

APPENDIX 2

DRILLING SUMMARY

LAWRENCE-1

<u>DATE</u>	<u>HOUR</u>	<u>DETAILS OF OPERATIONS IN SEQUENCE</u>
Sept. 22	0700	Set up drilling rig.
	1515	Drill 7 7/8 inch hole
	1915	Run casing and cement
Sept. 23	0600	Rig up to core
	0815	Drill (Drill out 6m cement)
	1000	Trip out. Change to new bit, slow drilling in claystone.
	1030	Drill ahead, slow drilling in claystone.
Sept. 24	1600	Repair feed ram seals on rig head
	1745	Drill Ahead
	0400	POOH, RIH with Collars
	0500	Reaming out hole to 5 5/8 inch
Sept. 25	0945	Circulate and condition hole
	1015	POOH
	1130	Run 5" casing and cement
	1300	Wait on cement
	1700	Nipple up B.O.P.
	2100	Test B.O.P.
	2200	RIH, drill cement float collar and formation 57.5 to 60.8.
	0230	POOH, RIH with Diamond assembly.
	0300	Drill Ahead
	0400	Eastman camera survey
	0430	Drill Ahead
Sept. 26	0600	Mud work, circulate and condition mud.
	0700	Drill Ahead
	1745	Service Rig
	1800	Drill Ahead

<u>DATE</u>	<u>HOUR</u>	
Sept. 27	1130	Repair lubrication pump - rig rotation head.
	1315	Drill Ahead
Sept. 28	1100	Trip for bit change
	1245	Drill Ahead
	1515	Ream down over dropped core 3m.
	1615	Drill Ahead
	2000	Change ram seal
	2100	Drill Ahead
	2330	POOH, Change bit, RIH
	2430	Drill Ahead
Sept. 29	0600	Drill Ahead
	1200	Survey
	1230	Drill Ahead
	2130	POOH, bit change, RIH
	2330	Drill Ahead
Sept. 30	1000	Repair fuel line - Perkins
	1030	Drill Ahead
	1400	Repair oil pump - Rig head
	1430	Drill Ahead
	1530	Lost circulation - mix and pump down high-seal to recover circulation.
	1800	Swab hole with tube to bring up sample salt water. Mix mud. Cart water.
Oct. 1	0600	Swab hole with inner tube.
	0800	Make up lost circulation brew and pump down hole to regain circulation.
	1000	Drill ahead - (little circulation)
	1115	POOH, - Bit change RIH
	1515	Drill Ahead
	1900	POOH, strap out, Change bit, RIH
	2100	Repair blown hyd. hose
	2130	Drill head blind
Oct. 2	0600	Drill Ahead. No returns
	1800	Drill ahead, 10% returns
	0500	POOH.

<u>DATE</u>	<u>HOUR</u>	
Oct. 3	0600	Stand by - logging
	2230	RIH 300m for cement job.
	2400	Mix and pump cement.
	0200	Pull back to 220m and circulate.
	0300	Wait on cement
Oct. 4	0930	Tag cement - Circulate.
	1030	Mix and pump cement into cavity.
	1130	Wait on cement
	1600	Tag cement - circulate.
	1630	Pump lost circulation material into hole to recover circulation.
	2200	POOH
	2330	RIH with Core Barrel
	0100	Wash to bottom 286m, Drill to 287m, Lost circulation.
	0200	Treat lost circulation
	0330	POOH, R.I.H. with Open pipe.
	0530	Mix cement
Oct. 5	0600	Mix and pump cement plug
	0630	Wait on cement
	1045	Tag cement - POOH. Run in core barrel.
	1300	Drill out cement plugs at lost circulation zone, 244m - 298m.
	2330	Wash to bottom, Circulate mud.
	0100	Drill to 364.8m.
Oct. 6	0600	Drill ahead - rod rattle in hole. Drill slow while building up mud.
Oct. 7	0600	Drill Ahead
	0730	Pump down lost circulation material
	0830	Drill Ahead
	1100	Pump down lost circulation material
	1200	Drill Ahead
	1500	Pump down lost circulation material
	1600	Drill Ahead
	2000	Pump down lost circulation material
	2030	Drill Ahead
	2200	Pump down lost circulation material
	2230	Drill Ahead

<u>DATE</u>	<u>HOUR</u>	
Oct. 8	0900	Mud work - clean mud tanks
	0930	Drill Ahead
	1245	Survey
	1315	Pump down Lost circulation material
	1345	Drill Ahead
	1700	Pump down Lost circulation material
	1730	Drill Ahead
	2000	Pump down Lost circulation material
	2100	Drill Ahead
	0200	Pump down Lost circulation material
	0230	Drill Ahead
Oct. 9	0600	Drill Ahead
	0700	Rod trip - change bit
	1030	Drill Ahead
	1130	Pump down Lost circulation material
	1200	Drill Ahead
	1230	Repair - generator
	1300	Drill Ahead
Oct. 10	0600	Drill Ahead
	1200	Condition and circulate hole.
	1230	POOH - lay down heavy weight pipe.
	1500	Logging.
	0200	RIH with open pipe - 314m-254m.
	0330	Mix and pump cement bottom plug.
	0430	POOH
	0500	Mix and pump cement 90m - 30m.
	0530	POOH
Oct. 11		
	0600	Plug back hole. Nipple down B.O.P. Put in surface plug, 30m.
	0800	Rig released.

N.B. POOH = Pull out of hole
 RIH = Run in hole