MASTERLOG
HLA-A7A

GENERAL
Country : AUSTRALIA
Permit : VIC L5
Field : HALIBUT
Basin : GIPPSLAND
Well Type : PRODUCTION
Rig Name : NABORS 453

SURFACE POSITION
Longitude : 148°9'12.758"E
Latitude : 38°24'15.043"S
MGA Co-ord X : 615274.27mE
MGA Co-ord Y : 5748513.89mN
RT to MSL : 29.45 m
RT to Sea Bed : 102.45 m

HOLE / CASING INFO
8-1/2" Hole to 3038.0 mMDRT

10-3/4" Csg Shoe at 552.2 mMDRT
7" Production Csg at 3034.0 mMDRT

DATE / DEPTH
Spud Date : 21-05-2007
Total Depth Date : 29-05-2007
Total Depth : 3038.0 mMDRT
True Vertical Depth : 2462.6 mMDRT
Log Scale : 1/ 200

ENGINEERS
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ABBREVIATIONS

MW	Mud Weight	WOB	Weight on Bit (klbs)
FV	Funnel Viscosity	RPM	Rotations Per Min
PV	Plastic Viscosity	FLW	Flow Rate (gpm)
YP	Yield Point	SPP	Pump Pressure (psi)
Gel	Gel Strength	RR	Re-Run Bit
WL	Water Loss	TG	Trip Gas
KCl	Potassium Chloride	CG	Connection Gas
Cl	Chlorides	BG	Background Gas
Incl	Inclination	DGP	Drilled Gas Peak
Az	Azimuth	MM	Mud Motor

LITHOLOGY LEGEND
CLAYSTONE, MARL, BRYOZOA, CARB FRAGMENT
SILTSTONE, LIMESTONE, RADIOLARITES, QUARTZITE
SANDSTONE, DOLOMITE, ECHINOIDS, INTRUSIVES
SHALE, CHERT, CORALS, GLAUCONITE
CONGLOMERATE, FORAMINIFERA, PYRITE
COAL, LITHIC FRAGMENT, CEMENT

ENGINEERING LEGEND
CASING SHOE, WIRELINE LOGS
LINER HANGER, MDT POINTS:
BIT CHANGE, PRESSURE ONLY
DEVIA. SURVEY, SAMPLE
SWC UNRECOV, SEAL FAILURE
SIDEWALL CORE, TIGHT
CORE, SLIDING

2694
2698
2702
2706
2710
(2216.7)
2714
2718
2722
2726
2730
(2231.7)
2734
2738
2742
2746
2750
(2246.8)
2754
2758
2762
2766
2770
(2261.9)
2774

28-05-07

WOB:5-8
TDRPM:115
MMRPM:172
SPP:3150
FLW:595

MW: 9.75
FV: 62
PV: 27
YP: 43
Gel:13/19
WI: 3.5
pH: 8.8
Cl: 46k

96 / 2 / 1 / 1

CALCILUTITE:lt gy-lt olv gy,tr-rr foss frag,ooid,echinoid,tr dissem & nod pyr,sft,amor-sbblky.

Survey:2695.04mMD(2205.5mTVD)
41.49°inc 164.79°az

PULL OUT OF HOLE TO RUN TAPERED 4"/5" DRILL STRING.

TG: 54u

BIT #2 8 1/2"
Hycalog RSX613M-C2
Jets: 6x18
In : 2700.0 mMDRT
Out : 3038.0 mMDRT
Run : 338.0 m
Hrs : 14.9
Cond: 0-1-BT-S-X-IN-NO-TD

CALCAREOUS CLAYSTONE:lt gy-lt bnsh gy,lt olv gy,arg,tr dissem pyr,tr lith,sft-frm,sbblky.

CALCILUTITE:lt-med gy,lt olv gy, rr slty,rr dissem pyr,sft-frm, sbblky.

Survey:2724.67mMD(2227.7mTVD)
41.37°inc 165.00°az

CALCAREOUS CLAYSTONE:olv gy, bn gy,arg,tr dissem pyr,tr lith,sft-frm,sbblky.

CALCILUTITE:med gy,lt olv gy-dk gy,mnr slty,g/t clslt i/p,frm, sbblky.

93 / 3 / 2 / 2

CALCAREOUS CLAYSTONE:olv gy, bn gy,arg,tr dissem & nod pyr,tr lith,v sft-dom frm,sbblky,occ disp.

Survey:2752.94mMD(2249.0mTVD)
41.14°inc 165.43°az

CALCAREOUS CLAYSTONE:olv gy, dk gy,arg,mnr,slty,rr dissem & nod pyr,tr lith,frm,sbblky.

90 / 5 / 3 / 2

Lag check at 2773.0 mMDRT
Theoretical 6755 stks
Actual 7633 stks
Difference 878 stks
13% OPEN HOLE OVERGAUGE

ADDING BARACARB FROM 2773.0 mMDRT.

2778

CALCAREOUS CLAYSTONE:olv gy, bn gy,arg,tr dissem pyr,tr lith,sft-frm,sbblky.

2782

Survey:2782.04mMD(2270.9mTVD)
40.96°inc 165.71°az

2786

2790
(2277)

CALCAREOUS CLAYSTONE:lt olv gy,med gy,arg,tr dissem pyr, tr lith,sft-frm,sbblky.

2794

2798

85 / 6 / 6 / 3

500 50 5 .5 .5 5 50 500 5K
100 1K 10K 100K 1000K

29-05-07

CALCAREOUS CLAYSTONE:olv gy, bn gy,arg,slty i/p,tr dissem pyr,tr lith,sft-frm,sbblky.

2802

WOB:5-8
TDRPM:115
MMRPM:170
SPP:3200
FLW:600

2806

2810
(2292.1)

Survey:2810.51mMD(2292.5mTVD)
40.76°inc 165.74°az

2814

2818

Top of Latrobe (Loc U1)
2819.8mMDRT 2299.5mTVDRT
(-2270.1mTVDSS)

2822

Top of Coarse Clastics
2825.1mMDRT 2303.5mTVDRT
(-2274.1mTVDSS)

2826

M111 Sand
2825.0mMDRT 2303.5mTVDRT
(-2274.1mTVDSS)

2830
(2307.2)

SILTSTONE:pl bn-dk yel bn,arg, mnr carb spk,tr micmic,tr lith, sft-rr frm,sbblky.

MW: 9.85
FV: 64
PV: 28
YP: 43
Gel:11/17
WI: 2.7
pH: 9.1
Cl: 45k

2834

18 / 8 / 21 / 30 / 23

2838

SANDSTONE:v pl gy-lt gy,vf-f,mod wl srt,sa-sr,pl gy arg mtx,tr-loc mnr glauc,tr qtz grn,ti inf por,fluor.

2842

Survey:2839.39mMD(2314.3mTVD)
40.92°inc 165.91°az

FLUORESCENCE:2820.0-2900.0m Tr-10%,no vis oil stng,pl-mod bri ptchy yelsh gn fluor,slw diff dir cut, slw crsh cut,thn pl bluish wh rng res.

2846

2850
(2322.3)

SANDSTONE:pl gy,clr-opq,f-crs,mod srt,abdt pl gy arg mtx,lse i/p, fri,tr glauc,tr nod pyr,pr inf por.

2854

2858

M131 Sand
2859.5mMDRT 2329.5mTVDRT
(-2300.1mTVDSS)

19 / 8 / 21 / 29 / 23

SANDSTONE:clr-opq,pl gy,med-v crs,mod srt,sa-sr,sbsph,mnr pl gy arg mtx,pred lse cln qtz gns,pf inf por.

Survey:2868.67mMD(2336.4mTVD)
41.23°inc 165.97°az

SILTSTONE:lt-med gy,gy bn,yelsh bn i/p,arg,tr carb spk,mnr micmic, tr lith,sft-frm,sbblky.

SANDSTONE:clr-opq,pl gy,med-v crs,mod srt,sa-sr,sbsph,tr pl gy arg mtx,pred lse cln qtz gn,pr inf por

M132U Sand
2886.8mMDRT 2350.0mTVDRT
(-2320.6mTVDSS)

21 / 9 / 23 / 28 / 19

FLUORESCENCE:2900.0-2980.0m Tr-5%,no vis oil stn,pl yelsh gn pnpt fluor,no dir cut,v slw crsh cut, thn pl bluish wh rng res.

Survey:2897.47mMD(2358.0mTVD)
41.60°inc 166.15°az

M132L Sand
2899.5mMDRT 2359.5mTVDRT
(-2330.1mTVDSS)

20 / 9 / 23 / 28 / 20

M141 Sand
2906.9mMDRT 2365.0mTVDRT
(-2335.6mTVDSS)

SILTSTONE:med bn,yelsh bn,com micmic,com carb spk & lam,g/t CARB SLTST i/p,sft-frm,sbblky

22 / 9 / 21 / 27 / 21

COAL:dk bn-bn blk,g/t CARB SLTST dll-sbvit,frm-brit,evn-sbblky.

M142 Sand
2923.0mMDRT 2377.0mTVDRT
(-2346.6mTVDSS)

28 / 9 / 20 / 24 / 19

Survey:2926.34mMD(2379.5mTVD)
42.00°inc 166.28°az

M145 Sand
2929.7mMDRT 2382.0mTVDRT
(-2352.6mTVDSS)

27 / 9 / 19 / 26 / 19

SANDSTONE:pl gy,clr-opq,f-med agg,crs-v crs lse gn,mod pr srt, sa-sr,sbsph,tr pyr cmt,tr nod pyr, com pl gy mtx in agg,pr-fr inf por.

2862
2866
2870
(2337.4)
2874
2878
2882
2886
2890
(2352.4)
2894
2898
2902
2906
2910
(2367.3)
2914
2918
2922
2926
2930
(2382.2)
2934
2938
2942

WOB:6-10
TDRPM:115
MMRPM:172
SPP:3225
FLW:595

MW: 9.95
FV: 63
PV: 28
YP: 42
Gel:11/18
WI: 3.0
pH: 9.0
Cl: 46k

M151 Sand
2944.5mMDRT 2393.0mTVDRT
(-2363.6mTVDSS)

22 / 8 / 19 / 28 / 23

2946

2950
(2397.1)

SANDSTONE:pl gy,clr-opq,f-med agg,crs-v crs,lse gn,mod pr srt, sa-sr,sbsph,tr pyr cmt,tr nod pyr com pl gy arg mtx in agg,pr-fr inf por.

2954

Survey:2955.29mMD(2401.1mTVD)
41.78°inc 166.14°az

2958

15 / 5 / 18 / 32 / 30

2962

SANDSTONE:clr-opq,med-crs,mod srt,sa-sr,sbsph,tr frac gn,tr pyr cmt, tr nod pyr,lse cln qtz gn,fr inf por.

2966

2970
(2412)

FLUORESCENCE:2980.0-3000.0m 10-20%,no vis oil stn,mod bri gnsh yel ptchy fluor,no dir cut,slw crsh cut,thk pl blush wh rng res.

2974

2978

SANDSTONE:clr-opq,med-crs,mod srt,sa-sr,sbsph,com v pl gy arg mtx, gen lse qtz gn,pr-fr inf por.

2982

Survey:2984.43mMD(2422.8mTVD)
41.64°inc 165.94°az

2986

WOB:6-10
TDRPM:115
MMRPM:172
SPP:3225
FLW:595

2990
(2427)

SILTSTONE:med bn,med-dk gy i/p, com micmic,com carb spk,sft-frm, sbblky.

2994

2998

500 50 5 .5 .5 100 5 1K 50 10K 500 100K 5K 1000K

3002

SANDSTONE:opq,pl gy,med,rr crs,lse gns,sa-sr,sbsph,abdt v pl gy arg mtx, tr lith,pr inf por,no fluor.

MW: 9.85
FV: 60
PV: 27
YP: 42
Gel:11/17
WI: 3.0
pH: 8.9
Cl: 46k

CHANGED DELASCO RUBBER IN GZG DEGASSER

3006

15 / 5 / 18 / 32 / 30

3010
(2441.8)

SANDSTONE:clr-trnsl,pl bn gy,f-med, rr crs lse gns,mod srt,sbsph,abdt v pl gy arg mtx,tr lith,tr carb spks, pr inf por,no fluor.

3014

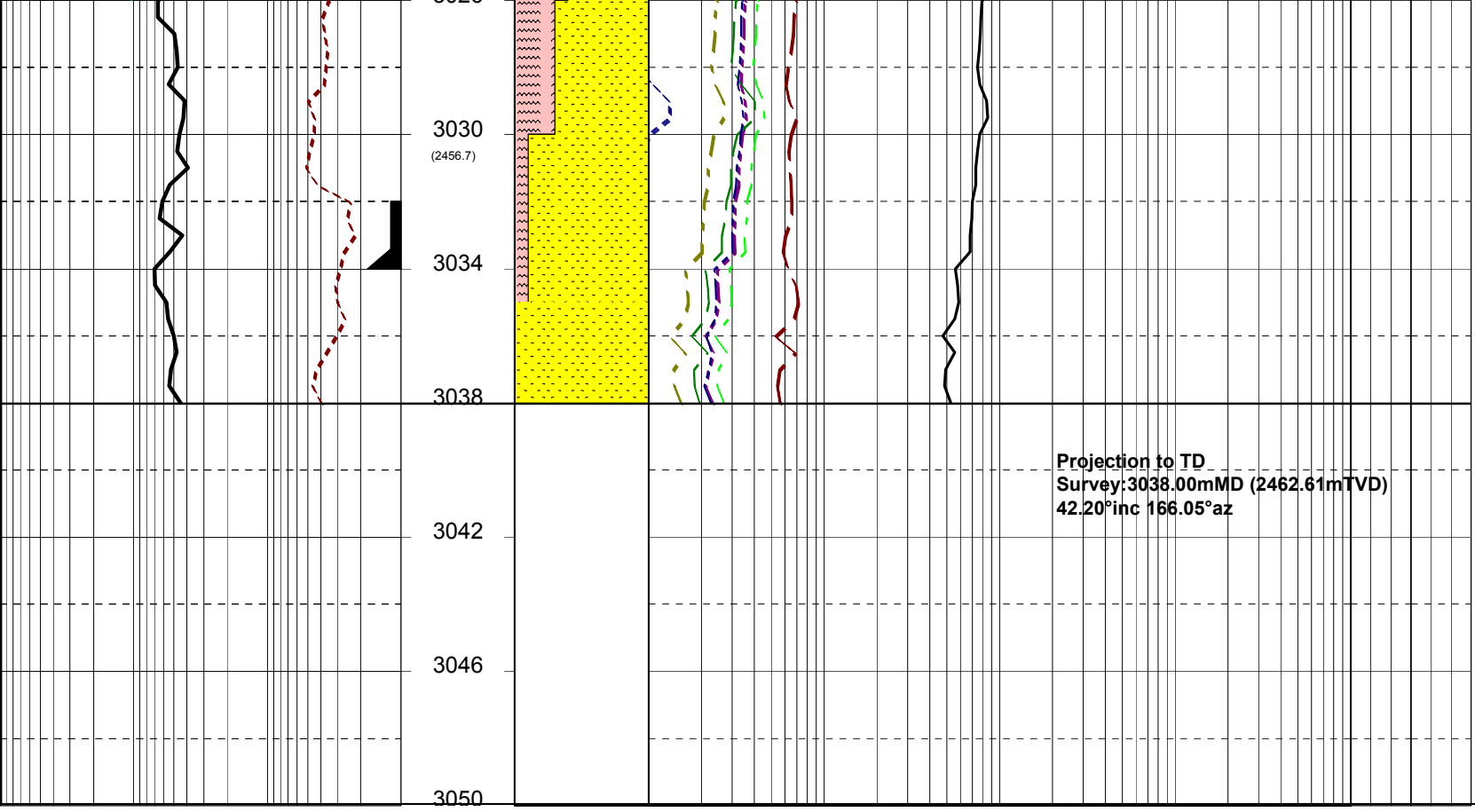
Survey:3013.60mMD(2444.5mTVD)
42.16°inc 166.05°az

3018

3022

SILTSTONE:lt-med gy,lt yelsh bn, com micmic,mnr carb spk,sft, sbblky.

3026


3030
(2456.7)
3034
3038
3042
3046
3050
Projection to TD
Survey:3038.00mMD (2462.61mTVD)
42.20°inc 166.05°az
SANDSTONE:clr-trnsl,pl bn gy,f-med agg,crs-v crs,mod pr srt,sa-sr, sbsph,abdt pl gy/bn arg mtx,tr lith,lse,pr-fr inf por,no fluor.
7" Production Casing Shoe set at 3034.0 mMDRT
HLA-A7A reached Total Depth of 3038.0mMDRT 2462.62mTVDRT (-2433.21mTVDSS) at 15:45 hours on 29-05-2007