

**ESSENTIAL PETROLEUM RESOURCES LTD**

**DAILY DRILLING REPORT**

WELL: Pritchard-1  
 PERMIT: PEP 151  
 RIG: Hunt Rig 2

DATE: 8/4/06  
 REPORT No. 13  
 D.F.S. 13

DEPTH 2400 Hrs: 2098 STATUS at 2400 Hrs: Tripping out to reduce the BHA weight  
 TVD: 2098 FORMATION: Lower Sherbook group  
 24 HR PROG.: 226 LAST CASING: 31/03/2006 at 831.60m SHOE F.I.T.:   
 HOLE SIZE: 216mm ELEV: 42.3m RT - GL: 38m MAASP: 80psi

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			FORMATION DATA		
DENSITY(ppg)	9.70	Biocide G 1		Removal %	uf-ppg	hrs	DEPTH	
VISCOSITY(Secc)	40	Pac-R 5	DESILTER		13.4	19	TRIP GAS (%)	
pH	8.5	KCL 54	DESANDER		12.8	19	CONN. GAS (%)	
PV/YP	11 / 12	Sod Sulphite 2	CENTRIFUGE 1				B'GRD GAS (%)	
GELS lb/1000ftsq	1 / 8	Xanthan Gum 1					PORE PRESS (ppg)	
WL API (cc/30min)	7.0	Barite 15			1	2	ECD (ppg)	
WL HTHP(cc/30min)		Caustic 1	SHAKERS				9.88	
CAKE(1/32")	1	\$2,631	SCREENS	110/84/84			MAX GAS (%) 102	
SOLIDS %	8.5		<b>PUMPS</b>				<b>DRILLS / BOPS</b>	
SAND %	tr		TYPE	TSM 500	EMSCO 550		LAST BOP DRILL	
CHLORIDES(mg/l)	20,000		STROKE(in)	16	16		LAST FIRE DRILL	
KCL %	4		LINER(in)	5.5	5.5		LAST H2S DRILL	
MBT			SPM	35	35		LAST BOP TEST	
TEMP °F			GPM	186	186		BOP TEST DUE	
HOLE VOL(bbl)	449		AV-DP(m/min)		53		ACCIDENT FREE DAYS	
SURF VOL(bbl)	322		AV-DC(m/min)		92		589	
LOSSES(bbl/hr)	nil		SPP(psi)		1,350		<b>TIME ANALYSIS</b>	
MUD Co	RMN		SCR - spm	31-325psi	30-325psi			<b>HRS</b>
MUD TYPE	KCL/PHPA		SCR - spm	40-500psi	40-500psi			<b>CUM.</b>
<b>BIT DATA</b>			<b>BHA DETAILS</b>		BHA No.	3	1. MOVE RIG	
BIT No.	4 Re-Run		<b>TOOL</b>		OD (in)	Length (m)	2. RIG UP	
SIZE (in)	8.5		Bit: # 4 RR PDC		8.5	0.35	3. DRILLING	16.5
TYPE	PDC		Bit Sub float & totco ring			0.91	4. TRIP	5.0
IADC CODE	FS2565		1 x 6-1/2" Drill collar			9.15	5. WIPER TRIP	27.0
SERIAL No.	59962565		Stabilizer Transco T1633		8.5"	1.54	6. SURVEY	7.5
NOZZLES(32's)	5 x 12		12 x 6-1/2 " Drill collar			112.56	7. CIRC./COND	1.0
DEPTH IN (m)	1395		JAR DJO1O			9.56	8. HANDLE BHA	3.5
DEPTH OUT (m)	S-I-H		2 x 6-1/2" Drill Collar			18.28	9. CSG/CEMENT	17.0
DRILLED (m. cum)	703						10. WELLHEAD	8.0
HOURS (cum.)	55						11. BOPS/DIV	19.5
GRADE			HWDP x 4			36.58	12. LOT/FIT	1.0
AVGE ROP (m/hr)	12.8						13. CORING	
WOB (mt)	5						14. LOGGING	
RPM	100						15. REAM/WASH	2.5
JET VEL (m/sec)	65						16. FISH/STUCK	
HHP @ BIT	26						17. LOSS CIRC	
			<b>BHA LENGTH (m)</b>			188.93	18. KICK CONTROL	
			<b>BHA WEIGHT (Klbf)</b>		B/Jars (K)	37K	19. SIDETRACK	
			<b>STRING WEIGHT (Klbf)</b>			130,000	20. RIG REPAIR	
							21. WELL TEST	
<b>SURVEYS:</b>	<b>DEPTH</b>	<b>DEVIATION</b>	<b>AZIMUTH</b>	<b>TVD</b>	<b>COMMENTS</b>			
Wireline	1185 m	1.25deg						22. WO WEATHER
Wireline	1497m	1.50deg						23. WAIT - OTHER
Wireline	1768m	2.25deg						24. ABD./SUSP
								25. RIG SERVICE
								0.5
								26. SLIP/CUT LINE
								1.0
								27. OTHER
								1.0
								4.0
								28. HANDLE D.P.
<b>DRILLING TOOLS</b>	<b>SERIAL No.</b>	<b>HOURS</b>	<b>DRILLING DATA</b>			<b>TOTAL (HRS)</b>	24.0	277.5
			DRAG - UP (Klbf)		2			
String Stab x 1	Transco	119	DRAG - DOWN (Klbf)		2			
Jar		175.5	TORQUE-On Bottom (ft.lb)					
			TORQUE-Off Bottom (ft.lb)					

