



BRIDGE OIL LIMITED

DRILLING REPORT SUMMARY

AND MUD RECORD

WELL : SEAL NO. 1

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Date	Depth 2400	Mud			Operations Summary
		Wt	Vis	WL	
1986 11-2	261				<p>Seal No. 1 was spudded at 00:00hrs 11-2-86. Drilled 26" hole to 261m spotting 30bbbls of high viscosity mud every 3 joints to keep hole clean. POOH to 105m, RIH, bridges at 129m and 226m, ream from 226m to 261m.</p> <p>Rigged up and ran 20" pile joint and casing. Hit bridge at 105m, worked casing through. 20" casing running tool leaking. Land casing on HWDP at 231m.</p>
12-2	261				<p>POOH with wear bushing, RIH with 20" running tool, screwed into wellhead and broke circulation with Halliburton unit and cemented casing with 850 sx of class "G" cement with 10% CaCl. followed by 300sx class "G" neat and displaced with 145 bbls of seawater. Nippled up the B.O.P. and ran it on the riser testing the choke and kill lines every second joint. Leaked on first connection so retrieved B.O.P. changed packing in choke and kill lines and reran B.O.P. Landed B.O.P. and tested with 50,000lbs overpull.</p> <p>Tested 20" casing to 500 psi against shear rams. Ran wear bushing.</p>
13-2	656	8.8	40	n.c.	<p>Made up and ran 17.1/2" BHA, tagged cement at 224m and broke circulation. Tested casing to 500psi with the rig pumps against the Hydril. Drilled cement and shoe to 232m. Washed and reamed to 261m and drilled 17.1/2" hole to 275m.</p> <p>Performed leak off test with Halliburton unit tested to 140psi which is equivalent to 12.5ppg.</p> <p>Drilled to 656m. Deviation surveys at 456m (1/2deg) and 656m (1/4deg). Circulated and conditioned mud. Pulled a wiper trip to the HWDP.</p> <p>RIH, no fill, POOH for Schlumberger.</p> <p>Schlumberger ran DIL-LSS-GR-SP-Cal. from 232m to 656m.</p>
14-2	656	9.3	46	24.2	<p>Rigged down Schlumberger. Rigged to run and ran 13.3/8" casing. Broke circulation with rig pump and circulated casing. Tested cement line leaking valve replaced.</p> <p>Cemented 13.3/8" casing with 225sks class "G" cement with 10% gel followed by 700sks of class "G" cement neat. Displaced using rig pumps, bumped plug with 2000psi and held for 5 minutes. Wash out wellhead and B.O.P. Set seal assembly and tested it and the B.O.P. to 5000 psi. Tested the Hydril to 3500psi.</p>
15-2	1142	9.3	40	7.7	<p>Tagged cement at 618m broke circulation and drilled plugs, float and cement to 623.5m. Tested 13.3/8" casing to 1500 psi with rig pumps. Drilled cement and shoe to 642m.</p> <p>Washed and reamed to 656m. Drilled 12.1/4" hole to 666m. Perform leak off test with Halliburton pump. Tested to 700psi with 9.5ppg mud (equivalent to 15.9ppg).</p> <p>Drilled 12.1/4" hole to 1142m. Deviation surveys at 859m (1/2deg) and 1067m (3/4deg). While drilling the pump pressure dropped by 200psi. Check pumps. PooH wet for washout.</p>
16-2	1481	9.4	40	5.4	<p>Crack in crossover to HWDP. Changed cross over and continued out of the hole to change the bit. Made up and RIH with bit no. 4 to 1122m.</p> <p>Broke circulation and washed and reamed down to 1142m.</p> <p>Drilled 12.1/4" hole to 1481m. Deviation surveys at 1261m (1deg) and 1481m (1/2deg). POOH to change bit. Intermittent tight hole to 1237m with 125,000 lbs overpull and hole swabbing. Circulated 10mins. RIH to 1467m and circulated bottoms up. Pumped a slug and POOH with minor drag to 1253m.</p>
17-2	1537	9.3	40	5.4	<p>POOH and changed bit. RIH with bit no. 5 to 1460. Broke circulation and washed and reamed to 1481.</p> <p>Drilled 12.1/4" hole to 1537m. POOH to change bit. Tight hole at 1471m to 1237m, worked pipe through. RIH with 12.1/4" bit to shoe and circulate while cutting and slipping the drill line.</p>