MSL = 26.5m

Mud: Sea water w/ gel sweep.

Return to sea bed

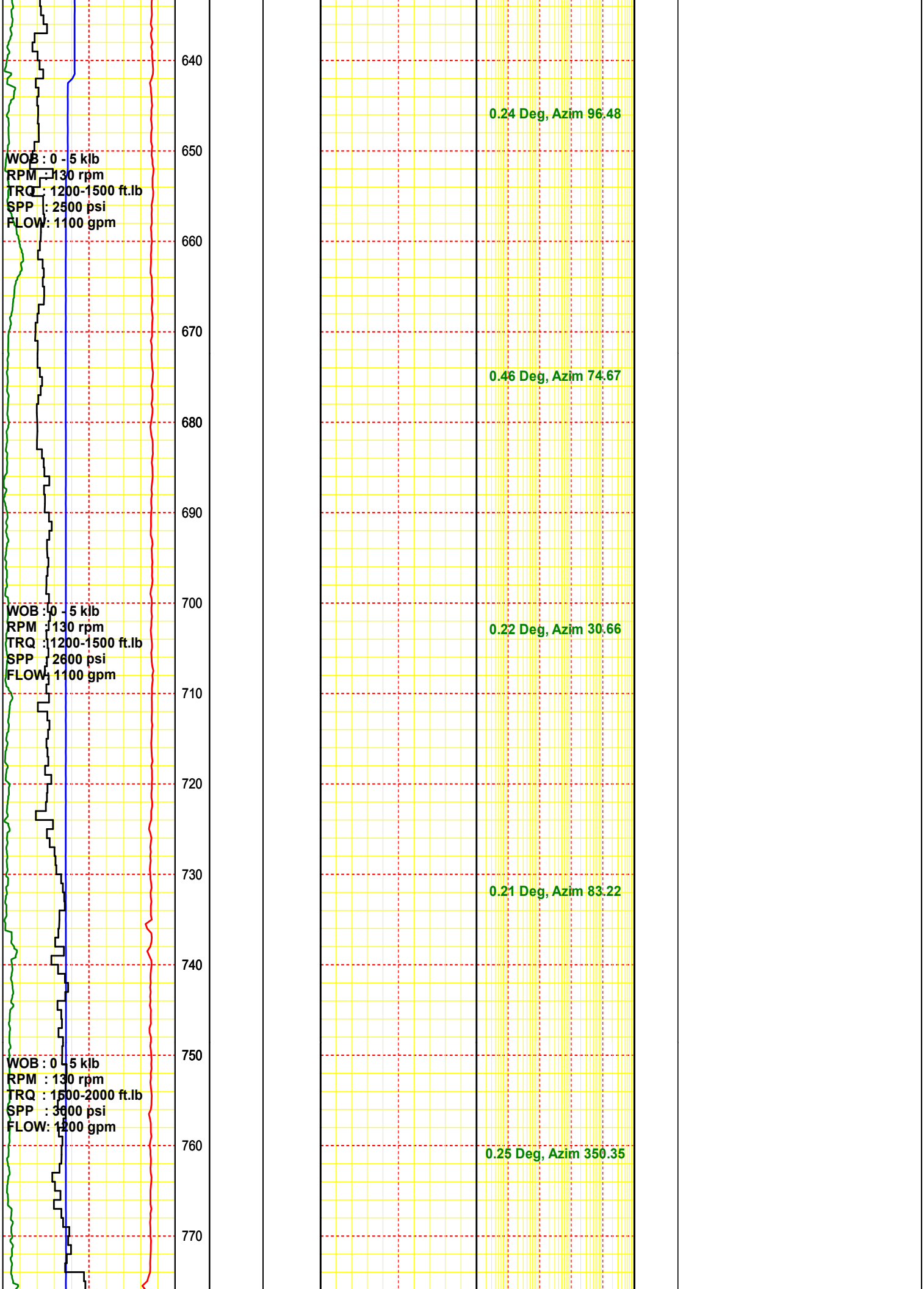
Mud data for high viscous pills
MW: 8.7 ,VIS : 94, PH : 9.5
PV/YP :19/54.

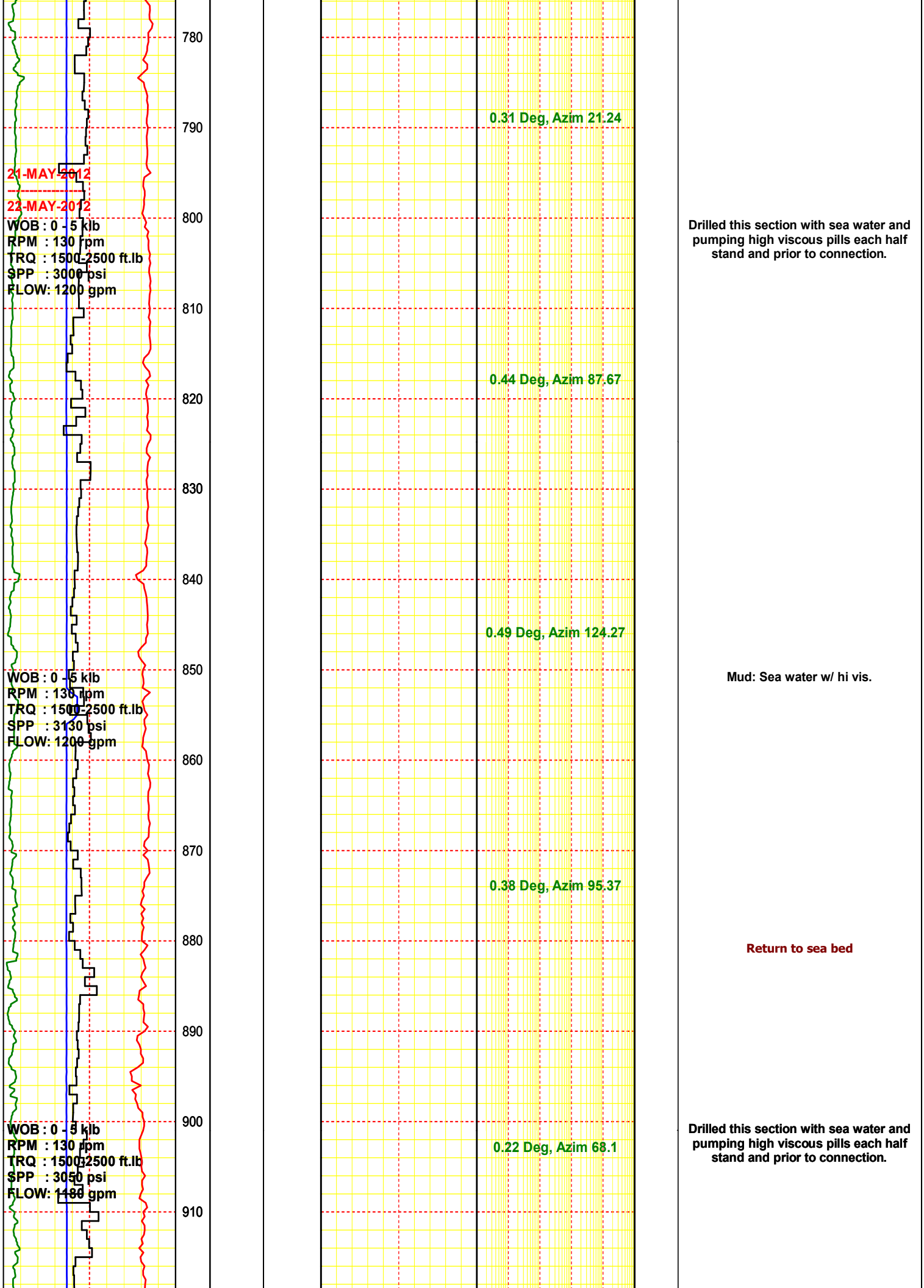
30" CP. SET @ 599m

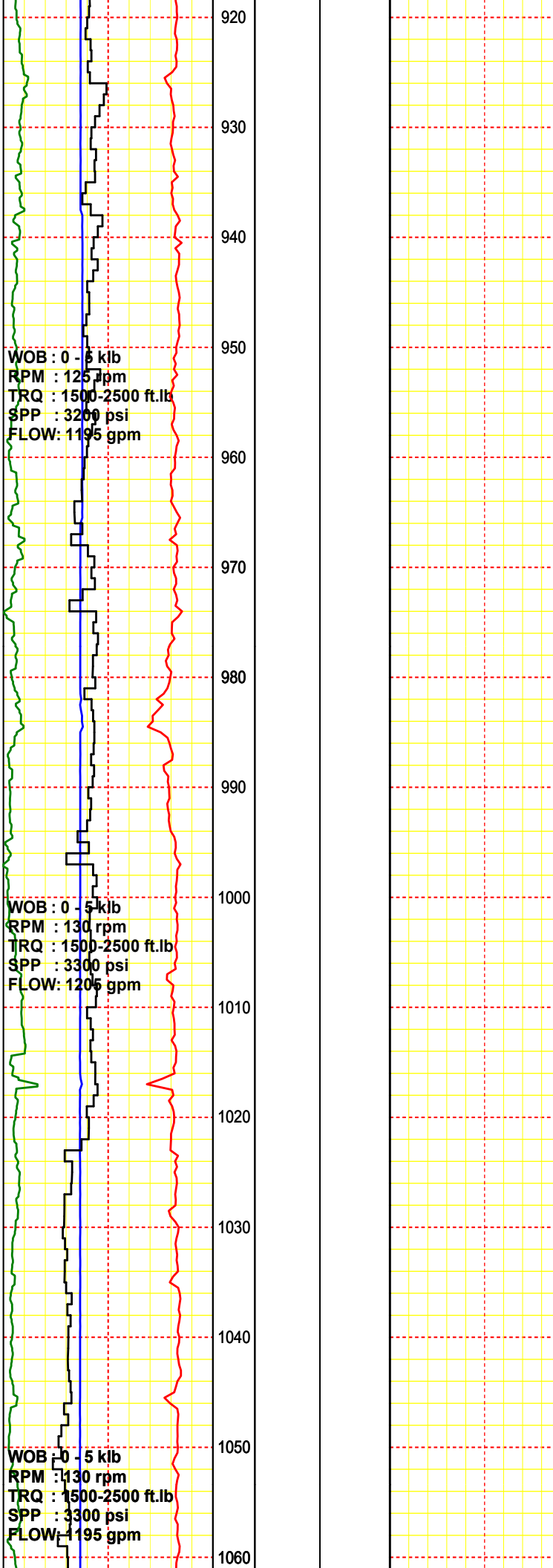
STOP DRLG @603m TO RUN 30" CP.

Drilled this section with sea water and pumping high viscous pills each half stand and prior to connection.

Return to sea bed


640
650
660
670
680
690
700
710
720
730
740
750
760
770
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1200-1500 ft.lb
SPP : 2500 psi
FLOW: 1100 gpm
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1200-1500 ft.lb
SPP : 2600 psi
FLOW: 1100 gpm
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1500-2000 ft.lb
SPP : 3600 psi
FLOW: 1200 gpm
0.24 Deg, Azim 96.48
0.46 Deg, Azim 74.67
0.22 Deg, Azim 30.66
0.21 Deg, Azim 83.22
0.25 Deg, Azim 350.35


780
790
800
810
820
830
840
850
860
870
880
890
900
910
21-MAY-2012
22-MAY-2012
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1500-2500 ft.lb
SPP : 3000 psi
FLOW: 1200 gpm
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1500-2500 ft.lb
SPP : 3130 psi
FLOW: 1200 gpm
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1500-2500 ft.lb
SPP : 3050 psi
FLOW: 1180 gpm
0.31 Deg, Azim 21.24
0.44 Deg, Azim 87.67
0.49 Deg, Azim 124.27
0.38 Deg, Azim 95.37
0.22 Deg, Azim 68.1
Drilled this section with sea water and pumping high viscous pills each half stand and prior to connection.
Mud: Sea water w/ hi vis.
Return to sea bed
Drilled this section with sea water and pumping high viscous pills each half stand and prior to connection.



0.13 Deg, Azim 197.28

0.09 Deg, Azim 173.85

0.22 Deg, Azim 275.62

0.33 Deg, Azim 222.24

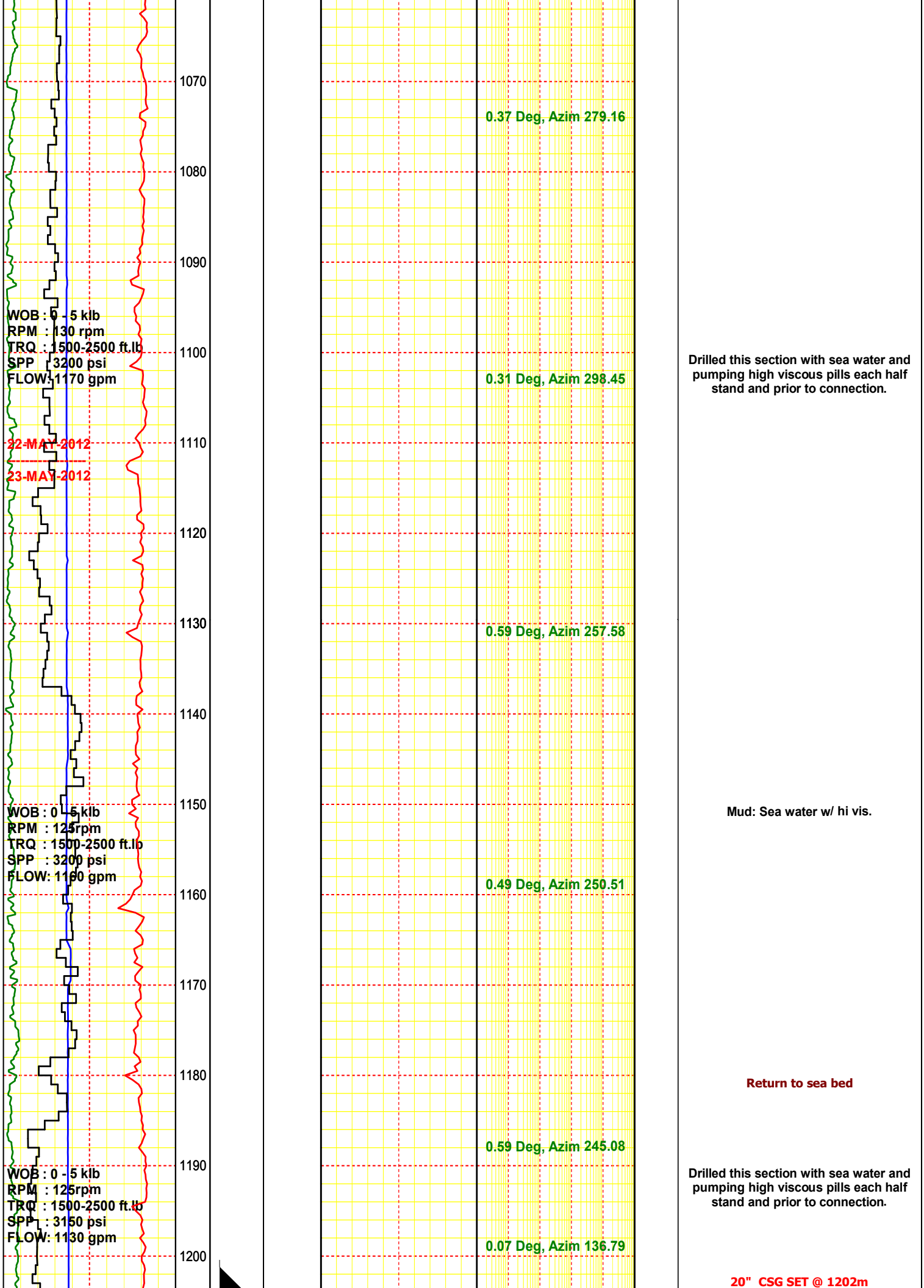
0.28 Deg, Azim 212.04

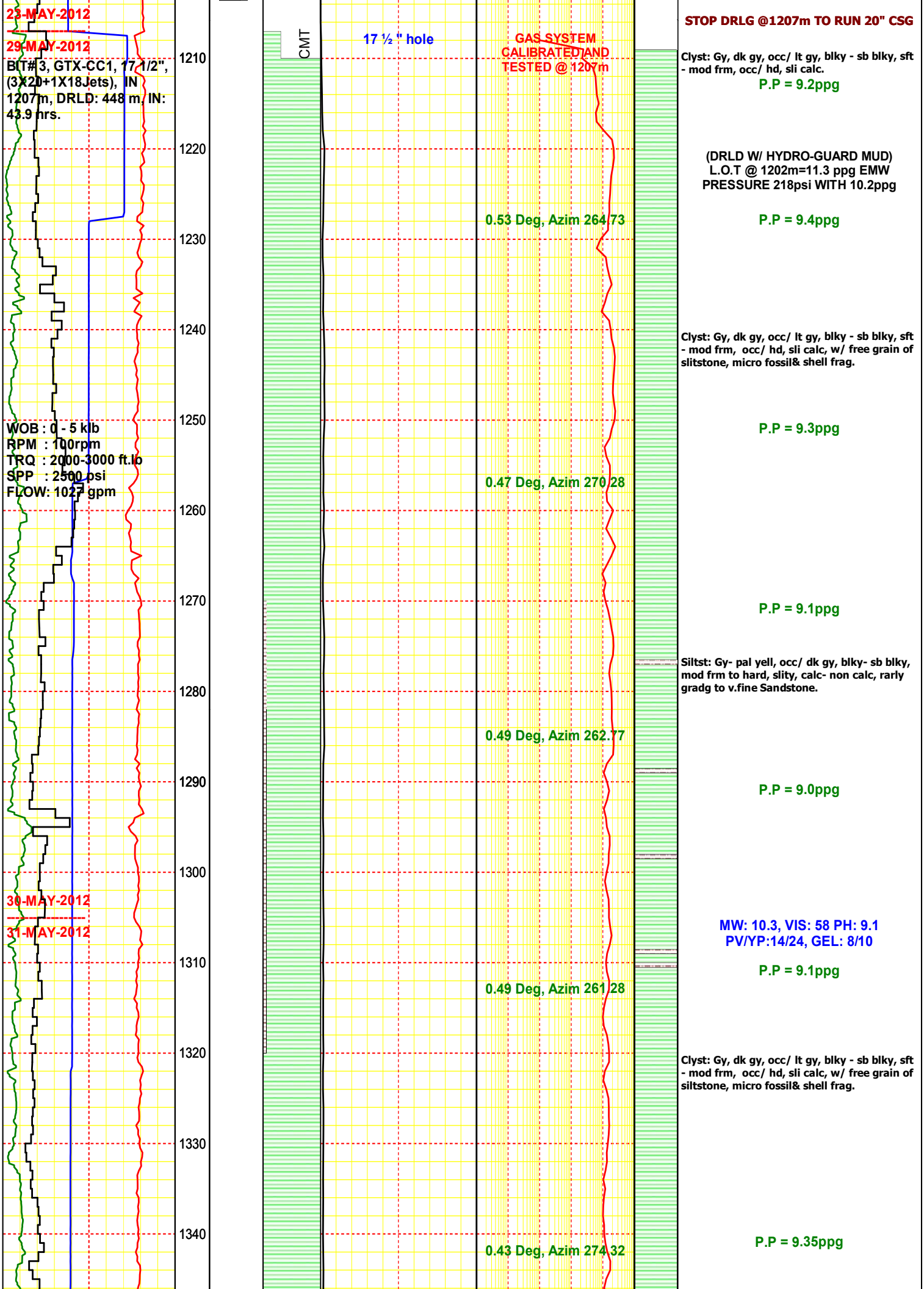
Mud: Sea water w/ hi vis.

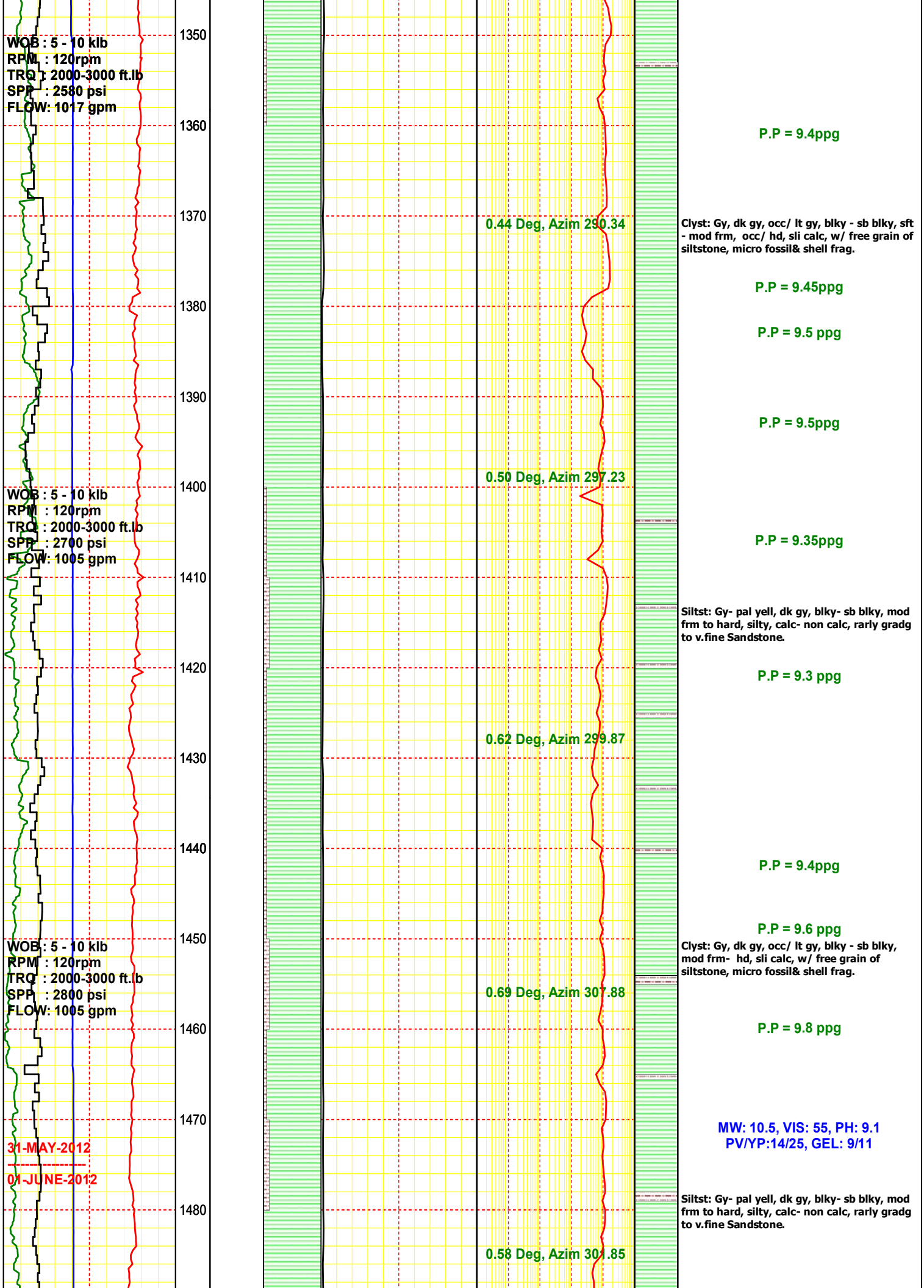
Drilled this section with sea water and pumping high viscous pills each half stand and prior to connection.

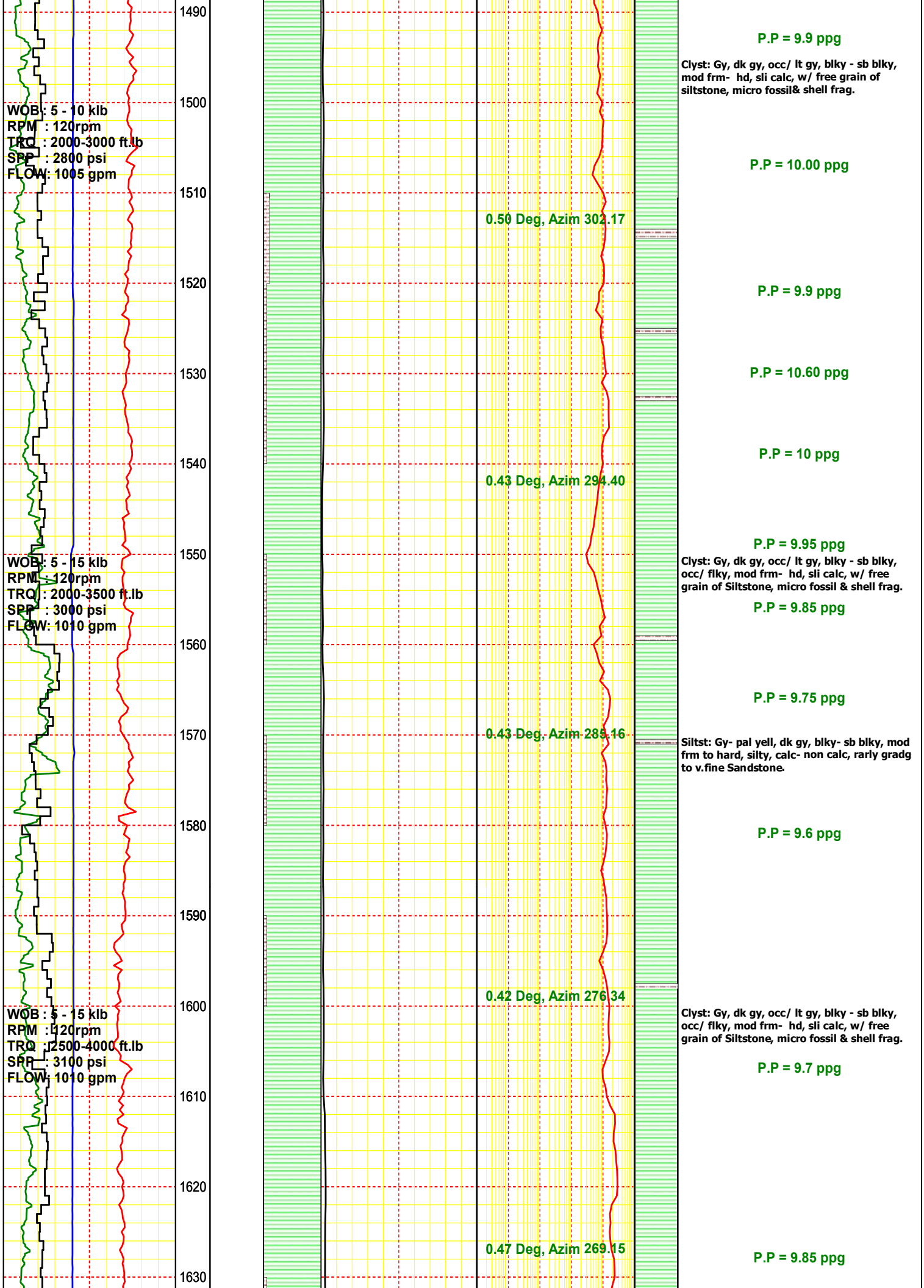
Return to sea bed

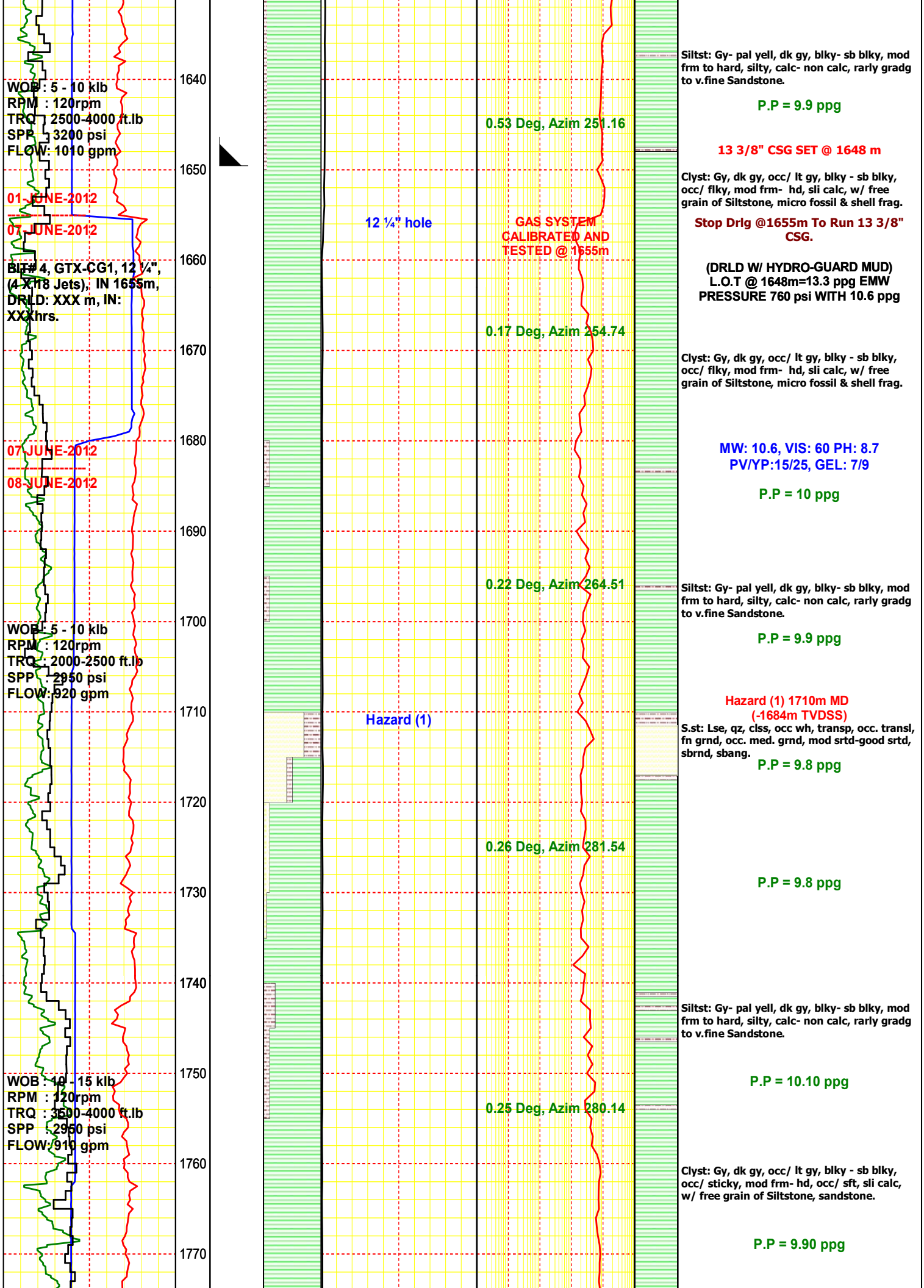
Mud: Sea water w/ hi vis.

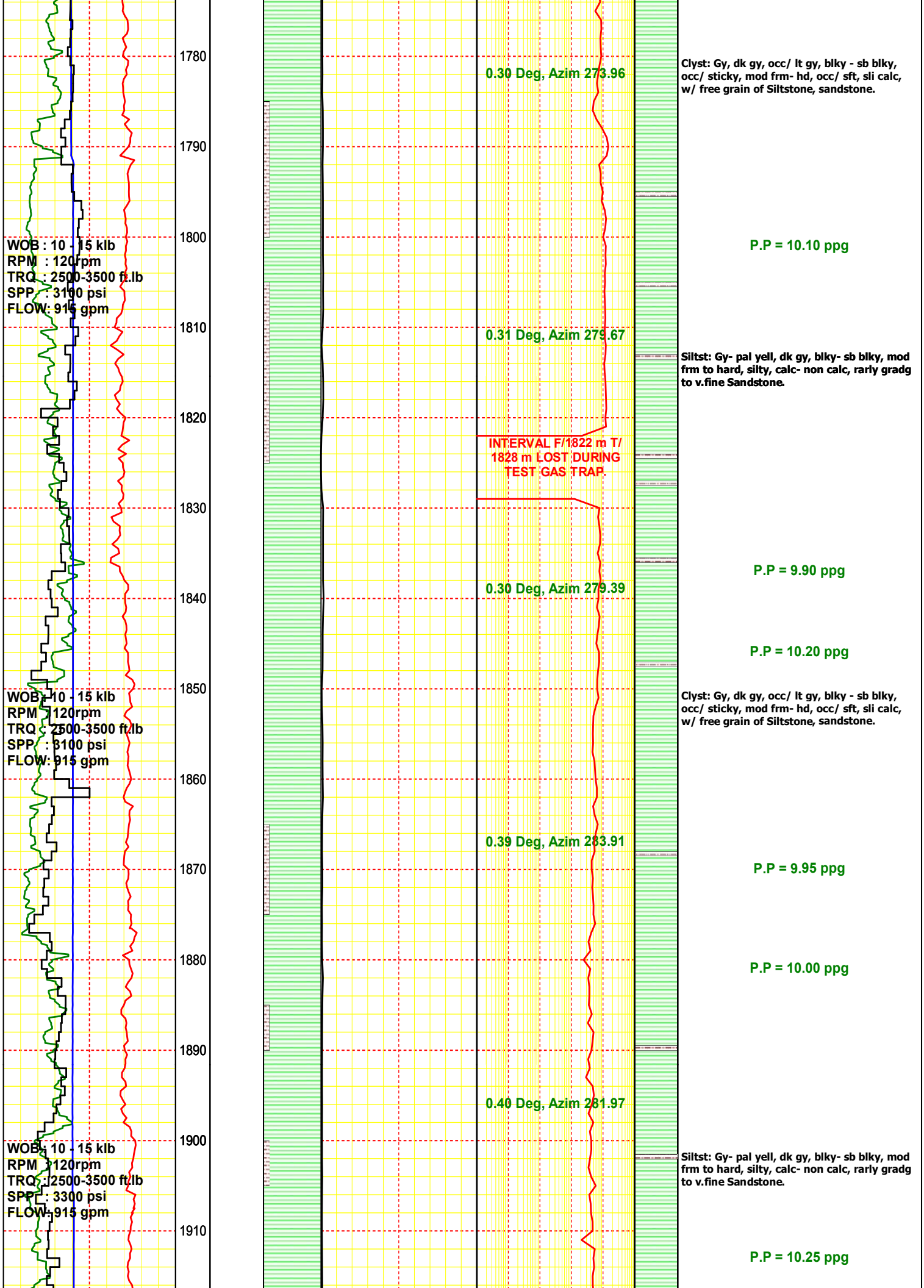

1070
1080
1090
1100
1110
1120
1130
1140
1150
1160
1170
1180
1190
1200
0.37 Deg, Azim 279.16
0.31 Deg, Azim 298.45
0.59 Deg, Azim 257.58
0.49 Deg, Azim 250.51
0.59 Deg, Azim 245.08
0.07 Deg, Azim 136.79
WOB : 0 - 5 klb
RPM : 130 rpm
TRQ : 1500-2500 ft.lb
SPP : 3200 psi
FLOW: 1170 gpm
22-MAY-2012
23-MAY-2012
WOB : 0 - 5 klb
RPM : 125rpm
TRQ : 1500-2500 ft.lb
SPP : 3200 psi
FLOW: 1160 gpm
WOB : 0 - 5 klb
RPM : 125rpm
TRQ : 1500-2500 ft.lb
SPP : 3150 psi
FLOW: 1130 gpm
Drilled this section with sea water and pumping high viscous pills each half stand and prior to connection.
Mud: Sea water w/ hi vis.
Return to sea bed
Drilled this section with sea water and pumping high viscous pills each half stand and prior to connection.
20" CSG SET @ 1202m

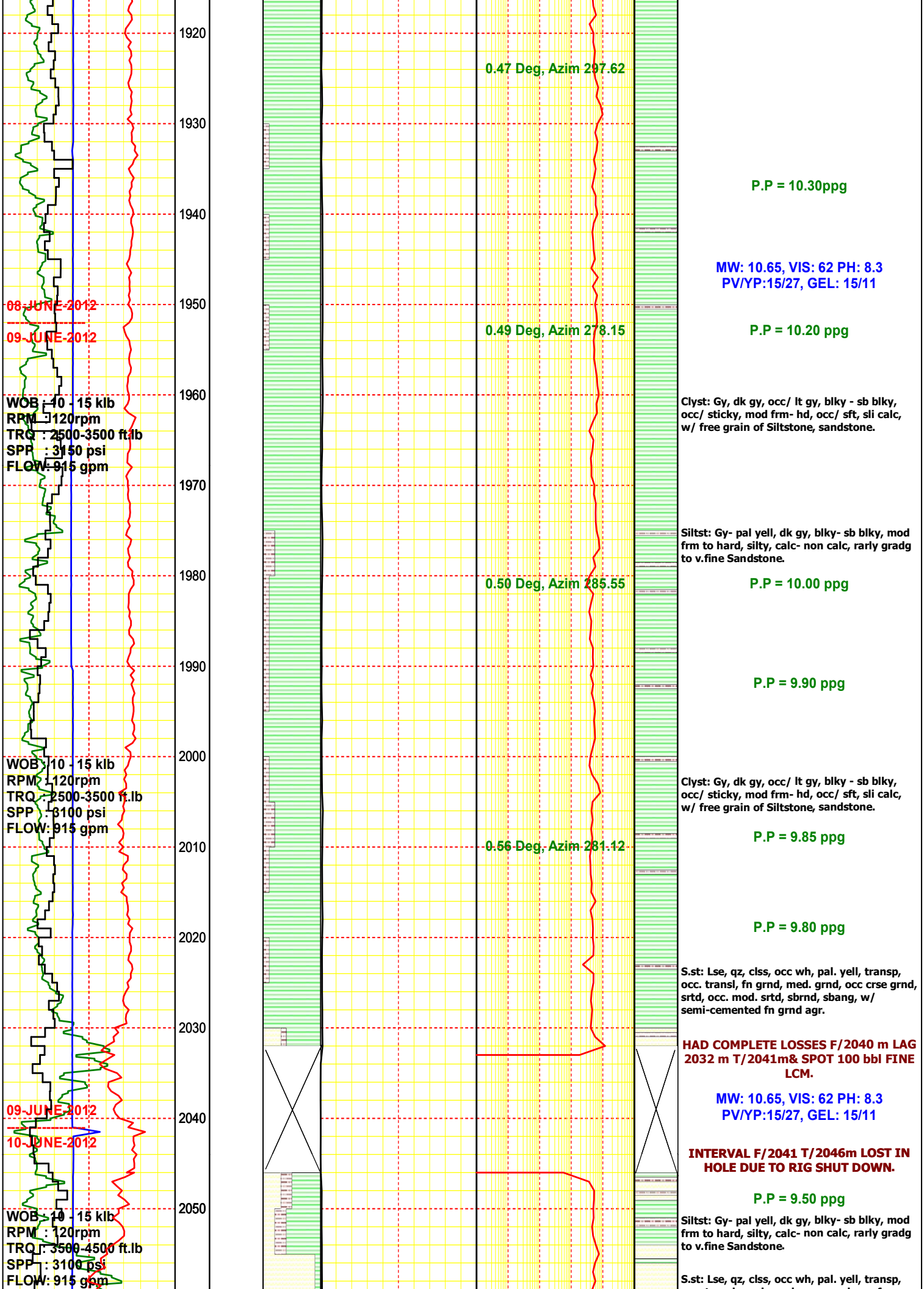

23-MAY-2012
29-MAY-2012
BIT#3, GTX-CC1, 17 1/2", (3X20+1X18Jets), IN 1207m, DRLD: 448 m, IN: 43.9 hrs.
WOB : 0 - 5 klb
RPM : 100rpm
TRQ : 2000-3000 ft.lb
SPP : 2500 psi
FLOW: 1027 gpm
30-MAY-2012
31-MAY-2012
1210
1220
1230
1240
1250
1260
1270
1280
1290
1300
1310
1320
1330
1340
CMT
17 ½ " hole
GAS SYSTEM CALIBRATED AND TESTED @ 1207m
0.53 Deg, Azim 264.73
0.47 Deg, Azim 270.28
0.49 Deg, Azim 262.77
0.49 Deg, Azim 261.28
0.43 Deg, Azim 274.32
STOP DRLG @1207m TO RUN 20" CSG
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, sft - mod frm, occ/ hd, sli calc.
P.P = 9.2ppg
(DRLD W/ HYDRO-GUARD MUD)
L.O.T @ 1202m=11.3 ppg EMW
PRESSURE 218psi WITH 10.2ppg
P.P = 9.4ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, sft - mod frm, occ/ hd, sli calc, w/ free grain of slitstone, micro fossil& shell frag.
P.P = 9.3ppg
P.P = 9.1ppg
Siltst: Gy- pal yell, occ/ dk gy, blky- sb blky, mod frm to hard, slity, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 9.0ppg
MW: 10.3, VIS: 58 PH: 9.1
PV/YP:14/24, GEL: 8/10
P.P = 9.1ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, sft - mod frm, occ/ hd, sli calc, w/ free grain of siltstone, micro fossil& shell frag.
P.P = 9.35ppg

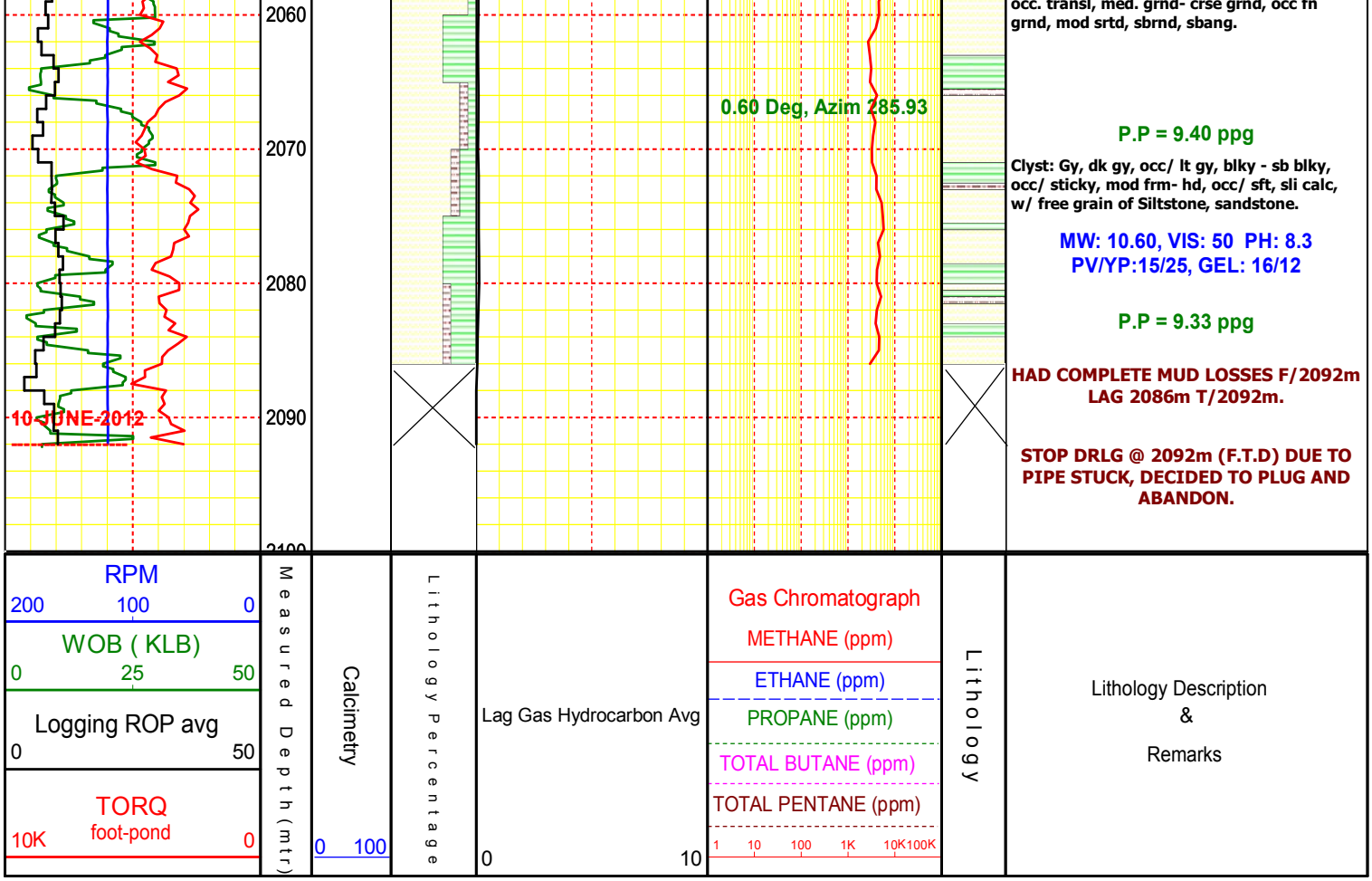

WOB : 5 - 10 klb
RPM : 120rpm
TRQ : 2000-3000 ft.lb
SPP : 2580 psi
FLOW: 1017 gpm
1350
1360
1370
1380
1390
1400
1410
1420
1430
1440
1450
1460
1470
1480
WOB : 5 - 10 klb
RPM : 120rpm
TRQ : 2000-3000 ft.lb
SPP : 2700 psi
FLOW: 1005 gpm
WOB : 5 - 10 klb
RPM : 120rpm
TRQ : 2000-3000 ft.lb
SPP : 2800 psi
FLOW: 1005 gpm
31-MAY-2012
01-JUNE-2012
0.44 Deg, Azim 290.34
0.50 Deg, Azim 297.23
0.62 Deg, Azim 299.87
0.69 Deg, Azim 307.88
0.58 Deg, Azim 301.85
P.P = 9.4ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, sft - mod frm, occ/ hd, sli calc, w/ free grain of siltstone, micro fossil& shell frag.
P.P = 9.45ppg
P.P = 9.5 ppg
P.P = 9.5ppg
P.P = 9.35ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 9.3 ppg
P.P = 9.4ppg
P.P = 9.6 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, mod frm- hd, sli calc, w/ free grain of siltstone, micro fossil& shell frag.
P.P = 9.8 ppg
MW: 10.5, VIS: 55, PH: 9.1
PV/YP:14/25, GEL: 9/11
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.


1490
1500
1510
1520
1530
1540
1550
1560
1570
1580
1590
1600
1610
1620
1630
WOB: 5 - 10 klb
RPM : 120rpm
TRQ : 2000-3000 ft.lb
SPP : 2800 psi
FLOW: 1005 gpm
WOB: 5 - 15 klb
RPM : 120rpm
TRQ : 2000-3500 ft.lb
SPP : 3000 psi
FLOW: 1010 gpm
WOB : 5 - 15 klb
RPM : 120rpm
TRQ : 2500-4000 ft.lb
SPP : 3100 psi
FLOW: 1010 gpm
0.50 Deg, Azim 302.17
0.43 Deg, Azim 294.40
0.43 Deg, Azim 285.16
0.42 Deg, Azim 276.34
0.47 Deg, Azim 269.15
P.P = 9.9 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, mod frm- hd, sli calc, w/ free grain of siltstone, micro fossil& shell frag.
P.P = 10.00 ppg
P.P = 9.9 ppg
P.P = 10.60 ppg
P.P = 10 ppg
P.P = 9.95 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ flky, mod frm- hd, sli calc, w/ free grain of Siltstone, micro fossil & shell frag.
P.P = 9.85 ppg
P.P = 9.75 ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 9.6 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ flky, mod frm- hd, sli calc, w/ free grain of Siltstone, micro fossil & shell frag.
P.P = 9.7 ppg
P.P = 9.85 ppg


1640
1650
1660
1670
1680
1690
1700
1710
1720
1730
1740
1750
1760
1770
WOB : 5 - 10 klb
RPM : 120rpm
TRQ : 2500-4000 ft.lb
SPP : 3200 psi
FLOW: 1010 gpm
01-JUNE-2012
07-JUNE-2012
BIT# 4, GTX-CG1, 12 ¼", (4 X 18 Jets), IN 1655m, DRLD: XXX m, IN: XXXhrs.
07-JUNE-2012
08-JUNE-2012
WOB : 5 - 10 klb
RPM : 120rpm
TRQ : 2000-2500 ft.lb
SPP : 2950 psi
FLOW: 920 gpm
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 3500-4000 ft.lb
SPP : 2950 psi
FLOW: 910 gpm
12 ¼" hole
Hazard (1)
0.53 Deg, Azim 251.16
GAS SYSTEM CALIBRATED AND TESTED @ 1655m
0.17 Deg, Azim 254.74
0.22 Deg, Azim 264.51
0.26 Deg, Azim 281.54
0.25 Deg, Azim 280.14
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 9.9 ppg
13 3/8" CSG SET @ 1648 m
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ flky, mod frm- hd, sli calc, w/ free grain of Siltstone, micro fossil & shell frag.
Stop Drlg @1655m To Run 13 3/8" CSG.
(DRLD W/ HYDRO-GUARD MUD)
L.O.T @ 1648m=13.3 ppg EMW
PRESSURE 760 psi WITH 10.6 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ flky, mod frm- hd, sli calc, w/ free grain of Siltstone, micro fossil & shell frag.
MW: 10.6, VIS: 60 PH: 8.7
PV/YP:15/25, GEL: 7/9
P.P = 10 ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 9.9 ppg
Hazard (1) 1710m MD
(-1684m TVDSS)
S.st: Lse, qz, clss, occ wh, transp, occ. transl, fn grnd, occ. med. grnd, mod srtd-good srtd, sbrnd, sbang.
P.P = 9.8 ppg
P.P = 9.8 ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 10.10 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ sticky, mod frm- hd, occ/ sft, sli calc, w/ free grain of Siltstone, sandstone.
P.P = 9.90 ppg


1780
1790
1800
1810
1820
1830
1840
1850
1860
1870
1880
1890
1900
1910
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 2500-3500 ft.lb
SPP : 3100 psi
FLOW: 915 gpm
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 2500-3500 ft.lb
SPP : 3100 psi
FLOW: 915 gpm
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 2500-3500 ft.lb
SPP : 3300 psi
FLOW: 915 gpm
0.30 Deg, Azim 273.96
0.31 Deg, Azim 279.67
INTERVAL F/1822 m T/ 1828 m LOST DURING TEST GAS TRAP.
0.30 Deg, Azim 279.39
0.39 Deg, Azim 283.91
0.40 Deg, Azim 281.97
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ sticky, mod frm- hd, occ/ sft, sli calc, w/ free grain of Siltstone, sandstone.
P.P = 10.10 ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 9.90 ppg
P.P = 10.20 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ sticky, mod frm- hd, occ/ sft, sli calc, w/ free grain of Siltstone, sandstone.
P.P = 9.95 ppg
P.P = 10.00 ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 10.25 ppg


1920
1930
1940
1950
1960
1970
1980
1990
2000
2010
2020
2030
2040
2050
08-JUNE-2012
09-JUNE-2012
09-JUNE-2012
10-JUNE-2012
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 2500-3500 ft.lb
SPP : 3150 psi
FLOW: 915 gpm
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 2500-3500 ft.lb
SPP : 3100 psi
FLOW: 915 gpm
WOB : 10 - 15 klb
RPM : 120rpm
TRQ : 3500-4500 ft.lb
SPP : 3100 psi
FLOW: 915 gpm
0.47 Deg, Azim 297.62
0.49 Deg, Azim 278.15
0.50 Deg, Azim 285.55
0.56 Deg, Azim 281.12
P.P = 10.30ppg
MW: 10.65, VIS: 62 PH: 8.3
PV/YP:15/27, GEL: 15/11
P.P = 10.20 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ sticky, mod frm- hd, occ/ sft, sli calc, w/ free grain of Siltstone, sandstone.
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
P.P = 10.00 ppg
P.P = 9.90 ppg
Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ sticky, mod frm- hd, occ/ sft, sli calc, w/ free grain of Siltstone, sandstone.
P.P = 9.85 ppg
P.P = 9.80 ppg
S.st: Lse, qz, clss, occ wh, pal. yell, transp, occ. transl, fn grnd, med. grnd, occ crse grnd, srtd, occ. mod. srtd, sbrnd, sbang, w/ semi-cemented fn grnd agr.
HAD COMPLETE LOSSES F/2040 m LAG 2032 m T/2041m& SPOT 100 bbl FINE LCM.
MW: 10.65, VIS: 62 PH: 8.3
PV/YP:15/27, GEL: 15/11
INTERVAL F/2041 T/2046m LOST IN HOLE DUE TO RIG SHUT DOWN.
P.P = 9.50 ppg
Siltst: Gy- pal yell, dk gy, blky- sb blky, mod frm to hard, silty, calc- non calc, rarly gradg to v.fine Sandstone.
S.st: Lse, qz, clss, occ wh, pal. yell, transp,



occ. transl, med. grnd- crse grnd, occ fn grnd, mod srtd, sbrnd, sbang.

P.P = 9.40 ppg

Clyst: Gy, dk gy, occ/ lt gy, blky - sb blky, occ/ sticky, mod frm- hd, occ/ sft, sli calc, w/ free grain of Siltstone, sandstone.

MW: 10.60, VIS: 50 PH: 8.3
PV/YP:15/25, GEL: 16/12

P.P = 9.33 ppg

HAD COMPLETE MUD LOSSES F/2092m
LAG 2086m T/2092m.

STOP DRLG @ 2092m (F.T.D) DUE TO PIPE STUCK, DECIDED TO PLUG AND ABANDON.

RPM
200 100 0

WOB (KLB)
0 25 50

Logging ROP avg
0 50

TORQ
10K foot-pond 0

Measured Depth (mtr)

Calcimetry
0 100

Lithology Percentage

Lag Gas Hydrocarbon Avg
0 10

Gas Chromatograph
METHANE (ppm)
ETHANE (ppm)
PROPANE (ppm)
TOTAL BUTANE (ppm)
TOTAL PENTANE (ppm)
1 10 100 1K 10K 100K

Lithology

Lithology Description
&
Remarks