

# Origin Energy Petroleum Ltd / Essential Petroleum Resources Limited.

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	9.01.02
<b>PERMIT:</b>	Vic P-152	<b>REPORT #</b>	1
<b>RIG:</b>	Mitchell Drilling Rig #50	<b>D.F.S.</b>	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/100ft <sup>2</sup> )		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				<b>DRILLS / BOPS</b>	
Solids %		<b>PUMPS</b>	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)					<b>HRS</b>
Surface volume bbls.		AV-DC(Ft/min)				1. Rig up / down.	<b>CUM</b>
		SPP(kPa/psi)				2. Drilling.	24
		SCR @ 40				3. Reaming.	24
		SCR @ 50				4. Trip	
<b>BIT DATA</b>		<b>WEATHER / RIG RESPONSE</b>				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 drtg 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				20. W.O.Weather	
HHP @ BIT		<b>VARIABLE DECK LOAD (Kips)</b>				21. Lost circ.	
<b>BHA No.</b>		<b>BHA WEIGHT</b>		<b>STRING WT</b>		22. Plug / Abandon.	
<b>BHA Profile :</b>						23. Mob / Demob	
						24. Handle anchors.	
						25. Position rig.	
						26. Guide base / ROV.	
						27. TOTAL (HRS)	24
							24



# ORIGIN ENERGY PETROLEUM LTD

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	10.01.02
<b>PERMIT:</b>	Vic P-152	<b>REPORT #</b>	2
<b>RIG:</b>	Mitchell Drilling Rig #150	<b>D.F.S.</b>	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: 4.65 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/100ft <sup>2</sup> )		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	
Solids %		<b>PUMPS</b>	<b>DRILLS / BOPS</b>
Sand %		1 2 3	LAST BOP DRILL
Chlorides (mg/l)		TYPE	LAST FIRE DRILL
KCl %		STROKE(in)	LAST MOB DRILL
MBT (lb/bbl)		LINER(in)	LAST ABN. RIG DRILL
Flowline Temp °C		SPM	LAST BOP TEST
Hole volume bbls.		LPM	BOP TEST DUE
Surface volume bbls.		AV-DP(Ft/min)	
		AV-DC(Ft/min)	HRS CUM
		SPP(kPa/psi)	1. Rig up / down.
		SCR @ 40	2. Drilling. 3.00
		SCR @ 50	3. Reaming. 3½
			4. Trip 1.00
			5. Circ. / condition. 1.00
			6. Deviation survey
			7. Run casing 6.00
			8. Cementing 2.00
			9. Handle Preventors
			10. Marine riser.
			11. Logging.
			12. Press. test BOP
			13. Repair rig.
			14. Service rig.
			15. Slip / cut drtg line
			16. Drill stem test.
			17. Fishing.
			18. Well control.
			19. Hang-off.
			20. W.O.Weather
			21. Lost circ.
			22. Plug / Abandon.
			23. Mob / Demob
			24. Handle anchors.
			25. Position rig.
			26. Guide base / ROV.
			27. Others ½
			28. Others
			<b>TOTAL (HRS)</b> 17.00 0



# Origin Energy Petroleum Ltd / Essential Petroleum Resources Limited.

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	11.01.02
<b>PERMIT:</b>	Vic P-152	<b>REPORT #</b>	3
<b>RIG:</b>	Mitchell Drilling Rig #150	<b>D.F.S.</b>	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 @
HOLE SIZE:	17½"	WD (LAT):	RT - GL / Air gap: 4.5
SURVEYS:		SHOE L.O.T.:	
		MAASP:	

MUD PROPERTIES	ADDITIVES	CONSUMABLES	FORMATION DATA	
Density (ppg)		Rig	Name	
Funnel viscosity.		Workboat	Lithology	
PH		Workboat	Top depth RT.	
PV/YP(cp/lb/100ft <sup>2</sup> )			Trip gas %	
Gels 10secs / 10min			Connection Gas %	
WL API(cc/30min)			Background gas %	
WL HTHP(cc/30min)			ECD (ppg)	
Cake (1/16")			<b>DRILLS / BOPS</b>	
Solids %		<b>PUMPS</b>	LAST BOP DRILL	
Sand %		1	LAST FIRE DRILL	
Chlorides (mg/l)		2	LAST MOB DRILL	
KCl %		3	LAST ABN. RIG DRILL	
MBT (lb/bbl)			LAST BOP TEST	
Flowline Temp °C			BOP TEST DUE	
Hole volume bbls.				<b>HRS</b>
Surface volume bbls.				<b>CUM</b>
			1. Rig up / down.	6.00
			2. Drilling.	3.00
			3. Reaming.	5.50
			4. Trip	3.75
			5. Circ. / condition.	18.25
			6. Deviation survey	18.25
			7. Run casing	2.00
			8. Cementing	1.00
			9. Handle Preventors	21.25
			10. Marine riser.	21.25
			11. Logging.	21.25
			12. Press. test BOP	21.25
			13. Repair rig.	21.25
			14. Service rig.	0.25
			15. Slip / cut drtg line	21.50
			16. Drill stem test.	21.50
			17. Fishing.	21.50
			18. Well control.	21.50
			19. Hang-off.	21.50
			20. W.O.Weather	21.50
			21. Lost circ.	21.50
			22. Plug / Abandon.	21.50
			23. Mob / Demob	21.50
			24. Handle anchors.	21.50
			25. Position rig.	21.50
			26. Guide base / ROV.	21.50
			27. Others	2.50
				24.00
			<b>TOTAL (HRS)</b>	24.00







# Origin Energy Ltd / Essential Petroleum Resources Limited.

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	13.01.02
<b>PERMIT:</b>	Vic P-152	<b>REPORT #</b>	5
<b>RIG:</b>	Mitchell Drilling Rig #150	<b>D.F.S.</b>	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	SHOE L.O.T.: N/A
HOLE SIZE:	12 1/4"	WD (LAT):	N/A	MAASP: N/A
SURVEYS:	Survey @ 450m 1 deg			

MUD PROPERTIES			CONSUMABLES			FORMATION DATA			
Sample taken @	09:00 / 245m	23:30 / 548		Rig	Workboat	Workboat	Name	Top Progrades	
Flowline Temp °C	-	-	Fuel				Lithology		
Weight ppg / SG	9.1 / 1.09	9.25 / 1.11	Potable water				Top depth RT.	633.50 m	
Funnel viscosity.	49	38	Drill water				Trip gas %		
PV/YP(cp/lb/100ft2)	28	14	Baries				Connection Gas %		
Gels 10secs / 10min	22 / 35	4 / 21	Cement				Background gas %		
WL API(cc/30min)	N/C	10	Gel				ECD (ppg)		
WL HTHP(cc/30min)	-	-	Base Oil				DRILLS / BOPS		
Cake (1/32")	-	-	PUMPS	1	2	3	LAST BOP DRILL		
Solids %	5.7	6.8	TYPE	SOILMEC			LAST FIRE DRILL		
Sand %	.75	1	STROKE(in)	7"			LAST MOB DRILL		
MBT(lb/bbl)	25	25	LINER(in)	7"			LAST ABN. RIG DRILL		
PH	9.5	8.5	SPM	140			LAST BOP TEST		
Chlorides (mg/l)	1000	1500	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.	17.50	28.00
Hole volume bbls.			SCR @ 40				3. Reaming.		
Surface volume bbls.	237	190	SCR @ 50				4. Trip		6.75
BIT DATA			WEATHER / RIG RESPONSE						
Bit Run	2		Wind Speed (kts)				5. Circ. / condition.		
Diameter	12 1/4"		Direction				6. Deviation survey	1.00	
Type & manufacture	122ETRIGMPS VAREL		Temperature				7. Run casing		9.50
IADC code			Barometric pressure millibar				8. Cementing		8.75
Serial number	165767		Barometer rise / fall				9. Handle Preventors		
Nozzles	16-16-20		Visibility(NM)				10. Marine riser.		
Depth In (m)	78m		Sea state				11. Logging.		
Depth Out	-		Swell / Period / Direction				12. Press. test BOP		
Drilled (m cum/dly)			Waves / period / direction				13. Repair rig.		1.50
Hours (cum/dly)			Heave				14. Service rig.		0.25
Dull grade			Pitch				15. Slip / cut drlg line		
Average ROP (m/hr)			Roll				16. Drill stem test.		
WOB Klbs			Anchor tension				17. Fishing.		
RPM			Anchor tension				18. Well control.		
Jet velocity			Riser tension				19. Hang-off.		
HHP @ BIT			VARIABLE DECK LOAD (Kips)				20. W.O.Weather		
BHA No.	1	BHA WEIGHT		STRING WT			21. Lost circ.		
BHA Profile : 12.25" BIT - 2x8"DC - 1x8"STAB. - XOVER - 16x6.25"DC - JARS - XOVER - 3.5"DRILL PIPE							22. Plug / Abandon.		
							23. Mob / Demob		
							24. Handle anchors.		
							25. Position rig.		
							26. Guide base / ROV.		
							27. Others	5.50	8.50
							28. TORQUE-On Bottom (amps)		
							28. TORQUE-Off Bottom (amps)		
							<b>TOTAL (HRS)</b>	<b>24.00</b>	<b>102.00</b>



# Essential Petroleum Resources Limited.

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	14.01.02
<b>PERMIT:</b>	Vic P-152	<b>REPORT #</b>	6
<b>RIG:</b>	Mitchell Drilling Rig #150	<b>D.F.S.</b>	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
SURVEYS:	Survey @ 821m Misrun		
		RT - GL / Air gap:	4.5m
		SHOE L.O.T.:	N/A
		MAASP:	N/A

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/100ft <sup>2</sup> )	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				<b>DRILLS / BOPS</b>		
Cake (1/32")	-	-	<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	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				<b>HRS</b>	<b>CUM</b>
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
							5. Circ. / condition.	5.00	5.00
							6. Deviation survey		
							7. Run casing	3.50	13.00
							8. Cementing		8.75
							9. Handle Preventors		
							10. Marine riser.		
							11. Logging.		
							12. Press. test BOP		
							13. Repair rig.		1.50
							14. Service rig.		0.25
							15. Slip / cut drlg line		
							16. Drill stem test.		
							17. Fishing.		
							18. Well control.		
							19. Hang-off.		
							21. W.O.Weather		
							22. Lost circ.		
							23. Plug / Abandon.		
							24. Mob / Demob		
							25. Handle anchors.		
							26. Position rig.		
							27. Guide base / ROV.		
							28. Others	1.75	10.25
							<b>TOTAL (HRS)</b>	<b>24.00</b>	<b>126.00</b>





 <b>Essential Petroleum Resources Limited.</b> <b>Daily Drilling Report</b>										
<b>WELL:</b>	Port Fairy #1				<b>DATE:</b>	15.01.02				
<b>PERMIT:</b>	PEP-152				<b>REPORT #</b>	7				
<b>RIG:</b>	Mitchell Drilling Rig #150				<b>D.F.S.</b>	6				
<b>DEPTH 0600 Hrs:</b>	Surface			<b>STATUS @ 06:00 Hrs:</b>	Nipple up BOP's & associated equipment					
<b>TVD:</b>	821.00 m			<b>FORMATION:</b>	N/A					
<b>24 HR PROGRESS:</b>	N/A		<b>LAST CASING:</b>	9 5/8 @ 812.0m		<b>SHOE L.O.T.:</b>	N/A			
<b>HOLE SIZE:</b>	12 1/4"		<b>WD (LAT):</b>	N/A		<b>RT - GL / Air gap:</b>	4.5m		<b>MAASP:</b>	N/A
<b>SURVEYS:</b>										
<b>MUD PROPERTIES</b>	<b>FL</b>	<b>PIT</b>	<b>CONSUMABLES</b>				<b>FORMATION DATA</b>			
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 <sup>2</sup> )		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				<b>DRILLS / BOPS</b>			
Cake (1/32")		-	<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	LAST BOP DRILL			
Solids %		6.8	TYPE	SOILMEC			LAST FIRE DRILL			
Sand %		0.75	STROKE(in)	7"			LAST MOB DRILL			
MBT(lb/bbl)		15	LINER(in)	7"			LAST ABN. RIG DRILL			
PH		9.0	SPM	140			LAST BOP TEST			
Chlorides (mg/l)		1000	GPM	480			BOP TEST DUE			
KCl %		-	AV-DP(Ft/min)	83				<b>HRS</b>	<b>CUM</b>	
PHPA (Calc ppb)		-	AV-DC(Ft/min)	102			1. Rig up / down.		38.75	
			SPP(kPa/psi)	367			2. Drilling.		31.75	
Hole volume bbls.		185	SCR @ 40				3. Reaming.			
Surface volume bbls.		-	SCR @ 50				4. Trip		16.75	
<b>BIT DATA</b>			<b>WEATHER / RIG RESPONSE</b>				5. Circ. / condition.	2.00	7.00	
Bit Run	2		Wind Speed (kts)				6. Deviation survey			
Diameter	12 1/4"		Direction				7. Run casing	5.25	18.25	
Type & manufacture	122ETRIGMPS VAREL		Temperature				8. Cementing	9.00	17.75	
IADC code			Barometric pressure millibar				9. Handle Preventors			
Serial number	165767		Barometer rise / fall				10. Riser, flowline	7.75		
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			<b>VARIABLE DECK LOAD (Kips)</b>				22. Lost circ.			
BHA No.	1	BHA WEIGHT			<b>STRING WT</b>		23. Plug / Abandon.			
<b>BHA Profile :</b>							24. Mob / Demob			
							25. Handle anchors.			
<b>DOWNHOLE TOOLS</b>	<b>SERIAL No.</b>	<b>ROT/REAM HRS</b>	<b>DRILLING DATA</b>				26. Position rig.			
			DRAG - UP (mt)				27. Guide base / ROV.			
			DRAG - DOWN (mt)				28. Others		10.25	
			TORQUE-On Bottom (amps)							
			TORQUE-Off Bottom (amps)							
							<b>TOTAL (HRS)</b>	<b>24.00</b>	<b>142.25</b>	









# Origin Energy Ltd / Essential Petroleum Resources Limited.

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	18-Jan-02
<b>PERMIT:</b>	PEP-152	<b>REPORT #</b>	10
<b>RIG:</b>	Mitchell Drilling Rig #150	<b>D.F.S.</b>	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
SURVEYS:	3.5deg @ 1327m		
		RT - GL / Air gap:	4.5m
		SHOE L.O.T.:	13.5 ppg
		MAASP:	620 psi

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			
KCl %	5.1	4.2		AV-DC(Ft/min)	279			
PHPA (Calc ppb)	1.18	1.16		SPP	1150			
Hole volume bbls.	278			SCR @ 36	10bar			
Surface volume bbls.	160			SCR @ 64	28bar			
BIT DATA			WEATHER / RIG RESPONSE					
Bit Run	3	4		Wind Speed (kts)	10	5		
Diameter	8 1/2"	8 1/2"		Direction	SE	SE		
Type & manufacture	DBS	HTC		Temperature	18			
IADC code	PDC			Barometric pressure millibar				
Serial number	5996742 RW			Barometer rise / fall				
Nozzles	14 -14 -14 -14 -14			Visibility(NM)				
Depth In (m)	821m	1327m		Sea state				
Depth Out	1327m			Swell / Period / Direction				
Drilled (m cum/dly)	506m			Waves / period / direction				
Hours (cum/dly)	7¼ / 30¼			Heave				
Dull grade	Ring			Pitch				
Average ROP (m/hr)	16.7			Roll				
WOB Klbs	5-15			Anchor tension				
RPM	140			Anchor tension				
Jet velocity	135			Riser tension				
HHP @ BIT	39			VARIABLE DECK LOAD (Kips)				
BHA No.	2	BHA WEIGHT		STRING WT				
BHA Profile : Bit / NB / Pony/STB/ DC/STB/ 16 xDc/Jars/ 2 x Dc./Xo								
DOWNHOLE TOOLS			DRILLING DATA					
Jars	SERIAL No.	ROT/REAM HRS		DRAG - UP (mt)				
Nb stab	MDC	30¼		DRAG - DOWN (mt)				
Slab	MDC	30¼		TORQUE-On Bottom (amps)				
Slab	MDC	30¼		TORQUE-Off Bottom (amps)				
<b>TOTAL (HRS)</b>							<b>24.00</b>	<b>195.40</b>

# Essential Petroleum Resources Limited.

## Daily Drilling Report

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

<b>DEPTH 0600 Hrs:</b>	1550.00 m	<b>STATUS @ 06:00 Hrs:</b>	Preparing to rig Schlumberger up.
<b>TVD:</b>	1550.00 m	<b>FORMATION:</b>	Eumerella
<b>24 HR PROGRESS:</b>	223.00 m	<b>LAST CASING:</b>	9 5/8 @ 812.0m
<b>HOLE SIZE:</b>	8 1/2"	<b>WD (LAT):</b>	N/A
		<b>RT - GL / Air gap:</b>	4.5m
<b>SURVEYS:</b>		<b>SHOE L.O.T.:</b>	13.5 ppg
		<b>MAASP:</b>	620 psi

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 %	
PVYP(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				<b>DRILLS / BOPS</b>	
Cake (1/32")	1.5	1.5	<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	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				<b>HRS</b>
KCl %	4.3	4.0	AV-DC(Ft/min)	279			1. Rig up / down.	<b>CUM</b>
PHPA (Calc ppb)	1.23	1.22	SPP	1150			2. Drilling.	11.50
Hole volume bbls.	346		SCR @ 36	10bar			3. Reaming.	2.50
Surface volume bbls.	150		SCR @ 64	28bar			4. Trip	7.00
							5. Circ. / condition.	3.00
							6. Deviation survey	1.00
							7. Run casing	18.25
							8. Cementing	17.75
							9. Handle Preventors	3.25
							10. Riser, flowline	
							11. Logging.	
							12. Press. test BOP	5.00
							13. Repair rig.	3.75
							14. Service rig.	1.25
							15. Slip / cut drlg line	
							16. Drill stem test.	
							17. Fishing.	
							18. Well control.	
							19. Hang-off.	
							21. W.O.Weather	
							22. Lost circ.	
							23. Plug / Abandon.	
							24. Mob / Demob	
							25. Handle anchors.	
							26. Position rig.	
							27. Guide base / ROV.	
							28. Others	11.50
							<b>TOTAL (HRS)</b>	<b>24.00</b>
								<b>212.25</b>

DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	DRILLING DATA		
Jars	DAH 02993	35%	DRAG - UP (mt)		
Nb slab	MDC	30%	DRAG - DOWN (mt)		
Stab	MDC	30%	TORQUE-On Bottom (amps)		
Stab	MDC	30%	TORQUE-Off Bottom (amps)		

**BHA No.** 2      **BHA WEIGHT**      **STRING WT**

**BHA Profile :** Bit / NB / Pony/STB/ DC/STB/ 16 xDc/Jars/ 2 x Dc/Xo









# Origin Energy Ltd / Essential Petroleum Resources Limited.

## Daily Drilling Report

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

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/100ft <sup>2</sup> )	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				<b>DRILLS / BOPS</b>	
Cake (1/32")	1.5	1.5	<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	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				<b>HRS</b> <b>CUM</b>
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
<b>BIT DATA</b>			<b>WEATHER / RIG RESPONSE</b>					
Bit Run	3	4	Wind Speed (kts)				5. Circ. / condition.	1.00      17.00
Diameter	8 1/2"	8 1/2"	Direction				6. Deviation survey	1.00
Type & manufacture	DBS	HTC	Temperature				7. Run casing	18.25
IADC code	PDC		Barometric pressure millibar				8. Cementing	17.75
Serial number	5996742 RW		Barometer rise / fall				9. Handle Preventors	3.25
Nozzles	14 -14 -14 -14 -14	13 - 13 - 13	Visibility(NM)				10. Riser, flowline	
Depth In (m)	821m	1327m	Sea state				11. Logging.	11.50
Depth Out	1327m	1550m	Swell / Period / Direction				12. Press. test BOP	5.00
Drilled (m cum/dly)	506m		Waves / period / direction				13. Repair rig.	3.75
Hours (cum/dly)	7¼ / 30¼		Heave				14. Service rig.	1.25
Dull grade	Ring		Pitch				15. Slip / cut drlg line	
Average ROP (m/hr)	16.7		Roll				16. Drill stem test.	15.25      25.25
WOB Klbs	5-15		Anchor tension				17. Fishing.	
RPM	140		Anchor tension				18. Well control.	
Jet velocity	135		Riser tension				19. Hang-off.	
HHP @ BIT	39		<b>VARIABLE DECK LOAD (Kips)</b>				21. W.O.Weather	
<b>BHA No.</b>	<b>2</b>	<b>BHA WEIGHT</b>		<b>STRING WT</b>			22. Lost circ.	
<b>BHA Profile :</b> 8 1/2" HTC bit - Drill collors - Drill pipe							23. Plug / Abandon.	
<b>DOWNHOLE TOOLS</b>	<b>SERIAL No.</b>	<b>ROT/REAM HRS</b>	<b>DRILLING DATA</b>				24. Mob / Demob	
			DRAG - UP (mt)				25. Handle anchors.	
			DRAG - DOWN (mt)				26. Position rig.	
			TORQUE-On Bottom (amps)				27. Guide base / ROV.	
			TORQUE-Off Bottom (amps)				28. Others	11.50
							<b>TOTAL (HRS)</b>	<b>24.00      257.75</b>



# Origin Energy Ltd / Essential Petroleum Resources Limited.

## Daily Drilling Report

<b>WELL:</b>	Port Fairy #1	<b>DATE:</b>	22-Jan-02
<b>PERMIT:</b>	PEP-152	<b>REPORT #</b>	14
<b>RIG:</b>	Mitchell Drilling Rig #150	<b>D.F.S.</b>	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
SURVEYS:		RT - GL / Air gap:	4.5m
		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				<b>DRILLS / BOPS</b>	
Cake (1/32")		1.5	<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	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				<b>HRS</b>
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
<b>BIT DATA</b>			<b>WEATHER / RIG RESPONSE</b>					
Bit Run	3	4	Wind Speed (kts)				5. Circ. / condition.	1.00 18.00
Diameter	8 1/2"	8 1/2"	Direction				6. Deviation survey	1.00
Type & manufacture	DBS	GT03	Temperature				7. Run casing	18.25
IADC code	PDC	HTC	Barometric pressure millibar				8. Cementing	17.75
Serial number	5996742 RW	L45CV	Barometer rise / fall				9. Handle Preventors	3.25
Nozzles	14 - 14 - 14 - 14 - 14	13 - 13 - 13	Visibility(NM)				10. Riser, flowline	
Depth In (m)	821m	1327m	Sea state				11. Logging.	11.50
Depth Out	1327m	1550m	Swell / Period / Direction				12. Press. test BOP	5.00
Drilled (m cum/dly)	506m	223m	Waves / period / direction				13. Repair rig.	3.75
Hours (cum/dly)	7¼ / 30¼		Heave				14. Service rig.	1.25
Dull grade	Ring		Pitch				15. Slip / cut drlg line	
Average ROP (m/hr)	16.7		Roll				16. Drill stem test.	18.00 43.25
WOB Klbs	5-15		Anchor tension				17. Fishing.	
RPM	140		Anchor tension				18. Well control.	
Jet velocity	135		Riser tension				19. Hang-off.	
HHP @ BIT	39		<b>VARIABLE DECK LOAD (Kips)</b>				20. W.O.Weather	
<b>BHA No.</b>	<b>2</b>	<b>BHA WEIGHT</b>		<b>STRING WT</b>			21. Lost circ.	
<b>BHA Profile :</b>			8 1/2" HTC bit - Drill collors - Drill pipe					
<b>DOWNHOLE TOOLS</b>	<b>SERIAL No.</b>	<b>ROT/REAM HRS</b>	<b>DRILLING DATA</b>					
			DRAG - UP (mt)				22. Plug / Abandon.	
			DRAG - DOWN (mt)				23. Mob / Demob	
			TORQUE-On Bottom (amps)				24. Handle anchors.	
			TORQUE-Off Bottom (amps)				25. Position rig.	
							26. Position rig.	
							27. Guide base / ROV.	
							28. Others	11.50
							<b>TOTAL (HRS)</b>	<b>24.00</b> <b>281.75</b>









