

Origin Energy Petroleum Ltd / Essential Petroleum Resources Limited. Daily Drilling Report

WELL:	Port Fairy #1
PERMIT:	Vic P-152
RIG:	Mitchell Drilling Rig #50

DATE:	9.01.02
REPORT #	1
D.F.S.	0

DEPTH 2400 Hrs:		STATUS @ 06:00 Hrs:	Prepare to spud well	
TVD:		FORMATION:		
24 HR PROGRESS:		LAST CASING:	@	SHOE L.O.T.:
HOLE SIZE:		WD (LAT):	RT - GL / Air gap:	MAASP:
SURVEYS:				

MUD PROPERTIES			ADDITIVES	CONSUMABLES			FORMATION DATA		
Density (ppg)				Rig	Workboat	Workboat	Name		
Funnel viscosity.			Fuel				Lithology		
PH			Potable water				Top depth RT.		
PV/YP(cp/lb/100ft2)			Drill water				Trip gas %		
Gels 10secs / 10min			Barites				Connection Gas %		
WL API(cc/30min)			Cement				Background gas %		
WL HTHP(cc/30min)			Gel				ECD (ppg)		
Cake (1/16")			Base Oil				DRILLS / BOPS		
Solids %			PUMPS	1	2	3	LAST BOP DRILL		
Sand %			TYPE				LAST FIRE DRILL		
Chlorides (mg/l)			STROKE(in)				LAST MOB DRILL		
KCl %			LINER(in)				LAST ABN. RIG DRILL		
MBT(lb/bbl)			SPM				LAST BOP TEST		
Flowline Temp °C			LPM				BOP TEST DUE		
Hole volume bbls.			AV-DP(Ft/min)					HRS	CUM
Surface volume bbls.			AV-DC(Ft/min)				1. Rig up / down.	24	24
			SPP(kPa/psi)				2. Drilling.		
			SCR @ 40				3. Reaming.		
			SCR @ 50				4. Trip		
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.		
Bit Run			Wind Speed (kts)				6. Deviation survey		
Diameter			Direction				7. Run casing		
Type & manufacture			Temperature				8. Cementing		
IADC code			Barometric pressure millibar				9. Handle Preventors		
Serial number			Barometer rise / fall				10. Marine riser.		
Nozzles			Visibility(NM)				11. Logging.		
Depth In (m)			Sea state				12. Press. test BOP		
Depth Out			Swell / Period / Direction				13. Repair rig.		
Drilled (m cum/dly)			Waves / period / direction				14. Service rig.		
Hours (cum/dly)			Heave				15. Slip / cut drlg line		
Dull grade			Pitch				16. Drill stem test.		
Averade ROP (m/hr)			Roll				17. Fishing.		
WOB Klbs			Anchor tension				18. Well control.		
RPM			Anchor tension				19. Hang-off.		
Jet velocity			Riser tension				21. W.O.Weather		
HHP @ BIT			VARIABLE DECK LOAD (Kips)				22. Lost circ.		
BHA No.		BHA WEIGHT		STRING WT			23. Plug / Abandon.		
BHA Profile :							24. Mob / Demob		
							25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.		
			DRAG - UP (mt)				27. Guide base / ROV.		
			DRAG - DOWN (mt)						
			TORQUE-On Bottom (amps)						
			TORQUE-Off Bottom (amps)						
							TOTAL (HRS)	24	24

Origin Energy Petroleum Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL: Port Fairy #1

PERMIT: Vic P-152

RIG: Mitchell Drilling Rig #50

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[illegible]

OPERATIONS TO 0600 HRS:	
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PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION			COSTS		
OPERATOR			NAME	LOCATION	DAILY MUD		
DRILLING CONT.		WORKBOAT			CUMULATIVE MUD		
SERVICE COMPS		WORKBOAT			DAILY WELL		
OTHER		STANDBY BOAT			CUMULATIVE WELL		
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)			ENGINEER			OIM	

ORIGIN ENERGY PETROLEUM LTD Daily Drilling Report
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WELL:	Port Fairy #1	DATE:	10.01.02
PERMIT:	Vic P-152	REPORT #	2
RIG:	Mitchell Drilling Rig #150	D.F.S.	1

WELL:	Port Fairy #1	DATE:	10.01.02
PERMIT:	Vic P-152	REPORT #	2
RIG:	Mitchell Drilling Rig #150	D.F.S.	1

DEPTH 2400 Hrs:	31.5	STATUS @ 06:00 Hrs:	Wait on cement to set.		
TVD:	31.5	FORMATION:	Newer basalt		
24 HR PROGRESS:	31.5	LAST CASING:	NA	@	SHOE L.O.T.:
HOLE SIZE:	17½"	WD (LAT):		RT - GL / Air gap:	MAASP:
				4.65	

SURVEYS:	
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MUD PROPERTIES		ADDITIVES	CONSUMABLES				FORMATION DATA		
Density (ppg)				Rig	Workboat	Workboat	Name		
Funnel viscosity.			Fuel				Lithology		
PH			Potable water				Top depth RT.		
PV/YP(cp/lb/100ft2)			Drill water				Trip gas %		
Gels 10secs / 10min			Barites				Connection Gas %		
WL API(cc/30min)			Cement				Background gas %		
WL HTHP(cc/30min)			Gel				ECD (ppg)		
Cake (1/16")			Base Oil				DRILLS / BOPS		
Solids %			PUMPS	1	2	3	LAST BOP DRILL		
Sand %			TYPE				LAST FIRE DRILL		
Chlorides (mg/l)			STROKE(in)				LAST MOB DRILL		
KCl %			LINER(in)				LAST ABN. RIG DRILL		
MBT(lb/bbl)			SPM				LAST BOP TEST		
Flowline Temp °C			LPM				BOP TEST DUE		
Hole volume bbls.			AV-DP(Ft/min)					HRS	CUM
Surface volume bbls.			AV-DC(Ft/min)				1. Rig up / down.		
			SPP(kPa/psi)				2. Drilling.	3.00	
			SCR @ 40				3. Reaming.	3½	
			SCR @ 50				4. Trip	1.00	
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.	1.00	
Bit Run			Wind Speed (kts)				6. Deviation survey		
Diameter			Direction				7. Run casing	6.00	
Type & manufacture			Temperature				8. Cementing	2.00	
IADC code			Barometric pressure millibar				9. Handle Preventors		
Serial number			Barometer rise / fall				10. Marine riser.		
Nozzles			Visibility(NM)				11. Logging.		
Depth In (m)			Sea state				12. Press. test BOP		
Depth Out			Swell / Period / Direction				13. Repair rig.		
Drilled (m cum/dly)			Waves / period / direction				14. Service rig.		
Hours (cum/dly)			Heave				15. Slip / cut drlg line		
Dull grade			Pitch				16. Drill stem test.		
Average ROP (m/hr)			Roll				17. Fishing.		
WOB Klbs			Anchor tension				18. Well control.		
RPM			Anchor tension				19. Hang-off.		
Jet velocity			Riser tension				21. W.O.Weather		
HHP @ BIT			VARIABLE DECK LOAD (Kips)				22. Lost circ.		
BHA No.		BHA WEIGHT		STRING WT			23. Plug / Abandon.		
BHA Profile :							24. Mob / Demob		
							25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.		
			DRAG - UP (mt)				27. Guide base / ROV		
			DRAG - DOWN (mt)				28. Others	½	
			TORQUE-On Bottom (amps)						
			TORQUE-Off Bottom (amps)						
							TOTAL (HRS)	17.00	0

ORIGIN ENERGY PETROLEUM LTD DAILY DRILLING REPORT
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WELL:	Port Fairy #1	DATE:	10th January 2002
PERMIT:	Vic P-152	REPORT #	2
RIG:	Mitchell Drilling Rig #150	D.F.S.	1

WELL:	Port Fairy #1	DATE:	10th January 2002
PERMIT:	Vic P-152	REPORT #	2
RIG:	Mitchell Drilling Rig #150	D.F.S.	1

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OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION			COSTS		
OPERATOR	OCA		NAME	LOCATION	DAILY MUD		
DRILLING CONT.	MDC	WORKBOAT			CUMULATIVE MUD		
SERVICE COMPS		WORKBOAT			DAILY WELL		
OTHER		STANDBY BOAT			CUMULATIVE WELL		
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER			OIM	

Origin Energy Petroleum Ltd / Essential Petroleum Resources Limited. Daily Drilling Report

WELL:	Port Fairy #1
PERMIT:	Vic P-152
RIG:	Mitchell Drilling Rig #150

DATE:	11.01.02
REPORT #	3
D.F.S.	2

DEPTH 2400 Hrs:	78.2	STATUS @ 06:00 Hrs:	Running 13.375" conductor		
TVD:		FORMATION:	Port Campbell Lst		
24 HR PROGRESS:	48	LAST CASING:	NA	@	SHOE L.O.T.:
HOLE SIZE:	17½"	WD (LAT):		RT - GL / Air gap:	4.5
					MAASP:

SURVEYS:

MUD PROPERTIES			ADDITIVES	CONSUMABLES			FORMATION DATA		
Density (ppg)				Rig	Workboat	Workboat	Name		
Funnel viscosity.			Fuel				Lithology		
PH			Potable water				Top depth RT.		
PV/YP(cp/lb/100ft2)			Drill water				Trip gas %		
Gels 10secs / 10min			Barites				Connection Gas %		
WL API(cc/30min)			Cement				Background gas %		
WL HTHP(cc/30min)			Gel				ECD (ppg)		
Cake (1/16")			Base Oil				DRILLS / BOPS		
Solids %			PUMPS	1	2	3	LAST BOP DRILL		
Sand %			TYPE				LAST FIRE DRILL		
Chlorides (mg/l)			STROKE(in)				LAST MOB DRILL		
KCl %			LINER(in)				LAST ABN. RIG DRILL		
MBT(lb/bbl)			SPM				LAST BOP TEST		
Flowline Temp °C			LPM				BOP TEST DUE		
Hole volume bbls.			AV-DP(Ft/min)					HRS	CUM
Surface volume bbls.			AV-DC(Ft/min)				1. Rig up / down.	6.00	6.00
			SPP(kPa/psi)				2. Drilling.	3.00	9.00
			SCR @ 40				3. Reaming.	5.50	14.50
			SCR @ 50				4. Trip	3.75	18.25
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.		18.25
Bit Run			Wind Speed (kts)				6. Deviation survey		18.25
Diameter			Direction				7. Run casing	2.00	20.25
Type & manufacture			Temperature				8. Cementing	1.00	21.25
IADC code			Barometric pressure millibar				9. Handle Preventors		21.25
Serial number			Barometer rise / fall				10. Marine riser.		21.25
Nozzles			Visibility(NM)				11. Logging.		21.25
Depth In (m)			Sea state				12. Press. test BOP		21.25
Depth Out			Swell / Period / Direction				13. Repair rig.		21.25
Drilled (m cum/dly)			Waves / period / direction				14. Service rig.	0.25	21.50
Hours (cum/dly)			Heave				15. Slip / cut drlg line		21.50
Dull grade			Pitch				16. Drill stem test.		21.50
Averade ROP (m/hr)			Roll				17. Fishing.		21.50
WOB Klbs			Anchor tension				18. Well control.		21.50
RPM			Anchor tension				19. Hang-off.		21.50
Jet velocity			Riser tension				21. W.O.Weather		21.50
HHP @ BIT			VARIABLE DECK LOAD (Kips)				22. Lost circ.		21.50
BHA No.		BHA WEIGHT		STRING WT			23. Plug / Abandon.		21.50
BHA Profile :							24. Mob / Demob		21.50
							25. Handle anchors.		21.50
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.		21.50
			DRAG - UP (mt)				27. Guide base / ROV.		21.50
			DRAG - DOWN (mt)				28. Others		2.50 24.00
			TORQUE-On Bottom (amps)						
			TORQUE-Off Bottom (amps)						
							TOTAL (HRS)		24.00

Origin Energy Petroleum Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1
PERMIT:	Vic P-152
RIG:	Mitchell Drilling Rig #150

DATE:	11th January 2002
REPORT #	3
D.F.S.	2

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OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION			COSTS		
OPERATOR	OCA		NAME	LOCATION	DAILY MUD		
DRILLING CONT.	MDC	WORKBOAT			CUMULATIVE MUD		
SERVICE COMPS		WORKBOAT			DAILY WELL		
OTHER		STANDBY BOAT			CUMULATIVE WELL		
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER			OIM	

WELL:		Port Fairy #1		DATE:		12.01.02		
PERMIT:		Vic P-152		REPORT #		4		
RIG:		Mitchell Drilling Rig #150		D.F.S.		3		
DEPTH 2400 Hrs:		140.30 m		STATUS @ 06:00 Hrs:		drilling 12 1/4" hole		
TVD:				FORMATION:		Port Campbell Limestone		
24 HR PROGRESS:		62.10 m		LAST CASING:		13 3/8" @ 67.4m		
HOLE SIZE:		12 1/4"		WD (LAT):		N/A		
				RT - GL / Air gap:		4.5m		
MAASP:						N/A		
SURVEYS:								
MUD PROPERTIES		ADDITIVES		CONSUMABLES			FORMATION DATA	
Sample taken @	24:00hrs	58		Rig	Workboat	Workboat	Name	Port Campbell Limestone
Flowline Temp °C	-		Fuel				Lithology	
Density (ppg)	8.55		Potable water				Top depth RT.	44.50 m
Funnel viscosity.	45		Drill water				Trip gas %	
PV/YP(cp/lb/100ft2)	12		Barites				Connection Gas %	
Gels 10secs / 10min	13	16	Cement				Background gas %	
WL API(cc/30min)	-	26	Gel				ECD (ppg)	
WL HTHP(cc/30min)	-		Base Oil				DRILLS / BOPS	
Cake (1/32")	-		PUMPS	1	2	3	LAST BOP DRILL	
Solids %	1.6		TYPE	SOILMEC			LAST FIRE DRILL	
Sand %	0		STROKE(in)	7"			LAST MOB DRILL	
MBT(lb/bbl)	17.5		LINER(in)	7"			LAST ABN. RIG DRILL	
PH	10		SPM	140			LAST BOP TEST	
Chlorides (mg/l)	-		GPM	480			BOP TEST DUE	
KCl %	-		AV-DP(Ft/min)	83				HRS
PHPA (Calc ppb)	-		AV-DC(Ft/min)	102			1. Rig up / down.	8.75
			SPP(kPa/psi)	367			2. Drilling.	4.50
Hole volume bbls.	32		SCR @ 40				3. Reaming.	10.50
Surface volume bbls.	213		SCR @ 50				4. Trip	2.00
							5. Circ. / condition.	6.75
BIT DATA			WEATHER / RIG RESPONSE					
Bit Run	2		Wind Speed (kts)				6. Deviation survey	
Diameter	12 1/4"		Direction				7. Run casing	1.50
Type & manufacture	122ETRIGMPS VAREL		Temperature				8. Cementing	9.50
IADC code			Barometric pressure millibar				9. Handle Preventors	5.75
Serial number	165767		Barometer rise / fall				10. Marine riser.	8.75
Nozzles	16-16-20		Visibility(NM)				11. Logging.	
Depth In (m)	78m		Sea state				12. Press. test BOP	
Depth Out	-		Swell / Period / Direction				13. Repair rig.	1.50
Drilled (m cum/dly)			Waves / period / direction				14. Service rig.	0.25
Hours (cum/dly)			Heave				15. Slip / cut drlg line	
Dull grade			Pitch				16. Drill stem test.	
Average ROP (m/hr)			Roll				17. Fishing.	
WOB Klbs			Anchor tension				18. Well control.	
RPM			Anchor tension				19. Hang-off.	
Jet velocity			Riser tension				21. W.O.Weather	
HHP @ BIT			VARIABLE DECK LOAD (Kips)				22. Lost circ.	
BHA No.	1	BHA WEIGHT		STRING WT			23. Plug / Abandon.	
BHA Profile : 12.25" BIT - 2x8"DC - 1x8"STAB. - XOVER - 16x6.25"DC - JARS - XOVER - 3.5"DRILL PIPE							24. Mob / Demob	
							25. Handle anchors.	
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.	
			DRAG - UP (mt)				27. Guide base / ROV.	
			DRAG - DOWN (mt)				28. Others	3.00
			TORQUE-On Bottom (amps)					
			TORQUE-Off Bottom (amps)					
							TOTAL (HRS)	24.00
								79.00

Origin Energy Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1
PERMIT:	Vic P-152
RIG:	Mitchell Drilling Rig #150

DATE:	12th January 2002
REPORT #	4
D.F.S.	3

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION			COSTS		
OPERATOR	OCA		NAME	LOCATION	DAILY MUD		
DRILLING CONT.	MDC	WORKBOAT			CUMULATIVE MUD		
SERVICE COMPS		WORKBOAT			DAILY WELL		
OTHER		STANDBY BOAT			CUMULATIVE WELL		
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER			OIM	

Origin Energy Ltd / Essential Petroleum Resources Limited.

Daily Drilling Report

WELL:	Port Fairy #1	DATE:	13.01.02
PERMIT:	Vic P-152	REPORT #	5
RIG:	Mitchell Drilling Rig #150	D.F.S.	4

DEPTH 0600 Hrs:	674.00 m	STATUS @ 06:00 Hrs:	drilling 12 1/4" hole
TVD:	674.00 m	FORMATION:	Top Progrades
24 HR PROGRESS:	533.70 m	LAST CASING:	13 3/8" @ 67.4m
HOLE SIZE:	12 1/4"	WD (LAT):	N/A
		RT - GL / Air gap:	4.5m
SURVEYS:	Survey @ 450m 1 deg		
MUD PROPERTIES		CONSUMABLES	
Sample taken @	09:00 / 245m	23:30 / 548	
Flowline Temp °C	-	-	
Weight ppg / SG	9.1 / 1.09	9.25 / 1.11	
Funnel viscosity.	49	38	
PV/YP(cp/lb/100ft2)	28	14	
Gels 10secs / 10min	22 / 35	4 / 21	
WL API(cc/30min)	N/C	10	
WL HTHP(cc/30min)	-	-	
Cake (1/32")	-	-	
Solids %	5.7	6.8	
Sand %	.75	1	
MBT(lb/bbl)	25	25	
PH	9.5	8.5	
Chlorides (mg/l)	1000	1500	
KCl %			
PHPA (Calc ppb)	-		
Hole volume bbls.			
Surface volume bbls.	237	190	

BIT DATA		WEATHER / RIG RESPONSE	
Bit Run	2	Wind Speed (kts)	
Diameter	12 1/4"	Direction	
Type & manufacture	122ETRIGMPS VAREL	Temperature	
IADC code		Barometric pressure millibar	
Serial number	165767	Barometer rise / fall	
Nozzles	16-16-20	Visibility(NM)	
Depth In (m)	78m	Sea state	
Depth Out	-	Swell / Period / Direction	
Drilled (m cum/dly)		Waves / period / direction	
Hours (cum/dly)		Heave	
Dull grade		Pitch	
Average ROP (m/hr)		Roll	
WOB Klbs		Anchor tension	
RPM		Anchor tension	
Jet velocity		Riser tension	
HHP @ BIT		VARIABLE DECK LOAD (Kips)	

BHA No.	1	BHA WEIGHT	STRING WT
BHA Profile : 12.25" BIT - 2x8"DC - 1x8"STAB. - XOVER - 16x6.25"DC - JARS - XOVER - 3.5"DRIILL PIPE			

DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA
			DRAG - UP (mt)
			DRAG - DOWN (mt)
			TORQUE-On Bottom (amps)
			TORQUE-Off Bottom (amps)
			TOTAL (HRS)
			24.00
			102.00

Origin Energy Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	13th January 2002
PERMIT:	Vic P-152	REPORT #	5
RIG:	Mitchell Drilling Rig #150	D.F.S.	4

WELL:	Port Fairy #1	DATE:	13th January 2002
PERMIT:	Vic P-152	REPORT #	5
RIG:	Mitchell Drilling Rig #150	D.F.S.	4

[illegible]

OPERATIONS TO 0600 HRS:	
	Drill to 750m

OPERATIONS TO 0600 HRS:	
	Drill to 750m

PROGRAMME NEXT 24 HRS: Circ. 2x btms up or till returns are clean. Wiper trip. Run casing & cement.							
BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)

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PERSONNEL ON RIG		TRANSPORTATION			COSTS	
OPERATOR	OCA		NAME	LOCATION	DAILY MUD	\$1,029.76

PERSONNEL ON RIG		TRANSPORTATION			COSTS	
OPERATOR	OCA		NAME	LOCATION	DAILY MUD	\$1,029.76

PERSONNEL ON RIG		TRANSPORTATION			COSTS	
OPERATOR	OCA		NAME	LOCATION	DAILY MUD	\$1,029.76

DRILLING CONT.	MDC	WORKBOAT			CUMULATIVE MUD	\$1,885.44
SERVICE COMPS		WORKBOAT			DAILY WELL	
OTHER		STANDBY BOAT			CUMULATIVE WELL	
		HELICOPTER				
TOTAL		HELICOPTER				

SUPERVISOR(S)	W.J. WESTMAN	ENGINEER			OIM	
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SUPERVISOR(S)	W.J. WESTMAN	ENGINEER			OIM	
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SUPERVISOR(S)	W.J. WESTMAN	ENGINEER			OIM	
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SUPERVISOR(S)	W.J. WESTMAN	ENGINEER			OIM	
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Essential Petroleum Resources Limited. Daily Drilling Report

WELL:	Port Fairy #1
PERMIT:	Vic P-152
RIG:	Mitchell Drilling Rig #150

DATE:	14.01.02
REPORT #	6
D.F.S.	5

DEPTH 0600 Hrs:	821.00 m	STATUS @ 06:00 Hrs:	Running casing	
TVD:	821.00 m	FORMATION:	N/A	
24 HR PROGRESS:	147.00 m	LAST CASING:	13 3/8"	@ 67.4m
HOLE SIZE:	12 1/4"	WD (LAT):	N/A	SHOE L.O.T.: N/A
			RT - GL / Air gap:	4.5m
SURVEYS:	Survey @ 821m Misrun			

MUD PROPERTIES			CONSUMABLES				FORMATION DATA		
Sample taken @	14:00 / 818	21:30 / 821		Rig	Workboat	Workboat	Name	N/A	
Flowline Temp °C	-	-	Fuel				Lithology		
Weight ppg / SG	9.3 /1.12	9.25 / 1.11	Potable water				Top depth RT.		
Funnel viscosity.	39	40	Drill water				Trip gas %		
PV/YP(cp/lb/100ft2)	8 / 10	08-Nov	Barites				Connection Gas %		
Gels 10secs / 10min	3 / 15	5 / 14	Cement				Background gas %		
WL API(cc/30min)	20	18	Gel				ECD (ppg)		
WL HTHP(cc/30min)	-	-	Base Oil				DRILLS / BOPS		
Cake (1/32")	-	-	PUMPS	1	2	3	LAST BOP DRILL		
Solids %	7.2	6.8	TYPE	SOILMEC			LAST FIRE DRILL		
Sand %	1.5	1	STROKE(in)	7"			LAST MOB DRILL		
MBT(lb/bbl)	17.5	15	LINER(in)	7"			LAST ABN. RIG DRILL		
PH	9	9	SPM	140			LAST BOP TEST		
Chlorides (mg/l)	1000	1000	GPM	480			BOP TEST DUE		
KCl %	-	-	AV-DP(Ft/min)	83				HRS	CUM
PHPA (Calc ppb)	-	-	AV-DC(Ft/min)	102			1. Rig up / down.		38.75
			SPP(kPa/psi)	367			2. Drilling.	3.75	31.75
Hole volume bbls.	364		SCR @ 40				3. Reaming.		
Surface volume bbls.	190		SCR @ 50				4. Trip	10.00	16.75
BIT DATA			WEATHER / RIG RESPONSE			5. Circ. / condition.		5.00	5.00
Bit Run	2		Wind Speed (kts)				6. Deviation survey		
Diameter	12 1/4"		Direction				7. Run casing		3.50 13.00
Type & manufacture	122ETRIGMPS VAREL		Temperature				8. Cementing		8.75
IADC code			Barometric pressure millibar				9. Handle Preventors		
Serial number	165767		Barometer rise / fall				10. Marine riser.		
Nozzles	16-16-20		Visibility(NM)				11. Logging.		
Depth In (m)	78m		Sea state				12. Press. test BOP		
Depth Out	821m		Swell / Period / Direction				13. Repair rig.		1.50
Drilled (m cum/dly)			Waves / period / direction				14. Service rig.		0.25
Hours (cum/dly)			Heave				15. Slip / cut drlg line		
Dull grade			Pitch				16. Drill stem test.		
Average ROP (m/hr)			Roll				17. Fishing.		
WOB Klbs			Anchor tension				18. Well control.		
RPM			Anchor tension				19. Hang-off.		
Jet velocity			Riser tension				21. W.O.Weather		
HHP @ BIT			VARIABLE DECK LOAD (Kips)				22. Lost circ.		
BHA No.	1	BHA WEIGHT		STRING WT			23. Plug / Abandon.		
BHA Profile :							24. Mob / Demob		
							25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA			26. Position rig.			
			DRAG - UP (mt)			27. Guide base / ROV.			
			DRAG - DOWN (mt)			28. Others		1.75	10.25
			TORQUE-On Bottom (amps)						
			TORQUE-Off Bottom (amps)						
						TOTAL (HRS)		24.00	126.00

Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	14th January 2002
PERMIT:	Vic P-152	REPORT #	6
RIG:	Mitchell Drilling Rig #150	D.F.S.	5

WELL:	Port Fairy #1	DATE:	14th January 2002
PERMIT:	Vic P-152	REPORT #	6
RIG:	Mitchell Drilling Rig #150	D.F.S.	5

[illegible]

OPERATIONS TO 0600 HRS:

Drill to 750m

PROGRAMME NEXT 24 HRS:	Circ. 2x btms up or till returns are clean. Wiper trip. Run casing & cement.
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BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION			COSTS		
OPERATOR	OCA		NAME	LOCATION	DAILY MUD		\$1,029.76
DRILLING CONT.	MDC	WORKBOAT			CUMULATIVE MUD		\$1,885.44
SERVICE COMPS		WORKBOAT			DAILY WELL		
OTHER		STANDBY BOAT			CUMULATIVE WELL		
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER			OIM	

Origin Energy Ltd / Essential Petroleum Resources Limited.
Daily Drilling Report


WELL:	Port Fairy #1
PERMIT:	PEP-152
RIG:	Mitchell Drilling Rig #150

DATE:	16.01.02
REPORT #	8
D.F.S.	7

DEPTH 0600 Hrs:	893.00 m	STATUS @ 06:00 Hrs:	Drilling ahead		
TVD:	893.00 m	FORMATION:	Paaratte		
24 HR PROGRESS:	72.00 m	LAST CASING:	9 5/8	@	812.0m
HOLE SIZE:	8 1/2"	WD (LAT):	N/A	RT - GL / Air gap:	4.5m
				SHOE L.O.T.:	13.5 ppg
				MAASP:	620 psi

SURVEYS:	
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MUD PROPERTIES			FL	PIT	CONSUMABLES				FORMATION DATA				
Sample taken @				11:30 - 821m		Rig	Workboat	Workboat	Name		Paaratte		
Flowline Temp °C				-	Fuel				Lithology				
Weight ppg / SG				8.9 - 1.07	Potable water				Top depth RT.		804.50 m		
Funnel viscosity.				45	Drill water				Trip gas %				
PV/YP(cp/lb/100ft2)				13 - 19	Barites				Connection Gas %				
Gels 10secs / 10min				4 - 6	Cement				Background gas %				
WL API(cc/30min)				HIGH	Gel				ECD (ppg)				
WL HTHP(cc/30min)				-	Base Oil				DRILLS / BOPS				
Cake (1/32")				-	PUMPS	1	2	3	LAST BOP DRILL				
Solids %				1	TYPE	SOILMEC			LAST FIRE DRILL				
Sand %				NIL	STROKE(in)	7"			LAST MOB DRILL				
MBT(lb/bbl)				-	LINER(in)	6			LAST ABN. RIG DRILL				
PH				9.0	SPM	150			LAST BOP TEST				
Chlorides (mg/l)				50,000	GPM	378			BOP TEST DUE				
K+ (mg/l)				56,700	AV-DP(Ft/min)	154				HRS	CUM		
KCl %				10.5	AV-DC(Ft/min)	279			1. Rig up / down.		38.75		
PHPA (Calc ppb)				-	SPP	1150			2. Drilling.		4.00 35.75		
Hole volume bbls.				169	SCR @ 40				3. Reaming.		1.00 1.00		
Surface volume bbls.				30	SCR @ 50				4. Trip		6.00 22.75		
BIT DATA					WEATHER / RIG RESPONSE					5. Circ. / condition.		2.75 9.75	
Bit Run		3			Wind Speed (kts)					6. Deviation survey		0.50 0.50	
Diameter		8 1/2"			Direction					7. Run casing		18.25	
Type & manufacture					Temperature					8. Cementing		17.75	
IADC code					Barometric pressure millibar					9. Handle Preventors		3.25 3.25	
Serial number		5996742 RW			Barometer rise / fall					10. Riser, flowline			
Nozzles		14 -14 -14 -14			Visibility(NM)					11. Logging.			
Depth In (m)		821m			Sea state					12. Press. test BOP		5.00 5.00	
Depth Out					Swell / Period / Direction					13. Repair rig.		1.50	
Drilled (m cum/dly)					Waves / period / direction					14. Service rig.		1.00 1.25	
Hours (cum/dly)					Heave					15. Slip / cut drlg line			
Dull grade					Pitch					16. Drill stem test.			
Average ROP (m/hr)					Roll					17. Fishing.			
WOB Klbs		5-15			Anchor tension					18. Well control.			
RPM		140			Anchor tension					19. Hang-off.			
Jet velocity					Riser tension					21. W.O.Weather			
HHP @ BIT					VARIABLE DECK LOAD (Kips)					22. Lost circ.			
BHA No.		1		BHA WEIGHT		STRING WT			23. Plug / Abandon.				
BHA Profile :										24. Mob / Demob			
										25. Handle anchors.			
DOWNHOLE TOOLS		SERIAL No.		ROT/REAM HRS		DRILLING DATA				26. Position rig.			
						DRAG - UP (mt)			27. Guide base / ROV.				
						DRAG - DOWN (mt)			28. Others		0.75 11.00		
						TORQUE-On Bottom (amps)							
						TORQUE-Off Bottom (amps)							
										TOTAL (HRS)		24.25 166.50	

		<h1>Essential Petroleum Resources Limited.</h1> <h2>Daily Drilling Report</h2>											
WELL:		Port Fairy #1				DATE:		15.01.02					
PERMIT:		PEP-152				REPORT #		7					
RIG:		Mitchell Drilling Rig #150				D.F.S.		6					
DEPTH 0600 Hrs:		Surface		STATUS @ 06:00 Hrs:		Nipple up BOP's & associated equipment							
TVD:		821.00 m		FORMATION:		N/A							
24 HR PROGRESS:		N/A		LAST CASING:		9 5/8 @		812.0m		SHOE L.O.T.:		N/A	
HOLE SIZE:		12 1/4"		WD (LAT):		N/A		RT - GL / Air gap:		4.5m		MAASP:	N/A
SURVEYS:													
MUD PROPERTIES		FL		PIT		CONSUMABLES				FORMATION DATA			
Sample taken @				10:00 / 821m		Rig Workboat Workboat				Name N/A			
Flowline Temp °C				-		Fuel				Lithology			
Weight ppg / SG				9.25 / 1.11		Potable water				Top depth RT.			
Funnel viscosity.				37		Drill water				Trip gas %			
PV/YP(cp/lb/100ft ²)				7 / 8		Barites				Connection Gas %			
Gels 10secs / 10min				8		Cement				Background gas %			
WL API(cc/30min)				20		Gel				ECD (ppg)			
WL HTHP(cc/30min)				-		Base Oil				DRILLS / BOPS			
Cake (1/32")				-		PUMPS				LAST BOP DRILL			
Solids %				6.8		TYPE				LAST FIRE DRILL			
Sand %				0.75		STROKE(in)				LAST MOB DRILL			
MBT(lb/bbl)				15		LINER(in)				LAST ABN. RIG DRILL			
PH				9.0		SPM				LAST BOP TEST			
Chlorides (mg/l)				1000		GPM				BOP TEST DUE			
KCl %				-		AV-DP(Ft/min)				HRS CUM			
PHPA (Calc ppb)				-		AV-DC(Ft/min)				1. Rig up / down.			
						SPP(kPa/psi)				2. Drilling.			
Hole volume bbls.				185		SCR @ 40				3. Reaming.			
Surface volume bbls.				-		SCR @ 50				4. Trip			
BIT DATA						WEATHER / RIG RESPONSE				5. Circ. / condition.			
Bit Run		2				Wind Speed (kts)				6. Deviation survey			
Diameter		12 1/4"				Direction				7. Run casing			
Type & manufacture		122ETRIGMPS VAREL				Temperature				8. Cementing			
IADC code						Barometric pressure millibar				9. Handle Preventors			
Serial number		165767				Barometer rise / fall				10. Riser, flowline			
Nozzles		16-16-20				Visibility(NM)				11. Logging.			
Depth In (m)		78m				Sea state				12. Press. test BOP			
Depth Out		821m				Swell / Period / Direction				13. Repair rig.			
Drilled (m cum/dly)						Waves / period / direction				14. Service rig.			
Hours (cum/dly)						Heave				15. Slip / cut drlg line			
Dull grade						Pitch				16. Drill stem test.			
Average ROP (m/hr)						Roll				17. Fishing.			
WOB Klbs						Anchor tension				18. Well control.			
RPM						Anchor tension				19. Hang-off.			
Jet velocity						Riser tension				21. W.O.Weather			
HHP @ BIT						VARIABLE DECK LOAD (Kips)				22. Lost circ.			
BHA No.		1		BHA WEIGHT		STRING WT				23. Plug / Abandon.			
BHA Profile :										24. Mob / Demob			
										25. Handle anchors.			
DOWNHOLE TOOLS		SERIAL No.		ROT/REAM HRS		DRILLING DATA				26. Position rig.			
						DRAG - UP (mt)				27. Guide base / ROV.			
						DRAG - DOWN (mt)				28. Others			
						TORQUE-On Bottom (amps)							
						TORQUE-Off Bottom (amps)							
										TOTAL (HRS)			
										24.00			
										142.25			

Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	15th January 2002
PERMIT:	PEP-152	REPORT #	7
RIG:	Mitchell Drilling Rig #150	D.F.S.	6

WELL:	Port Fairy #1	DATE:	15th January 2002
PERMIT:	PEP-152	REPORT #	7
RIG:	Mitchell Drilling Rig #150	D.F.S.	6

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OPERATIONS TO 0600 HRS:	
	Drill to 750m

OPERATIONS TO 0600 HRS:	
	Drill to 750m

PROGRAMME NEXT 24 HRS: Circ. 2x btms up or till returns are clean. Wiper trip. Run casing & cement.							
BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION			COSTS		
OPERATOR	OCA		NAME	LOCATION	DAILY MUD	\$1,029.76	
DRILLING CONT.	MDC	WORKBOAT			CUMULATIVE MUD	\$1,885.44	
SERVICE COMPS		WORKBOAT			DAILY WELL		
OTHER		STANDBY BOAT			CUMULATIVE WELL		
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

Origin Energy Ltd / Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	16th January 2002
PERMIT:	PEP-152	REPORT #	8
RIG:	Mitchell Drilling Rig #150	D.F.S.	7

WELL:	Port Fairy #1	DATE:	16th January 2002
PERMIT:	PEP-152	REPORT #	8
RIG:	Mitchell Drilling Rig #150	D.F.S.	7

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:							
BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

Origin Energy Ltd / Essential Petroleum Resources Limited.

Daily Drilling Report

WELL: Port Fairy #1
PERMIT: PEP-152
RIG: Mitchell Drilling Rig #150

DATE: 17-Jan-02
REPORT # 9
D.F.S. 8

DEPTH 0600 Hrs: 1288.00 m **STATUS @ 06:00 Hrs:** Drilling ahead
TVD: 1288.00 m **FORMATION:** Belfast Mudstone (Lwr)
24 HR PROGRESS: 395.00 m **LAST CASING:** 9 5/8 @ 812.0m **SHOE L.O.T.:** 13.5 ppg
HOLE SIZE: 8 1/2" **WD (LAT):** N/A **RT - GL / Air gap:** 4.5m **MAASP:** 620 psi

SURVEYS:

MUD PROPERTIES	FL	FL	CONSUMABLES			FORMATION DATA		
Sample taken @	12:30 / 1048m	24:00 / 1255m		Rig	Workboat	Workboat	Name	Belfast Mudstone (Lwr)
Flowline Temp °C	104	115	Fuel				Lithology	
Weight ppg / SG	9.10 / 1.09	9.5 / 1.14	Potable water				Top depth RT.	1235.00 m
Funnel viscosity.	41	43	Drill water				Trip gas %	
PV/YP(cp/lb/100ft2)	13 / 17	14 / 17	Barites				Connection Gas %	
Gels 10secs / 10min	2 - 3	4 - 5	Cement				Background gas %	
WL API(cc/30min)	7	6.4	Gel				ECD (ppg)	
WL HTHP(cc/30min)		-	Base Oil				DRILLS / BOPS	
Cake (1/32")	<1	<1	PUMPS	1	2	3	LAST BOP DRILL	
Solids %	3.7	6.4	TYPE	SOILMEC			LAST FIRE DRILL	
Sand %	0.75	1.0	STROKE(in)	7			LAST MOB DRILL	
MBT(lb/bbl)	4.0	6.0	LINER(in)	7			LAST ABN. RIG DRILL	
PH	9.0	9.0	SPM	150			LAST BOP TEST	
Chlorides (mg/l)	33,000	26,000	GPM	378			BOP TEST DUE	
K+ (mg/l)	35,100	56,700	AV-DP(Ft/min)	154				HRS CUM
KCl %	6.5	5.2	AV-DC(Ft/min)	279			1. Rig up / down.	38.75
PHPA (Calc ppb)	0.75	0.94	SPP	1150			2. Drilling.	19.25 35.75
Hole volume bbls.	262		SCR @ 36	10bar			3. Reaming.	1.00
Surface volume bbls.	180		SCR @ 64	28bar			4. Trip	22.75
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.	2.50 12.25
Bit Run	3		Wind Speed (kts)				6. Deviation survey	0.50
Diameter	8 1/2"		Direction				7. Run casing	18.25
Type & manufacture			Temperature				8. Cementing	17.75
IADC code			Barometric pressure millibar				9. Handle Preventors	3.25
Serial number	5996742 RW		Barometer rise / fall				10. Riser, flowline	
Nozzles	14 -14 -14 -14 -14		Visibility(NM)				11. Logging.	
Depth In (m)	821m		Sea state				12. Press. test BOP	5.00
Depth Out			Swell / Period / Direction				13. Repair rig.	2.25 3.75
Drilled (m cum/dly)			Waves / period / direction				14. Service rig.	1.25
Hours (cum/dly)			Heave				15. Slip / cut drlg line	
Dull grade			Pitch				16. Drill stem test.	
Average ROP (m/hr)			Roll				17. Fishing.	
WOB Klbs	5-15		Anchor tension				18. Well control.	
RPM	140		Anchor tension				19. Hang-off.	
Jet velocity			Riser tension				21. W.O.Weather	
HHP @ BIT			VARIABLE DECK LOAD (Kips)				22. Lost circ.	
BHA No.	1	BHA WEIGHT		STRING WT			23. Plug / Abandon.	
BHA Profile :							24. Mob / Demob	
							25. Handle anchors.	
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.	
			DRAG - UP (mt)				27. Guide base / ROV.	
			DRAG - DOWN (mt)				28. Others	11.00
			TORQUE-On Bottom (amps)					
			TORQUE-Off Bottom (amps)					
							TOTAL (HRS)	24.00 171.25

Origin Energy Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	17th January 2002
PERMIT:	PEP-152	REPORT #	9
RIG:	Mitchell Drilling Rig #150	D.F.S.	8

WELL:	Port Fairy #1	DATE:	17th January 2002
PERMIT:	PEP-152	REPORT #	9
RIG:	Mitchell Drilling Rig #150	D.F.S.	8

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER			OIM	

Origin Energy Ltd / Essential Petroleum Resources Limited.
Daily Drilling Report

WELL:	Port Fairy #1
PERMIT:	PEP-152
RIG:	Mitchell Drilling Rig #150

DATE:	18-Jan-02
REPORT #	10
D.F.S.	9

DEPTH 0600 Hrs:	1327.00 m	STATUS @ 06:00 Hrs:	Reaming, Circulating bottoms up		
TVD:	1327.00 m	FORMATION:	Belfast Mudstone (Lwr)		
24 HR PROGRESS:	0.00 m	LAST CASING:	9 5/8	@	812.0m
HOLE SIZE:	8 1/2"	WD (LAT):	N/A	RT - GL / Air gap:	4.5m
				SHOE L.O.T.:	13.5 ppg
				MAASP:	620 psi
SURVEYS:	3.5deg @ 1327m				

MUD PROPERTIES			FL	FL	CONSUMABLES				FORMATION DATA		
Sample taken @	12:00 -1320m	4:00 / 1327m		Rig	Workboat	Workboat	Name	Belfast Mudstone (Lwr)			
Flowline Temp °C	125	-	Fuel				Lithology				
Weight ppg / SG	9.60 / 1.15	9.65 / 1.16	Potable water				Top depth RT.	1235.00 m			
Funnel viscosity.	44	42	Drill water				Trip gas %				
PV/YP(cp/lb/100ft2)	15 / 19	14 / 16	Barites				Connection Gas %				
Gels 10secs / 10min	3 - 6	2 - 5	Cement				Background gas %				
WL API(cc/30min)	6.8	6.5	Gel				ECD (ppg)				
WL HTHP(cc/30min)			Base Oil				DRILLS / BOPS				
Cake (1/32")	1	1	PUMPS	1	2	3	LAST BOP DRILL				
Solids %	7.1	7.6	TYPE	SOILMEC			LAST FIRE DRILL				
Sand %	1	1.25	STROKE(in)	6			LAST MOB DRILL				
MBT(lb/bbl)	8.5	9.0	LINER(in)	6			LAST ABN. RIG DRILL				
PH	9.0	9.2	SPM	150			LAST BOP TEST				
Chlorides (mg/l)	25,000	21,000	GPM	378			BOP TEST DUE				
K+ (mg/l)	27,600	22,700	AV-DP(Ft/min)	154				HRS	CUM		
KCl %	5.1	4.2	AV-DC(Ft/min)	279			1. Rig up / down.		38.75		
PHPA (Calc ppb)	1.18	1.16	SPP	1150			2. Drilling.	7.25	43.00		
Hole volume bbls.	278		SCR @ 36	10bar			3. Reaming.	8.75	10.00		
Surface volume bbls.	160		SCR @ 64	28bar			4. Trip	6.25	28.90		
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.	0.75	13.00		
Bit Run	3	4	Wind Speed (kts)		10	5	6. Deviation survey	0.50	1.00		
Diameter	8 1/2"	8 1/2"	Direction		SE	SE	7. Run casing		18.25		
Type & manufacture	DBS	HTC	Temperature		18		8. Cementing		17.75		
IADC code	PDC		Barometric pressure millibar				9. Handle Preventors		3.25		
Serial number	5996742 RW		Barometer rise / fall				10. Riser, flowline				
Nozzles	14 -14 -14 -14 -14		Visibility(NM)				11. Logging.				
Depth In (m)	821m	1327m	Sea slate				12. Press. test BOP		5.00		
Depth Out	1327m		Swell / Period / Direction				13. Repair rig.		3.75		
Drilled (m cum/dly)	506m		Waves / period / direction				14. Service rig.		1.25		
Hours (cum/dly)	7¼ / 30¼		Heave				15. Slip / cut drlg line				
Dull grade	Rng		Pitch				16. Drill stem test.				
Average ROP (m/hr)	16.7		Roll				17. Fishing.				
WOB Klbs	5-15		Anchor tension				18. Well control.				
RPM	140		Anchor tension				19. Hang-off.				
Jet velocity	135		Riser tension				21. W.O.Weather				
HHP @ BIT	39		VARIABLE DECK LOAD (Kips)				22. Lost circ.				
BHA No.	2	BHA WEIGHT		STRING WT			23. Plug / Abandon.				
BHA Profile : Bit / NB / Pony/STB/ DC/STB/ 16 xDc/Jars/ 2 x Dc/Xo							24. Mob / Demob				
							25. Handle anchors.				
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.				
Jars	DAH 02993	35¾	DRAG - UP (mt)				27. Guide base / ROV.				
Nb stab	MDC	30¼	DRAG - DOWN (mt)				28. Others	0.50	11.50		
Slab	MDC	30¼	TORQUE-On Bottom (amps)								
Stab	MDC	30¼	TORQUE-Off Bottom (amps)								
							TOTAL (HRS)	24.00	195.40		

Essential Petroleum Resources Limited.

Daily Drilling Report

WELL:	Port Fairy #1	DATE:	19-Jan-02
PERMIT:	PEP-152	REPORT #	11
RIG:	Mitchell Drilling Rig #150	D.F.S.	10

DEPTH 0600 Hrs:	1550.00 m	STATUS @ 06:00 Hrs:	Preparing to rig Schlumberger up.	
TVD:	1550.00 m	FORMATION:	Eumerella	
24 HR PROGRESS:	223.00 m	LAST CASING:	9 5/8	@
			812.0m	SHOE L.O.T.:
HOLE SIZE:	8 1/2"	WD (LAT):	N/A	
		RT - GL / Air gap:	4.5m	MAASP:
				620 psi

SURVEYS:

MUD PROPERTIES	FL	PIT	CONSUMABLES				FORMATION DATA		
Sample taken @	1130 / 1371m	1930 / 1550m		Rig	Workboat	Workboat	Name	Eumerella	
Flowline Temp °C	120	124	Fuel				Lithology		
Weight ppg / SG	9.60 / 1.15	9.70 / 1.16	Potable water				Top depth RT.	1369.50 m	
Funnel viscosity.	46	48	Drill water				Trip gas %		
PV/YP(cp/lb/100ft2)	16 / 21	19 / 23	Barites				Connection Gas %		
Gels 10secs / 10min	3 - 7	5 - 8	Cement				Background gas %		
WL API(cc/30min)	6	6.4	Gel				ECD (ppg)		
WL HTHP(cc/30min)			Base Oil				DRILLS / BOPS		
Cake (1/32")	1.5	1.5	PUMPS	1	2	3	LAST BOP DRILL		19/01/02
Solids %	7.4	8.2	TYPE	SOILMEC			LAST FIRE DRILL		
Sand %	1.75	1.50	STROKE(in)	6			LAST MOB DRILL		
MBT(lb/bbl)	9.0	9.5	LINER(in)	6			LAST ABN. RIG DRILL		
PH	8.8	9.0	SPM	150			LAST BOP TEST		15/01/02
Chlorides (mg/l)	21,500	21,000	GPM	378			BOP TEST DUE		29/01/02
K+ (mg/l)	23,200	21,600	AV-DP(Ft/min)	154				HRS	CUM
KCl %	4.3	4.0	AV-DC(Ft/min)	279			1. Rig up / down.		38.75
PHPA (Calc ppb)	1.23	1.22	SPP	1150			2. Drilling.		11.50 47.25
Hole volume bbls.	346		SCR @ 36	10bar			3. Reaming.		2.50 12.50
Surface volume bbls.	150		SCR @ 64	28bar			4. Trip		7.00 36.00
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.		3.00 16.00
Bit Run	3	4	Wind Speed (kts)				6. Deviation survey		1.00
Diameter	8 1/2"	8 1/2"	Direction				7. Run casing		18.25
Type & manufacture	DBS	HTC	Temperature				8. Cementing		17.75
IADC code	PDC		Barometric pressure millibar				9. Handle Preventors		3.25
Serial number	5996742 RW		Barometer rise / fall				10. Riser, flowline		
Nozzles	14 -14 -14 -14 -14	13 - 13 - 13	Visibility(NM)				11. Logging.		
Depth In (m)	821m	1327m	Sea state				12. Press. test BOP		5.00
Depth Out	1327m	1550m	Swell / Period / Direction				13. Repair rig.		3.75
Drilled (m cum/dly)	506m		Waves / period / direction				14. Service rig.		1.25
Hours (cum/dly)	7¼ / 30¼		Heave				15. Slip / cut drlg line		
Dull grade	Rng		Pitch				16. Drill stem test.		
Average ROP (m/hr)	16.7		Roll				17. Fishing.		
WOB Klbs	5-15		Anchor tension				18. Well control.		
RPM	140		Anchor tension				19. Hang-off.		
Jet velocity	135		Riser tension				21. W.O.Weather		
HHP @ BIT	39		VARIABLE DECK LOAD (Kips)				22. Lost circ.		
BHA No.	2	BHA WEIGHT	STRING WT				23. Plug / Abandon.		
BHA Profile : Bit / NB / Pony/STB/ DC/STB/ 16 xDc/Jars/ 2 x Dc/Xo							24. Mob / Demob		
							25. Handle anchors.		
							26. Position rig.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA						
Jars	DAH 02993	35%	DRAG - UP (mt)				27. Guide base / ROV.		
Nb stab	MDC	30%	DRAG - DOWN (mt)				28. Others		11.50
Stab	MDC	30%	TORQUE-On Bottom (amps)						
Stab	MDC	30%	TORQUE-Off Bottom (amps)						
							TOTAL (HRS)		24.00 212.25

Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	19-Jan-02
PERMIT:	PEP-152	REPORT #	11
RIG:	Mitchell Drilling Rig #150	D.F.S.	10

WELL:	Port Fairy #1	DATE:	19-Jan-02
PERMIT:	PEP-152	REPORT #	11
RIG:	Mitchell Drilling Rig #150	D.F.S.	10

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

Origin Energy Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	18th January 2002
PERMIT:	PEP-152	REPORT #	10
RIG:	Mitchell Drilling Rig #150	D.F.S.	9

WELL:	Port Fairy #1	DATE:	18th January 2002
PERMIT:	PEP-152	REPORT #	10
RIG:	Mitchell Drilling Rig #150	D.F.S.	9

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:							
BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

WELL: Port Fairy #1			DATE: 20-Jan-02						
PERMIT: PEP-152			REPORT # 12						
RIG: Mitchell Drilling Rig #150			D.F.S. 11						
DEPTH 0600 Hrs: 1550.00 m		STATUS @ 06:00 Hrs: Running DST tests.							
TVD: 1550.00 m		FORMATION: Eumerella							
24 HR PROGRESS: -		LAST CASING: 9 5/8 @ 812.0m		SHOE L.O.T.: 13.5 ppg					
HOLE SIZE: 8 1/2"		WD (LAT): N/A		RT - GL / Air gap: 4.5m MAASP: 620 psi					
SURVEYS:									
MUD PROPERTIES		PIT	PIT	CONSUMABLES		FORMATION DATA			
Sample taken @		18:30 / 1550m		Rig	Workboat	Workboat	Name	Eumerella	
Flowline Temp °C		-		Fuel			Lithology		
Weight ppg / SG		9.55 / 1.15		Potable water			Top depth RT.	1369.50 m	
Funnel viscosity.		43		Drill water			Trip gas %		
PV/YP(cp/lb/100ft2)		15 / 25		Barites			Connection Gas %		
Gels 10secs / 10min		4 / 8		Cement			Background gas %		
WL API(cc/30min)		5.8		Gel			ECD (ppg)		
WL HTHP(cc/30min)		-		Base Oil			DRILLS / BOPS		
Cake (1/32")		1.5		PUMPS	1	2	3	LAST BOP DRILL	19/01/02
Solids %		7.0		TYPE	SOILMEC			LAST FIRE DRILL	
Sand %		0.5		STROKE(in)	6			LAST MOB DRILL	
MBT(lb/bbl)		7.0		LINER(in)	6			LAST ABN. RIG DRILL	
PH		9.0		SPM	150			LAST BOP TEST	15/01/02
Chlorides (mg/l)		13,000		GPM	378			BOP TEST DUE	29/01/02
K+ (mg/l)		11,300		AV-DP(Ft/min)	154				
KCl %		2.1		AV-DC(Ft/min)	279			1. Rig up / down.	38.75
PHPA (Calc ppb)		0.9		SPP	1150			2. Drilling.	47.25
Hole volume bbls.		365		SCR @ 36	10bar			3. Reaming.	12.50
Surface volume bbls.		165		SCR @ 64	28bar			4. Trip	35.90
BIT DATA			WEATHER / RIG RESPONSE				5. Circ. / condition.		16.00
Bit Run	3	4	Wind Speed (kts)				6. Deviation survey		1.00
Diameter	8 1/2"	8 1/2"	Direction				7. Run casing		18.25
Type & manufacture	DBS	HTC	Temperature				8. Cementing		17.75
IADC code	PDC		Barometric pressure millibar				9. Handle Preventors		3.25
Serial number	5996742 RW		Barometer rise / fall				10. Riser, flowline		
Nozzles	14 -14 -14 -14 -14	13 - 13 - 13	Visibility(NM)				11. Logging.		11.50 11.50
Depth In (m)	821m	1327m	Sea state				12. Press. test BOP		5.00
Depth Out	1327m	1550m	Swell / Period / Direction				13. Repair rig.		3.75
Drilled (m cum/dly)	506m		Waves / period / direction				14. Service rig.		1.25
Hours (cum/dly)	7¼ / 30¼		Heave				15. Slip / cut drig line		
Dull grade	Rng		Pitch				16. Drill stem test.		10.00 10.00
Average ROP (m/hr)	16.7		Roll				17. Fishing.		
WOB Klbs	5-15		Anchor tension				18. Well control.		
RPM	140		Anchor tension				19. Hang-off.		
Jet velocity	135		Riser tension				21. W.O.Weather		
HHP @ BIT	39		VARIABLE DECK LOAD (Kips)				22. Lost circ.		
BHA No.	2	BHA WEIGHT		STRING WT			23. Plug / Abandon.		
BHA Profile : Refer to Australian D.S.T. sheet.							24. Mob / Demob		
							25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA				26. Position rig.		
			DRAG - UP (mt)				27. Guide base / ROV.		
			DRAG - DOWN (mt)				28. Others		2.50 11.50
			TORQUE-On Bottom (amps)						
			TORQUE-Off Bottom (amps)						
							TOTAL (HRS)		24.00 233.65

Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	20-Jan-02
PERMIT:	PEP-152	REPORT #	12
RIG:	Mitchell Drilling Rig #150	D.F.S.	11

WELL:	Port Fairy #1	DATE:	20-Jan-02
PERMIT:	PEP-152	REPORT #	12
RIG:	Mitchell Drilling Rig #150	D.F.S.	11

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER			OIM	

WELL:			Port Fairy #1			DATE:			21-Jan-02										
PERMIT:			PEP-152			REPORT #			13										
RIG:			Mitchell Drilling Rig #150			D.F.S.			12										
DEPTH 0600 Hrs:		1550.00 m		STATUS @ 06:00 Hrs:		POOH													
TVD:		1550.00 m		FORMATION:		Eumeralla													
24 HR PROGRESS:		-		LAST CASING:		9 5/8		@		812.0m		SHOE L.O.T.:		13.5 ppg					
HOLE SIZE:		8 1/2"		WD (LAT):		N/A		RT - GL / Air gap:		4.5m		MAASP:		620 psi					
SURVEYS:																			
MUD PROPERTIES			PIT		PIT		CONSUMABLES				FORMATION DATA								
Sample taken @			12:30 / 1550m		04:00 / 1513m				Rig		Workboat		Workboat		Name		Eumeralla		
Flowline Temp °C							Fuel								Lithology				
Weight ppg / SG			9.55 / 1.15		9.65 / 1.16		Potable water								Top depth RT.		1369.50 m		
Funnel viscosity.			40		46		Drill water								Trip gas %				
PV/YP(cp/lb/100ft2)			16 / 16		22 / 25		Barites								Connection Gas %				
Gels 10secs / 10min			4 / 8		5 / 10		Cement								Background gas %				
WL API(cc/30min)			5.8		5.4		Gel								ECD (ppg)				
WL HTHP(cc/30min)			-		-		Base Oil								DRILLS / BOPS				
Cake (1/32")			1.5		1.5		PUMPS		1		2		3		LAST BOP DRILL		19/01/02		
Solids %			7.1		7.6		TYPE		SOILMEC						LAST FIRE DRILL				
Sand %			0.50		0.75		STROKE(in)		6						LAST MOB DRILL				
MBT(lb/bbl)			7.0		8.0		LINER(in)		6						LAST ABN. RIG DRILL				
PH			8.5		9.2		SPM		150						LAST BOP TEST		15/01/02		
Chlorides (mg/l)			13,000		20,500		GPM		378						BOP TEST DUE		29/01/02		
K+ (mg/l)			520		320		AV-DP(Ft/min)		154								HRS		
KCl %			2.1		3.7		AV-DC(Ft/min)		279						1. Rig up / down.		38.75		
PHPA (Calc ppb)			1.00		1.10		SPP		1150						2. Drilling.		47.25		
Hole volume bbls.					359		SCR @ 69		28bar						3. Reaming.		12.50		
Surface volume bbls.					205										4. Trip		7.75 43.75		
BIT DATA							WEATHER / RIG RESPONSE					5. Circ. / condition.		1.00		17.00			
Bit Run			3		4		Wind Speed (kts)									6. Deviation survey		1.00	
Diameter			8 1/2"		8 1/2"		Direction									7. Run casing		18.25	
Type & manufacture			DBS		HTC		Temperature									8. Cementing		17.75	
IADC code			PDC				Barometric pressure millibar									9. Handle Preventors		3.25	
Serial number			5996742 RW				Barometer rise / fall									10. Riser, flowline			
Nozzles			14 -14 -14 -14 -14		13 - 13 - 13		Visibility(NM)									11. Logging.		11.50	
Depth In (m)			821m		1327m		Sea state									12. Press. test BOP		5.00	
Depth Out			1327m		1550m		Swell / Period / Direction									13. Repair rig.		3.75	
Drilled (m cum/dly)			506m				Waves / period / direction									14. Service rig.		1.25	
Hours (cum/dly)			7¼ / 30¼				Heave									15. Slip / cut drlg line			
Dull grade			Rng				Pitch									16. Drill stem test.		15.25 25.25	
Average ROP (m/hr)			16.7				Roll									17. Fishing.			
WOB Klbs			5-15				Anchor tension									18. Well control.			
RPM			140				Anchor tension									19. Hang-off.			
Jet velocity			135				Riser tension									21. W.O.Weather			
HHP @ BIT			39				VARIABLE DECK LOAD (Kips)									22. Lost circ.			
BHA No.			2		BHA WEIGHT				STRING WT						23. Plug / Abandon.				
BHA Profile : </																			

Origin Energy Ltd / Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	21-Jan-02
PERMIT:	PEP-152	REPORT #	13
RIG:	Mitchell Drilling Rig #150	D.F.S.	12

WELL:	Port Fairy #1	DATE:	21-Jan-02
PERMIT:	PEP-152	REPORT #	13
RIG:	Mitchell Drilling Rig #150	D.F.S.	12

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

WELL:		Port Fairy #1		DATE:		22-Jan-02			
PERMIT:		PEP-152		REPORT #		14			
RIG:		Mitchell Drilling Rig #150		D.F.S.		13			
DEPTH 0600 Hrs:		1310.00 m		STATUS @ 06:00 Hrs:		RIH , wiper trip			
TVD:		1550.00 m		FORMATION:		Eumeralla			
24 HR PROGRESS:		-		LAST CASING:		9 5/8 @ 812.0m			
HOLE SIZE:		8 1/2"		WD (LAT):		N/A			
				RT - GL / Air gap:		4.5m			
SURVEYS:				SHOE L.O.T.:		13.5 ppg			
				MAASP:		620 psi			
MUD PROPERTIES		PIT	PIT	CONSUMABLES			FORMATION DATA		
Sample taken @			17:00 / 1550m		Rig	Workboat	Workboat	Name	Eumeralla
Flowline Temp °C				Fuel				Lithology	
Weight ppg / SG			9.70 / 1.16	Potable water				Top depth RT.	1369.50 m
Funnel viscosity.			44	Drill water				Trip gas %	
PV/YP(cp/lb/100ft2)			19 / 20	Barites				Connection Gas %	
Gels 10secs / 10min			4 / 6	Cement				Background gas %	
WL API(cc/30min)			5.0	Gel				ECD (ppg)	
WL HTHP(cc/30min)			-	Base Oil				DRILLS / BOPS	
Cake (1/32")			1.5	PUMPS	1	2	3	LAST BOP DRILL	19/01/02
Solids %			8.0	TYPE	SOILMEC			LAST FIRE DRILL	
Sand %			1.25	STROKE(in)	6			LAST MOB DRILL	
MBT(lb/bbl)			8.5	LINER(in)	6			LAST ABN. RIG DRILL	
PH			9.2	SPM	150			LAST BOP TEST	15/01/02
Chlorides (mg/l)			20,500	GPM	378			BOP TEST DUE	29/01/02
K+ (mg/l)			200	AV-DP(Ft/min)	154				
KCl %			2.5	AV-DC(Ft/min)	279			1. Rig up / down.	38.75
PHPA (Calc ppb)			1.10	SPP	1150			2. Drilling.	47.25
Hole volume bbls.			365	SCR @ 69	28bar			3. Reaming.	12.50
Surface volume bbls.			150	SCR @ 36	18bar			4. Trip	5.00 48.75
BIT DATA			WEATHER / RIG RESPONSE					5. Circ. / condition.	1.00 18.00
Bit Run	3	4	Wind Speed (kts)				6. Deviation survey	1.00	
Diameter	8 1/2"	8 1/2"	Direction				7. Run casing	18.25	
Type & manufacture	DBS	GT03	Temperature				8. Cementing	17.75	
IADC code	PDC	HTC	Barometric pressure millibar				9. Handle Preventors	3.25	
Serial number	5996742 RW	L45CV	Barometer rise / fall				10. Riser, flowline		
Nozzles	14 -14 -14 -14 -14	13 - 13 - 13	Visibility(NM)				11. Logging.	11.50	
Depth In (m)	821m	1327m	Sea state				12. Press. test BOP	5.00	
Depth Out	1327m	1550m	Swell / Period / Direction				13. Repair rig.	3.75	
Drilled (m cum/dly)	506m	223m	Waves / period / direction				14. Service rig.	1.25	
Hours (cum/dly)	7¼ / 30¼		Heave				15. Slip / cut drig line		
Dull grade	Rng		Pitch				16. Drill stem test.	18.00 43.25	
Average ROP (m/hr)	16.7		Roll				17. Fishing.		
WOB Klbs	5-15		Anchor tension				18. Well control.		
RPM	140		Anchor tension				19. Hang-off.		
Jet velocity	135		Riser tension				21. W.O.Weather		
HHP @ BIT	39		VARIABLE DECK LOAD (Kips)				22. Lost circ.		
BHA No.	2	BHA WEIGHT		STRING WT					

Origin Energy Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	22-Jan-02
PERMIT:	PEP-152	REPORT #	14
RIG:	Mitchell Drilling Rig #150	D.F.S.	13

WELL:	Port Fairy #1	DATE:	22-Jan-02
PERMIT:	PEP-152	REPORT #	14
RIG:	Mitchell Drilling Rig #150	D.F.S.	13

[illegible]

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:							
BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

WELL:		Port Fairy #1				DATE:		23-Jan-02						
PERMIT:		PEP-152				REPORT #		15						
RIG:		Mitchell Drilling Rig #150				D.F.S.		14						
DEPTH 0600 Hrs:		873.02 m		STATUS @ 06:00 Hrs:		DST #3								
TVD:		1550.00 m		FORMATION:		Eumeralla								
24 HR PROGRESS:		-		LAST CASING:		9 5/8		@	812.0m	SHOE L.O.T.:	13.5 ppg			
HOLE SIZE:		8 1/2"		WD (LAT):		N/A		RT - GL / Air gap:		4.5m	MAASP:	620 psi		
SURVEYS:														
MUD PROPERTIES		PIT		PIT		CONSUMABLES				FORMATION DATA				
Sample taken @						Rig		Workboat		Name		Eumeralla		
Flowline Temp °C						Fuel				Lithology				
Weight ppg / SG						Potable water				Top depth RT.		1369.50 m		
Funnel viscosity.						Drill water				Trip gas %				
PV/YP(cp/lb/100ft ²)						Barites				Connection Gas %				
Gels 10secs / 10min						Cement				Background gas %				
WL API(cc/30min)						Gel				ECD (ppg)				
WL HTHP(cc/30min)						Base Oil				DRILLS / BOPS				
Cake (1/32")						PUMPS		1		2		3	LAST BOP DRILL	19/01/02
Solids %						TYPE		SOILMEC					LAST FIRE DRILL	
Sand %						STROKE(in)		6					LAST MOB DRILL	
MBT(lb/bbl)						LINER(in)		6					LAST ABN. RIG DRILL	
PH						SPM		150					LAST BOP TEST	15/01/02
Chlorides (mg/l)						GPM		378					BOP TEST DUE	29/01/02
K+ (mg/l)						AV-DP(Ft/min)		154					HRS	CUM
KCl %						AV-DC(Ft/min)		279					1. Rig up / down.	38.75
PHPA (Calc ppb)						SPP		1150					2. Drilling.	47.25
Hole volume bbls.						SCR @ 69		28bar					3. Reaming.	3.00 15.50
Surface volume bbls.						SCR @ 36		18bar					4. Trip	5.00 53.75
BIT DATA						WEATHER / RIG RESPONSE				5. Circ. / condition.		2.50 20.50		
Bit Run		3		4		Wind Speed (kts)							6. Deviation survey	1.00
Diameter		8 1/2"		8 1/2"		Direction							7. Run casing	18.25
Type & manufacture		DBS		GT03		Temperature							8. Cementing	17.75
IADC code		PDC		HTC		Barometric pressure millibar							9. Handle Preventors	3.25
Serial number		5996742 RW		L45CV		Barometer rise / fall							10. Riser, flowline	
Nozzles		14 -14 -14 -14		13 -13 -13		Visibility(NM)							11. Logging.	11.50
Depth In (m)		821m		1327m		Sea state							12. Press. test BOP	5.00
Depth Out		1327m		1550m		Swell / Period / Direction							13. Repair rig.	3.75
Drilled (m cum/dly)		506m		223m		Waves / period / direction							14. Service rig.	0.50 1.75
Hours (cum/dly)		7¼ / 30¼				Heave							15. Slip / cut drlg line	
Dull grade		Rng				Pitch							16. Drill stem test.	13.00 56.25
Average ROP (m/hr)		16.7				Roll							17. Fishing.	
WOB Klbs		5-15				Anchor tension							18. Well control.	
RPM		140				Anchor tension							19. Hang-off.	
Jet velocity		135				Riser tension							21. W.O.Weather	
HHP @ BIT		39				VARIABLE DECK LOAD (Kips)							22. Lost circ.	
BHA No.		2		BHA WEIGHT				STRING WT					23. Plug / Abandon.	
BHA Profile :		Refer to DST #3 BHA sheet.											24. Mob / Demob	
													25. Handle anchors.	
DOWNHOLE TOOLS		SERIAL No.		ROT/REAM HRS		DRILLING DATA				26. Position rig.				
						DRAG - UP (mt)							27. Guide base / ROV.	
						DRAG - DOWN (mt)							28. Others	11.50
						TORQUE-On Bottom (amps)								
						TORQUE-Off Bottom (amps)								

Origin Energy Ltd / Essential Petroleum Resources Limited. DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	23-Jan-02
PERMIT:	PEP-152	REPORT #	15
RIG:	Mitchell Drilling Rig #150	D.F.S.	14

WELL:	Port Fairy #1	DATE:	23-Jan-02
PERMIT:	PEP-152	REPORT #	15
RIG:	Mitchell Drilling Rig #150	D.F.S.	14

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OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)
PERSONNEL ON RIG		TRANSPORTATION					
OPERATOR	OCA		NAME	LOCATION			
DRILLING CONT.	MDC	WORKBOAT					
SERVICE COMPS		WORKBOAT					
OTHER		STANDBY BOAT					
		HELICOPTER					
TOTAL		HELICOPTER					
SUPERVISOR(S)	W.J. WESTMAN		ENGINEER		OIM		

Origin Energy Ltd / Essential Petroleum Resources Limited. Daily Drilling Report

WELL:	Port Fairy #1
PERMIT:	PEP-152
RIG:	Mitchell Drilling Rig #150

DATE:	24-Jan-02
REPORT #	16
D.F.S.	15

DEPTH 0600 Hrs:	-	STATUS @ 06:00 Hrs:	Monitoring well pressure.	
TVD:	1550.00 m	FORMATION:	Eumerella	
24 HR PROGRESS:	-	LAST CASING:	9 5/8 @ 812.0m	SHOE L.O.T.: 13.5 ppg
HOLE SIZE:	8 1/2"	WD (LAT):	N/A	RT - GL / Air gap: 4.5m MAASP: 620 psi
SURVEYS:				

MUD PROPERTIES			PIT	PIT	CONSUMABLES				FORMATION DATA			
Sample taken @						Rig	Workboat	Workboat	Name	Eumerella		
Flowline Temp °C					Fuel				Lithology			
Weight ppg / SG					Potable water				Top depth RT.	1369.50 m		
Funnel viscosity.					Drill water				Trip gas %			
PV/YP(cp/lb/100ft2)					Barites				Connection Gas %			
Gels 10secs / 10min					Cement				Background gas %			
WL API(cc/30min)					Gel				ECD (ppg)			
WL HTHP(cc/30min)					Base Oil				DRILLS / BOPS			
Cake (1/32")					PUMPS	1	2	3	LAST BOP DRILL		19/01/02	
Solids %					TYPE	SOILMEC			LAST FIRE DRILL			
Sand %					STROKE(in)	7			LAST MOB DRILL			
MBT(lb/bbl)					LINER(in)	7			LAST ABN. RIG DRILL			
PH					SPM	150			LAST BOP TEST		15/01/02	
Chlorides (mg/l)					GPM				BOP TEST DUE		29/01/02	
K+ (mg/l)					AV-DP(Ft/min)	154				HRS	CUM	
KCl %					AV-DC(Ft/min)	279			1. Rig up / down.		38.75	
PHPA (Calc ppb)					SPP	1150			2. Drilling.		47.25	
Hole volume bbls.					SCR @ 69	28bar			3. Reaming.		15.50	
Surface volume bbls.					SCR @ 36	18bar			4. Trip		53.75	
BIT DATA				WEATHER / RIG RESPONSE					5. Circ. / condition.		1.75	22.25
Bit Run		3	4	Wind Speed (kts)					6. Deviation survey			1.00
Diameter		8 1/2"	8 1/2"	Direction					7. Run casing		10.50	28.75
Type & manufacture		DBS	GT03	Temperature					8. Cementing		1.75	19.50
IADC code		PDC	HTC	Barometric pressure millibar					9. Handle Preventors			3.25
Serial number		5996742 RW	L45CV	Barometer rise / fall					10. Riser, flowline			
Nozzles		14 -14 -14 -14 -14	13 - 13 - 13	Visibility(NM)					11. Logging.			11.50
Depth In (m)		821m	1327m	Sea state					12. Press. test BOP			5.00
Depth Out		1327m	1550m	Swell / Period / Direction					13. Repair rig.			3.75
Drilled (m cum/dly)		506m	223m	Waves / period / direction					14. Service rig.			1.75
Hours (cum/dly)		7¼ / 30¼		Heave					15. Slip / cut drlg line			
Dull grade		Rng		Pitch					16. Drill stem test.		9.00	65.25
Average ROP (m/hr)		16.7		Roll					17. Fishing.			
WOB Klbs		5-15		Anchor tension					18. Well control.			
RPM		140		Anchor tension					19. Hang-off.			
Jet velocity		135		Riser tension					21. W.O.Weather			
HHP @ BIT		39		VARIABLE DECK LOAD (Kips)					22. Lost circ.			
BHA No.		2	BHA WEIGHT				STRING WT		23. Plug / Abandon.			
BHA Profile :				Refer to DST #3 BHA sheet.					24. Mob / Demob			
									25. Handle anchors.			
DOWNHOLE TOOLS		SERIAL No.	ROT/REAM HRS	DRILLING DATA					26. Position rig.			
				DRAG - UP (mt)					27. Guide base / ROV.			
				DRAG - DOWN (mt)					28. Others			11.50
				TORQUE-On Bottom (amps)								
				TORQUE-Off Bottom (amps)								
									TOTAL (HRS)		23.00	328.75

Origin Energy Ltd / Essential Petroleum Resources Limited.
DAILY DRILLING REPORT

WELL:	Port Fairy #1	DATE:	24-Jan-02
PERMIT:	PEP-152	REPORT #	16
RIG:	Mitchell Drilling Rig #150	D.F.S.	15

WELL:	Port Fairy #1	DATE:	24-Jan-02
PERMIT:	PEP-152	REPORT #	16
RIG:	Mitchell Drilling Rig #150	D.F.S.	15

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OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

BULK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(lt)	HELI FUEL(lt)

PERSONNEL ON RIG		TRANSPORTATION				
OPERATOR	OCA		NAME	LOCATION		
DRILLING CONT.	MDC	WORKBOAT				
SERVICE COMPS		WORKBOAT				
OTHER		STANDBY BOAT				
		HELICOPTER				
TOTAL		HELICOPTER				
SUPERVISOR(S)	W.J. WESTMAN	ENGINEER			OIM	