

**CONFIDENTIAL**

<b>Date:</b>	04 October 2001	<b>Last Casing:</b>	13 3/8" @ 558 mMDRT
<b>Report Number:</b>	4	<b>FIT:</b>	2.01 sg @ 558 mMDRT
<b>Report Period:</b>	00:00-24:00 Hours	<b>Mud Weight:</b>	1.28 sg
<b>Depth @ 24:00 Hours:</b>	1790 mMDRT	<b>ECD</b>	1.29 sg
<b>Depth (mTVDRT)</b>	1789.8 mTVDRT	<b>Mud Type:</b>	KCl – PHPA – Glycol
<b>Lag Depth:</b>	1790	<b>Mud Chlorides:</b>	45000 mg/l
<b>Last Depth:</b>	1670 mMDRT	<b>Est. Pore Press:</b>	Normal
<b>Progress:</b>	120 m	<b>Last Survey Depth:</b>	1762.43 mMDRT
<b>Water Depth:</b>	82.0 m LAT	<b>Deviation:</b>	1.84° @ 357.96° azimuth
<b>RT-Sea Level:</b>	25 m	<b>Bit Diameter:</b>	12 ¼"

**OPERATIONS SUMMARY**

**24 HOUR SUMMARY:** Drilled 12 ¼" section from 1670 to 1774 mMDRT. Circulated out drilling break. Drilled 12 ¼" section to 1790 mMDRT. Circulated hole clean, pumped high viscosity sweep and weighted up mud to 1.28 sg. Pulled out of hole to 1415 mMDRT, backreamed from 1415 to 932 mMDRT and pulled out to 13 3/8" casing shoe (no drag). Pumped 50 bbls caustic pill around BHA. Serviced top drive. Worked pipe and boosted riser. Ran in hole to 1700 mMDRT

**NEXT 24 HOURS:** Wash and ream 1700 mMDRT to section TD at 1790 mMDRT. Circulate hole clean and condition hole/mud. Pull out of hole and run 9 5/8" casing as per program.

**CURRENT OPERATION @ 06:00 Hrs 05/10/2001:** Pulling out of hole at 760 mMDRT.

**GEOLOGICAL SUMMARY****LITHOLOGY:**

**INTERVAL:** 1670 - 1790

**ROP range:** 7 –59

**Av ROP:** 22

**SILTY CLAYSTONE (100%):** dark yellow brown to dark brown grey, soft to firm, sticky to dispersive, abundant quartz silt, trace very fine grained quartz, subangular, to subrounded, trace carbonaceous detritus, trace micro mica, trace nodular and disseminated pyrite, trace glauconite becoming more common towards base, trace siderite, trace light to dark brown lithic fragments.

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

INTERVAL(mMDRT)	Total GAS (%)	CO <sub>2</sub> (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	NC4 (%)	C5 (%)
1670 – 1790	0.04-0.08	.009-.025	0.018-0.04	nil	nil	nil	nil	nil

**Trip Gas**

DEPTH (mMDRT)	Total GAS (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)
1790	0.16	0.126	0.008	0.005			

**Connection Gas**

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

**Peaks**

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



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**HYDROCARBON FLUORESCENCE:**

Nil

**FORMATION PRESSURE ESTIMATION:**

Normal.

**SAMPLE QUALITY:**

Adequate.

**LWD**

Sensor	Meters behind drill bit
Resistivity	15.17
GR	18.53
Direction / Inclination	25.81

**MUDLOGGING EQUIPMENT/PERSONNEL:**

All operational.

**WELLSITE GEOLOGISTS**

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