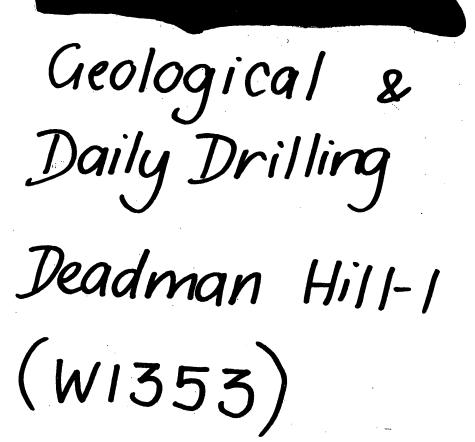
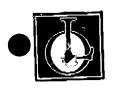


PAGE I OF 92



Jacobnum Hill - / Gardesical + Drilling Region



LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

915149 002

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 31 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

6

(Including this one)

MESSAGE:

Please find attached Daily Drilling Reports for the Deadman Hill No. 1 Stratigraphic Core Hole.



(A.C.N. 004 247 214)

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P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566 Melbourne, Vic. 3000 Fax: (03) 9629 1624

Deadman Hill Location Longford Vic.

915149 003

30th May 2002

Daily Report No. 19 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 30.5.02 Recovered core#2 827-839 m. Recovered 9 m (75%)

Next 24 hrs Suspend hole, commence rig move to Protea#1 location.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 19

Date: 30-05-2002

Depth: 839m

Progress:0m

Days from Spud: 19

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Homer

Last Casing:

7' at 549m

Comments:

POOH with core #2 827-839m (Cut 12m. Rec 9m. (75%)). .

Interval (mRT)	Hydrocarbon Show Summary	Gas
Interval (max)	No new formation drilled	
1		

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface	Surface	Surface	0
	4	25	+35	21 Low
	84	82	-22	2 High
	96	101	-41	5 Low
	371	554	-494	183 Low
	497	764	-704	267 Low
	600	839	-779	239 Low

^{*}Provisional, based on mudlog

CORF#2

CORE No.2 827.0 to 839.0m. Cut 12m. Rec 9.0m. (75%).

Note: missing section of core although deleted from bottom of the cored interval, is believed to be missing from several intervals throughout the core length. The core shows many rotational surfaces.

827.0 to 828.35 m.

Massive Claystone (100%).

CLAYSTONE: very dark grey, very silty, very carbonaceous, trace micromica, firm, non fissile. Occasional slickensided surfaces, no visible bedding or sedimentary structure.

828.35 to 832.5m.

Sandstone (50%) with finely interbedded interlaminated and grading to Claystone (50%). SANDSTONE: light to medium grey, very fine to medium, occasional to common clay clasts to 4mm, angular to subrounded, dominantly subangular, poorly sorted, weak silica cement, composed of altered feldspars, grey green claystone clasts, minor quartz grains, trace to abundant black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence.

CLAYSTONE: very dark grey, very silty, very carbonaceous, trace micromica, firm, non fissile, grading to CLAYSTONE: light to medium grey to grey brown, moderately to very silty, common to abundant black coaly detritus, occasionally very arenaceous with altered feldspar grains, trace micromica, firm, non fissile.

Bedding 0-5 degrees, common diffused bedding (dewatering?), common sedimentary bedding.

832.5 to 834.1m.

Massive Sandstone (100%)

SANDSTONE: light grey, occasionally light greenish grey, very fine to rarely medium, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, weak silica cement, nil to strong calcareous cement, common off white argillaceous matrix, composed of altered feldspar grains with common quartz and green grey black lithics, trace orange red lithics, trace brown and clear mica flakes, common to abundant black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence. Bedding 0-5 degrees, common diffused bedding (dewatering?).

834.1 to 836.0m.

Sandstone (50%) interbedded, interlaminanted and grading to Claystone (50%). SANDSTONE: light grey to slightly greenish grey, very fine to fine, dominantly fine, angular to subrounded, dominantly subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, occasionally abundant light to medium grey argillaceous matrix, composed of feldspar grains with common quartz and grey green black lithics, trace red orange lithics, trace clear and brown mica flakes, abundant black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence. CLAYSTONE: light to medium grey to grey brown, moderately to very silty, common to abundant black coaly detritus, occasionally very arenaceous with altered feldspar grains, trace micromica, firm, non fissile, grading to CLAYSTONE: very dark grey, very silty, very carbonaceous, trace to common micromica, firm, non fissile.

Bedding 0-8 degrees, common diffused bedding (dewatering?), common sedimentary bedding.

*				kes (
			Daily D	ruung	Report				
MELL. T	Deadman Hilli						DATE:	29-May-02	
.,							REPORT#	19	
	PEP-157						D.F.S.	18	
RIG:	Sides Engineerin			••••					
DEPTH 0600 Krs:	839.00 m		STATUS @ 06:00 H	irs:	RIH to core.				
TVD:	839.00 m		FORMATION:		Strezlecki?				
24 HR PROGRESS:	0.00 m	LAST CASING:	7	@	548.5m		SHOE LO.T.:		
HOLE SIZE:	6-1/8"	WD (LAT):		ŀ	रा - GL / Air gap:[MAASP:		
SURVEYS:									
MUD PROP	ERTIÉS			CONSU	MABLES		(TION DATA	-114
Sample taken @	832			Rig	Workboal	Workboat	Name	Strezio	
Flowline Temp *C			Fuel		1		Lithology	Mudsione 764 00	
Weight ppg / 5G	9.5		Potable water				Top depth RT.	764.00	
Funnel viscosity.	38		Drill water		+		Trip gas %	0	
PV/YP(cp/lb/10002)			Baritos		 		Connection Gas %	- 0	
Gels 10secs / 10min		<u> </u>	Cement		1		Background gas % ECD (ppg)	9.5	
WL API(cc/30min)			Gel Boso Oil		+			S / BOPS	
WL HTHP(cc/30min)			PUMPS	1	2	3	LAST BOP DRILL		20-May
Cake (1/32")			TYPE TYPE	Clark	+		LAST FIRE DRILL		
Solids %	 	 	STROKE(In)	10	+		LAST MOB DRILL		
Sand %	-		LINER(In)	5 1/2	 		LAST ABN. RIG DRILL	-	-
MBT(Ib/bbl)	 	-	SPM SPM	41	+		LAST BOP TEST		20-May
PH Chlorides (mg/l)		 	GPM GPM	192	 		BOP TEST DUE		27-May
Chlorides (mg/l)	6		AV-DP(Ft/min)	160	1			HR\$	CUM
PHPA (Calc ppb)	1/2		AV-DC(Ft/min)		1		1. Rlg up / down.		28.00
, r. (Gaic ppu)			SPP(kPa/psi)		 		2. Orilling.		44.50
Hole volume bbls.	98 / 77		SCR @ 40				3, Resming.		5.50
Surface volume bbls.	40		SCR @ 50				4. Trip	7.00	44.50
	BIT DATA			/EATHER / RI	G RESPONSE		5. Circ. / condition.	2.50	8.50
Bit Run		3RR	Wind Speed (KLs)		5		6. Deviation survey		
Diameter		6,	Direction		West		7. Run casing	1	9.50
Type & manufacture		Core head	Temperature		19		8. Cementing	<u></u>	
IADC code			Berometric pressi				9. Handle Preventors		
Serial number			Barometer rise / f	all			10, Riser, flowline		
Nozzles			Visibility(NM)		Clear		11, Logging.		1
Depth In (m)		827m	Sea state				12. Press. test BOP	 	
Depth Out		839m	Swell / Period / Dir				13. Repair rig.	-	2.00
Drilled (m cum/dly)		12m	Waves / period / di	Irection			14. Service rig.	-	<u> </u>
Hours (cum/dly)		8	Heave				15. Slip / cut drig line	 	
Dull grade	-	1.1,]	Plich		+	ļ	16. Drill stem test.	 	
Average ROP (m/hr)			Roll			 	17. Fishing.	 	
WOB Kibs		 	Anchor tension			 	18. Weil control.	 	
RPM	1	 	Anchor tension		-	-	19. Hang-off.	+	
Jot velocity		 	Riser tension	1622			21. W.O.Weather	+	1.00
HHP @ BIT	ļ	<u></u>	VARIABLE DECK	LOAD (Kîps)		<u> </u>	22. Lost circ.	1.00	1.00
BHA No.		BHA WEIGHT		J	STRING WT		23. Plug / Abandon. 24. Mob / Demob	1.00	
BHA Profile :	Core barrell / 10 x 4	13/4° DC / 2.875° Dp.					25. Hendle anchors.	 	
Bourse	Approx	Tormere	1	DDI I	ING DATA		26. Change drill pipe.	+	6.00
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS			INIA LIAIA		1	<u> </u>	1
-	+	 	DRAG - UP (mt)			_	27. Guide base / RO\	7.00	10.00
		 	DRAG - DOWN (29. Coring 29.Traval	2	6.00
<u> </u>	 	+	TORQUE-On Bo		+		30. W O Coment	† -	1
	+	+	101/202-01 80	(miths)			TOTAL (HRS)	19.50	187.50
			<u> </u>						

ì			DAI	LY DRILLIN	NG REPORT	7		
								90.65.00
	Deadman H	il				DATE	· <u>–</u>	29.05.02
PERMIT:						REPO		19
RIG:	Sides Engin	eering			•	DAYS	FROM SPUD	18
FROM	то	HOURS						
7:00	7:30		Travel to alte. Start up	rig,				
7:30	10:00		POOH w/ core barrell.					
10:00	11:30	1:30	Recover core. L/d bar					
11:30	14:00	2:30	RIH open-end to 570m					
14:00	15:30	1:30	Circulate. Walt on cer					
15:30	16:00	0:30	Piece 50m (40sx) bate	nced cement plug	across shoe.			
16:00	16:30	0:30	POOH to 480m.					
16:30	17:30	1:00	Circulate.					
17:30	19:00	1:30	Shut down. Prepare t	o move rig. Travel.				
		-						
		_						
				•				
	 		Personnel on site: Sid	les Engineering 5.				
			Homer, Westman, Mu		ob.			
	ļ	 	2 × ADST					
	 		2 4 7001					
		ļ <u> </u>	1 x 1.5m3 cmt Sale M	Ihrad Canamia				
	<u> </u>		1 x 1.5m3 cmt Sale IV	ixed Concrete.				
							·	
	٠							
								
	1	1				<u>.</u>		
·			Chemicals used: N	11				
	 	<u> </u>						
		-						
	-	 						
	 -	 	1					
	+	 						
	+	 	 		-			
_	+	+						
	 	 	 					
	1010 70 1	PAA UDS:	l					
	TIONS TO 0							
Daylight o	perations or	ily.						····
								* 10101 111
PROGR	AMME NEX	T 24 HRS:						
Rig down	and move.		- 				ALEARI ELIFI MA	NELLE (IN)
BULK		GEL(sx)	BARITE(sx)	CEMENT(3x)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(II)
_								
PERSO	NNEL ON R	G		RANSPORTATIO			COSTS	- A-
OPERAT				NAME	LOCATION		DAILY MUD	\$0.00
	G CONT.		WORKBOAT			CUI	MULATIVE MUD	\$9,617.00
	E COMPS	+	WORKBOAT				DAILY WELL	\$11,150
OTHER		+	STANDBY BOAT			CUM	ULATIVE WELL	\$418,260
		 	HELICOPTER					
TOTAL		-	HELICOPTER		1			
	ERVISOR(S)	W.	J. WESTMAN	ENGINEER			OIM	
3076					·			

61 3 96291624 61 3 96291624



LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

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P.1

NO.884

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 30 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

6

(Including this one)

MESSAGE:

Please find attached Daily Drilling Reports for the Deadman Hill No. 1 Stratigraphic Core Hole.



(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street,

915149 009 P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566 Melbourne, Vic. 3000 Fax: (03) 9629 1624

P.2

NO.884

Deadman Hill Location Longford Vic.

29th May 2002

Daily Report No. 18 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 29.5.02 RIH cut core#2 827-839 m (12m) Next 24 hrs Recover core#2 Suspend hole.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 18

Date: 29-05-2002

Depth: 839m

Progress:12m

Days from Spud: 18

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Homer

Last Casing:

7' at 549m

Comments:

RIH with core barrel, 18m of fill, trip gas at 827m 15 units. Run carbide at 827m = 165 units. Cut core #2 827.0 to 839.0m (12m). POOH to shoe.

Interval (mRT)	Hydrocarbon Show Summary	Gas
827-839	No show	3-8 units

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface	Surface	Surface	0
	4	25	+35	21 Low
	84	82	-22	2 High
	96	101	-41	5 Low
	371	554	-494	183 Low
	497	764	-704	267 Low
	600	839	-779	239 Low

^{*}Provisional, based on mudlog

Page 2

915149 011

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 18

	Lithological and Fluorescence Description
Interval (m)	Description
827-839 T.D.	CLAYSTONE: (60%) light to medium grey, light brown grey, slightly to very silty, rarely very finely arenaceous with quartz and partially altered feldspar grains, trace black coaly specks, trace micromica, firm, sticky in sample, slightly subfissile Interbedded and laminated with: SANDSTONE: (40%) off white to light grey, very fine to rarely medium, dominantly very fine to fine, angular to subrounded, dominantly subangular, moderately sorted, abundant off white argillaceous matrix, weak to moderate silica and calcareous cements, quartzose with abundant off white partially altered feldspar grains, common grey black green orange and red lithics, trace black coaly detritus, moderately hard, very poor visual porosity, no oil fluorescence.

Sec			La	ikes C)il					
			Daily D	•			ŧ			
-				<u></u>			DATE: I	27_May.72		
	Deadman Hill		•				DATE:	27-May-02		
	PEP-157						D.F.S.	16		
RIG:	Sides Engineerin	<u> </u>					D.F.S.			
DEPTH 0600 Hrs:	827.00 m	 	STATUS @ 00:00 l	irs:	RIH to core.	****				
TVD:	827.00 m		FORMATION:	,	Streziecki?	•				
24 HR PROGRESS:	0.00 m	LAST CASING:	7	@	764m?		SHOE LO.T.:		i	
HOLE SIZE:	6-1/8	WD (LAT):		R	F-GL/Alrgap:		MAASP:			
		,								
SURVEYS: MUD PROPE	:DIES			CONSUM	ARI FS		FORMA	ION DATA		
Sample taken @	827			Rig	Workboat	Workboat	Name	Strezie	cki7	
Flowline Temp °C			Fuel				Lithology	Mudstone	/ pyrite	
Weight ppg/SG	9.4		Polable water				Yop depth RT.	764.0	m	
Funnel viscosity.	38		Drill water				Trip gas %	3		
PV/YP(cp/lb/100ft2)			Barites				Connection Gas %	0		
Gels 10secs / 10min			Cernent				Background gas %	9.9		
WL API(cc/30min)			Gel		 		ECD (ppg)	S / BOPS	~	
WL HTHP(cc/30mln)			Base Oil	1		3	LAST BOP DRILL	0,000	20-May	
Cake (1/32")			PUMPS TYPE		2		LAST FIRE DRILL		201110	
Salids %			STROKE(in)	Clark 10			LAST MOB DRILL			
Send %			UNER(in)	5 1/2			LAST ABN, RIG DRILL			
MBT(Ib/bbl) PH			SPM	41			LAST BOP TEST	\ 		
Chlorides (mg/l)			GPM	192			BOP TEST DUE			
KQ %	6		AV-DP(Ft/min)	160				HRS	CUM	
PHPA (Catc ppb)	1/2		AV-DC(Ft/min)				1. Rig up / down.		28.00	
			SPP(kPa/psi)				2. Drilling.		43.50	
Hole volume bbls.	98 / 77		SCR @ 40		ļ		3. Reaming.		4.50	
Surface volume bbis.	40		SCR @ 50		<u> </u>		4. Trip	9.00	42.50	
	BIT DATA			VEATHER / RIG			5. Circ. / condition.		8.50	
Bil Run	4	3RR	Wind Speed (kls)		5 West		6. Deviation survey 7. Run casing		9.50	
Diameter	6-1/8°	6° Core head	Direction Temperature		19		8. Cementing		0.00	
Type & manufacture IADC code	Vare) ETD 14 4.3.7	Cora rieau	Berometric press	ure milliber	-		9. Handle Preventors			
Serial number	146729		Barometer rise / I		1		10. Riser, flowline			
Nozzies	14, 14, 11		Visibility(NM)		Clear		11. Logging.			
Depth In (m)	742m		Sea state				12. Press. test BOP			
Depth Out	827m		Swell / Period / Dir	rection			13. Repair rig.		2.00	
Drilled (m cum/dly)	85m		Waves / period / d	irection			14. Service rig.			
Hours (cum/dly)	14.5		Heave				15. Slip / cut drlg line			
Dul) grade	1.1.WT.A.E.I.CP		Pilch				16. Drill stern lest.			
Average ROP (m/hr)	5.8		Roll		ļ	ļ	17. Fishing.		ļ	
WOS Kibs	10		Anchor tension		 	 	18. Well control.			
RPM	90		Anchor lension		<u> </u>		19. Hang-off. 21. W.Q.Wealher	 	·	
Jet velocity	145		Riser tension VARIABLE DECK	(LOAD (IOn=)	+		22. Lost circ.		1.00	
HHP @ BIT SHA No.	3	BHA WEIGHT	\	· count (saha)	STRING WT		23. Plug / Abandon.		 	
BHA Profile :		x 4%° DC / 3.5° Dp.		_	2		24. Mob / Demob			
							25. Handle anchors.			
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLIN	IG DATA		26. Change drill pipe.		8.00	
			DRAG - UP (mt)				27. Gulde base / RO\	<i>ı</i>	ļ	
			DRAG - DÓWN				28. Coring	ļ	3.00	
			TORQUE-On Bo				29.Travel	1	6.00	
		ļ	TORQUE-Off Bo	ittom (amps)	 		30. W O Cement	9.00	156.50	
		L		-	<u> </u>		TOTAL (HRS)	3.00	1 100.00	

•			DΔ	ILY DRILLI	NG REPOR	r		
		<u></u>					·	
WELL:	Deadman Hi	eadman Hill				DATE:	[27.05.02
-	PEP-157		i			REPO	RT#	17
	Sides Engine	erina	.			DAYS	FROM SPUD	16
(10.[5.000 E							
ROM	TO	HOURS						
7:00	7:30	0:30	Travel to site. Start u	ıpılg,				
7:30	11;30	4:00	POOH w/ Drig assy.					
1:30	12:30	1;00	P/u 18m core barrel.					
2:30	14:30	2:00	RIH. Break circulation					
14:30	14:45	0:15	RIH. Wash through b	ridge at 576m.				
14:45	15:00	0:15	RIH to 600m.					
15:00	15:30	0:30	POOH to shoe. Insuf		ins to fill barrell and	POOH to shoe.		
15:90	16:00	0:30	Shut down. Travel to	town.				
			Personnel on alta: SI					
			Homer, Westman, M	lulready, Slaely, Me	eney, Webb.			
-			2 x ADST					
		···						
			† · · · · · · · · · · · · · · · · · · ·					
			Chemicals used -	1 sx XCD. 1 sx PA	C-L. 5sx KCL.			
-								
			 	· · ·				
			 					
	 							
						·		
						 		
								
		06 NCO:	<u> </u>				•	
	ONS TO 06							
sylight op	erallons ont	y.						
	MME NEXT	AA UBC-				· · · · · · · · · · · · · · · · · · ·		.,
	cover core #		DARITE/AN)	CEMENT(sx)	DRILL WAYER/	POT WATER(mt)	DIESEL FUEL (IN	HELI FUEL(I
BULK		GEL(SX)	BARITE(SX)	CEIVICIA (2X)	DRIGHTAL ER(IIII)	. O. WATER(III)		
	NEL AN E	<u></u>		 TRANSPORTATIO	N	<u>l</u> _	COSTS	
	NEL ON RIC	-			LOCATION		DAILY MUD	\$640.00
PERAT			14000000000	NAME	LOCATION	ALILE ALILE	ULATIVE MUD	\$9,508.00
	CONT.		WORKBOAT			COM	DAILY WELL	\$11,150
	COMPS	ļ	WORKBOAT	ļ		A144		
THER		<u> </u>	STANDBY BOAT		-	COMU	ILATIVE WELL	\$316,333
			HELICOPTER					
TOTAL		1	HELICOPTER	1				
	RVISOR(S)		J. WESTMAN	ENGINEER		· · · · · · · · · · · · · · · · · · ·	OIM	



Registated Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 Fac: (03) 9629 1624

P.O. Box 300, Callins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566

24 May 2002

The Cultural Heritage Officer East Gippsland Aboriginal Co-operative Fax 5152 3115

Dear Sir.

Re: Stratigraphic Drilling Longford District

Lakes Oil are currently engaged in the drilling of two stratigraphic wells named Deadman Hill-1 and Protes-1.

Locations are as follows:

Deadman Hill 14 km southeast of Sale **AMG Co-ordinates** 515826 E 5772254 S Protea-1 11 km south-south east of Sale AMG co-ordinates 512873 E 5772851 N

Reference map for both wells is Sale Topographic 8321 Scale 1:100,000 Both are located on freehold land, Four pits are required for each well for the purposes of mud and water storage.

Should you wish to follow up on these wells please call Jack Mulready of Lakes Oil on his mobile Phone 0409 006 550

Yours sincerely LAKES OIL N.L.

JACK N. MULREADY Technical Consultant

> Internet Site: www.lakesotl.com.au Email Address: lakes@lakesoil.com.au

61 3 96291624 61 3 96291624



Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

NO.873

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 28 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Bruce Armour

FROM:

Margaret Rhodes

RE:

Deadman Hill and Protea wells

No. OF PAGES:

two

(Including this one)

MESSAGE:

Attached for your information is a copy of correspondence sent to the East Gippsland Aboriginal Cooperative advising them of the drilling of the Deadman Hill and Protea wells.



ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566

Fax: (03) 9629 1624

0409006550

dach Mulicado

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 29 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

6

(Including this one)

MESSAGE:

Please find attached Daily Drilling Reports for the Deadman Hill No. 1 Stratigraphic Core Hole.

29.MAY.2002 10:05

61 3 96291624



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566 Fax: (03) 9629 1624

Deadman Hill Location Longford Vic.

28th May 2002

Daily Report No. 17 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 28.5.02 Changed out drill pipe. Made up core barrel, RIH Next 24 hrs Cut core#2

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

Solida % STROKE(in) 10	<i>P</i>				akes (Drilling	Dil Report				
PERMIT: PERMIT: State Engineering Status @ estate New Total Total										· · · · · · · · · · · · · · · · · · ·
RIG: Sides Engineering. D.F.S. 15	WELL:	Deadman Hill]				DATE:	26-May-02]
DEPTH 6810 Hrs: T85.00 m	PERMIT:	PEP-157]				REPORT#	18	<u>ו</u>
TVD: 785.00 m	RIG:	Sides Engineeri	ng]			•	D.F.S.	15	j
MATERIAN MATERIAN	DEPTH 0600 Hrs:	786.00 m		STATUS @ 06:00	Hre:	RIH to drill at	nead.			
NOLE SIZE:	סעד:	786.00 m	ī	FORMATION:		Claystone w/ tnb	erbedded send.			
NOLE SIZE:	24 HR PROGRESS:	35.00 m	T LAST CASING:	7	í 🙍	548.5m		SHOE L.O.T.:		ī
SURVEY6:	HOLE SIZE:	6-1/8"	-		_			_		ว์
Sample taken Samp	SURVEYS:									
Flow Claysishne Claysishn	MUD PROF	ERTIES			CONSU	MABLES		FORMA	TION DATA	
Fige Uthology Clayshone Clayshone	Sample taken @	760	810		Rig	Workboat	Workboat	Name	•	7
Weight pag/ SG 9.3 9.4 Pobbble water Too death RT. 764.00 m France Vaccority 34 35 Drill water Fring page 54 3 3 3 3 4 5 5 Drill water Fring page 54 3 3 3 4 5 5 Drill water Fring page 54 0 0 0 0 0 0 0 0 0				Fuel				Lithology	Clay	stone
PV/PF(cptbr100f2) Baintes	Weight ppg/SG	9.3	9.4	Potable water				Top depth RT.	764.0	00 m
Calment	Funnel viscosity.	34	35	Drill water				Trip gas %		3
MIL HTHFICCOOMIN Base OI	PV/YP(cp/lb/100fl2)			Bárites				Connection Gas %		0
MILTIPE/CCCOmmin Base Oil	Gels 10secs / 10min			Cement				Background gas %	L	
Cafe (1732")						ļ			<u> </u>	.9
Solida % STROKE(in) 10					_			:	.s / Bops	
Sand % STROKE(in) 10	J					2	3			20-May
MBT((b)bb)			ļ							
PH		<u> </u>								ļ
CPM								ļ		
RC % 6 6 AV-DP(FUmin) 160 1 Rig up / down. 28.0 2 Drilling. 6.00 43.5 3 Reaming. 1.00 43.5 Reaming.			ļ			_				20-May
PHPA (Calc ppb) 1			 					BON 1EST DUE	UDO	27-May
SPP(kPa/psp) 2. Drilling. 6.00 43.5		0	- 		160			1.05	HKS	
Hole volume bbls. 69 / 46 80 / 60 SCR @ 40 3. Rearning. 1.00 4.55	PHPA (Calc ppb)	ļ				-			6.00	
Surface volume bbis. 40 40 5CR @ SO 4. Trip 3.50 34.5	Hole volume hhis	60 / 46	90 / 60	I					ļ	·
BIT DATA										.
Bit Run	5555 12				EATHER / RIG	RESPONSE		d	1	8.50
Type & manufacture	Bit Run		4			7				
ADC code	Diameter		6-1/B*	Direction		West		7. Run casing		9.50
Serial number 148729 Berometer rise / fall 10. Riser, flowline	Type & manufacture		Varel ETD 14	Temperature		19		8. Cementing		******
Nozzles	IADC code		4.3.7	Barometric pressu	ıro millibar		•	9. Handle Preventors		
Depth In (m) 742m Sea state 12. Press. test 80P	Serial number		146729	Barometer rise / fa	211			10. Riser, flowline		
Depth Out Sezm Swell / Perfod / Direction 13. Repair rig. 2.00	Nozzles		14. 14, 11	Visibility(NM)		Cleer		11. Logging.		Ī
Drilled (m cum/dly) 85m Waves / period / direction 14. Service rig.	Depth In (m)		742m	Sea state				12. Press. test BOP		
Hours (cum/dly)	Depth Out		827m	Swell / Period / Dire	ection			13. Repair rig.		2.00
Dull grade	Drilled (m cum/dly)		85m		rection			14. Service rig.		
Average ROP (m/hr) 5.8 Roll 17. Fishing. 18. Well control. 18. Well contro	l		14.5					15. Slip / cul drlg line		
WOB Kibs								l		
RPM			-							ļ
Jet velocity								 	<u> </u>	
HHP @ BIT 17							·-·	<u>-</u>		
BHA No. 3 BHA WEIGHT STRING WT 23. Piug / Abandon.								d		
BHA Profile : Bit / 2 Dc / Stab / 9 x 4%* DC / 30jis 3.5* Dp / 2-7/8 Dp. 24. Mob / Demob 25. Handle anchors.					LOAD (XIps)					1.00
25. Handle anchors.	d .					STRING WT			 	
DOWNHOLE TOOLS SERIAL No. ROT/REAM HRS DRILLING DATA 25. Change drill pipe. 6.00 DRAG - UP (mt) 27. Guide base / ROV. DRAG - DOWN (mt) 28. Coring 3.00	Dria Profile :	DIC/ & UC/ 3(80/9)	474 UU / JUJIS 3.5°	υρ <i>ι 2-11</i> 0 υβ.				 		
DRAG - UP (mt) 27, Guide base / ROV. DRAG - DOWN (mt) 28, Coring 3.00	DOWNHO! ETOO! S	ŠEDIAI NA	POT/PEAN UPP		Doil i isa	C DATA			 	400
DRAG - DOWN (mt) 28. Coring 3.00	DOWNTOLE TOOLS	GERIAT NO.	KUTIKEAM MKS	DRAG - UP (m/h	DRILLIN	DAIA			<u> </u>	8.00
					n()				r—	3.00
n i i i i i i i i i i i i i i i i i i i		 	 			<u> </u>		29. Travel	1.5	8.00
TORQUE-Off Bottom (amps) 30. W O Cament						 		1)	1.5	1
					<u>;</u>				12.00	148.50

100	· · · · · · · · · · · · · · · · · · ·							
			. D	AIĹY DRILL	ING REPOF	RT	•	
,	Deadman H	Aill				DA	re:	26.05.02
PERMIT:				•			PORT#	16
RIG:	Sides Englr	reering				DAY	/S FROM SPUD	15
FROM	TO	HOURS						
7:00	7:30	0:30	Travel to site. Start					
7:30	9:00	1:30	RIH w/ drig assy, 30					
9;00	10:00	1:00	Wash and ream f/ 7		to 766m.			
10:00	16:00	6:00	Onii 6-1/8" hole 786	m to 827m.				
18:00	18:00	2:00	POOH to shoe.	C-1-1-7	14-4		-	
18:00	19:00	1:00	Shut down. Fuel up	Service rig. Trave	er to town,			
		-						
 	,							
								·
 	-							···
			Personnel on site; S	Ides Engineering 5				
			Horner, Westman, N	Mulready, Slaely.				
			2 x ADST				***	
						-		
							· .	
			Chemicals used -	15sx KCL.				
ļl								
			- /					
	<u></u>							
OPERATION	ONS TO 06	00 HRS:						
Daylight ope								
-gyngin ope		· · · · · · · · · · · · · · · · · · ·						
PROGRAI	MME NEXT	24 HRS:						
				· ·				
BULK		GEL(8x)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(It)
	IEL ON RIG	·		TRANSPORTATION			COSTS	(P) W 1 AA
OPERATO			MORKBOAT	NAME	LOCATION	<u> </u>	DAILY MUD	\$674.00
DRILLING			WORKBOAT			CUI	JULATIVE MUD	\$8,718.00
SERVICE	COMPS		WORKBOAT			5:12	DAILY WELL	\$11,184
OTHER			STANDBY BOAT			CUM	ULATIVE WELL	\$294,523
TOTAL			HELICOPTER HELICOPTER	 				·
	VISOD/S)	14/ >	WESTMAN	ENGINEER			OIM	
SUPER	VISOR(S)	VV.J.	AACO I IAIWIA	LINGINGER		L	UIM	

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 17

Date: 28-05-2002

Depth: 827m

Progress:0m

Days from Spud: 17

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

7' at 549m

Comments:

POOH, pick up 18m core barrel, RIH to shoe.

Core #2 is to clarify age and formation at this depth, and also, if sands are encountered for porosty/permeability data. Note: the cuttings samples are non-definitive as to whether the formation below 764m is Strzelecki Formation or the basal section of the Golden Beach Formation which is composed primarily of re-worked Strzelecki Formation.

Interval (mRT)	Hydrocarbon Show Summary	Gas
	No new formation drilled.	

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101 554 764	Surface +35 -22 -41 -494 -704	0 21 Low 2 High 5 Low 183 Low 267 Low

^{*}Provisional, based on mudlog

Page 2

915149 021



LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 17

	Lithological and Fluorescence Description							
Interval (m)	Description							
	No new formation drilled.							

61 3 96291624 61 3 96291624



LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 28 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

8

(Including this one)

MESSAGE:

Please find attached Daily Drilling Reports for the Deadman Hill No. 1 Stratigraphic Core Hole.



(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street. Melbourne, Vic. 3000 Fax: (03) 9629 1624

P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566

915149 023 Deadman Hill Location Longford Vic.

27th May 2002

Daily Report No. 16 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 26.5.02 Wait on crossover sub. Drilled from 786 m to 827 m in Golden Beach Fm Trip gas 5 units Gas 1-5 units while drilling. Next 24 hrs Cut core#2

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au 28.MAY.2002 10:22

61 3 96291624

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 16

Date: 27-05-2002

Depth: 827m

Progress:41m

Days from Spud: 16

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

7' at 549m

Comments:

RIH, ream 50m tight hole and fill, trip gas at 786m 5 units. Drill ahead 786 to 827m. Hole condition unstable. Background gas gradually increasing (from 1 unit at 786m to 5 units by 827m).

Interval (mRT)	Hydrocarbon Show Sumn	nary Gas
786-827	No show	1-5 units
•		

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101 554 764	Surface +35 -22 -41 -494 -704	0 21 Low 2 High 5 Low 183 Low 267 Low

^{*}Provisional, based on mudlog

Page 2

915149 025

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 16

Lithological and Fluorescence Description							
Interval (m)	Description						
786-827	CLAYSTONE: (60%) light to medium grey to light brown, rarely off white, slightly to very silty, rarely very finely arenaceous with quartz and partially altered feldspar grains, trace black coaly specks, trace micromica, rare pyrite, firm, sticky in sample, slightly subfissile. Interbedded with: SANDSTONE: (40%) light grey, very fine to medium, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, common to abundant off white argillaceous matrix, weak to moderate silica and calcareous cements, quartzose with abundan off white partially altered feldspar grains, common grey black green orange and red lithics, trace black coaly detritus, rare pyrite, moderately hard, very poor visual porosity, no oil fluorescence.						
<u> </u>							

1		- · · · · · · · · · · · · · · · · · · ·		kes O					
<i>(</i> -			Daily D	rilling F	Report				
VELL:	Deadman Hill				****		DATE:	26-May-02	
	PEP-157						REPORT#	16	1
<u></u>	Sidea Engineering						D.F.S.	15	
DEPTH 0500 Hrs.	7 8 6.00 m		STATUS @ 05:00 F	Ē	RIH to drill she				
rvo:	786.00 m		FORMATION:		Claystone w/ into	rbedded sand.			
24 HR PROGRESS:	35.00 m	LAST CASING:	7	@ [548.5m		SHOE LO.T.:		1
HOLE SIZE:	6-1/8*	WD (LAT):		RT	- GL / Air gap:		MAASP:		
SURVEYS:									
MUD PROPE	RTIES			CONSUMA	BLES		↓	ION DATA	
Sample taken @	760	810		Ríg	Workboat	Workboat	Name	?	
Flowline Temp *C			Fuel				Lithology	Clays	
Weight ppg/SG	9.3	9.4	Polable water				Top depth RT.	764.00	
Funnel viscosity.	34	35	Orill water				Trip gas %		
PV/YP(cp/lb/100ft2)			Bariles				Connection Gas %		
Gals 10secs / 10min			Cement				Background gas %	9.9	
WL API(cc/30min)			Ge!				ECD (ppg)		
WL HTHP(cc/30mln)			Base Oll					S / BOPS	20-May
Cake (1/32")			PUMP8	1	2	3	LAST BOP DRILL		ZU-MBY
Sollds %			TYPE	Clark			LAST FIRE DRILL		
Sand %			STROKE(in)	10		_	LAST MOB DRILL		
MBT(lb/bbl)			LINER(in)	5 1/2			LAST ABN. RIG DRILL		
PH			SPM	41			LAST BOP TEST		20-May
Chlorides (mg/l)			GPM	192			BOP TEST DUE		27-May
KCI %	6	6	AV-DP(PVmin)	160				HRS	CUM
PHPA (Calc ppb)		1	AV-DC(Ft/min)				1. Rìg up / down.		28.00
THE COOR PROP		·	SPP(kPa/psl)				2. Drilling.	6.00	43.50
Hale volume bbls.	69 / 46	80 / 60	SCR @ 40				3. Reaming.	1.00	4.50
Surfaco voluma bbls.	40	40	SCR @ 50				4. Trip	3.50	34.50
Curisco vois-rio voro:	BIT DATA		V	WEATHER / RIG	RESPONSE		5. Circ. / condition.		8.50
Bit Run		4	Wind Speed (kls))	5		6. Deviation survey		
Diameter	-	6-1/8*	Direction		Wesl	Ī	7. Run casing		9.50
Type & manufacture		Varel ETD 14	Temperature		19		8. Cementing		
		4.3.7	Barometric press	sure milliber			9. Handle Preventors		
IADC code		146729	Barometer rise /		·		10. Riser, flowline		
Serial number	 	14. 14. 11	Visibility(NM)		Clear		11. Logging.		
Nozzleś		742m	Sea state				12. Press. test BOP		l
Depth In (m)	 	827m	Swell / Period / Di	rection	-	l	13. Repair rig.	1	2.00
Depth Out	<u> </u>	85m	Waves / period / d		 	1	14. Service rig.		
Drilled (m cum/dly)	 	14.5	Heave	0404->		<u> </u>	15. Stip / cut drig line		1
Hours (cum/dly)	 	RNG	Pitch			 	16. Drill stem test.	1	
Dull grade			Roll		 	 	17, Flshing.	1	
Average ROP (m/hr)	-	5.8	Anchar tension		 	-	18. Well control.		1
WOB Kibs		10			 	1-	19. Hang-off.	1	
RPM	 	90	Anchor Lension		 	 	21. W.O.Weather	 	
Jet velocity	ļ	145	Riger lension	VIAIN ##	 		22. Lost circ.	+	1.00
HHP @ BIT		17	VARIABLE DEC	V FOND (MDS)	STRING W	<u> </u>	23. Plug / Abandon.	+	
BHA No.	3	BHA WEIGH		ل	21 KING W	'\	24. Mob / Demob	 	}
BHA Profile :	Bit / 2 Dc / Stab / 9 :	43/4" DC / 30/bs 3.5	" Up / 2-7/8 D p.				25. Handle anchors.	 	-
			7		- DATA			 	8.00
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS			IG DATA		26. Change drill pipe.		00,00
			DRAG - UP (mi		+		27. Guido base / RO	Yi	3.00
			DRAG - DOWN		-		28. Coring	1.5	6.00
			TORQUE-On B				29.Travel	1.3	0.00
			TORQUE-Off B	lottom (amps)			30. W O Cement	12.00	149.50
					1		TOTAL (HRS)	12.00	1 140.30

)			DA	ILY DRILLII	NG REPORT	T	·	
	Deadman H	hi	-			DATE	<u></u>	26.05.02 16
PERMIT:	Sides Engir	neering		,			FROM SPUD	15
FROM	TO	HOURS						
7:00	7:30	0:30	Travel to site. Start up					
7:90	9:00	1:90	RIH w/ drig assy, 30 jt	s 3-1/2" drill plpe, 2	-7/8" drill pipe.			<u>,</u>
9:00	10:00	1:00	Wash and ream # 790		o 786m.			
10:00	16:00	6:00	Drill 6-1/8" hole 786m	to 827m.				
16:00	18:00	2:00	POOH to shoe.					
18:00	19:00	1:00	Shut down. Fuel up.	Service rig. Travel	to town.			
•								
			ļ		_			
				des Essissadas F				
		ļ	Personnel on site: Si			· · · · · · · · · · · · · · · · · · ·		
		ļ	Homer, Weslman, Mi	uready, Sisely.				· · · · · · · · · · · · · · · · · · ·
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		ļ <u>.</u>	-	45 1/61				
			Chemicals used -	15gx KCL.				
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		<u> </u>						
								
		500 1170						
	TIONS TO 0							
aylight o	perations or	ııy.						
	4414F *15*	TA41100		•				
PROGR	AMME NEX	1 24 HR5:					1.0	-
		051/	BADITE/\	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(II
BULK		GEL(5X)	BARITE(sx)	CEINEM (2X)	JISICLAA LEK(IIII)	. S. Varientino		
				TRANSPORTATIO	l I		COSTS	
	NNEL ON R	IG		NAME	LOCATION		DAILY MUD	\$674.00
OPERA			WORKEOAT	(AVMC	LOCATION	CIB	MULATIVE MUD	\$8,718.00
	IG CONT.	 	WORKBOAT				DAILY WELL	\$11,184
	E COMPS	 		ļ		CUM	ULATIVE WELL	\$294,523
OTHER		· 	STANDBY BOAT		-	3314		
		 	HELICOPTER HELICOPTER	-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TOTAL			J. WESTMAN	ENGINEER			OIM	
ŞUPE	ERVISOR(S) VV.	I. TYES INMIY	CHOMEEK	<u> </u>	<u> </u>	<u> </u>	



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

P.O. Box 300, Collins St. West Melbourne, Vic. 8007
Phone: (03) 9629 1566
Fax: (03) 9629 1624
915149 028

Deadman Hill Location Longford Vic.

26th May 2002

Daily Report No. 15 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 25.5.02
Wait on crossover sub.
Drilled from 751 to 786 m in Golden Beach Fm
Trip gas 3 units
Next 24 hrs
Drill ahead.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566 Fax: (03) 9629 1624

915149 029

Deadman Hill Location Longford Vic.

25th May 2002

Daily Report No. 14 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 24.5.02
Wait on crossover sub.
Drilled from 742 to 751 m in Golden Beach Fm
Next 24 hrs
Drill ahead.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

NO.853

915149 030

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 27 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

11

(Including this one)

MESSAGE:

Please find attached Daily Drilling Reports for the Deadman Hill No. 1 Stratigraphic Core Hole.

Picks for the Top Strzelecki Formation are still to be confirmed.

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 15

Date: 26-05-2002

Depth: 786m

Progress:35m

Days from Spud: 15

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

7' at 549m

Comments:

Pick up 2.875" drill string, drill ahead from 751 to 786m. Trip gas at 751m 3 units, 20m of fill. Hole indicating signs of instability.

Interval (mRT)	Hydrocarbon Show Summary	Gas
751-764	No show	1-2 units
764-786	No show	1-2 units

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101 554 764	Surface +35 -22 -41 -494 -704	0 21 Low 2 High 5 Low 183 Low 267 Low

^{*}Provisional, based on mudlog

Page 2

915149 032

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 15

	Lithological and Fluorescence Description
Interval (m)	Description
751-755	SANDSTONE: (100%) light brown grey, very fine to coarse, dominantly fine, angular to subrounded, dominantly subangular, poorly sorted, common off white argillaceous matrix, weak silica cement, strong pyrite cement, strong dolomite cement, quartzose with common partially altered feldspar grains, common grey green and brown lithics, trace coarse mica flakes, trace black coaly detritus, very hard, no visual porosity, no oil fluorescence.
755-764	SANDSTONE: (100%) light grey, very fine to medium, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, common off white argillaceous matrix, weak silica cement, clear to opaque quartz with common partially altered feldspar grains, common grey green and orange brown lithics, trace coarse mica flakes, trace black coaly detritus, trace pyrite, friable, poor to fair inferred porosity, no oil fluorescence.
764-768	SANDSTONE: (100%) light grey, very fine to medium, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, abundant off white argillaceous matrix, weak silica cement and calcareous cements, quartzose with abundant partially altered feldspar grains, common grey green and orange brown lithics, trace black coaly detritus, friable to moderately hard, very poor to poor visual porosity, no oil fluorescence.
768-786	CLAYSTONE: (100%) very light brown to medium brown brown grey, rarely off white, slightly to very silty, trace black coaly specks, trace micromica, firm, sticky in sample, slightly subfissile.

7	Lakes Oil Daily Drilling Report										
WELL:	Déadman Hiii						DATE:	26-May-02			
PERMIT:	PEP-157]				REPORT #	16	วี		
RIG:	Sides Enginee	ring	Ī				D.F.S.	15	נֿ		
DEPTH 0600 Hrs:	786.00 m]	STATUS @ 06:00	Hrs:	RIH to drill a	head.					
TVD:	786.00 m		FORMATION:		Straziecid						
24 KR PROGRESS:	35.00 m	LAST CASING	: 7	ø	548.5m	1	SHOE LO.T.	:	ī		
HOLE SIZE:	6-1/8"	WD (LAT)	:		T - GL / Alr gap:		T MAASP		รี		
SURVEYS:											
MUD PROI	PERTIFS			CONCIL	MABLES		5000	TAN DATA			
Sample taken @	760	783	-	Rig	Workboat	Workboat	Name	ATION DATA	ziecki		
Flowline Temp °C		-	Fuel	1119	**************************************	VVOIROUAL			ystone		
Weight ppg/SG	9.3	9.4	Potable water				Top depth RT.		.00 m		
Funnel viscosity.	34	35	Drill water				Trip gas %	-	1		
PV/YP(cp/lb/100!l2)			Barites				Connection Gas %		0		
Gela 10secs / 10mln			Cement				Background gas %		0		
WL API(oc/30mln)			Gel				ECD (ppg)		9.9		
WL HTHP(cc/30min)			Base Oil				DRILL	S/BOPS			
Cake (1/32")			PUMPS	1	2	3	LAST BOP DRILL		20-May		
Solids %	ļ	 	TYPE	Clark			LAST FIRE DRILL				
Sand %		_	STROKE(In)	10	<u> </u>		LAST MOB DRILL				
MBT(lb/bb!) PH		 	UNER(in)	5 1/2			LAST ABN. RIG DRILL		 		
			SPM	41	ļ		LAST BOP TEST		20-May		
Chlorides (mg/l) KCI %	6	 	GPM	192	<u> </u>		BOP TEST DUE	,	27-May		
PHPA (Calc ppb)	├─°-	6	AV-DP(Ft/min)	160	 -			HRS	СПМ		
PAPA (Calc ppp)	<u> </u>	 	AV-DC(Fl/mln) SPP(kPa/psi)		 		1. Aig up / down.		28.00		
Hole volume bbis.	69/46	80/60	SCR @ 40		 		2. Drilling.	6.50	37.50		
Surface volume bbis.	40	40	SCR @ 50				3. Reaming. 4. Trip	0.50	3.50		
	BIT DATA	1 40		EATHER / RIG	RESPONSE		5. Circ. / condition.	4.50	31.00 8.50		
Bit Run		4	Wind Speed (kts)	O TIME	5		6. Deviation survey		0.30		
Diameter		6-1/8"	Direction		West		7. Run casing		9.50		
Type & manufecture		Varel ETD 14	Temperature		19		8. Cementing		-		
IADC code		4.9.7	Barometric pressu	re millibar			9. Handle Preventors		 		
Serial number		146729	Barometer rise / fa	dl			10. Riser, flowline				
Nozzles		14. 14, 11	Visibility(NM)		Clear		11. Logging.				
Depth in (m)		742m	Sea state				12. Press. test BOP				
Depth Out		786m	Swell / Perlod / Dire	ection			19. Repair rig.		2.00		
Drilled (m cum/dly)		44m	Waves / period / dir	ection			14. Service rig.				
Hours (cum/diy)		2	Heave				15. Slip / cut drlg line				
Dull grade		RNG	Pitch				16. Drill slem test.				
Average ROP (m/hr)		5.0	Roti				17. Fishing.				
WOB Kibs		10	Anchor tension				18. Well control.				
RPM		90	Anchor tension				19. Hang-off.				
Jet velocity			Riser tension				21. W.O.Wealher				
HHP @ BIT BHA No.	3	17	VARIABLE DECK	LOAD (Kips)	22200		22. Lost circ.		1.00		
		BHA WEIGHT x 4%° DC / 30jbs 9.5°	Dn / 2-7/9 D-		STRING WT		23. Plug / Abandon.				
		r⊸w no ianima'a	-γ / ε- //σ υβ.				24. Mab / Demob				
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLING	DATA		25. Handle anchors.		- 0.00		
	110,		DRAG - UP (ml)	UNILLIA	VAIA		26. Change drill pipe.		8.00		
			DRAG - DOWN (m	r)			27. Gulda base / ROV		9.00		
			TORQUE-On Botto				28. Coring 29.Travel	1	9.00 6.00		
	⊌ ملا		TORQUE-Off Botto				30, W O Cement		6.00		
				<u> </u>			··· · · · · · · · · · · · · · · · · ·				

fich for to is tentative still to be

-									
1.					NA 5555	\ _			
			DA	AILY DRILLI	ING REPOR	KI			
			7			DAT	æ. [*	4444	
	Deadman Hi		4	•			e: PORT#	28.05.02 16	
PERMIT:	Sides Engine	agring.] 1				S FROM SPUD	15	
MG.	Oldes Engin	301119	. ك						
FROM	TO	HOURS							
7:00	7:30	0:30	Travel to site. Start	ир під.					
7:30	9:00	1:30	POOH to 30jts DP a						
9:00	10;00	1:00	RIH wi drig assy, 30	its 3-1/2" drill pipe,	2-7/8° drili pipe.				
10:00	10:30	0:30	Ream fill f/ 730m to						
10:30	17:00	6:30	Drill 6-1/8" hote 751	m to 786m.					
17:00	19:00	2:00	POOH to shoe.		•				
19:00	19:30	0:30	Shut down. Travel t	o town.					
			<u> </u>						
			 				<u> </u>		
			 						
			 						
			Personnel on alte: S	ides Engineering 5			·		
			Horner, Wastman, N					-	
			2 x ADST	,, ,,	-				

			1						
				· · · · · · · · · · · · · · · · · · ·	•				
			Chemicals used -	1 sx XCD. 1 sx PA	C-L. 16x PHPA,				
			ļ						
		n (cmA:	<u> </u>						
	ONS TO 080								
ayiight ope	erations only	•							
BBOGBAI	MME NEXT	A LIDE.		·					
FROGRA	MAN HEAL	nns.							
BULK		GEL(sx)	BARITE(8x)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(III)	HELI FUEL(II)	
OVEN		GCC(0X)	5.441.C(8A)	GENERAL (OA)	- account citing				
PEDSON	VEL ON RIG	• • • • • • • • • • • • • • • • • • • •	 	TRANSPORTATION	<u> </u>		COSTS		
OPERATO		· · · · · ·	 	NAME	LOCATION		DAILY MUD	\$674.00	
DRILLING			WORKBOAT			CUI	MULATIVE MUD	\$8,718.00	
SERVICE			WORKBOAT				DAILY WELL	\$11,184	
			STANDBY BOAT	-		ÇUM	ULATIVE WELL	\$294,523	
OTHER									
OTHER									
OTHER			HELICOPTER HELICOPTER						

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 14

61 3 96291624 -

Date: 25-05-2002

Depth: 751m

Progress:9m

Days from Spud: 14

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

7' at 549m

Comments:

Wait on X-over sub, RIH with 3.5" drill string, drill ahead with 6.125" hole to Trip gas at 742m 4 units.

Interval (mRT)	Hydrocarbon Show Sum	emary Gas
742-751	No show	1 unit
_		

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101 554	Surface +35 -22 -41 -494	0 21 Low 2 High 5 Low 183 Low

^{*}Provisional, based on mudlog

Page 2

915149 036

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 14

Lithological and Fluorescence Description			
Interval (m)	Description		
742-751	SILTY CLAYSTONE: (100%) medium grey, occasionally light grey, rarely dark grey and very carbonaceous, slightly to very silty, very finely arenaceous with quartz and partially altered feldspar sand grains in part, slightly calcareous in part, common black coaly specks and detritus, common micromica, trace pyrite, firm, sticky in sample, slightly subfissile. With minor interbedded and laminated: SANDSTONE: light brown grey, very fine to coarse, dominantly fine, angular to subrounded, dominantly subangular, poorly sorted, common off white argillaceous matrix, weak silica cement, strong pyrite cement, strong dolomite cement, quartzose with common partially altered feldspar grains, common grey green and brown lithics, trace coarse mica flakes, trace black coaly detritus, very hard, no visual porosity, no oil fluorescence.		

)			L	akes	Oil				
			Daily I	Drilling _	g Repor	t			
WELL:	Deadman Hill						DATE:	25-May-(02
PERMIT:	PEP-157		=						=
RIG:	Sides Enginee	3ring					REPORT # D.F.S.	15	╡
DEPTH 0600 Hrs:	742.00 m		STATUS @ 08:00		RIH				
TVD:	742.00 m	╡	FORMATION:	*****	Golden Beach				
24 HR PROGRESS:	153.00 m	LAST CASIN		۱ _					
HOLE SIZE:	6-1/8"	==		@	548.5m		8H0E L.Q.1		_]
SURVEYS:	0-1/0	MD (rv.	7): [RT - GL / Air gap	:	MAASI	?:[
	OPERTIES			001101	MARI CO				
Sample taken @		575			MABLES	The state of		ATION DATA	
Flowline Temp *C		- 5,3	Fuel	R∤g	Workboat	Workboat	Name	Gold	len Beach
Weight ppg/SG		8.5	Potable water		+	 	Limotogy	-	
Funnel viscosity.	 	33	Drill water		 	 	Top depth RT	55	8.00 m
PV/YP(cp/lb/100ft2)		 	9arites:		-		Trip gas %	-	
Gels 10secs / 10min			Cement		+	 	Connection Gas %	 	
WL API(cc/30min)	 		Gel		 	 	Background gas %		
WL HTHP(cc/30min)			Base Oil			 	ECD (ppg)	LS / BOPS	
Cake (1/32")		_	PUMPS	1	2	3	LAST BOP DRILL	LO / BUPS	15.11=
Bollds %			TYPE	Clerk	 	 	LAST FIRE DRILL		15-May
Send %	\perp		STROKE(in)	10			LAST MOB DRILL		-
MBT(Ib/bbl)			LINER(In)	5 1/2		<u> </u>	LAST ABN. RIG DRILL		+-
ዝ			SPM	41			LAST BOP TEST		14-May
Chlorides (mg/l)			GPM	192			BOP TEST DUE		21-May
(CI %		2	AV-DP(FVmIn)	160				HRS	CUM
PHPA (Calc ppb)		1/2	AV-DC(FVmin)			_	1. Rig up / down.	1.00	28.00
			SPP(kPa/psi)				2. Drilling.		29.00
lole volume obls.	-	69 / 46	SCR @ 40				3. Reaming.		2.00
urface volume bbls.		60	SCR @ 50				4. Trip	6.00	27.00
u B	BIT DATA			ATHER / RIG	RESPONSE		5. Circ. / condition.	1.50	8.00
It Run	RR3	4	Wind Speed (kts)				6. Deviation survey		
lameter vpe & manufacture	6 1/8	6-1/8	Direction				7. Run casing		9.50
ADC code	Varel L127	Varel ETD 14	Temperature				8. Cementing		
erfal number	127	4.3.7	Beromeiric pressur				9. Handle Preventors		
ozzles	180115	146729	Barometer rise / fall				10. Riser, flowline		<u> </u>
epth In (m)	574m	14. 14. 11 742m	Visibility(NM)				11. Logging.		
epth Out	742m	742m	Sea state				12. Press. lest BOP		
rilled (m cum/dly)	168m	 	Swall / Period / Direc		<u> </u>		13. Repair rig.		2.00
ours (cum/dly)	9	 	Waves / period / dire	ction	 		14. Service rlg.		
ull grade	7.7.WT,E.1,PR	 	Heave Pitch				15. Slip / cut drlg line		
rerage ROP (m/hr)	18.0	 -	Roll				16. Drill stem test		
VO8 Klbs	5		Anchor tension				17. Flahing.		
RPM	90		Anchor tension				18. Well control.		
et velocity			Riser tension				19. Hang-off.		
IHP @ BIT		_	VARIABLE DECK LO	AD (((ne)	-		21. W.O.Weather		
BHA No.	3	BHA WEIGHT		A CICIDS)	STRING WT		22. Lost circ.		1.00
lA Profile :	Bit / 2 Dc / Slab / 9 x				O WIND WIL		23. Plug / Abandon. 24. Mob / Demob		<u> </u>
		•	•			11			
OWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLING	DATA		25. Handle anchors.	0.50	
			DRAG - UP (mt)	J	-7170		26. Change drill pipe.	2.50	2.50
			DRAG - DOWN (mt)			1	27. Gulde base / ROV.		
			TORQUE-On Bottom				28. Coring 29.Travel	 -	3.00
			TORQUE-Off Bottom				90. W O Cement	1	6.00
						il's	TO THE SECURITY		

Ó							• • •	
,	•		DA	AILY DRILL	ING REPOR	!T		
	Deadman H	in Til				DAT		25.05.02
	PEP-157]				ORT#	15
RIG:	Sides Engin	eering]	•		DAY	s from spud	14
FROM	τo	HOURS						
7:00	8:00	1:00	Travel to site. Start :	up rlg.				
8:00	11:30	3:30	POOH.					
11:30	12:00	0:30	Change bit.					
12:00	13;00	1:00	Add dry gravel to ran					
13:00	14:30	1:30	RIH w/ drg assy and				 	
14:30	17:00	2:30	Unload 2-7/8" drill ph					
17:00	18:30	1:30	Circulate and conditi		/ PAC-R to lower wa	iter loss and build vit	scoalty. WO OX 6	
18:30 19:00	19:00	0:30	Shut down. Travel to	o town.				
	 							
			Personnel on site: S	Ides Englneering 5				
	 		Homer, Westman, M					
			2 x ADST					
			1 losd 2-7/8" drill plp	e Dyers.				
			Recd xx jts 2-7/8° dr	ill pipe. 2 xos manu	ufactured Leighton E	ngineering.	···	
				-				
			† · · · · · · · · · · · · · · · · · · ·					
	 							
-								
	·						•	
			Chemicals used -	1 sx XCD. 1 sx PA	AC-R. SER KCL.			
	 							
	l							
			· · · · · · · · · · · · · · · · · · ·					
	ļ		 			· · · · · · · · · · · · · · · · · · ·		
			 					
	 							
	 		-				· · ·	
	 							
-								
DEDAW	IONS TO 060	MPC.	<u></u>					
								-
Aufflit O	perations only	···						
ROGRA	MME NEXT	24 HRS:						
BULK		GEL(\$x)	BARITE(ex)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(
ERSON	NEL ON RIG		1	TRANSPORTATIO	N		COSTS	
PERAT				NAME	LOCATION		DAILY MUD	
	S CONT.		WORKBOAT			CUN	MULATIVE MUD	
	COMPS		WORKBOAT				DAILY WELL	
THER		<u> </u>	STANDBY BOAT		-	CUM	ULATIVE WELL	
	•		HELICOPTER					
		ı	1	l	I			L
TOTAL			HELICOPTER					

			La Daily D	akes C						
WELL:	Deadman Hill				•		DATE:	24-May-02		
PERMIT:	PEP-157						REPORT# 14			
RIG:	Sides Engineerin	9					D.F.S. 13			
DEPTH 0800 Hrs:	742.00 m		STATUS @ 06:00 I	Hrs:	Drill ahead.					
TVD:	742.00 m		FORMATION:		Golden Beach					
24 HR PROGRESS:	153.00 m	LAST CASING:	7	@	548.6m		SHOE L.O.T.:			
HOLE SIZE:	6-1/8°	WD (LAT):		•	-GL/Airgap:		MAASP:			
SURVEYS:										
MUD PROP	EDTIES			CONSUM	ARI ES		FORMA'	TION DATA		
	ERITES	575		Rig	Workboat	Workboat	Name	Golden	Beach	
Sample taken @ Flowline Temp *C		3/3	Fuel	Tag	***************************************	William	Lithology			
Weight ppg/SG		0.5	Poleble water				Top depth RT.	558.00	0 m	
Funnel viscosity.		39	Orill water				Trip gas %			
PV/YP(cp/lb/100ft2)			Barites				Connection Gas %			
Gels 10secs / 10min			Cement				Background ges %			
WL API(cc/30min)			Gel				ECD (ppg)			
WL HTHP(cc/30min)			Base Oil				DRILL	S / BOPS		
Cake (1/32")			PUMPS	1	2	3	LAST BOP DRILL		15-May	
Solids %			TYPE	Clark			LAST FIRE DRILL			
Sand %			STROKE(in)	10			LAST MOB DRILL			
MBT(lb/bbl)			LINER(in)	5 1/2			LAST ABN. RIG DRILL			
PH			SPM	41			LAST BOP TEST		14-May	
Chlorides (mg/l)			GPM	192			BOP TEST DUE		21-May	
KCI %		2	AV-DP(Ft/mln)	160				HRS	CUM	
PHPA (Calc ppb)		1/2	AV-DC(F/min)				1. Rig up / down.		27.00	
			SPP(kPa/psi)				2. Drilling.	8.00	29.00	
Hole volume bbls.		69 / 46	SCR @ 40				3. Reaming.		2.00	
Surface volume bbls.		60	SCR @ 50				4. Trlp	1.50	21.00	
	BIT DATA			VEATHER / RIG	RESPONSE	,	5. Circ. / condition.	1.00	8.00	
Bit Run	RR3		Wind Speed (kts)				6. Deviation survey			
Diameter	6 1/8		Direction				7. Run casing		9.50	
Type & manufacture	Varel L127		Temperature				8. Cementing			
IADC code	127		Barometric pressu				9. Handie Preventors			
Serial number	180115		Barometer rise / fo	all			10. Riser, flowline			
Nozzles	12.12.12		Visibility(NM)				11. Logging.			
Depth in (m)	674m		Sea state				12. Press. test BOP	4 = 4		
Depth Out	RNG		Swell / Period / Din				13. Repair rig.	0.50	2.00	
Drilled (m cum/dly)	168m		Waves / period / di	rection		ļ. —	14. Service rig.			
Hours (cum/dly)	9		Heave				15. Stip / cut drig line			
Dull grade			Pitch				16. Drill stem test.			
Average ROP (m/hr)			Roll		<u> </u>		17. Fishing.			
WOB Kibs	5		Anchor tension		<u> </u>	<u> </u>	19. Well control.		ļ	
RPM	90		Anchor tension				19. Hang-off.		 	
Jet velocity	ļ. 	 	Riser tension	I OAD Areas	1		21. W.O.Weather 22. Lost circ.		1.00	
HHP @ BIT		BUA MIPIA	VARIABLE DECK	CUAD (KIPE)	STRING WT				1.00	
BHA No.	Bit / 2 Dc / Stab / 9:	BHA WEIGHT	<u> </u>	J	91 KING WI	L	23. Plug / Abandon. 24. Mob / Demob	 		
BHA Profile :	OICI & DC / STED / 91	1 4/4 UÇ					25. Handle anchors.		-	
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	T	DRILLING	C DATA		26. Position rig.			
POSSUROLE IDOCS	SERIAL NU.	NOTINEAUS PRO	DRAG - UP (mt)	DAILLIN	9717		27. Guide base / ROV	<u></u>	 	
		 	DRAG - DOWN (mt)	 		28. Coring	i	3.00	
———			TORQUE-On Bot		 		29.Travel	1	6.00	
 		 	TORQUE-Off Bol		 		30. W O Cement	 		
		 -	1011402-011 001	mail: (adv)	 		TOTAL (HRS)	12.00	108.50	
L		1					(11100)			

*			D	AILY DRILL	ING REPO	RT		
MELL	Deadmen I	HIII	7				 TE:	24.05.02
17	PEP-157	7111	1				PORT#	24.05.02
II .	Sides Engl	neering]				YS FROM SPUD	14
, Alo	Olddo Eligi		J			UA	13 PROM SPUD	13
FROM	TO	HOURS					***	
7:00	8:00	1:00	Travel in elle Stee	t up rig. Replace was	sh nine nasktes			
8:00	8:30	0:30	RIH w/ drlg assy. V		an biba backing.			
8:30	11:00	2:30	Drill 6-1/8" hole f/ 5				.	
11:00	11:30	0:30	Repair Kelly cock.	OSITI TO OSOTIL				
11:30	17:00	5:30	Drill ahead # 648m	b 742m			 -	
17:00	18:00	1:00		imple. Pull back to s	· · · · · · · · · · · · · · · · · · ·			
18:00	18:30	0:30	Shut down. Travel		anoe.			
16.00	10.30	0.80	Shot down. Traver	to town.				
	 							
	-							
		 -						
	 						·	
	 	 	Danas - I	Sides Engineering 5				·
	 -							_
	_		2 x ADST	Mulready Sisely, Me	aney.			
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	 		d land water Dune					
	_		1 load water Dyers.	·				
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		<u></u>						
		<u> </u>	Chemicals used -	5tx Gel.				
		ļ						
	.							
					•			
	L	<u> </u>	l					
	ONS TO GE							
Daylight op	erations only	/.	•				, , , , , , , , , , , , , , , , , , , ,	
PROGRA	MME NEXT	24 HRS:	Cement 7" csg.					
							;-	
BULK		GEL(6x)	BARITE(sx)	CEMENT(\$X)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(II)
		L						
	NEL ON RIG			TRANSPORTATION			COSTS	
OPERATO				NAME	LOCATION		DAILY MUD	
DRILLING			WORKBOAT			CUN	AULATIVE MUD	
SERVICE	COMPS		WORKBOAT				DAILY WELL	
OTHER			STANDBY BOAT			CUM	ULATIVE WELL	
			HELIÇOPTER					
TOTAL			HELICOPTER					
SUPER	VISOR(S)	W.J. 1	WESTMAN	ENGINEER			OIM	



LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 24 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

б

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

(Including this one)

• ,

MESSAGE:

Please find attached Daily Drilling Report No.11 for the Deadman Hill No. 1 Stratigraphic Core Hole.

- FYL
- Hoursh
not in Foclar
- Nead for WE forecast?
- Who's on WHE



(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 Fax: (03) 9629 1624

P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566

915149 042

Deadman Hill Location Longford Vic.

24th May 2002

Daily Report No. 12 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 23.5.02 Drilled to 642 m in Golden Beach Fm Next 24 hrs Change out drill pipe. Drill ahead.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

WELL: PERMIT:					g Report				
1	Deadman Hill						DATE:	24-May-0	2
ll .	PEP-157		Ħ				REPORT#		싁
RIG:	Sides Enginee	ering	j				D.F.S.	13	╡
DEPTH 0600 Hrs:	742.00 m	7	STATUS @ 06:00	Um.	Drill ahead.				
TVD:	742.00 m	╡	FORMATION:	tne.	Golden Beach				
24 HR PROGRESS:	163.00 m	LAST CASIN		1 ^					
HOLE SIZE:	6-1/8*	===		∫ ®.	548.5m	<u></u>	SHOE LO,T		<u>_</u>
	U-1/6	WD (LAT):		RT - GL / Air gap:	<u></u>	MAASE	' :[
SURVEYS:	PEDTICO								
Sample taken @	PERTIES	575			MABLES			ATION DATA	
Flowline Temp °C	 -	3/3	Fuel	Rig	Workboat	Workboat	Name	Golde	on Beach
Weight ppg/SG	 -	8.5	Potable water		· ·		Lithology	 	
Funnel viscosity.		33	Drill water				Top depth RT.	558	3.00 m
PV/YP(cp/lb/100ft2)		- 30	Barites		 -		Trip gas %		
Gels 10secs / 10min	 	-					Connection Gas %		
WL API(cc/30min)	 		Cernent				Background gas %	↓ _	
WL HTHP(cc/30mln)	 	 	Base QII	-			ECD (ppg)		
Cake (1/32")	 	 	PUMPS	-				LS / BOPS	-,
Solids %		 	TYPE	1	2	3	LAST BOP DRILL		15-May
Sand %			STROKE(In)	Clark 10	 		LAST FIRE DRILL		<u> </u>
MBT(Ib/bbi)	 		LINER(in)				LAST MOB DRILL		
PH	_	 	SPM	5 1/2 41			LAST ABN, RIG DRILL		┼—
Chlorides (mg/i)	 	 	GPM	192			LAST BOP TEST		14-May
KCI%		2	AV-DP(FVmin)				BOP TEST DUE		21-May
PHPA (Calc ppb)	 	1/2	-	160	 			HRS .	CUM
Total phol		1/2	AV-DC(Fl/min)				1. Rig up / down.		27.00
Hole volume bbls.		69 / 46	SPP(kPa/psi)		╀─────		2. Drilling.	8.00	29.00
Surface volume bbls.		60	SCR @ 40		 		3. Reaming.		2,00
	BIT DATA	1 00	SCR @ 50	EATHER / RIC	DECRONOR		4. Trip	1.50	21.00
Bil Run	RR3		Wind Speed (kis)	EXTINCK / Kill	NESPUNSE		5. Circ. / condition.	1.00	8.00
Diameler	6 1/8		Direction		 		6. Deviation survey		
ype & manufacture	Varel L127		Temperature		 		7. Run casing		9.50
ADC code	127		Barometric pressure	a rahibar	 		8. Cementing		
Berlai number	180115	 	Barometer rise / fall		 		9. Handle Preventors		
lozzies	12.12.12		Visibility(NM)	<u> </u>			10. Riser, flowline		
Depth in (m)	574m		Sea state		 		11. Logging.		
Depth Out	RNG		Swell / Period / Direc	lion	 		12. Press. lest BOP		
rilled (m cum/dly)	168m		Waves / perlod / dire		 		13. Repair rig.	0.50	2.00
lours (cum/dly)	9	 	Heave	0000	 		14. Service rig.		
ull grade			Pitch		 		15. Slip / cut drig line		
verage ROP (m/hr)			Roll				16. Drill stem test.		
WOB Kibs	5		Anchor tension				17. Fishing.		
RPM	90		Anchor tension		-		18. Well control.		
Jet velocity			Riser tension				19. Hang-off.		
HHP @ BIT			VARIABLE DECK LO	AD //(Ins)			21. W.O.Weather		
BHA No.	3	BHA WEIGHT		are (tupe)	STRING WT		22. Lost circ.		1.00
HA Profile :	Bit / 2 De / Stab / 9 x				OTKING IV		23. Plug / Abendon. 24. Mob / Demob		<u> </u>
_									
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLING	DATA	——————————————————————————————————————	5. Handle anchors.		
			DRAG - UP (mt)				6. Position rlg.		
			DRAG - DOWN (mt)			. 11	27. Guide base / ROV.		
			TORQUE-On Botton				88. Coring		3.00
			TORQUE-Off Bottom				9.Travel	1	6.00
							0. W O Cement TOTAL (HRS)	12.00	109.50

			···	DAILY DRI	LLING REP	ORT		
WELL:	Deadman H	libi					DATE:	
	PEP-157		=		•			24.05.0
RIG:	Sides Engir	eering	╡				REPORT#	14
			_			C	AYS FROM SPUD	13
FROM	TO	HOURS						
7:00	8:00	1:00	Travel to site. S	tart up rig. Replace	wash pipe packing.			
8:00	8:30	0:30		. Wash to bottom.				
8:30	11:00	2;30		f/ 589m to 648m.				
11:00	11:30	0:30	Repair Kelly coo					
11:30 17:00	17:00	5:30	Drill shead f/ 64					
18:00	18:00 18:30	1:00 0:30	Shut down. Trav	sample. Pull back	to shoe.			
	15.50	0.50	Shift down, 118	vei to town.				
_								
			Bomes-I and	SHF				
-	 ∤			: Sides Engineering				
_			2 x ADST	n. Muiready Sisely, i	Mesney.			
			1 load water Dye	rş.				
			Chemicals used	- 5sx Gel.				
-								
	IS TO 0600 Itions only.	HRS:						
	IE NEXT 24	une.						
JLK	IE NEXT 24		Coment 7 csg.	1				
	ON RIG	GEL(ax)	BARITE(sx)	CEMENT(sx)		POT WATER(mt)	DIESEL FUEL(it)	HELI FUEL(II
RATOR	ON KIG			TRANSPORTATIO			COSTS	
LLING CO	DNT .		WORKS	NAME	LOCATION		DAILY MUD	
EVICE CO			WORKBOAT			CUN	MULATIVE MUD	
IER			WORKBOAT				DAILY WELL	
	- -		STANDBY BOAT			CUM	ULATIVE WELL	
AL	- -		HELICOPTER HELICOPTER	 				
UPERVIS	<u> </u>		ESTMAN	I	l i	·		

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 12

Date: 23-05-2002

Depth: 742m

Progress:153m

Days from Spud: 12

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

7' at 549m

Comments:

RIH with 6.125" drilling assembly, Trip gas at 589m 1 unit, drill ahead 589-742m.

Interval (mRT)		Hydrocarbon Show Summary	Gas
589-742	No show		0-Trace
693-742	No show		Tr - 2 units

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzelecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101 554	Surface +35 -22 -41 -494	0 21 Low 2 High 5 Low 183 Low

Page 2

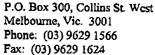
915149 046

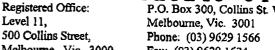
LAKES PETROLEUM N.L.

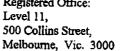
(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 12

	Lithological and Fluorescence Description
Interval (m)	Description
589-647	SILTY CLAYSTONE: (60%) off white to medium grey, slightly to very silty, very finely arenaceous with quartz and partially altered feldspar sand grains in part, rarely slightly calcareous, trace black coaly specks, trace micromica, rare pyrite, firm, sticky in sample, non fissile. Interbedded with: SANDSTONE: (39%) very light grey, very fine to rarely coarse, dominantly very fine to fine, angular to subrounded, dominantly subangular, moderately sorted, abundant white argillaceous matrix, weak silica cement, occasional dolomite and pyrite cement, quartzose with common partially altered feldspar grains, trace grey lithics, trace coarse clear mica flakes, trace black coaly detritus, friable, poor to fair inferred porosity, no oil fluorescence. and minor: DOLOMITE: (1%) medium brown, cryptocrystalline, common dispersed very fine to fine quartz sand grains, trace pyrite, very hard.
647-693	SANDSTONE: (70%) very light grey, very fine to medium, dominantly very fine to fine, angular to subrounded, dominantly subangular, moderately sorted, abundant white argillaceous matrix, weak silica cement, trace pyrite cement, quartzose with common partially altered feldspar grains, trace grey green and brown lithics, trace coarse clear and brown mica flakes in part, trace black coaly detritus, friable, poor to fair inferred porosity, no oil fluorescence. Interbedded with: SILTY CLAYSTONE: (30%) medium grey, slightly to very silty, rarely very finely arenaceous with quartz and partially altered feldspar sand grains, rarely slightly calcareous, trace black coaly specks and detritus, trace micromica, rare pyrite, firm, sticky in sample, non fissile. With rare: DOLOMITE: (Trace) light to medium brown, cryptocrystalline, common to abundant dispersed very fine to fine quartz sand grains, trace pyrite, very hard.
693-742	SANDSTONE: (20%) very light grey, very fine to medium, dominantly very fine to fine, angular to subrounded, dominantly subangular, moderately sorted, abundant off white argillaceous matrix, weak to moderate silica cement, trace dolomite and pyrite cement, quartzose with abundant partially altered feldspar grains, common grey green and brown lithics, trace black coaly detritus, trace mica flakes, friable, poor inferred porosity, no oil fluorescence. Interbedded with: SILTY CLAYSTONE: (80%) light to medium grey, rarely greenish grey, slightly to very silty, very finely arenaceous with quartz and partially altered feldspar sand grains in part, slightly calcareous in part, trace black coaly specks and detritus, trace micromica, rare pyrite, firm, sticky in sample, non fissile.









FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 23 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

(Including this one)

MESSAGE:

Please find attached Daily Drilling Report No.11 for the Deadman Hill No. 1 Stratigraphic Core Hole.

Fax: (03) 9629 1624



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

Deadman Hill Location Longford Vic.

23rd May 2002

Daily Report No. 11 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 22.5.02 Cut Core#1 565-574 m POH Recovered 3.9 m 41% RIH drilled to 589 m

Next 24 hrs Drill to TD

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

			L	akes (Oil		•		
			Daily [Drilling	Report				
WELL:	Deadman Hill		7				DATE:	23-May-02	
PERMIT:	PEP-157		f				REPORT#	13	-
RIG:	Sides Engineer	rina	รี				D.F.S.	12	ㅓ
							D .1 13.	12	
DEPTH 0600 Hrs:	589.00 m		STATUS @ 06:00	Hrs:	Drill ahead.				
TVD:	689.00 m	<u>ן</u>	FORMATION:	_	Golden Beach				
24 HR PROGRESS:	24.00 m	LAST CASING	7	@	548.5m]	SHOE LO.T.	:]
HOLE SIZE:	6-1/8"	Ŭ (LA1)		ı	RT - GL / Air gap:		MAASP	:	J
SURVEYS:						_			
MUD PRO	PERTIES	T	1	CONSU	MABLES		FORM	ATION DATA	
Sample taken @		575		Rig	Workboat	Workboat	Name		n Béach
Flowline Temp °C			Fuel				Lithology		
Weight ppg/SG		8.5	Potable water				Top'depth RT.	558.	00 m
Funnel viscosity.		33	Orifl water				Trip gas %		
PV/YP(cp/lb/100ft2)	<u> </u>		Barites				Connection Gas %		
Gels 10secs / 10min			Cament				Background gas %		
WL API(cc/30min)			Gel				ECD (ppg)		
WL HTHP(cc/30min)		ļ <u>.</u>	Base Oil					LS / BOPS	
Cake (1/32")			PUMPS	1	2	3	LAST BOP DRILL		15-May
Solids %			TYPE	Clark			LAST FIRE DRILL		
Sand %			STROKE(in)	10	 		LAST MOB DRILL		——
MBT(Ib/bbl) PH		 	LINER(in)	5 1/2			LAST ABN. RIG DRILL		
Chlorides (mg/l)		 	SPM	41			LAST BOP TEST		14-May
KCI %	 	2	GPM AN DOUGLE-	192		-	BOP TEST DUE	1	21-May
PHPA (Celc ppb)		1/2	AV-DP(Ft/min)	160	 		4 5: 11	HRS	CUM
THA (OBC PPP)		178	AV-DC(Fl/min) SPP(kPa/psi)				1. Rig up / down.	1.00	27.00
Hole votume bbts.		69 / 46	SCR @ 40				2. Orilling. 3. Reaming.	1.00	21.00
Surface volume bbls.		60	SCR @ 50		1		4. Trip	7.00	2.00 19.50
	BIT DATA			EATHER / RIG	RESPONSE		5. Circ. / condition.	0.50	7,00
Bil Run	RR3		Wind Speed (kts)				6. Deviation survey	0.50	1.00
Diameter	6 1/8		Direction				7. Run casing	-	9.50
Type & manufacture	Varel L127		Temperature		1 1		8. Cementing		
IADC code	127		Berometric pressu	re milliber	1		9. Handle Preventors		
Sertal number	180115		Barometer rise / fa	i			10. Riser, flowline		
Nozzies	12.12.12		Visibility(NM)				11. Legging.		
Dopih in (m)	574m		Sea state				12. Press. test BOP		
Depth Out	RNG		Swell / Period / Dire	ction			13. Repair rig.		1.50
Drilled (m cum/dly)			Waves / period / dire	ection			14. Service rig.		
Hours (cum/dly)	1		Heave				15. Slip / cut drlg llne		
Duli grade			Pitch				16. Drill stern test		
Average ROP (m/hr)	<u> </u>	<u> </u>	Roll				17. Fishing.		
WOB Kibs	5		Aπchor tension				18. Well control.		
RPM	90		Anchor tension				19. Hang-off.		ļ
Jet velocity HHP @ BIT			Riser tension	0.10 //o			21. W.O.Weather		
BHA No.	3		VARIABLE DECK L	OAD (KIPS)	27000		22. Lost circ.		1.00
	Bit / 2 Dc / Stab / 9 >	BHA WEIGHT			STRING WT		29. Plug / Abandon.		
		55				İ	24. Mob / Demob		-
DOWNHOLE TOQLS	SERIAL No.	ROT/REAM HRS		DRILLING	DATA		25. Handle anchors.		-
STAMINGER INVES	OFUNE HO		DRAG - UP (mt)	DRILLING	JUAIA		26. Position rig.		<u> </u>
			DRAG - DOWN (m)	<u> </u>	 		27. Gulde base / ROV.		2.00
			TORQUE-On Botto	<u> </u>			28. Coring 29.Travel	3.00	3.00
								1	6.00
1			TORQUE-Off Botto	m (amos) m	l .		30. W O Cement		3

				DAILY DRIL	LING REPO	RT		
WELL!	Deadman H		7 .					
	PEP-157						ATE:	29.05.02
	Sides Engin	podpo	4 .				PORT#	13
, KIG:	Sides Eligin	isering			•	DA	YS FROM SPUD	12
FROM	TO	HOURS						
7:00	7:30	0:30	Travel to site. Sta	irt up rig.				
7:30	8:00	0:30	Wash to bottom w	core barrel. Drop	ball.			
8:00	10:00	2:00	Cut core #1. 585m	n to 574m.				
10:00	13:00	3:00	POOH.					
13:00	14:00	1:00			m to 569.7m. (3.7m),			
14:00	16:00	2:00	RIH w/ bit. Break					
16:00	17:30	1:30	Drill 6-1/8" hole 57	_				
17:30	16:30	1:00		ample. Pull back to	shoe.			
16:30	19:00	0:30	Shut down. Trave	to town.				
			<u> </u>		_			
			<u> </u>					
			-		· · · · · · · · · · · · · · · · · · ·			
			Domanal as -"	Oldon Englis 1	<u> </u>			
				Sides Engineering Mulready Steely, M				
			2 x ADST	wuiready Sissiy, M	eaney.			
			= A AUG!					
			 	· · · · · · · · · · · · · · · · · · ·		, _		
			 					
								
			 					
			 -					
				•				
			 					
 							_	
			 					
			Chomicals used	. 10er Gal				
			Automorale need	- 103Y G&F				
	+							
								
			 					
				•			 ′	
								
								
								
						····		
ERATIC	NS TO 0600	HRS:	<u> </u>					
	rations only.							~ ~
								
OGRAN	ME NEXT 2	4 HRS:	Cement 7" csg.					
ULK		GEL(ax)	BARITE(ex)	CEMENT(8X)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(
2607111	EL ON RIG		-					
ERATO				TRANSPORTATIO			COSTS	
			IMODICEO AS	NAME	LOCATION		DAILY MUD	
ILLING			WORKBOAT			CUN	MULATIVE MUD	
RVICE	JUNIPS		WORKBOAT	ļ	<u> </u>		DAILY WELL	
HER			STANDBY BOAT		 	CUM	ULATIVE WELL	
TAI			HELICOPTER	 				
TAL	ISOR(S)		HELICOPTER VESTMAN	ENGINEER				
خد رحد								

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 11

Date: 22-05-2002

Depth: 588m

Progress:23m

Days from Spud: 11

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Homer

Last Casing:

7' at 549m

Comments:

RIH with core barrel, cut 2.375" core from 565.0-574.0m. Cut 9m. Recovered 566.0-569.7m (3.7m or 41% recovery). RIH with 6.125" drilling assembly, drill ahead 574-588m..

Interval (mRT)		Hydrocarbon Show Summary	Gas
565-588	No show		0

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzlecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101 554	Surface +35 -22 -41 -494	0 21 Low 2 High 5 Low 183 Low

^{*}Provisional, based on mudlog

Page 2

915149 052

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 11

	Lithological and Fluorescence Description
Interval (m)	Description
565-569	SILTY CLAYSTONE: (100%) medium grey to occasionally medium dark grey, slightly to very silty, occasionally very finely arenaceous with quartz and partially altered feldspar sand grains, trace to common black coaly specks, trace to occasionally common micromica, firm, non fissile.
569-574	SANDSTONE: (100%) very light grey to occasionally light brown grey, very fine to rarely coarse, dominantly very fine to fine, angular to subrounded, dominantly subangular, poor to moderate sorting, common to abundant white argillaceous matrix, quartzose with abundant partially altered feldspar grains, trace to occasionally common grey lithics, trace fine black coaly detritus, friable, fair visual porosity, no oil fluorescence.
574-588	SILTY CLAYSTONE: (50%) medium grey, slightly to very silty, occasionally very finely arenaceous with quartz and partially altered feldspar sand grains, trace black coaly specks, trace micromica, firm, sticky in sample, non fissile. Interbedded with: SANDSTONE: (50%) very light grey, very fine to rarely coarse, dominantly fine to fine, angular to subrounded, dominantly subangular, moderately sorted, common to abundant whi argillaceous matrix, quartzose with common partially altered feldspar grains, trace grey lithics, common coarse clear and brown mica flakes, trace black coaly detritus, friable, poor fair inferred porosity, no oil fluorescence.

Page 3

DEADMANS HILL No.1 CORE #1 CORE No.1 CUT 565.0 - 574.0m RECOVERED 566.0 to 569.7m (3.7m) (41% recovery). From drill rate correlation, the missing section of the core has been assessed to be 1 meter of core (presumably silty claystone) from the top lost due to pump problems and pump pressure build-ups, with the remaining loss of 4.3m (presumably friable very fine to fine gained sandstone) from the base of the core. LITHOLOGY: 566.0 - 569.0m SILTY CLAYSTONE: medium grey to occasionally medium dark grey, slightly to very silty, occasionally very finely arenaceous with quartz and partially altered feldspar sand grains, trace to common black coaly specks, trace to occasionally common micromica, firm, non fissile. No apparent sedimentary structure, bedding at 0 degrees, rare slickensides. 569.0 - 569.7m SANDSTONE: very light grey to occasionally light brown grey, very fine to rarely coarse, dominantly very fine to fine, angular to subrounded, dominantly subangular, poor to moderate sorting, common to abundant white argillaceous matrix, quartzose with abundant partially altered feldspar grains, trace to occasionally common grey lithics, trace fine black coaly detritus, friable, fair visual porosity, no oil fluorescence. Thin band at top (4 cm) of coarser sandstone. No apparent sedimentary structure, beddiing at 0 degrees. DRILL RATES (min/m): 565-566 (11.0), 566-567 (29.0), 567-568 (29.0), 568-569 (23.0), 569-570 (2.0), 570-571 (1.0), 571-572 (3.0), 572-573 (3.0), 573-574 (1.0). No ditch gas was detected whilst coring. No oil fluorescence was observed in the core. SAMPLES TAKEN FOR ANAYSIS: 2 plugs were taken from the core for porosity/permeability/grain density analysis (569.22m, 569.55m) and were sent to Core Laboratories in Perth. 2 sections of core were taken for palynological analsis (566.1m, 568.4m) and were to sent to Dr. A. Partridge in Perth.

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

915149 054

NO.807

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 22 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

5

(Including this one)

MESSAGE:

Please find attached Daily Drilling Report No. 8 and 9 for the Deadman Hill No. 1 Stratigraphic Core Hole.



Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 Fax: (03) 9629 1624

P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566

Deadman Hill Location Longford Vic.

915149 055

20th May 2002

Daily Report No. 8 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 19.5.02 Ran 7 inch casing to 548 m Next 24 hrs Cement 7 inch casing, install BOPs

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566 Fax: (03) 9629 1624

Deadman Hill Location Longford Vic.

915149 056

20th May 2002

Daily Report No. 9 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 20.5.02
Cemented 7 inch casing at 549 m
Installed and tested BOPs
Next 24 hrs
Drill out casing shoe, POH, make up core barrel RIH

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

^				akes (Prilling	Oil Report		•		
WELL:	Déedman Hill					-	DATE:	22-May-02]
PERMIT:	PEP-157						REPORT#	12	j
RIG:	Sides Engineerl	ng					D.F.S.	11	j
DEPTH 0800 Hrs:	565.00 m	7	STATUS @ 06:00 I	den.	Prepare to cu	t com #1			
	565.00 m	J 7	FORMATION:	MF9.	Golden Beach				
TVD:	865.00 m]		-			CUAET AT-		1
24 HR PROGRESS:		LAST CASING:		@ _	548.5m		SHOE LO.T.:] 1
HOLE SIZE:	6-1/8"	WD (LAT):		R	T - GL / Air gap:		MAASP:		<u> </u>
SURVEYS:									
MUD PROP	ERTIES			CONSUN				TION DATA	
Sample taken @		675		Rig	Workboat	Workboal	Name	Goldan	Béach
Flowline Temp *C			Fuel	•			Lithology	CEO C	<u> </u>
Weight ppg/SG		8.5	Potable water				Top depth RT.	\$58.0	₩ m
Funnel viscosity.		33	Drill water				Trip gas %	 	
PV/YP(cp/lb/100fl2)			Berites				Connection Gas %		
Gels 10secs / 10min	 		Cement		 		Background gas %		
WL API(cc/30min)		 .	Base Oll		 		ECD (ppg)	S/BOPS	
WL HTHP(cc/30min)		 	PUMPS	1	2	3	LAST BOP DRILL	010010	15-May
Cake (1/32°) Solids %		-	TYPE	Clark			LAST FIRE DRILL		Torivies
Sand %			STROKE(In)	10			LAST MOB DRILL		
MBT(lb/bbl)		 	UNER(in)	5 1/2	<u> </u>		LAST ABN. RIG DRILL		
PH		 	SPM	41	 		LAST BOP TEST		14-May
Chlorides (mg/l)	· · · · · · · · · · · · · · · · · · ·	 				BOP TEST QUE		21-May	
KCI %		2	AV-DP(Ft/min)	160				HRS	CUM
PHPA (Calc ppb)		1/2	AV-DC(Ft/min)				1. Rig up / down.		27.00
7 - 1, 1, 1, 100, 100, 100, 100, 100, 100			SPP(kPa/psl)				2. Orlking.	<u> </u>	21.00
Hole volume bbls.		69 / 46	SCR @ 40				3. Reaming.	1.00	2.00
Surface volume bbls.		60	SCR @ 50				4. Trip	8.00	19.50
	BIT DATA			EATHER / RIG	RESPONSE		5. Circ. / condition.	1.00	7.00
Bit Run	3	4	Wind Speed (kts)				8. Deviation survey		
Diameter	6 1/9	6	Direction				7. Run casing		9.50
Type & manufacture	Varel L127	Core head	Temperature				8. Cementing		
IADC code	127		Barometric pressu	ne millibar			9. Handle Preventors		
Serial number	180115		Barometer rise / fa				10. Riser, flowline		
Názzles	12.12.12		Visibility(NM)				11. Logging.		
Depth In (m)	564m		Sea state				12. Press. test BOP		
Depth Oul	565m		Swell / Period / Dire	ection			13. Repair rig.		1.50
Drilled (m cum/dly)	1m		Waves / period / dir	rection			14. Service rig.		
Hours (aum/dty)	1		Heave				15. Slip / cut drlg line		
Dull grade	New		Pitch				16. Drill slem test.		
Average ROP (m/hr)			Roll				17. Fishing.		
WOB Kibs	5		Anchor bension				18. Well control.		
RPM	90		Anchor Lension				19, Hang-off.		<u> </u>
Jet velocity			Riser tension				21. W.O.Wealher	ļ	
HHP @ BIT			VARIABLE DECK	LOAD (Kips)	<u> </u>		22. Lost circ.		1.00
BHA No.	3	BHA WEIGHT			String WT		23. Plug / Abandon.		ļ
BHA Profile :	Bil / 4 x 4%" DC						24. Mob / Demob		
	T		ī				25. Handle enchors.	 	_
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLIN	G DATA		26. Position rig.		
		1	DRAG - UP (mt)				27. Guide base / ROV	· · · · · · · · · · · · · · · · · · ·	1
			DRAG - DOWN (1				29. Others	 	0.50
		ļ	TORQUE-On Bott				29.Travel	1	<u> </u>
			TORQUE-Off Bot	(34mg) mot			30. W O Cement TOTAL (HRS)	<u> </u>	91.00
ii .								11.00	

•			_		l Limited			
WEIII	Deadman H	III .				DA	TF.	22.05.02
	PEP-157		=				PORT#	12
	Sides Engin	á éring	1			_	S FROM SPUD	11
KIG.	Cides Engin	oding	J .			ν.	·	
FROM	то	HOURS						,
7:00	7:30	0:30	Travel to site. Start	up rig.				
7:30	9:00	1:30	RiH. Tag plug at 43	8m. Pressure teat	Plpe rams, Choke m	anifold, Annular 10	00psi 10 mlns OK.	
9:00	10:00	1:00	Ream out plug, float	t, end shoe. Ream	out rat hole to 584m			
10:00	10:30	0:30	Orill 6-1/8" hole 564	m to 565m.				· · ·
10:30	11:30	1:00	Circulate bottom sa	mple. Condition mu	ıd.			
11:30	14:30	3:00	POOH.					
14:30	15:30	1:00	P/u core barrel.					
15:30	18:30	3:00	RIH.					
18:30	19:00	0:90	Shut down. Travel	to lown.				
	-							
			Personnel on alte: 5	Idoo Essissavias E				
			Homer, Westman, N					
		·	nomer, wesuman, i	wuiready Sisely, Me	aney.			
	 		 				·	
	 		<u> </u>					
	ļ							
	ļ							
	<u> </u>						···	
	<u> </u>							
			Chemicals used -	10sx Gel.				
			1.					
-								
			T					**
			† · · · · · · · · · · · · · · · · · · ·					****
	 							
OPERATI	ONS TO 080	O HRS:	-l	·				
	erations only							
yg.n. op							-	
PROGRA	MME NEXT	24 HRS:	Cement 7° csg.					
BULK		GEL(sx)	BARITE(sx)	CEMENT(ax)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(h)
							1	
PERSON	NEL ON RIG		1	TRANSPORTATIO	N		COSTS	
OPERATO				NAME	LOCATION		DAILY MUD	
DRILLING			WORKBOAT			CUI	MULATIVE MUD	
SERVICE			WORKBOAT				DAILY WELL	
OTHER			STANDBY BOAT			CHM	ULATIVE WELL	
SITIEN			HELICOPTER			CON		
WY4.			4	}	ļ			
TOTAL			HELICOPTER		1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
SUPER	RVISOR(\$)	w.J.	WESTMAN	ENGINEER			OIM	



LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566

Fax: (03) 9629 1624

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 20 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

(Including this one)

3

MESSAGE:

Please find attached Daily Drilling Report No. 6 and 7 for the Deadman Hill No. 1 Stratigraphic Core Hole.

F			La	ıkes C)il		,		
			Daily D	rilling	Report				
WELL:	Deadman HIII						DATE:	18.5.02	
PERMIT:	PEP-157						REPORT#	9	
1	Sides Engineerin	g					D.F.S. [7	
DEPTH 0600 Hrs:	564.00 m		STATUS @ 08:00 I		Prepare to rui	n 7° csg.			
TVD:	564.00 m		FORMATION:		Latrobe.				
24 HR PROGRESS:	45.00 m	LAST CASING:		Ø	48m		SHOE L.O.T		
HÔLE SIZE:	8%	WD (LAT):	3-0,0	_	T - GL / Air gap:		MAASP:		
	0/3	WD (DA1).							
SURVEYS:	FRTIFS			CONSUM	IABLES		FORMAT	ION DATA	
Sample taken @	519	564		Rlg	Workboal	Workbost	Name	Golden	Beach
Flowline Temp °C			Fuel				Lithology		
Weight ppg/SG	9	9.1	Potable water				Top depth RT.	558.0	0 m
Funnel viscosity.	33	36	Drill water				Trip gas %		
PV/YP(cp/lb/100ft2)			. Barites				Connection Gas %		
Gets 10secs / 10min			Cernent				Background gas %		
WL API(cc/30min)			Gel				ECD (ppg)		
WL HTHP(cc/30min)	•		Base Oil		<u> </u>		4	S / BOPS	45.4
Cáke (1/32")			PUMPS	1	2	3	LAST BOP DRILL		15-MBy
Solids %			TYPE	Clark	ļ		LAST FIRE DRILL		
Sand %			STROKE(in)	10			LAST MOB DRILL LAST ABN. RIG DRILL		
MBT(ID/bbi)			LINER(in)	5 1/2					14-May
PH			SPM	45 230			LAST BOP TEST		21-May
Chlorides (mg/l)			GPM AV DRICK-I-X	95			BOP TEST DUE	HRS	CUM
KCI %	4	1/2	AV-DP(Fl/min)	165			1, Rig up / down.	ring	27.00
PHPA (Calc ppb)	1/2	1/2	AV-DC(Ft/mln)	400			2. Drilling.	2.50	21.00
Hala wake a bible	35	89 / 72	SPP(kPa/psl) SCR @ 40	400			3. Reaming.	2.00	1.00
Hole volume bbls.	50	60	SCR@50				4. Trip	5,50	. 11,50
Surface volume bbls.	BIT DATA	80		EATHER / RIG	RESPONSE	····	5. Circ. / condition.	2.00	5.00
Bit Run	2		Wind Speed (kts)		1.501 0.105		6. Deviation survey		
Diameter	8%		Direction	-			7. Run casing		
Type & manufacture	Varel L114		Temperalure				8. Cementing		
IADC code	114	~	Barometric pressu	ıre millibar			9. Handle Preventors		
Serial number	105479		Barometer rise / fa	all			10. Riser, flowline		
Nozzles	14.14.11		Visibility(NM)				11. Logging.		
Depth in (m)	60m		Sea state				12. Press. test BOP		
Depth Out	519m		Swell / Period / Din	ection			13. Repair dg.		1.50
Drilled (m cum/dly)	459m		Waves / period / di	rection			14. Service rig.		
Hours (cum/dly)	16.5		Heave				15. Slip / cut drig line		
Dull grade	RNG		Pilch				16. Drill slem test.		
Average ROP (m/hr)	28.0		Roll				17. Fishing.		
WQB Kibs			Anchor tension	 			18. Well control.		
RPM	70		Anchor lension	· · ·			19. Hang-off.		
Jet velocity			Riser tension	,, ···			21. W.O.Weather		
HHP @ BIT			VARIABLE DECK	LOAD (Kips)	L		22. Lost circ.		
BHA No.	2 Div / 2 × DC / S(ab /	BHA WEIGHT			STRING WT	L	23. Plug / Abandon. 24. Mob / Demob		
BHA Profile :	Bit / 2 x DC / Slab /	4 4 UU					24. Mob / Demob 25. Handle anchors.		
DOIMHIAI F TOOL O	OFFIRE No.	DOTINEAR LINE		DRILLIN	G DATA		26. Posillon rig.	· · · · · · · · · · · · · · · · · · ·	
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	1	UKILLIN	JUAIA		-		
	 	 	DRAG - UP (ml)	mith			27. Guide base / ROV		0.50
<u> </u>	 	-	DRAG - DOWN (I		+		28. Others 29.Travel	1	0.50
 	 		TORQUE-Off Bot		 		30. Lost circ		
<u> </u>	 		TORQUE-OILBOX	min (giliba)	+		TOTAL (HRS)	11.00	69.50
L	L	<u> </u>	J				L TOTAL (IIX3)		1 00.00

1			L	akes Oil	Limited	•	•	
,			DA	AILY DRILL	ING REPOR	RT		
wei d	Doodman	Jui				DAT	 	18.5.02
PERMIT:	Deadman F	1III	<u> </u>				ORT#	9
	Sides Engli	nooring]				S FROM SPUD	7
HIG:[2063 Engli	-cering	J ·				01110111011011	
FROM	TO	HOURS						
7:00	7:30	0:30	Travel to alte. Start	up rig.				
7:30	8:30	1:00	RiH w/ 81/3" drig ass		Ream to 519m. Circ	ulate.		
8:30	9:30	1:00	Drill 81/3" hole 519m					<u> </u>
9:30	11:00	1:30	Circulate and conditi		me at 549m.			
11:00	12:30	1:30	Drill 81/4" hole 549m	lo 584m,				
12:30	13:00	0:30	Circulate sample.	Made Nahi anah				
13:00	17:30	4:30	POOH to run cag. V Prepare to run cag.	vork ugni spois.				
17:30	18:30	1:00	Shut down for night.		.,			
18:30	19:00	0:80	Supropertion light.	· · · · · · · · · · · · · · · · · · ·				
				····				···.
		ļ						
		ļ						
1			 					
 		 	Personnel on site: S	ides Engineeden 5				
			Mulready, Steely, Ho		nella Meaney Wahi			
			1 load water. Dyers		nais, wearby, was	<u>, </u>		······································
			T TOGO WARET O JOIN					
			-					
								•
			 					
								
						<u> </u>		
		•						
								· · · · · · · · · · · · · · · · · · ·
			Chemicals used -	20 sx KCl, 2 sx PH	IPA, 1 sx Pec-R, 2	ax Pec-L.		
								_
				· · · · · · · · · · · · · · · · · · ·				
·								
		I						
OPERATION	ONS TO 08	00 HRS:						
Daylight ope	erations onl	y						
PROGRA	MME NEXT	24 HRS:	POOH, Run and ce	ment 7° csg.				
			,					
BULK		GEL(SX)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(II)
							2005	
	IEL ON RIC	<u>5</u>		TRANSPORTATIO			COSTS	
OPERATO			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NAME	LOCATION		DAILY MUD	
DRILLING			WORKBOAT			CUN	MULATIVE MUD	
SERVICE	COMPS	<u> </u>	WORKBOAT		ļ		DAILY WELL	
OTHER			STANDBY BOAT			ÇUM	ULATIVE WELL	
			HELICOPTER					
TOTAL			HELICOPTER					•
SUPER	VISOR(S)	W.J.	WESTMAN	ENGINEER			OIM	

Page 2 915149 062



LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 6

	Lithological and Fluorescence Description							
Interval (m)	Description							
411-417	SILTY CLAYSTONE: medium brown to occasionally dark brown, trace black carbonaceous flecks, trace micromica, soft, very dispersive, non fissile. Interbedded with: CLAYSTONE: off white, medium green, occasionally very finely arenaceous and slightly							
	calcareous where white, sticky, amorphous. With in part minor interbeds of: SANDSTONE: very light grey, very fine to very coarse, dominantly medium to coarse, angular to subrounded, dominantly subangular, moderately sorted, trace white argillaceous matrix, weak silica cement, clear to opaque quartz grains, trace grey and green lithics, trace black coaly detritus, trace to common coarse mica flakes, unconsolidated to friable, good inferred porosity, no oil fluorescence.							
417-471	Massive sandstone unit: SANDSTONE: very light grey, very fine to grit, dominantly coarse, pebbly towards base, angular to subrounded, dominantly subangular, moderately sorted, trace to rarely abundant white argillaceous matrix, weak silica cement, clear to opaque quartz grains, trace grey green and red lithics, trace coarse mica flakes in part, trace black coaly detritus in part, unconsolidated to friable, fair to dominantly very good inferred porosity, no oil fluorescence.							
471-481	Massive silty claystone unit: SILTY CLAYSTONE: off white to medium brown, slightly to moderately carbonaceous, minor dispersed very fine to pebble quartz and lithic sand grains, minor black coal laminae, soft, sticky, non fissile.							
481-519	Massive sandstone unit: SANDSTONE: very light grey, very fine to pebble, dominantly coarse to very coarse, angult to subrounded, dominantly subangular, moderately sorted, trace white argillaceous matrix, weak silica cement, clear to opaque quartz grains, trace grey and green lithics, trace coarse mica flakes, trace black coaly detritus, trace pyrite in part, unconsolidated to friable, very good inferred porosity, no oil fluorescence.							
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•								

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 6

Date: 17-05-2002

Depth: 519m

Progress:108m

Days from Spud: 6

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

9.625" at 49m

Comments:

Drill 8.5" hole from 411 to 519m. Trip gas at 411m = 1 unit, 0.5m of fill. Circulated sample at 418m.

Interval (mRT)	Hydrocarbon Show Summ	ary Gas
411-519	No show	0-1 units

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzlecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101	Surface +35 -22 -41	0 21 Low 2 High 5 Low

^{*}Provisional, based on mudlog

•				ikes C					
			Daily D	rilling				`	
WELL:	Deadman Hill						DATE:	19.05.02	
PERMIT:	PEP-157			,			REPORT#	10	
RIG:	Sides Engineerin	g					D.F.S.	8	
DEPTH 0800 Hrs:	564.00 m	<u> </u>	STATUS @ 06:00 F	trs:	Prepare to ce	ment 7" csg			
TVD:	564.00 m		FORMATION:		Golden Beach				
24 HR PROGRESS:		LAST CASING;	7	@	548.5m		SHOE L.O.T.:		
HOLE SIZE:	8%	WD (LAT):		_	r · GL / Air gap:		☐ MAASP:		
		WD (DAT).							
SURVEYS:							FORMAT	ION DATA	
MUD PROP	ERTIES			CONSUM		104-444	1	Golden	
Sample taken @		564	F!	Rig	Workbost	Workbost	Name	Golden	1000LII
Flowfine Temp *C		0.4	Fuel Potable water		 		Lithology Ten doub PT	558.00) m
Weight ppg/SG		9.1	Potable water		-		Top depth RT. Trip gas %	,,,,.uc	
Funnel viscosity.		36	Drill water Barites				Connection Gas %		
PV/YP(cp/lb/100ft2)			Cement				Background gas %		
Gels 10secs / 10min WL API(cc/30mln)		<u> </u>	Gel		-		ECD (ppg)		
WL API(cc/30min) WL HTHP(cc/30min)			Base Oil					S / BOPS	
Cake (1/32")			PUMPS	1	2	3	LAST BOP DRILL	1	15-May
Solids %			TYPE	Clark			LAST FIRE DRILL		
Sand %			STROKE(in)	10			LAST MOB DRILL		
MBT(Ib/bbl)		1-,	LINER(in)	5 1/2	ļ		LAST ABN. RIG DRILL		
PH	·		SPM	45	LAST BOP TEST		LAST BOP TEST	14-Ma	
Chlorides (mg/l)			GPM	230			BOP TEST DUE		21-May
KCI %		4	AV-DP(Ft/min)	95		-		HRS	ÇUM
PHPA (Cale ppb)		1/2	AV-DC(Ft/min)	165			1, Rlg up / down.		27.00
, and the same of			SPP(kPa/psl)	400			2. Orliling.		21.00
Hote volume bbls.		88 / 72	SCR @ 40				3. Reaming.		1.00
Surface volume bbis.		60	SCR @ 50				4. Trip		11.50
	BIT DATA		W	EATHER / RIG	RESPONSE		5. Circ. / condition.	1,00	6.00
Bit Run	2		Wind Speed (kts)				6. Deviation survey		
Diameter	81/4		Direction				7. Run casing	9.50	9.50
Type & manufacture	Varef L114		Temperature				8. Cementing		
IADC code	114		Barometric pressu	re millibar			9. Handle Preventors		
Serial number	105479		Barometer rise / fa	all ·			10. Riser, flowline		
Nozzles	14,14,11		Visibility(NM)				11. Logging.		
Depth In (m)	60m		Sea state		·		12. Press. lest BOP		
Depth Out	564m		Sweti / Period / Din				13. Repair rig.		1.50
Drilled (m cum/dly)	504m		Waves / period / di	rectión	<u> </u>		14. Service rig.		
Hours (cum/dly)	16.5		Heave				15. Slip / cut drig line		
Dufi grade	6,5.WT.E.1/16.TD		Pilch		ļ		16. Drill stern test.		
Average ROP (m/hr)	28.0	<u> </u>	Roll			ļ	17. Fishing.		
WOB Kibs	6/10		Anchor tension		 		18. Well control.		
RPM	70		Anchor lension		1		19. Hang-off.		
Jet velocity			Riser tension				21. W.O.Weather		
HHP @ BIT	 		VARIABLE DECK	LOAD (Kipe)			22. Lost circ.		
BHA No.	2	BHA WEIGHT	L	J	STRING WT	L	23. Plug / Abandon.		
BHA Profile :	Bit / 2 x DC / Stab /	4 X DC					24. Mob / Demob		
	I armini ii	L DOYME	Y		C 0474		25. Handle anchors.		ļ
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS	OTAC UDITE	DKILLIN	G DATA		26. Position rig.	l	ļ- -
	-	_	DRAG - UP (mt)	ml)	 		27. Guide base / ROV		0.50
			DRAG - DOWN (<u> </u>			28. Others 29.Travel	1	0.50
		 	TORQUE-On Bot		-		30. Lost circ	<u>'</u>	<u> </u>
	 		TORQUE-OIT BOT	mu (amps)	 		TOTAL (HRS)	11.50	81.00
	1	<u> </u>	J		Į		TOTAL (RKS)	11.39	01.00

Marie Mari	→			La	akes Oil	Limited.			
PERMIT P	4 }						Γ		1
Personnel on alice Stees Englessering See Engle				DA	ILI DRILLII	TO NEPUR	*****		
PERMIT PET-167 Rice Empirorating	WELL	Deadman H		 1			DATE	. [19.05.02
PROW TO HOURE								_	10
FROM TO HOURE			eering	i .			DAYS	FROM SPUD	8
7-30				• 					
7:30 8:30 1:30 Pegas to run 7 casing Unional stude, we dath casing. 8:30 17:00 8:30 1:00 Circulate cealing and propers to cement. 19:00 1:20 1:00 Circulate cealing and propers to cement. 19:00 1:20 0:30 Shut down for night. Personnal on site: Sides Engineering 5 Homes: Wastman. Personnal on site: Sides Engineering 5 Homes: Wastman. Dyes creen 10 his. Chemicals used - Mil. Chemicals used - Mil. Chemicals used - Mil. PROGRAMME NEXT 24 HRS: Cement 7* 680. PERSONNEL ON RIG GEL(xx) BARTITE(xx) CEMENT(xx) DRILLWATER(m) POT WATER(m) DIESEL FUEL(n) MELI-FUEL(n) ORRIGORNAL ORRI	FROM	TO	HOURS						
17:00	7:00	7:30	0:30						
17:00 18:00 1:00 Circulate ceating and propers to cornent. 18:00 18:00 0:30 Shut down for right. Personnal on site: Bitles Empfreering 5 Homes, Washinda. Dyers crans 10 hm. Chemicals used - Nil. Chemical	7:30	8:30	1:00	Prepare to run 7" cas	ng.Unload truck w/	extra casing.		w	
18:00 18:30 0:30 Shut down for night.						ng casing at 648.5m.	, Release crane.		
Personnel on site: Sides Engineering 5 Homer, Westman. Opers grane 10 hm. Opers gra					prepare to cement.				
Homer, Westman. Opera orane 10 hrs. Chemicals used - Nil. Chemica	18:00	18:30	0;30	Shut down for right.					
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TOTAL HELICOPTER				STANDBY BOAT			CUM	IULATIVE WELL	
SUPERVISOR(S) W.J. WESTMAN ENGINEER OIM								·	
	SUPE	ERVISOR(S)	W	J. WESTMAN	ENGINEER			OIM	<u> </u>

61 3 96291624 61 3 96291624



LAKES OIL NL

ACN 004 247 214

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Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 915149 U66 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

5158 26 E 577 2254 S

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 17 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

7

(Including this one)

MESSAGE:

Please find attached Daily Drilling Report No. 5 for the Deadman Hill No. 1 Stratigraphic Core Hole.

Registered Office: Level 11, 500 Collins Street, P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566

Fax: (03) 9629 1624

Melbourne, Vic. 3000 915149 067



(A.C.N. 004 247 214)

Deadman Hill Location Longford Vic.

17th May 2002

Daily Report No. 5 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 16.5.02 Drilled to 411 m Still in Latrobe Fm No shows Next 24 hrs Drill ahead to intermediate casing point, prepare to run 7" casing.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 5

Date: 16-05-2002

Depth: 411m

Progress:207m

Days from Spud: 5

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Homer

Last Casing:

9.625" at 49m

Comments:

Drill 8.5" hole from 204m lost total returns at 335m. Drill 8.5" hole to 411m.

Trip gas at 204m = 1 unit with estimated 1m of fill.

Possible fracture/fault plane 208-211m - evidenced by strong dolomitization and a sheared texture to the cuttings. From 211-242m cuttings show evidence of slickensides, mylonitization and dolomitization.

Interval (mRT)	Hydrocarbon Show Summary	Gas
204-327	No show	0-1 units
327-335	Lost returns	NR
335-411	No show	0-1 units

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzlecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101	Surface +35 -22 -41	0 21 Low 2 High 5 Low

^{*}Provisional, based on mudlog

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LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 5

	Lithological and Fluorescence Description					
Interval (m)	Description					
204-242	SILTY CLAYSTONE: (70%) dark brown to very dark brown grey, very carbonaceous gading to coal, trace pyrite, trace slickensides, trace dolomitization, trace mylonitized dolomitic sandy material, soft, moderately dispersive, non fissile. Grading to and interbedded with: COAL: (20%) black to dark brown, earthy texture and lustre, very argillaceous and silty in part grading to silty claystone, trace pyrite, firm. With a massive dolomite bed 208-211m and minor (up to 10%) 211-242m: DOLOMITE: (10%) medium brown to brown black, cryptocrystalline to microcrystalline, abundant black coally material with sheared texture in part, very argillaceous in part, occasionally very finely arenaceous, very hard, no visual porosity.					
242- 284	SANDSTONE: (40%) light brown, very fine to coarse, dominantly medium, angular to subrounded, dominantly subangular, moderately to well sorted, trace dark brown argillaceous matrix, very weak silica cement, clear to dominantly opaque quartz grains, common off white to yellow to red to green lithics, trace black coaly detritus, unconsolidated to friable, very good inferred porosity, no oil fluorescence. Interbedded with: SILTY CLAYSTONE: (50%) medium to very dark brown, moderately to very carbonaceous - grades in part to argillaceous coal, common very fine black carbonaceous flecks in part, trace micromica, rare pyrite, very soft to soft, sticky, moderately dispersive, non fissile. Grading in part to, laminated with and interbedded with: COAL: (10%) black to dark brown, earthy texture and lustre, very argillaceous and silty in part grading to silty claystone, trace pyrite, firm.					
284-327	SANDSTONE: (40%) very light brown, very fine to pebble, dominantly coarse to very coarse, angular to subrounded, dominantly subangular, poor to moderate sorting, trace dark brown argillaceous matrix, very weak silica cement, clear to opaque quartz grains, trace coarse mica flakes, unconsolidated to friable, very goos to excellent inferred porosity, no oil fluorescence. Interbedded with: SILTY CLAYSTONE: (50%) very dark brown to brown black, moderately to very carbonaceous - grades to argillaceous coal, common very fine black carbonaceous flecks in part, very soft to soft, sticky, moderately dispersive, non fissile. Grading in part to, laminated and interbedded with: COAL: (10%) black to dark brown, earthy texture and lustre, often very argillaceous and silt-grades to silty claystone, trace pyrite, firm.					
327-335	Lost returns - no samples or gas readings.					

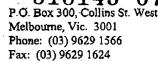
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SANDSTONE: very light grey to light brown, very fine to very coarse, dominantly coarse, 335-342 angular to subrounded, dominantly subangular, poor to moderate sorting, nil to trace medium brown argillaceous and silt matrix, weak silica cement, clear to opaque quartz grains, trace off white to yellow orange to red to green lithics, trace clear to green coarse mica flakes, trace black coaly detritus, unconsolidated to friable, very good inferred porosity, no oil fluorescence. interbedded with: SILTY CLAYSTONE: medium to very dark brown, moderately to very carbonaceous grades to argillaceous coal, common very fine black carbonaceous flecks in part, trace micromica, trace pyrite, very soft to soft, sticky, moderately dispersive, non fissile. Grading in part to, laminated and interbedded with: COAL: black to dark brown, earthy texture and lustre, often very argillaceous and silty grades to silty claystone, trace pyrite, firm. Massive sandstone unit: 342-411 SANDSTONE: very light grey, very fine to rarely pebble, dominantly coarse to very coarse, angular to subrounded, dominantly subangular, moderately sorted, nil to trace white argillaceous matrix, minor dark brown argillaceous matrix at top, very weak silica cement, clear to opaque quartz grains, trace grey green and red lithics, trace black coaly detritus, trace coarse mica flakes in part, trace pyrite, unconsolidated to friable, very good inferred porosity, no oil fluorescence.

Lakes Oil									
Х			Daily D	rilling i	Report				
WELL:	Deadman Hill						DATE:	16.5.02	
PERMIT:	PEP-157					REPORT# 7			
RIG:	Sides Engineerin	g					D.F.S. 5		
DESTU SESS U	411.00 m		STATUS @ 05:00 Hrs: Prepere to run casing.						
DEPTH 0600 Hrs:	411.00 m		FORMATION: Latrobe.			· · · · · · · · · · · · · · · · · · ·			
TVD:	207.00 m	LAST CASING:	9-5/8"	æ	49m		SHOE L.O.T.:	1	
24 HR PROGRESS: HOLE SIZE:	814	WD (LAT):	9-0,10	- '	- GL / Air gap:	-	MAASP:	\equiv	
SURVEYS:	1				ASI 5A		FORMAT	ION DATA	
MUD PROP				CONSUM		Workboat	1	Lairo	ha
Sample taken @	220	204	Fuel	Rig	Workboat	VVOINDOSI	Name		
Flowline Temp °C		9.2	Potable water				Ulthology Top depth RT.		
Weight ppg / SG	9.2	48	Drill water				Trip gas %		
Funnel viscosity. PV/YP(cp/lb/100ft2)	33	40	Barites	•			Connection Gas %		
Gels 10secs / 10min			Cement				Background gas %		-
WL API(cc/30min)			Gel				ECD (ppg)		
WL HTHP(cc/30mln)			Base Oll				DRILLS	BOPS	
Cake (1/32°)			PUMPS	1	2	3	LAST BOP DRILL		15-May
Solids %			TYPE	Clark			LAST FIRE DRILL		
Sand %			STROKE(In)	15			LAST MOB DRILL		
MBT(lb/bbl)			UNER(in)	5 1/2			LAST ABN. RIG DRILL		
PH			SPM	45			LAST BOP TEST		14-May
Chlorides (mg/l)			GPM	230			BOP TEST DUE		21-May
KCI %	6	6	AV-DP(Fl/mln)	95				HRS	CUM
PHPA (Calc ppb)	1/2	1	AV-DC(Ft/min)	165			1. Rlg up / down.		27.00
			SPP(kPa/psi)	400			2. Drilling.	6.50	18.50
Hole volume bbis.	35	88 / 72	SCR @ 40	¥	<u> </u>		3. Reaming.	2.00	1.00 6.00
Surface volume bbis.	60	60	SCR @ 50	FATER (DIA			4. Trip	2.00 0.50	1.00
	BIT DATA			EATHER / RIG	RESPONSE	T	5. Circ. / condition.	0.50	1.00
Bil Run	2		Wind Speed (kts)				6. Deviation survey 7. Run casing		
Diameter	8½ Varel L114		Direction Temperature			-	B. Cementing		
Type & manufacture	114		Barometric pressu	ire millihar	 		9. Handle Preventors		
Serial number	105479	<u> </u>	Barometer rise / fa				10. Riser, flowline		
Nozzles	14.14.11		Visibility(NM)	•			11. Logging.		
Depth In (m)	60m		Sea state				12. Press. test BOP		
Depth Out	411m		Swell / Perlod / Dir	ection			13. Repair rig.	1.50	1.50
Drilled (m cum/dly)	351m		Waves / period / direction			Ī	14. Service rig.		
Hours (cum/dly)	11.5		Heave		T		15. Silp / cut drig line		
Dull grade	RNG		Pilch				16. Drill stem test.		
Average ROP (m/hr)	28.0		Roll				17. Fishing.		ļ
WOB Kibs			Anchor lension				18. Well control.		ļ
RPM	70		Anchor tension				19. Hang-off.		.
Jet velocity			Riser tension		<u> </u>	<u> </u>	21. W.O.Weather		ļ—
HHP @ BIT			VARIABLE DECK	LOAD (Kips)		 	22. Lost circ.		-
BHA No.	2	BHA WEIGHT	L	J	STRING WI	<u> </u>	23. Plug / Abandon. 24. Mob / Demob		
BHA Profile :	Bit / 2 x DC / Stab /	4 A UÇ					25. Handle anchors.		1
	CERTAL MA	ROT/REAM HRS	1	DRILLIN	G DATA		26. Position rig.		
DOWNHOLE TOOLS	SERIAL No.	KUTKEAMIRKS	DRAG - UP (ml)	UKILLIN	J DAIA		27. Gulde base / ROV		
	 		DRAG - DOWN (mi)	 ·		28. Others	0.50	0.50
			TORQUE-On Bo		 		29.Travel	1	1 5.50
ļ	 	 -	TORQUE-Off Bo				30. Lost circ	1	
	+		1		 		TOTAL (HRS)	13.00	57.50

V					Limited.			ş
WELL:	Deadman H	1[[]	1			DAT	E: [16-Jan-00
PERMIT:			,]			REP	DRT#	7
	Sides Engir	neering	i			DAY	FROM SPUD	5
	<u> </u>		J				_	
FROM	TÓ	HOURS						
7:00	7:30	0:30	Travel to site. Start u	ıp rtg.				
7:30	9:00	1:90	Install kelly cock.					
9:00	9:30	0E:0	RIH w/ 8%" drig assy					
10:00	13:00	3:00	Drill 81/2" hole 204m t					
19:00	14:00	1:00	Total loss of returns.		nd allow to heal. Lo	et 40bbls.		
14:00	17:30	3:30	Drill 8% hole 385m t					
17:30	18:00	0:30	Circulate and condition	on mud.				
18:00	19:00	1;00	POOH 17 Jts.					
19:00	19:30	0:30	Shut down for night.					
	-							
							· · · · · · · · · · · · · · · · · · ·	
			Personnel on site: SI					
			Mulready, Sisely, Ho).		
			1 load water. Kajak		nes).			
			Stoltze Transport. AL	JS I Shack.				
		ļ	Light tower on site.					
	ļ				-			
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	_	<u>[</u>	 					
ļ	ļ	ļ	<u> </u>	DIEGO MAINTENANT DE LA				
	ļ	<u> </u>	Cuewiczia naen -	Chemicals used - 20 sx KCl. 1 sx PHPA, 1 sx Pac-R, 1 sx XCD.				
	<u> </u>	<u> </u>	-					
			 					
		 -	 					
			 					
	 	 						
	 	 	+				-	
	 	 			•			
	-	 						
OBERA	IONS TO DE	IND HOS.			· · · · · · · · · · · · · · · · · · ·			
								
Sayiight of	perations on	.1.						
PROGRA	MME NEXT	24 HR\$:	POOH. Run and ce	ment 7° csg.				
BULK		GEL(ex)	BARITE(8x)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(It)	HELI FÜEL(II)
PERSONNEL ON RIG		TRANSPORTATION		COSTS				
		NAME LOCATION		DAILY MUD				
OPERATOR OPERATOR		 	WORKBOAT			ČU	MULATIVE MUD	
! 	DRILLING CONT. SERVICE COMPS		WORKBOAT		 		DAILY WELL	
OTHER	_ QUIVIPS	1	STANDBY BOAT		 	CUMULATIVE WELL		
UITER			HELICOPTER		 			
TOTAL		 	HELICOPTER					
	RVISOR(S)	\A/ 1	. WESTMAN	ENGINEER			OIM	·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·
SUPE	(o)	44.5	CHAPTITHE T		1			





164 MAY. 2002

LAKES OIL NL

ACN 004 247 214

500 Collins Street,

Registered Office:

Level 11,

Melbourne, Vic. 3000

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 16 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

6

(Including this one)

MESSAGE:

Please find attached Daily Drilling Report No. 4 for the Deadman Hill No. 1 Stratigraphic Core Hole.

61 3 96291624

Registered Office: P.O. Box 300, Collins St. West Level 11, Melbourne, Vic. 8007
500 Collins Street, Phone: (03) 9629 1566
Melbourne, Vic. 3000 Fax: (03) 9629 1624

915149 074



LAKES OIL N.L.

Deadman Hill Location Longford Vic.

16th May 2002

Daily Report No.4 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 15.5.02
Drilled to 204 m
Top Latrobe Fm at 100 m.
No shows
Next 24 hrs
Drill ahead to intermediate casing point.

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

Page 2

915149 075

17

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 4

	Lithological and Fluorescence Description
Interval (m)	Description
60 - 82	LIMESTONE: (100%) light to medium grey, slightly to moderately argillaceous, moderate cryptocrystalline clacite cement, common fossil fragments including bryozoa, shells and forams, trace to common glauconite, rare pyrite, hard, very poor visual porosity, no oil fluorescence. With depth grading to: LIMESTONE: (50%) (calcilutite) off white to light grey, slightly to occasionally very argillaceous, trace fossil fragments including bryozoa, shells and forams, trace glauconite, very soft and sticky, non fissile, Grading to and increasing with depth of: MARL: (50%) light to medium grey, slight to moderate argillaceous content, trace fossil fragments, trace glauconite, very soft sticky, non fissile.
82 - 101	MARL: (100%) light to medium grey to medium green grey, trace increasing to common with depth fossil fragments including bryozoa, shells and forams, rare glauconite, abundant glauconite at base, very soft sticky, non fissile.
101-140	COAL: (90%) black to very dark brown, earthy to occasionally fibrous texture, earthy lustre, often moderately to very argillaceous and silty, trace medium brown resinous material, rare very fine to coarse quartz sand grains, trace pyrite, firm. With minor: SANDSTONE: (10%) very light grey, very fine to dominantly coarse, sunrounded to rounded, moderately sorted, no visible matrix, no visible cement, clear to opaque quartz grains, common black coal detritus, unconsolidated, very good inferred porosity, no oil fluorescence. With rare laminated: SILTSTONE: (Trace) dark brown grey, moderately argillaceous, moderately to very carbonaceous, common to abundant fine black coally detritus, soft, very dispersive, non fissile.
140-204	SANDSTONE: (40%) very light brown grey, very fine to coarse, dominantly medium, angular to rounded, dominantly subrounded, poor to moderate sorting, trace off white argillaceous matrix, very weak silica cement, clear to opaque quartz grains, common to abundant off white to light brown to green lithics, abundant clear to green coarse mica flakes, unconsolidated to slightly friable, very good inferred porosity, no oil fluorescence. Interbedded with: COAL: (50%) black to very dark brown, earthy to occasionally fibrous texture, earthy lustre, moderately argillaceous and silty in part, often very argillaceous and silty at base of coal units, trace to common pyrite, firm. In part grading to and occasionally interbedded with: SILTY CLAYSTONE: (10%) dark brown grey, very carbonaceous, common very fine to fine black caolly detritus, soft, very dispersive, non fissile.

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 4

Date: 15-05-2002

Depth: 204m

Progress:144m

Days from Spud: 4

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

9.625" at 49m

Comments:

Make up 8.5" BHA, RIH, drill ahead with 8.5" hole to 204m.

Pick reliability of Lakes Entrance Formation is poor due to gradational lithologies at the base of the Gippsland Limestone.

Pick reliability of LaTrobe Group - good.

Interval (mRT)	Hydrocarbon Show Summary	Gas
60-82	No show	0
82-101	No show	0-1 units
101-204	No show	0-1 units

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzlecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25 82 101	Surface +35 -22 -41	0 21 Low 2 High 5 Low

^{*}Provisional, based on mudlog

A			-	akes (Prilling)il Report			•	
WELL:	Deadman Hitl					u	DATE:	15,5.02	
PERMIT:	PEP-157) 				REPORT#	6	
RIG:	Sides Engineerlr	ng .					D.F.8.	4	
DEPTH 0600 Hrs:	204.00 m		STATUS @ 06:00	Hrs:	Drill 8½" hole				
TVD:	204.00 m	j	FORMATION:		Latrobe.				
24 HR PROGRESS:	144.00 m	LAST CASING:	9-5/6"	6	49m	*****	SHOE L.O.T.:		
HOLE SIZE:	8/01/02	WD (LAT):			T - GL / Air gap:		MAASP:		
SURVEYS:		, , ,							
MUD PROP	ERTIE\$			CONSUN	IABLES		FORMA'	TION DATA	
Sample taken @	130	204		Rig	Workboal	Workboal	Name	Latro	obe.
Flowline Temp *C			Fuel				Lithology		
Weight ppg/SG	8.8	9.2	Potable water				Top depth RT.		
Funnel viscosity.	30	53	Drill weter		'		Trip gas %		
PV/YP(cp/lb/100f2)			Barites	·			Connection Gas %		
Gels 10secs / 10mln			Cement				Background gas %		
WL API(cc/30min)			Gel				ECD (ppg)	C (BABC	
WL HTHP(cc/30min)			Base Ol	1	•		LAST BOP DRILL	SIBOPS	15-May
Cake (1/32°)	-		PUMP\$ TYPE	Cterk	2 .	3	LAST FIRE DRILL		1 Gelviay
Solids % Sand %			STROKE(in)	15			LAST MOB DRILL		
MBT(Ib/bbl)			LINER(in)	5 1/2			LAST ABN. RIG DRILL		
PH	·	· · · · · · · · · · · · · · · · · · ·	SPM	45			LAST BOP TEST		14-May
Chlarides (mg/l)	<u> </u>		GPM	230			BOP TEST DUE		21-May
KCI %	4	6	AV-DP(Ft/min)	95				HRS	CUM
PHPA (Calc ppb)	1/2	1/3	AV-DC(Fl/mln)	165			1. Rlg up / down.		27.00
(,		· · ·	SPP(kPa/psi)	400			2. Drilling.	4.50	12.00
Hole volume bbis.	35	45	SCR @ 40				3. Resming.	1,00	1.00
Surface volume bbis.	50	50	SCR @ 50	****			4. Trip	3.00	4.00
	BIT DATA		W	EATHER / RIG	RESPONSE		5. Circ. / condition.	0.50	1.00
Bit Run	2		Wind Speed (kts)				6. Deviation survey		
Diameter	81/4		Direction				7. Run casing		
Type & manufacture	Varel L114		Temperature				8. Cementing		
IADC code	114		Baromatrio pressu	ire milibar			9. Handle Preventors		
Serial number	105479		Barometer rise / fa	all			10. Riser, flowline		ļ
Nozzles	14.14.11		Visibility(NM)		ļ		11. Logging.		
Depth in (m)	60m	ļ	Sea state				12. Press. test BOP		
Depth Out	204m	[Sweil / Period / Dire				13. Repair rig.		
Drilled (m cum/dly)	144m		Waves / period / di	rection			14. Service rig.		<u> </u>
Hours (cum/dly)	4.5		Heave				15. Slip / cut drig line		
Dull grade	72.0		Pilch			•	16. Orlll stem test. 17. Fishing.		
Average ROP (m/hr) WOB Kibs	32.0		Roll Anchor tension				18. Well control.		
RPM	70		Anchor tension	• • • • • •			19. Hang-off.		
Jet velocity	 ''		Riser tension				21. W.O.Weather		
HHP @ BIT	-		VARIABLE DECK	LOAD (Kins)			22. Lost circ.		
BHA No.	2	BHA WEIGHT		LOND (lups)	STRING WT		23. Plug / Abandon.		
BHA Profile :	Blt / 2 x DC / Stab /	3	<u></u>				24. Mob / Demob		
	 •						25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLIN	G DATA		26. Posilian rig.		
	1	1	DRAG - UP (mi)				27. Gulde base / ROV		
	1	i	DRAG - DOWN (r	ni)			28. Others	0.50	
		i	TORQUE-On Bolt	•			Travel	1	
			TORQUE-Off Boll						
					l		TOTAL (HRS)	10.50	45.00

#	Lakes Oil Limited. DAILY DRILLING REPORT								
14(2)	D	(HI	1						
'	Deadman I	7W	1 '			DA [*]		15.5.02	
PERMIT:			1			REPORT # 6			
RIG:	RIG: Sides Engineering DAYS FROM SPUD 4							4	
FROM	ro	HOURS							
7:00	7:30	0:30	Travel to site. Start	uo do	· · · · · · · · · · · · · · · · · · ·			 	
7:30	9;00	1:30	P/u BHA and RIH.	- GP 1.181				-	
9:00	9:30	0:30	Safety meeting all p	erennel					
9:30	10:30	1:00	RIH w/ 61/5" drig ass						
10:30	11:30	1:00	Drill out plug, shoe,						
11;30	16;00	4:30	Drill 8%" hole 60m t						
16:00	18:30	0:30	Circulate and condi						
18:30	17:00	0:30	POOH 5 jts.					•	
17:00	17:30	0:30	Shut down for night					,	
17.00	17.30	0.30	Shot down tot night					-	
									
					· · · · · · · · · · · · · · · · · · ·				
			-						
			Personnel on site: S	Idee Engineering 5	· · · · · ·				
		:	Mulready, Sisely, H						
···		 	indiready, Sisery, Tr	Offici, Westight			•		
		 	<u> </u>						
		 							
			-						
			<u> </u>						
					· · · · · · · · · · · · · · · · · · ·				
									
			 						
			Chemicals used -	32 ev VCI 4 ev DV	IDA seu Des I	····	• • • • • • • • • • • • • • • • • • • •		
			Citeminesis asaa -	32 SX NOI, 1 SX PF	IPA 1 BI PBU-L			•	
									
		 	Stoltze Transport. C	om bble and task					
 		 	этопае гтапароп. С	A TO THE STATE OF					
		 	-			· · · · · · · · · · · · · · · · · · ·			
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		ļ							
OPEDAT	ONS TO 08	UV PIDS-	I						
	erations only			· · · · · · · · · · · · · · · · · · ·					
Cayiigi it opt	oracons only	J·							
ppočne	MME NEXT	24 HPS:	Drill to 375m and se	y 7" eee	##				
FROGRA	MAN SIMIL	-4 UVA	2144 W 91 9111 8110 86	er cap.					
BULK		GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL ELICIAN	HELI FUEL(k)	
JULK		JEE(SA)	PULLI E (9Y)	OCINEIN (8X)	DIVILLANVI EK(UII)	FOI WATER(IIII)	DIESEL FUEL(II)	DELI FUEL(II)	
DEDGONA	IEL ON RIG			TRANSPORTATION	<u> </u>		COSTS		
OPERATO				NAME	LOCATION		··		
DRILLING			WORKBOAT	IAWIAIS	FOCKTION	O: 11	DAILY MUD		
SERVICE		 	WORKBOAT	-		CUN	~		
OTHER	COMPS		STANDBY BOAT			C10.4	DAILY WELL		
JIIICK		L	HELICOPTER			COM	ULATIVE WELL		
TOTAL			HELICOPTER						
	VISOR(\$)	W I	WESTMAN	ENGINEER			0/54	•	
JUPER	(3)	**.0.	* - 4-0 + 19/FW4	ENGINEER			OIM		



LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street. Mclbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

· P.1

NO.747

Greek Matrice of 0409006550

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 15 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

5

(Including this one)

MESSAGE:

Please find attached Daily Drilling Report No. 3 for the Deadman Hill No. 1 Stratigraphic Core Hole.



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

Fax: (03) 9629 1624 915149 080

P.O. Box 300, Collins St. West

Melbourne, Vic. 8007 Phone: (03) 9629 1566

Deadman Hill Location Longford Vic.

15th May 2002

Daily Report No.3 Deadman Hill Stratigraphic Hole

11 hrs to 6 p.m 14.5.02 Installed and tested BOPs Next 24 hrs Drill ahead

9:51

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 3

Date: 14-05-2002

Depth: 60m

Progress:0m

Days from Spud: 3

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

9.625" at 49m

Comments:

Nipple up and pressure test BOP's.

Interval (mRT)	Hydrocarbon Show Summary					
	No new formation drilled.					

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzlecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25	Surface +35	0 21 Low

^{*}Provisional, based on mudlog

1				akes (Orilling	Oil Report				
								- 1000	
WELL:	Deadman Hill						DATE:	14.5.02	ļ
PERMIT:	PEP-157						REPORT#	5	j
RIG:	Sides Engineeni	ng]				D.F.S.	3	j
DEPTH 0600 Hre:			STATUS @ 06:00	Hrs:					
TVD:		1	FORMATION:						
24 HR PROGRESS:		LAST CASING:		@		1	SHOE LO.T.:		
HOLE SIZE:		WD (LAT):			T-GL/Airgap:		MAASP:		ĺ
SURVEYS:		,,.			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		-
MUD PROP	PERTIES			CONSUI	WABLES		FORMA	TION DATA	
Sample taken @				Rig	Workboat	Workboal	Neme		
Flowline Temp *C	-		Fuel				Lithology		
Weight ppg/SG			Potable water				Top depth RT.		
Funnel viscosity.			Drill water				Trip gas %		
PV/YP(cp/lb/100ft2)			B arites				Connection Ges %		
Gels 10secs / 10mln			Cement				Background gas %		
WL API(cc/30min)			Gef				ECD (ppg)		
WL HTHP(cc/30min)			Base Oil		ļ			& / BOPS	1
Cake (1/32")			PUMPS	1	2	3	LAST BOP DRILL		
Solids %			TYPE		_		LAST FIRE DRILL		
Sand %			STROKE(In)				LAST MOB ORILL		
MBT(lb/bbl) PH			LINER(in)		 		LAST ABN. RIG DRILL		
Chlorides (mg/l)			GPM		 		BOP TEST DUE	·	
KCI %			AV-DP(FVmin)		 		BOF 1831 DOE	HRS	CUM
PHPA (Calc ppb)			AV-DC(Ft/min)		 	<u> </u>	1. Rig up / down.	11.00	11.00
THE PT (OCIO PPO)			SPP(kPa/psl)		 		2. Drilling.		
Hole volume bbls.			SCR @ 40		†		3. Reaming.		
Surface volume bbis.		<u> </u>	SCR @ 50		† 		4. Trip	<u> </u>	
	BIT DATA	·	120	EATHER / RIG	RESPONSE	<u> </u>	5. Circ. / condition.		
Bil Run]		Wind Speed (kts)		<u> </u>		6. Deviation survey		
Diemeter			Direction				7. Run casing		
Type & manufacture			Temperature				8. Cementing		
IADC cods			Barometric pressu	ıre milliber			9. Handle Preventors		
Serial number			Barometer rise / fi	all			10. Riser, Rowline		
Nozzies			Visibility(NM)				11. Logging.		
Depth in (m)			See state				12. Préss. test BOP		
Depth Out			Swell / Period / Din		<u> </u>		13. Repair rig.		ļ
Drilled (m cum/dty)			Waves / period / di	rection			14. Service rig.		ļ
Hours (cum/diy)			Heave				15. Sllp / cut drlg line		
Duli grade			Pitch		 		16. Drilli stem test.		
Average ROP (m/hr)			Roll	-	ļ		17. Fishing.		
WOB Kibs			Anchor tension		 	<u> </u>	19. Well control.		
Jet velocity			Anchor tension		 	<u> </u>	19. Hang-off. 21. W.O.Weather		
HHP @ BIT			Riser tension VARIABLE DECK	I OAD (IC-A)			22. Lost circ.		-
BHA No.	-	BHA WEIGHT		LOAD (KIPS)	STRING WT	<u> </u>			
BHA Profile :		BIA WEIGHT			DI KING WI		23. Plug / Abandon. 24. Mob / Demob		
wini iville .							25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLIN	G DATA		26. Position rig.		
			DRAG - UP (ml)		1		27. Guide base / ROV		
			DRAG - DOWN (r	ni)			28. Others	<u>.</u>	·
	·		TORQUE-On Bott		1				
			TORQUE-Off Bot						
							TOTAL (HRS)	11.00	11.00
	•				·		d		

			l.	Lakes Oi	il Limited	.		
			j D	AILY DRILL	ING REPO	RT		
WELL:	Deadman I	-in				. DA	TE: [14.5.02
	PEP-157		<u></u>		•	RE	PORT#	5
RIG:	Sides Engl	neering	<u> </u>			DAY	rs from spud [3
FROM	то	HOURS	TD 1 41 11 1				10 04 14	- <u>-</u>
7:00	18:00	11:00			d, BOP's, Koomey, o manifold & Koomey		line. Mix drilling m	ud.
	10.00	11.00	T GROUDIT & PROBERT	o kest elor a, erioki	s marmold a recome,	·		· · · · · · · · · · · · · · · · · · ·
			 			<u> </u>		
		<u> </u>	ļ					
		ļ	 					
		-	 		-			
		<u> </u>						
					· · · · · · · · · · · · · · · · · · ·			
				· · · · · · · · · · · · · · · · · · ·				
			Personnel on site: 8					
		<u> </u>	Mulready, Sisely, H	orner, westman.	<u> </u>			
			-					
	 		Crane arrive 08:00					
					 -			
					•			
•					••	`		
			Chemicals used -		PHPA		-	
			<u> </u>	2 sx Cement				
			-				······································	
			<u> </u>					
						-		
-								
			1					
	ONS TO 66						•	
aylight op	erations only	<i>/</i> .						
PROGRA	MME NEXT	24 HR\$:	Drill to 40m and set	9-5/8*			• •	
BULK		GEL(EX)	BARITE(6x)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(II)
							<u> </u>	
	VEL ON RIG			TRANSPORTATIO			COSTS	
PERATO		OCA MDC	WORKBOAT	NAME	LOCATION	814	DAILY MUD	
SERVICE		יאיטכ	WORKBOAT		-	CUN	DAILY WELL	
THER			STANDBY BOAT	-,		CUM	ULATIVE WELL	
			HELICOPTER		 			
TOTAL			HELICOPTER					
10.								



Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 3001 Phone: (03) 9629 1566 Fax: (03) 9629 1624

915149

FACSIMILE MESSAGE

FAX NO:

14.MAY.2002

(03) 9412 5156

DATE: 14 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

4

(Including this one)

MESSAGE:

Please find attached Daily Drilling Report No. 2 for the Deadman Hill No. 1 Stratigraphic Core Hole.



LAKES OIL N.L.

(A.C.N. 004 247 214)

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000 P.O. Box 300, Collins St. West Melbourne, Vic. 8007 Phone: (03) 9629 1566 Fax: (03) 9629 1624 915149 085

Deadman Hill Location Longford Vic.

14th May 2002

<u>Daily Report No.2 Deadman Hill Stratigraphic Hole</u> 12 hrs to 7 p.m 13.5.02

Ran and cemented 9.5/8" casing at 49 m <u>Next 24 hrs</u> Install BOPs Drill ahead

Jack Mulready

Internet Site: www.lakesoil.com.au Email Address: lakes@lakesoil.com.au

1	·				Limited.			
					 		DATE:	13,5.02
WELL:	Deadman H	<u></u>					REPORT #	4
	PEP-157 Sides Engir	neering					D.F.S.	2
`					·····			
FROM	то	HOURS	Tanual frame A	24118	· · · · · · · · · · · · · · · · · · ·			
7:00	7:30	0:30	Travel from town. St RIH to bottom. 6" fill.					
7:30 8:30	8:30 9:30	1:00	Circulate clean.					
9:30	11:00	1:30	POOH.					
11:00	13:00	2:00	R/u and run esg. Tigi					
14:30	18:15	3:45	Lay out 1 jt. P/u Ind jt	t. R/u to cement. Pr		rular-BOP assembly	for r/u.	
18:15	19:00	0:45	Pump cement. Bum	p plug @ approx 10				
19:00	19:15	0:15	Clean cement equipr	ment.				
		<u></u>						
			Bananani az allar 61	doe Englace 1 5				
	ļ		Personnel on site: Si				· · · · · · · · · · · · · · · · · · ·	
	-		Mulready, Sisely, Ho	rrier, vvestmen.				
<u> </u>	 							
<u> </u>			Crana arriva na-an					
	 		Crane arrive 08:30				-	
 	 	ļ	 					
 	 	 						
	 	 			 -			
	1		 					
 	 		 -	·				
 	 -	†						· · · · · · · · · · · · · · · · · · ·
					-			
	 	†						
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		<u> </u>	<u> </u>	жи.				
<u> </u>	<u> </u>	† · · · · ·		,				
	1							
		<u>"</u>						
								<u>.</u>
			<u> </u>					
	IONS TO 06							
Daylight or	perations on	ly.						
PROGRA	MME NEXT	24 HRS:	Rig up BOP & drill a	heed				
			T			4451111555	Display State and	HELLEVE AN
BULK		GEL(sx)	BARITE(ex)	CEMENT(sx)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(It)
							COSTS	
l	INEL ON RI	G		TRANSPORTATIO	LOCATION		DAILY MUD	
OPERAT		 	MODERDAT	NAME	LOCATION	CIN	AULATIVE MUD	
DRILLING			WORKBOAT				DAILY WELL	
	COMPS	 	STANDBY BOAT			CLIM	ULATIVE WELL	
OTHER		 	HELICOPTER			0014	THE TIER	
TOTAL		-	HELICOPTER	 				
TOTAL	DVIEAD/A] NA/ 1	WESTMAN	ENGINEER		<u> </u>	QIM	
SUPE	RVISOR(S)	VV.J.	TYEGTIMMIY	EIAGINEER		<u> </u>	Q.I.V.	

~	₩ Lakes Oil								
			Daily D	rilling l	Report				
WELL:	Deadman Hill		****			, '	DATE:	13.5.02	
PERMIT:	PEP-157			,			REPORT#	4	
PERWIT: RIG:	Sides Engineerin	g		·	,		D.F.S.	2	
DEPTH 0600 Hrs:		·	STATUS @ 06:00 l	Hrit:		<u> </u>			•
TVD:			FORMATION:						
24 HR PROGRESS:		LAST CASING:		e i			SHOE LO.T.:		
HOLE SIZE:		WD (LAT):			- GL / Alrgap:] MAASP:		
SURVEYS:	FRIES			CONSUM	ABLÉS		FORMAT	ION DATA	
Sample taken @	CRIES			Rig	Workboat	Workboat	Name		
Flowline Temp °C			Fuel				Lithology		
Weight ppg/SG			Potable water				Top depth RT.	_	
Funnet viscosity.			Drill water				Trip gas %		
PV/YP(cp/lb/100ft2)			9arites •				Connection Gas % Background gas %		
Gets 10secs / 10mln	<u> </u>		Cement Gei				ECD (ppg)		
WL API(cc/30min) WL HTHP(cc/30min)	 		Base Oil					BOPS	
Cake (1/32°)	-		PUMPS	1	2	3	LAST BOP DRILL		
Solids %			TYPE	***************************************			LAST FIRE DRILL		
Sand %	1		\$TROKE(in)				LAST MOB DRILL		
MBT(lb/bbl)			LINER(in)				LAST ABN. RIG DRILL		
PH		_	SPM				LAST BOP TEST		
Chlorides (mg/l)	 		GPM				BOP TEST DUE	HRS	CUM
KCI %			AV-DP(FVmin) AV-DC(FVmin)				1. Rig up / down.		
PHPA (Calc ppb)	· · · · ·		SPP(kPa/psi)				2. Drilling.		
Hole volume bbls.			SCR @ 40				3. Reaming.		
Surface volume bbls.			SCR @ 50				4. Trip		
	BIT DATA			VEATHER / RIG	RESPONSE		5. Circ. / condition.		
Bit Run			Wind Speed (kts)				6. Deviation survey		
Diameter			Direction			ļ	7. Run casing		
Type & manufacture			Temperature	-004			8. Cementing		
IADC code	ļ	-	Barometric press		ļ		9. Handle Preventors 10. Riser, flowline		
Serial number	<u> </u>		Visibility(NM)	18111			11. Logging.		
Nozzlea Depth In (m)			Sea stale				12. Press. test BOP		
Depth Out	1		Swell / Period / Di	rection			13. Repair rig.		
Orlifed (m cum/dly)	1	 	Weves / period / d				14. Service rlg.		
Hours (cum/dly)			Heave				15. Slip / cut drig fine		
Duli grade			Pitch				16. Drill stem test		
Average ROP (m/hr)			Roll				17. Fishing.		
WQB Kibs			Anchor tension			-	18. Well control.		
RPM	<u> </u>		Anchor tension	· · · · · · · · · · · · · · · · · · ·			19. Hang-off.		
Jet velocity	-		Riser tension VARIABLE DECK	(1 OAD 20)	<u> </u>	<u> </u>	21. W.O.Wealher 22. Lost circ.		-
HHP @ BIT BHA No.		BHA WEIGHT		POND (VIDE)	STRING WI		23. Plug / Abandon.		
BHA Profile :		7 210.41510111		_			24. Mob / Dernab		
							25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLIN	G DATA		26. Position rig.		
			DRAG - UP (mt)				27. Gulde base / ROV	<u> </u>	<u> </u>
			DRAG - DOWN		_		28. Others	 	<u> </u>
	1		TORQUE-On Bo		 		 -	·	
			TORQUE-Off Bo	onom (amps)			TOTAL (UDC)	0.00	0.00
	1	1	<u> </u>				TOTAL (HRS)	0.00	J V.00



P.1

P.O. Box 300, Collins St. West

LAKES OIL NL

ACN 004 247 214

Registered Office: Level 11, 500 Collins Street, Melbourne, Vic. 3000

Fax: (03) 9629 1624 915149 088

Melbourne, Vic. 3001 Phone: (03) 9629 1566

FACSIMILE MESSAGE

FAX NO:

(03) 9412 5156

DATE: 13 May 2002

TO:

Department of Natural Resources and Environment

Mr. Robert King

ATTENTION:

Koursh Mehin

FROM:

Margaret Rhodes

RE:

Daily Drilling Report - Deadman Hill No.1

No. OF PAGES:

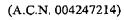
5

(Including this one)

MESSAGE:

Please find attached No.1 Daily Drilling Report for the Deadman Hill No. 1 Stratigraphic Core Hole.

LAKES PETROLEUM N.L.



DEADMAN HILL No.1 PEP 157

DAILY GEOLOGICAL REPORT No. 1

Date: 12-05-2002

Depth: 60m

Progress:60m

Days from Spud: 1

Rig:

Sides Bourne 2000THD

GL(AHD):

59m

Drilling Rep:

Wally Westman

RT: (datum)

60m

Geologist:

David Horner

Last Casing:

at

m

Comments:

Spud Deadman Hill No.1 at 0900hrs 12th May, 2002, with freshwater gel spud mud, drill 12.25" hole to 9.625" casing point at 60m.

Interval (mRT)	Hydrocarbon Show Summary	Gas
Surface-25	No shows	0
25-60	No shows	0

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Quartenary Gravel Gippsland Limestone Lakes Entrance Formation LaTrobe Group Golden Beach Formation Strzlecki Formation T.D.	Surface 4 84 96 371 497 600	Surface 25	Surface +35	0 21 Low

^{*}Provisional, based on mudlog

Page 2

915149 090



LAKES PETROLEUM N.L.

(A.C.N. 004247214)

DEADMAN HILL No.1 PEP 157 DAILY GEOLOGICAL REPORT No. 1

Lithological and Fluorescence Description							
Interval (m)	Description						
Surface-25	SANDSTONE: (100%) light orange, very fine to coarse, dominantly fine to medium, angular to rounded, dominantly subangular, moderately sorted, clear to opaque quartz grains often with orange iron oxide staining, trace grey black and red brown volcanogenic lithic grains, abundant off white to light orange grey argillaceous and silt matrix in part, nil to occasional weak silica cement, unconsolidated to friable, very poor to good inferred porosity, no oil fluorescence.						
25-45	LIMESTONE: (100%) off white to light orange, abundant bryozoa fragments, common fossil fragments including forams and shells, rare glauconite and quartz sand grains, common light to medium orange iron oxide staining, weak to moderate calcareous cement, friable to occasionally hard, fair to good inferred porosity, no oil fluorescence.						
45-60	LIMESTONE: (100%) off white to medium grey, slightly to occasionally very argillaceous, very strong cryptocrystalline calcite cement in part, abundant bryozoa fragments and common forams and other fossil fragments in part, trace to common glauconite occasionally as fossil infill, friable to very hard, very poor to poor inferred porosity, no oil fluorescence.						

Lakes Oil Daily Drilling Report									
WELL: PERMIT:	Deadman Hill PEP-157 Sides Engineerin	9				23 (10)	DATE: [REPORT# [D.F.S. [19.5.02 9 1	
DEPTH 0600 Hrs:			STATUS @ 06:00 I	Hre:	* *******				
TVD:			FORMATION:	[
24 HR PROGRESS:		LAST CASING:		œ [SHOE L.O.T.:		
HOLE SIZE:	,	WD (LAY):		•	- GL / Alr gap:		MAASP:		
,									
SURVEYS:				ABUSTIN	AD) FC		I CORNA	TIÔN DATA	
MUD PROP	ERTIES			CONSUM		Workboat	Name	HONDAIA	
Sample taken @			Fuel	Rig	Workboat	AAOLKOOST			
Flowline Temp °C			Potable water				Lithology Top depth RT.		
Weight ppg/SG			Drill water				Ттір дэз %		
Funnel viscosity. 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 Oli				DRILL	S/BOPS	•
Cake (1/32')			PUMPS	1	2	3	LAST BOP DRILL		
Solids %			TYPE				LAST FIRE DRILL		
Sand %			STROKE(in)				LAST MOB DRILL		
MBT(lb/bbl)			LINER(in)				LAST ABN. RIG DRILL		
PH			SPM				LAST BOP TEST		
Chlorides (mg/l)			GPM				BOP TEST DUE		
KCI %			AV-DP(Ft/min)					HRS	CUM
PHPA (Calc ppb)			AV-DC(Ft/min)				1. Rlg up / down.	2.00	24.00
			SPP(kPa/psl)				2. Drilling.	,	
Hole volume bbls.			SCR @ 40				3. Reaming.		
Surface volume bbls.	<u> </u>		SCR @ 50				4. Trip		
	BIT DATA		(VEATHER / RIG	RESPONSE	·	5. Circ. / condition.	ļ	
Bit Run	11		Wind Speed (kls)				6. Deviation survey		
Diameter	121/4		Direction		ļ		7. Run casing		
Type & manufacture			Temperature				8. Cementing	<u> </u>	
IADC code			Barometric press				9. Handle Preventors 10. Riser, flowline		
Serlai number			Baromeler rise / f	811			11. Logging.	<u> </u>	
Nozzles	<u> </u>		Visibility(NM)		-		12. Press. teel BOP		
Depth in (m)	-	1	Sea state Swell / Period / Dir	Action 1			13. Repair rig.		
Depth Out			Waves / period / di				14. Service rig.		
Drilled (m cum/dly) Hours (cum/dly)			Heave	il ecoon	cuon		15. Slip / cut drig line		
Dull grade	<u> </u>		Plich				16. Drill stem test.		
Average ROP (m/hr)			Roll				17. Fishing.		
WOB Kibs			Anchor lension				18. Well control.		
RPM			Anchor tension		 		19. Hang-off.		
Jet velocity			Riser tension				21. W.O.Weether		
HHP @ BIT	 		VARIABLE DECK	(LOAD (Kips)			22. Lost circ.		
BHA No.	 	BHA WEIGHT	Contract of the last of the la	- 1-7-7	STRING WT		23. Plug / Abandon.		
BHA Profile:		J		J		t 	24. Mob / Demob		
	•						25. Handle anchors.		
DOWNHOLE TOOLS	SERIAL No.	ROT/REAM HRS		DRILLIN	G DATA		26. Posilian rig.		
			DRAG - UP (mt)				27. Guldo base / ROV	1.	
			DRAG - DOWN	(mt)			28. Othors		
			TORQUE-On Bo	itom (amps)					
			TORQUE-Off 80	illom (amps)					ļ
					L		TOTAL (HRS)	2.00	24.00

Lakes Oil Limited. DAILY DRILLING REPORT								
WELL	Deadman H						DATE:	13.5.02
PERMIT:			j				REPORT#	3
RIG: Sides Engineering							D,F.S. [1
FROM	10	HOURS						
7:00	8:00	1:00	Travel from town. Si	art up.				
8:00	9:00	1:00	Dress shakers.					
9:00	10:30	7:90	Orill 121/2" hale to 60	m.				
16:30	17:00	0:30	Circulate clean.					
17:00	15:00	1:00	РООН.			· · · · · · · · · · · · · · · · · · ·		,
			<u> </u>					
	-							
	 							
	 		Sides 5.					
	<u> </u>		Mulready, Homer, W					
	<u> </u>		Crane on site 21/2 hrs		k when slow drill rat	e preciuded casing	run today.	
			Truck arrived w/ BOI	P @ 17:30hrs.				
,				- 				
								
								
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		1						
	 							
	 							
								
		-						
	<u> </u>	}						
	 		 					
 	 	 			·····			
	 	-	 			· · · · · · · · · · · · · · · · · · ·		
								
	f		 					
	 							
OPERAT	IONS TO 06	00 HRS:	-					
PROGRA	MME NEXT	24 HRS:						
BULK		GEL(\$x)	BARITE(sx)	CEMENT(\$X)	DRILLWATER(mt)	POT WATER(mt)	DIESEL FUEL(II)	HELI FUEL(It)
					L			
	NEL ON RIC	3		TRANSPORTATION	,		COSTS	
OPERATOR				NAME	LOCATION	DAILY MUD		
DRILLING CONT.		ļ	WORKBOAT			CUMULATIVE MUD		
SERVICE	COMPS	 	WORKBOAT				DAILY WELL	
OTHER			STANDBY BOAT			CUM	ULATIVE WELL	
			HELICOPTER					
TOTAL			HELICOPTER					
SUPER	RVISOR(S)	W.J.	WESTMAN	ENGINEER	1		OIM	