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<b>Date:</b>	05 September 2001	<b>Last Casing:</b>	9 5/8" @ 2101 mMDRT
<b>Report Number:</b>	9	<b>LOT:</b>	FIT 2.2 sg
<b>Report Period:</b>	00:00-24:00 Hours	<b>Mud Weight:</b>	1.16 sg
<b>Depth @ 24:00 Hours:</b>	2200 mMDRT	<b>ECD</b>	1.18 sg
<b>Depth (mTVDRT)</b>	2199.9 mTVDRT	<b>Mud Type:</b>	KCI-PHPA-glycol
<b>Lag Depth:</b>	2175 mMDRTN/A	<b>Mud Chlorides:</b>	55000 mg/l
<b>Last Depth:</b>	2112 mMDRT	<b>Est. Pore Press:</b>	1.03 sg
<b>Progress:</b>	88 m	<b>Last Survey Depth:</b>	2082.91 m
<b>Water Depth:</b>	101.2 m LAT	<b>Deviation:</b>	Inc: 1.02°, Az: 4.82°
<b>RT-Sea Level:</b>	25 m	<b>Bit Diameter:</b>	8 1/2"

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**OPERATIONS SUMMARY**

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**24 HOUR SUMMARY:** *Performed LOT, drilled 8 1/2" hole from 2112m to 2150m, circulated bottoms up, pulled out of hole, picked up 54m core barrel and corehead, ran in hole, commenced cutting core 1 from 2150m to 2200m.*

**NEXT 24 HOURS:** *Complete cutting core 1, pull out of hole, lay out core, proceed as per program.*

**CURRENT OPERATION @ 06:00 Hrs 06/09/2001:** *Pulling out of hole with corebarrel following completion of core run 1: 2150m – 2203.5m.*

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**GEOLOGICAL SUMMARY**

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**LITHOLOGY:**

**INTERVAL:** 2112 – 2122m

**ROP range:** 5 - 13

**Av ROP:** 9

SILTY CLAYSTONE GRADING TO ARGILLACEOUS SILTSTONE

**Silty Claystone (50%):** olive grey to dark olive grey, moderately hard, sub-blocky, minor mica silt, rare carbonaceous matter, rare pyrite, trace lithic fragments, trace glauconite, grades to Argillaceous Siltstone.

**Argillaceous Siltstone (50%):** increasing abundance with depth, olive grey, moderately hard to hard, sub-blocky, brittle, quartzose, rare silica cement, rare carbonaceous detritus, rare coarse mica, trace pyrite, trace glauconite, rarely grades to Siltstone.

**INTERVAL:** 2122 – 2137m

**ROP range:** 15 - 29

**Av ROP:** 22

ARGILLACEOUS SILTSTONE GRADING TO SILTSTONE

**Argillaceous Siltstone (30%):** olive grey, moderately hard to hard, sub-blocky, brittle, quartzose, rare silica cement, rare carbonaceous detritus, rare coarse mica, trace pyrite, trace glauconite, grades to Siltstone.

**Siltstone (70%):** grey to olive grey, moderately hard to hard, sub-blocky, brittle, abundant clay matrix, rare silica cement, rare carbonaceous material, rare coarse mica, trace pyrite, trace glauconite.

**INTERVAL:** 2137 - 2140m

**ROP range:** 19 - 25

**Av ROP:** 22

SILTSTONE

**Siltstone (100%):** similar to above, medium grey to grey, brownish grey, friable to moderately hard, sub-blocky, quartzose, rare silica cement, minor clay matrix, minor disseminated subangular to subrounded, slightly spherical, very fine grained quartz sand, rare carbonaceous material, trace pyrite, trace glauconite.

**CONFIDENTIAL****INTERVAL:** 2140 - 2146m**ROP range:** 20 - 40**Av ROP:** 31**SILTSTONE WITH MINOR SANDSTONE INTERBEDS**

**Sandstone (70%):** very light brownish grey to very light olive grey, predominantly loose, becoming more aggregated and friable with depth, very fine to coarse grained, predominantly medium grained, rarely coarse grained, subangular to minor subrounded, subspherical, poorly sorted to moderately sorted quartz, aggregates have trace silica cement, argillaceous matrix increasing from minor to common with depth, minor silt matrix, trace carbonaceous material, trace mica, trace glauconite. Rarely grades to Argillaceous Sandstone. Aggregates have 10 % visible intergranular porosity, loose grains 25% inferred porosity. No fluorescence.

**Siltstone (30%):** as above, medium grey to grey, brownish grey, friable to moderately hard, sub-blocky, quartzose, rare silica cement, minor clay matrix, minor disseminated subangular to subrounded, slightly spherical, very fine grained quartz sand, rare carbonaceous material, trace pyrite, trace glauconite.

**INTERVAL:** 2146 - 2150m**ROP range:** 59 - 73**Av ROP:** 67**SANDSTONE**

**Sandstone (100%):** similar to above, predominantly as friable aggregates, very fine to medium grained, predominantly fine to medium grained, minor calcite cement, 10% visible intergranular porosity. No fluorescence.

**CUTTING DESCRIPTIONS FROM CORED INTERVAL****Note:** very poor quality samples from cored section - severe "pasting" of sample.**INTERVAL:** 2150 - 2174m**ROP range:** 4 - 30**Av ROP:** 10

**Claystone (90-95%):** light to medium grey, soft, sticky to dispersive, common siliceous silt, trace silty to very fine carbonaceous detritus, trace disseminated pyrite, trace glauconite.

**Sandstone (5-10%):** colourless, clear to translucent, loose, predominantly very fine common fine rare medium grained quartz, subangular to subrounded, slightly spherical, moderately sorted, 10% inferred porosity. No fluorescence.

**INTERVAL:** 2174 - 2200m**ROP range:** 6 - 79**Av ROP:** 22

**Claystone (50-70%):** similar to above, light to medium grey, soft, dispersive to sticky, common to abundant silt, rare carbonaceous matter, trace 1% pyrite, grades to Silty Claystone..

**Sandstone (30-50%):** similar to above, colourless, very light grey, loose to friable, very fine to medium grained, predominantly very fine to fine grained, subangular to subrounded, slightly spherical quartz, rare calcite cement, common to abundant clay matrix, minor silt matrix, trace carbonaceous matter, trace pyrite, trace lithic fragments, trace feldspar, 5% visible intergranular porosity, grades to Argillaceous Sandstone. No fluorescence.

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

INTERVAL(mMDRT)	Total GAS (%)	CO <sub>2</sub> (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	NC4 (%)	C5 (%)
2112 - 2122	0.02 - 0.03	0.004 - 0.018	0.01 - 0.02	nil	nil	nil	Nil	Nil
2122 - 2137	0.04 - 0.05	0.009 - 0.02	0.02 - 0.04	0.0 - 0.005	nil	nil	Nil	nil
2137 - 2140	0.05 - 0.30	0.013 - 0.02	0.03 - 0.05	0.003 - 0.006	nil	nil	Nil	nil
2140 - 2146	0.5 - 4.4	0.009 - 0.02	0.30 - 3.79	0.01 - 0.11	0.003-0.034	0-0.003	0-0.003	nil
2146 - 2150	0.8 - 0.47	0.007	0.09 - 2.83	0.01 - 0.08	0.003-0.026	0-0.003	0 0.002	nil
2150 - 2176	0.02 - 0.11	0.011 - 0.023	0.02 - 0.08	0 - 0.007	nil	nil	Nil	nil
2176 - 2200	0.23 - 3.37	0.009 - 0.030	0.11 - 3.02	0.01 - 0.09	0.001-0.024	0-0.002	0-.002	Nil

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<i>Trip Gas</i>							
DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
Nil							

<i>Connection Gas</i>							
DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
Nil							

<i>Peaks</i>							
DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
2143	4.4	3.8	0.11	0.034	0.003	0.003	Nil
2148	3.5	2.8	0.08	0.03	0.003	0.003	Nil
2189	3.4	3.0	0.09	0.02	0.002	0.002	Nil

**HYDROCARBON FLUORESCENCE:**

Nil

**FORMATION PRESSURE ESTIMATION:**

Pore pressure normal, no gas cut mud, no cavings

**SAMPLE QUALITY:**

Adequate when drilling, very poor when coring.

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

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