BAKER HUGHES
INTEQ

Company : Petro Tech Pty. Ltd
Well : Hazelwood-1
Interval : 466.00 - 2249.00 meters
Created : 27/Mar/2007 3:21:45 AM

FORMATION EVALUATION LOG

RATE OF PENETRATION	INTERPRETED LITHOLOGY	MD meters 1:500	LITHOLOGY	CORE	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH	REMARKS

RATE OF PENETRATION

ROP (0-50m/hr)
50 45 40 35 30 25 20 15 10 5

Backup ROP (50-200m/hr)
200 185 170 155 140 125 110 95 80 65

WOB (klb)
5 10 15 20 25 30 35 40 45 50

TORQUE AVG
5 10 15 20 25 30 35 40 45 50

TOTAL GAS

TOTAL GAS
10 20 30 40 50
unit

CHROMATOGRAPH

	Methane ppm	
1		10000
1	Ethane ppm	10000
1	Propane ppm	10000
1	iso-Butane ppm	10000
1	n-Butane ppm	10000
1	iso-Pentane ppm	10000
	n-Pentane ppm	
	10 100 1000 10000	

REMARKS

Sandstone:lt brn gry,vf-grit, dom v c ang-sbang, mod srtd, v wk silca cmt, tr-com med-dk brn argill mtx, clr-opaq qtz gr, tr blk coal det, tr c mica flks, uncons,v gd infer por,

no oil fluor

Sandstone: ltbrn gy, vf-vc, dom c,ang-sbang, mod srtd, v wk sil cmt, tr-com med-dk brn argill mtx, clr-opaq qtz gr, tr or rd liths,com blk coal det, tr c mic flks,rr pyr,uncons,

v gd infer por, no oil fluor.

Sandstone:lt brn gy, vf-c, dom f-med, ang-sbang, mod srtd, v wk sil cmt, tr-com med-dk brn argill mtx, clr-opaq qtz gr, tr or rd liths,com blk coal det, tr c mic flks, rr pyr, unco

v gd infer por,no oil fluor.

Claystone: (weathered volcanics), off wh-org brn-brn,mottled txt, com vf-vc yel rd stained ang qtz grs, sft-mod hd, v disp, non fiss.

Claystone: (weathered volcanics), off wh-brick rd,mottled txt, tr vf-vc yel rd stained ang qtz grs, sft-mod hd, v disp, non fiss.

Claystone: (partially weathered volcanics), off wh-brick rd,mottled txt, cryptoxln-microxln,tr vf-vc yel rd stained ang qtz grs, sft-hd,non fiss.
Claystone:(lightly metamorphosed), med gy-med grn gy,microxln txt i/p,sli slty,tr blk carb flecks,tr micmic,hd,sbfiss.
Sandstone:lt grn gy, vf,

Drilling parameters (left margin annotations):

25/03/07

WOB: 8-11 klbs
RPM: 84-160
GPM: 526-563
PP: 637-717psi

WOB: 11-27 klbs
RPM: 90-100
GPM: 581-616
PP: 670-700psi

26/03/07

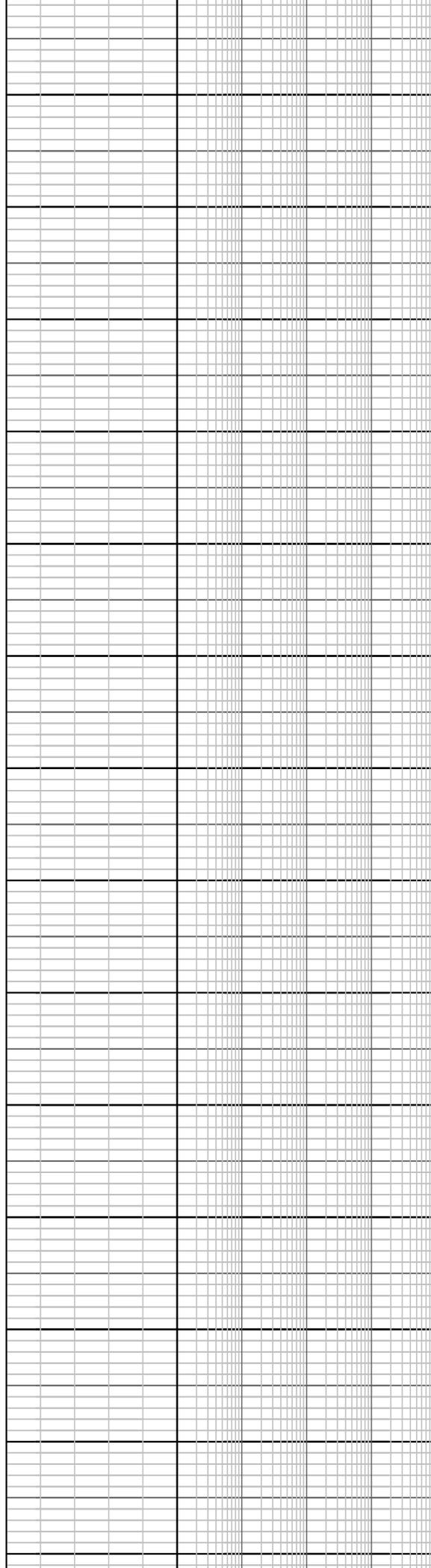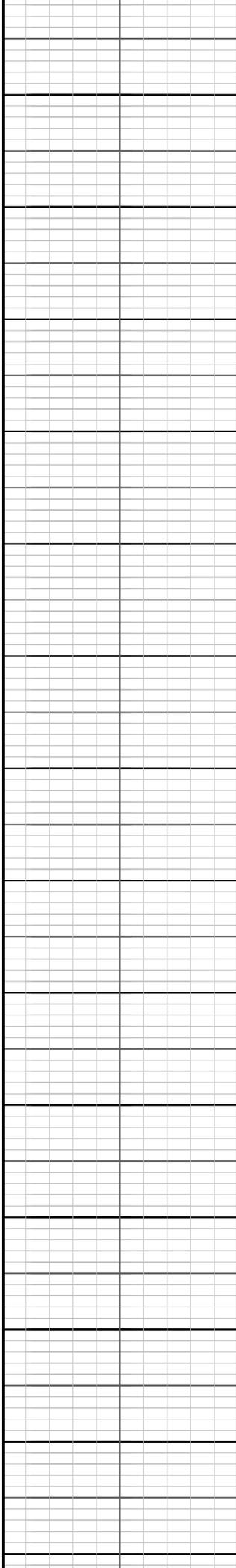**MD depth markers:** 470, 480, 490, 500, 510, 520, 530, 540, 550, 560

sbang-sbrnd,mod srtd, mod sil cmt
abdt wh argill mtx, abdt off wh altd
felds grs, com grn gy & tr rd liths,tr f
blk carb det,hd, no vis por,no oil fluor.

Drilled 16" hole to 556m. POOH to run
casing

570

580

590

600

610

620

630

640

650

660

670

680

690

700

710
720
730
740
750
760
770
780
790
800
810
820
830
840

850

860

870

880

890

900

910

920

930

940

950

960

970

980

990
1000
1010
1020
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1080
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1100
1110

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1500
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1520
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1590

1600

1610

1620

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1670

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2060
2070
2080
2090

2100

2110

2120

2130

2140

2150

2160

2170

2180

2190

2200

2210

2220

2230

2240

FORMATION EVALUATION LOG

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WOB (klb)

5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50

TORQUE AVG

5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50

INTERPRETED LITHOLOGY

MD meters 1:500

LITHOLOGY

CORE

OIL SHOWS

TOTAL GAS

TOTAL GAS

10| 20| 30| 40| 50
unit

CHROMATOGRAPH

1 Methane ppm 10000

1 Ethane ppm 10000

1 Propane ppm 10000

1 iso-Butane ppm 10000

1 n-Butane ppm 10000

1 iso-Pentane ppm 10000

n-Pentane ppm

10 | 100 | 1000 | 10000

REMARKS