

**CONFIDENTIAL**

Date:	06 September 2001	Last Casing:	9 5/8" @ 2101 mMDRT
Report Number:	10	FIT:	2.2 sg
Report Period:	00:00-24:00 Hours	Mud Weight:	1.17 sg
Depth @ 24:00 Hours:	2258.5 mMDRT	ECD	1.21 sg
Depth (mTVDR)	2258.4 mTVDR	Mud Type:	KCl-PHPA-glycol
Lag Depth:	2258.5 mMDRT	Mud Chlorides:	50000 mg/l
Last Depth:	2200 mMDRT	Est. Pore Press:	1.03 sg
Progress:	58.5 m	Last Survey Depth:	2082.91 m
Water Depth:	101.2 m LAT	Deviation:	Inc: 1.02°, Az: 4.82°
RT-Sea Level:	25 m	Bit Diameter:	8 1/2"

OPERATIONS SUMMARY

24 HOUR SUMMARY: *Completed cutting core 1 to 2203.5 mMDRT. Circulated hole until ditch gas values dropped to a background of 0.2%. Pulled out of hole and recovered core 1 (2150 – 2203.5 mMDRT cut 53.5 m, Recovered 49.87m -93%). Made up 54m coring assembly and ran in hole to cut core 2. Cut 55 m of core from 2203.5 to 2258.5 mMDRT (extra 1 m taken up by telescopic core catcher and by actual total inner barrel length of 55.2 m). Circulated hole until ditch gas values dropped to 0.2%. commenced pulling out of hole.*

NEXT 24 HOURS: *.Pull out of hole, recover core 2, pick up 63m core barrel, run in hole, cut and recover core 3.*

CURRENT OPERATION @ 06:00 Hrs 07/09/2001: *Running in hole to cut core 3.*

GEOLOGICAL SUMMARY

LITHOLOGY:

INTERVAL: 2200 - 2232 m

ROP range: 7 - 60

Av ROP: 20

SANDSTONE with trace SILTSTONE.

SANDSTONE (100%): colourless, very light grey, clear to translucent, predominantly loose rare friable aggregates, very fine to fine grained quartz, subangular, moderate sphericity, well sorted, trace calcareous / dolomitic cement, minor very light grey argillaceous matrix, trace partially altered feldspars, trace carbonaceous detritus trace glauconite, trace red brown lithics, trace dark grey siltstone? lithics, trace mica, 15% inferred porosity, no fluorescence.

SILTSTONE (trace): dark grey, soft to firm, subblocky, common dark grey argillaceous material, rare very fine quartz grains, trace glauconite, trace micro mica, trace carbonaceous detritus, trace disseminated pyrite.

INTERVAL: 2232 - 2237m

ROP range: 4.8 - 14

Av ROP: 8

SILTSTONE interbedded with **SANDSTONE.**

SILTSTONE (80%): as above.

SANDSTONE (20%): as above.



INTERVAL: 2237 - 2242m

ROP range: 11 - 60

Av ROP: 25

SANDSTONE (100%): colourless, very light grey, clear to translucent, predominantly loose rare friable aggregates, very fine to fine rare medium and trace coarse grained quartz, subangular, moderate sphericity, moderately sorted, trace siliceous cement, minor very light grey argillaceous matrix, trace partially altered feldspars, trace carbonaceous detritus trace glauconite, trace red brown lithics, trace dark grey siltstone? Lithics, 15% inferred porosity, no fluorescence.

INTERVAL: 2242 - 2247m

ROP range: 4 - 8

Av ROP: 6

SILTSTONE interbedded with minor **SANDSTONE**.

SILTSTONE (70%): as above.

SANDSTONE (30%): as above.

INTERVAL: 2247 – 2258.5m

ROP range: 4 - 8

Av ROP: 6

SANDSTONE interbedded with minor **SILTSTONE**.

SANDSTONE (80%): as above, trace moderately hard aggregates with trace pyritic cement.

SILTSTONE (20%): as above.

**GAS SUMMARY:****Background Gas**

INTERVAL(mMDRT)	Total GAS (%)	CO ₂ (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	NC4 (%)	C5 (%)
2200 – 2228	0.3 – 6.8	0.009 – 0.02	0.2 – 6.2	0.07 – 0.18	0.007 – 0.06	0 – 0.006	0 – 0.005	Nil
2228 – 2237	0.1 – 0.5	0.014 – 0.02	0.07 – 0.3	0.009 – 0.014	0.004 – 0.006	Nil	Nil	Nil
2237 – 2258.5	0.17 – 5.3	0.015 – 0.03	0.12 – 5.3	0.005 – 0.03	0.005 – 0.029	Nil	Nil	Nil

Trip Gas

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
2203.5	0.31 / 0.24	0.465	0.16	0.007			

Connection Gas

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
Nil							

Peaks

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
2208	6.8	5.9	0.16	0.05	0.004	0.004	Nil
2220	5.7	5.0	0.14	0.04	0.003	0.003	Nil
2242	4.7	4.4	0.09	0.03	0.003	0.003	Nil
2255	5.5	5.3	0.11	0.03	nil	0.003	Nil

HYDROCARBON FLUORESCENCE:

Nil

FORMATION PRESSURE ESTIMATION:

Pore pressure normal, no gas cut mud, no cavings.

SAMPLE QUALITY:

Poor – all descriptions from ditch cuttings generated by coring.

MUDLOGGING EQUIPMENT/PERSONNEL:**REMARKS:****WELLSITE GEOLOGISTS**

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