

**ESSENTIAL PETROLEUM RESOURCES LTD**

**DAILY DRILLING REPORT**

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

DATE: 2/4/06  
 REPORT No. 7  
 D.F.S. 7

DEPTH 2400 Hrs: 1049m STATUS at 2400 Hrs: Drilling 8-1/2" hole at 1043m  
 TVD: 1049m FORMATION: Pember Mud stone  
 24 HR PROG.: 213m LAST CASING: 31/03/2006 at 831.60m SHOE F.I.T.:  
 HOLE SIZE: 216mm ELEV: 42.3m RT - GL: 38m MAASP: 170psi

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL				FORMATION DATA		
DENSITY(ppg)	9.0	AMC Pac R 20		Removal %	uf-ppg	hrs	DEPTH		
VISCOSITY(Seccs)	43	PHPA 3	DESILTER		13	14	TRIP GAS (%)		
pH	9.0	Pot Chl 120	DESANDER		12.8	14	CONN. GAS (%)		
PV/YP	14 / 13		CENTRIFUGE 1				B'GRD GAS (%)		
GELS lb/1000ftsq	1 / 1						PORE PRESS (ppg)		
WL API (cc/30min)	6.0			1	2		ECD (ppg)		
WL HTHP(cc/30min)			SHAKERS				MAX GAS (%) 102		
CAKE(1/32")	1		SCREENS	84/84/84			DRILLS / BOPS		
SOLIDS %	0.5		PUMPS	1	2		LAST BOP DRILL		
SAND %	0.50		TYPE	TSM 500	EMSCO 550		LAST FIRE DRILL		
CHLORIDES(mg/l)	20,000		STROKE(in)	16	16		LAST H2S DRILL		
KCL %			LINER(in)	5.5	5.5		LAST BOP TEST		
MBT			SPM	35	35		BOP TEST DUE		
TEMP °F			GPM	186	186		ACCIDENT FREE DAYS		
HOLE VOL(bbl)	222		AV-DP(m/min)		53		TIME ANALYSIS		
SURF VOL(bbl)	376		AV-DC(m/min)		92			HRS	CUM.
LOSSES(bbl/hr)	nil		SPP(psi)		1,400		1. MOVE RIG		
MUD Co	RMN		SCR - spm				2. RIG UP		
MUD TYPE	KCL/PHPA		SCR - spm				3. DRILLING		
BIT DATA			BHA DETAILS			BHA No.	2	4. TRIP	
BIT No.	2		TOOL			OD (in)	Length (m)	5. WIPER TRIP	
SIZE (in)	8.5		Bit:		8.5	0.4	6. SURVEY		
TYPE	CH1GMS		N.B.S Schlumberger		8.5"	1.76	7. CIRC./COND		
IADC CODE	1/01/2007		1 x 6-1/2" Drill collar			9.15	8. HANDLE BHA		
SERIAL No.	218994		Stabilizer Transco T1633		8.5"	1.54	9. CSG/CEMENT		
NOZZLES(32's)	12/12/2012		2 x 6-1/2 " Drill collar			18.76	10. WELLHEAD		
DEPTH IN (m)	836		Stabilizer Spiral Lakes Oil		8.5"	1.14	11. BOPS/DIV		
DEPTH OUT (m)			10 x 6-1/2" Drill Collar			93.8	12. LOT/FIT		
DRILLED (m. cum)	213		JAR DJO1O Transco		6.5"	9.56	13. CORING		
HOURS (cum.)	19		2 x 6-1/2 " Drill collar			18.28	14. LOGGING		
GRADE			HWDP x 4			36.58	15. REAM/WASH		
AVGE ROP (m/hr)	11.2						16. FISH/STUCK		
WOB (mt)	7						17. LOSS CIRC		
RPM	100						18. KICK CONTROL		
JET VEL (m/sec)	109		BHA LENGTH (m)			191.26	19. SIDETRACK		
HHP @ BIT	70		BHA WEIGHT (Klbf)		B/Jars (K)	K	20. RIG REPAIR		
			STRING WEIGHT (Klbf)			74	21. WELL TEST		
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS				
Wireline					22. WO WEATHER				
					23. WAIT - OTHER				
					24. ABD./SUSP				
					25. RIG SERVICE				
					26. SLIP/CUT LINE				
					27. OTHER				
					28. HANDLE D.P.				
DRILLING TOOLS	SERIAL No.	HOURS	DRILLING DATA				TOTAL (HRS)	24.0	136.5
N.B.S			DRAG - UP (Klbf)			2			
String Stab			DRAG - DOWN (Klbf)			4			
Jar		57	TORQUE-On Bottom (ft.lb)						
			TORQUE-Off Bottom (ft.lb)						

