

ESSENTIAL PETROLEUM RESOURCES LTD

DAILY DRILLING REPORT

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

DATE: 1/4/06
 REPORT No. 6
 D.F.S. 6

DEPTH 2400 Hrs: 836.00m STATUS at 2400 Hrs: Trip in hole with 8-1/2" drilling assy
 TVD: 836.00m FORMATION: DILWYN
 24 HR PROG.: 0m LAST CASING: 31/03/2006 at 831.60m SHOE F.I.T.:
 HOLE SIZE: 216mm ELEV: 42.3m RT - GL: 38m MAASP:

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			FORMATION DATA		
DENSITY(ppg)	8.6	KCL/PHPA	Removal %	uf-ppg	hrs	DEPTH		
VISCOSITY(SeCS)	28	being mixed	DESILTER			TRIP GAS (%)		
pH			DESANDER			CONN. GAS (%)		
PV/YP			CENTRIFUGE 1			B'GRD GAS (%)		
GELS lb/1000ftsq				1	2	PORE PRESS (ppg)		
WL API (cc/30min)						ECD (ppg)		
WL HTHP(cc/30min)			SHAKERS			MAX GAS (%) 102		
CAKE(1/32")			SCREENS	84/84/84		DRILLS / BOPS		
SOLIDS %	0.5		PUMPS	1	2	LAST BOP DRILL		
SAND %			TYPE	TSM 500	EMSCO 550	LAST FIRE DRILL		
CHLORIDES(mg/l)	22,000		STROKE(in)	16	16	LAST H2S DRILL		
KCL %			LINER(in)	5.5	5.5	LAST BOP TEST	1.04.06	
MBT			SPM			BOP TEST DUE		
TEMP °F			GPM			ACCIDENT FREE DAYS	580	
HOLE VOL(bbl)			AV-DP(m/min)			TIME ANALYSIS		
SURF VOL(bbl)			AV-DC(m/min)				HRS CUM.	
LOSSES(bbl/hr)			SPP(psi)			1. MOVE RIG		
MUD Co	RMN		SCR - spm			2. RIG UP		
MUD TYPE	KCL/PHPA		SCR - spm			3. DRILLING	57.0	
BIT DATA		BHA DETAILS			BHA No.	2	4. TRIP	2.0
BIT No.	2	TOOL			OD (in)		5. WIPER TRIP	4.5
SIZE (in)	8.5	Bit:			8.5	0.4	6. SURVEY	1.5
TYPE	CH1GMS	N.B.S				1.76	7. CIRC./COND	1.5
IADC CODE	1/01/2007	1 x 6-1/2" Drill collar				9.15	8. HANDLE BHA	2.5 2.0
SERIAL No.	218994	Stabilizer Spiral				1.54	9. CSG/CEMENT	16.0
NOZZLES(32's)	12/12/2012	2 x 6-1/2 " Drill collar				18.76	10. WELLHEAD	8.0
DEPTH IN (m)	36	Stabilizer Spiral				1.14	11. BOPS/DIV	19.5 19.5
DEPTH OUT (m)		10 x 6-1/2" Drill Collar				93.8	12. LOT/FIT	
DRILLED (m. cum)		JAR				9.56	13. CORING	
HOURS (cum.)		2 x 6-1/2 " Drill collar				18.28	14. LOGGING	
GRADE 4-3 ER-		HWDP x 4				36.58	15. REAM/WASH	2.5
AVGE ROP (m/hr)							16. FISH/STUCK	
WOB (mt)							17. LOSS CIRC	
RPM							18. KICK CONTROL	
JET VEL (m/sec)		BHA LENGTH (m)				191.26	19. SIDETRACK	
HHP @ BIT		BHA WEIGHT (Klbf)		B/Jars (K)	K		20. RIG REPAIR	
		STRING WEIGHT (Klbf)			k		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	112.5
N.B.S			DRAG - UP (Klbf)					
String Stab			DRAG - DOWN (Klbf)					
Jar		57	TORQUE-On Bottom (ft.lb)					
			TORQUE-Off Bottom (ft.lb)					

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FROM	TO	HOURS	
00:00	15:00	15.0	Installed and made up all BOP equipment -changed rams to)
15:00			Tested BOP using Halliburton unit Blind rams-pipe rams-inner and out choke and kill- choke manifold
	19:30	4.5	valves to 2,000psi Annular to 1500psi
19:30	22:00	2.5	Made up the 8-1/2" BHA
22:00	24:00	2.0	Tripped in hole
			Consumable items picked up 8-1/2" Bit Varel 1-1-7 CHIGMS
			Rental equip picked up for 8-1/2 BHA
			NBS SCHLUMBE String Stab-Transco String stab -Lakes
			SCR @ m with ppg.
			#1:
			#2:
		24.0	

OPERATIONS TO 0600 HRS: Tripped in hole - Tagged cement at 804m-drilled out shoetrack and cleaned to bottom at 836m- displaced hole with new KCL mud-drilled 5m of new hole 836m to 841m-circ clean then performed F.I.T using Halliburton unit and 8.6ppg drilling mud 1.17sg integrity (9.8ppg) Drilling at 855 m@ 06:00 hrs

PROGRAMME NEXT 24 HRS: Drill 8-1/2" hole

WEATHER	WEATHER STATE	TEMP.(°C)	RAINFALL (mm)	VISIBILITY (km)	WIND SPEED(kt)		
	Fine						
BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	
						12,000	
PERSONNEL ON RIG		TRANSPORTATION			COSTS		AUD
OPERATOR	2	TRUCKS	LOAD	HOURS	DAILY WELL	\$ 36,995.000	
DRILLING CONT.	22		Sump Water		CUMULATIVE WELL	\$ 1,014,295.00	
SERVICE COMPS	3		Camp Septic				
HOWCO	1		9K, Camp Water				
TOTAL	28						
SUPERVISOR(S)	Lou De-Vattimo	ENGINEER	Jim Slater	RIG SUPT.			