

LAKES OIL N.L

DAILY DRILLING REPORT

WELL : TRIFON-2 **REPORT No. :** 4 **DFS:** 4 **DATE :** 24-07- 2004
2400 DEPTH : 1639 **LAST DEPTH :** 1431 **24 HR PROGRESS :** 208 **PTD :** _____
TOTAL FUEL : 7400 **FUEL USAGE :** 2100 **DAYCOST : \$** 26,784 **CUM. COST : \$** 907,163
0600 OPS : Drilling 156mm hole at 1689m with Bit #2
Next 24 hr OPS: Continue to drill-wiper trip back to 1554m-continue drilling to Core depth
Site Personnel: Lou DeVattimo - Supervisor

BIT INFORMATION			OPS BREAKDOWN		MUD PROPERTIES		
Bit Number	2		Drilling	21.00	Density	1.128	S.G.
Size (mm)	156mm		Tripping	1.50	Viscosity	38	Sec
Make	Varel		Surveys		Water Loss	10.00	Cc
Type	MKS 56G-1		Reaming		pH	9.8	Strip
IADC Code	M 332		Testing/tools		Filter Cake	1	32 nd
Serial Number			Circulate Sample		PV / YP	9 / 15	Cp/lb/100'
Nozzles (32)	14-14-14		Casing		Gels	5 / 8	S/m
Depth in (m)	1267		Cementing		Sand	0.25	% Vol
Depth out (m)	IN		Surveys		Solids	4.9	% Vol
Total Metres	So far 372		Circulate & Condition	0.50	Oil		% Vol
Hours	38		Rig Repair	1.00	Hardness as Calcium	180	Mg/l
WOB (kg)	4000		Rig down bop		Chlorides	21000	Mg/l
RPM	100		Coring		K +	24318	Mg/l
Condition	Still in hole		Breakdown kelly		KCL	4.5	
Impact Force	250		Lay out drill string		Daily Cost \$	4,413	
Jet Velocity	191		Make up Core barrel		Cum Cost \$	34,678	

B.H.A.: PDC Bit-Bit sub with float valve and totco ring-1 x 4-3/4in drill collar-stabilizer-13 x 4-3/4 in drill collar-Jars- 3 x 4-3/4 in drill collars

HOURLY OPERATIONS SUMMARY (0000 – 2400)			SURVEYS		CHEMICALS USED	
From	To	Operation	° at	m	Type	Amount
0000	1000	Drilled 156mm hole fro 1431m to 1535m	° at	m	AMC Biocide G	1
1000	1030	Circulated while Rotary bearing inspected	° at	m	AMC Defoamer	1
1030	1200	Drilled 156mm hole from 1535m to 1554m	° at	m	AMC Pac Reg	1
1200	1230	Circulated	° at	m	Bayrte	80
1230	1400	Wiper tripped back to the shoe at 1265m hole good	° at	m	FLC-2000	8
1400	1730	Drilled 156mm hole from 1554m	° at	m	Potassium Chloride	20
1730	1800	Repaired flow-line leak	° at	m	Soda Ash	2
1800	2400	Continued drilling 156mm hole to 1639m				
		Slow pump rates..650psi @ 28spm				
		350psi @ 23 spm				
		Halliburton core hand on route to site ex Auckland				
		Core equipment arriving Sunday 25 th July				
		Held Pit drill and Stabbing valve drill				
Safety	1	Driving the loader				
	2	Attaching flo-line				
Days since	LTA	528				

PUMP 1			PUMP 2	
Liner	140	mm	Liner	140 mm
Pressure	9100	kPa	Pressure	KPa
A. V. DP	246	ft/min	A. V. DP	m/min
A. V. DC	399	ft/min	A. V. DC	m/min
SPM	48		SPM	
GPM	269		LPM	

CEMENT DATA		LAST CASING	
Sacks		Size	178 m
Class		Weight	ppft
%		Grade	L-80
%		Connection	Buttress
%		Joints	106
%		Length	m
Av. Wt		Shoe	1265.00 m

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DAILY DRILLING REPORT

WELL : TRIFON-2 **REPORT No. :** 9 **DFS:** 9 **DATE :** 29-07- 2004
2400 DEPTH : 2240 **LAST DEPTH :** 2128 **24 HR PROGRESS :** 112 **PTD :** _____
TOTAL FUEL : _____ **FUEL USAGE :** _____ **DAYCOST : \$** 42,720 **CUM. COST : \$** 1,099,679
0600 OPS : Drilled 156mm hole to 2256m then will Trip out for Bit change (Slow R.O.P)
Next 24 hr OPS: Trip out for bit change –drill to core # 2 depth at 2330m approx
Site Personnel: Lou De-Vattimo - Supervisor

BIT INFORMATION			OPS BREAKDOWN		MUD PROPERTIES		
Bit Number		3RR-2	Drilling	21.00	Density	1.128	S.G.
Size (mm)		156	Tripping		Viscosity	36	Sec/qt
Make		Varel	Drilling		Plastic Viscosity	7	Cp @ oC
Type		MKS 56 G-1	Reaming		Yield point	11	Lb/100ftsq
IADC Code		M-322	Testing/tools		Gel strengths	4 / 8	Lb/100ftsq
Serial Number			Circulate Sample		Filtrate API	11.2	Cc/30 min
Nozzles (32)		14-14-14	Casing		Cake thickness	1	32nds
Depth in (m)		1267	Cementing		Solids content	4.4	% Vol
Depth out (m)			Surveys		Liquid content O/W	0 / 95.6	% Vol
Total Metres		973 so far	Circulate & Condition	3.00	Sand content	0.25	% Vol
Hours		115 so far	Rig repair		Methylene Blue Cap	5.5	Ppb/equiv
WOB (kg)		5000	Rig down bop		pH	8.8	
RPM		100	Coring		Sulphite	120	Mg/l
Condition		good	Breakdown kelly		KCL	4.90	% by wt
Impact Force		179	Lay out drill string		Daily Cost \$	17,234	
Jet Velocity		159	Make up Core barrel		Cum Cost \$	79,588	

B.H.A.:	Kwikseal Fine 28
Bit # 3 Bit-bit sub-1 x drill collar-stab-13 drill collars –jars- 3 drill collars	Kwikseal Medium 28

HOURLY OPERATIONS SUMMARY (0000 – 2400)			SURVEYS		CHEMICALS USED	
From	To	Operation	° at	m	Type	Amount
0000	0330	Drilled 156mm hole from 2128m to 2145m	° at	m	Enerseal / Kwkseal	20 / 38
0330	0430	Cured mud losses with L.C.M pills	° at	m	FLC-2000 / Bayrte	24 / 40
0430	1100	Drilled 156mm hole from 2145m to 2186m	° at	m	Potassium chloride	210
1100	1200	Cured mud losses	° at	m	AMC Pac Reg	8
1200	1600	Drilled 156mm hole fro 2186m to 2211m	° at	m	Sodium sulphite	4
1600	1630	Cured mud losses	° at	m	X-An vis	3
1630	2230	Drilled 156mm hole from 2211m to 2240m	° at	m	AMC Biocide G	1
2230	2400	Cured mud losses				
		From 2135m losses increased				
		2145m to 2186m mud losses up to 50bbl/hour				
		2211m mud losses at 43bbls/hour				
		2211m to 2240 m minor losses				
		Total mud losses 668bbls for 24 hours				
Safety	1	JSA Derrick climbing				
	2	JSA Using the forklift stinger				
Days since	LTA	533				

PUMP 1			PUMP 2		
Liner	140	mm	Liner	140	mm
Pressure	9800	kPa	Pressure		KPa
A.V. DP	205	ft/min	A.V. DP		m/min
A.V. DC	333	ft/min	A.V. DC		m/min
SPM	40		SPM		
GPM	224		LPM		

CEMENT DATA		LAST CASING	
Sacks		Size	178 m
Class		Weight	ppft
%		Grade	L-80
%		Connection	Buttress
%		Joints	106
%		Length	m
Av. Wt		Shoe	1265.00 m

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DAILY DRILLING REPORT

WELL : TRIFON-2 **REPORT No. :** 12 **DFS:** 12 **DATE :** 1-Aug-2004
2400 DEPTH : 2366 **LAST DEPTH :** 2357 **24 HR PROGRESS :** 9 **PTD :** _____
TOTAL FUEL : 7170 **FUEL USAGE :** 1880 **DAYCOST : \$** 38,682 **CUM. COST : \$** 1,213,106
0600 OPS : Tripped in hole with 156mm Bit-Slipped and cut block line-Finished trip in hole
Next 24 hr OPS: Drill ahead to T.D of this well
Site Personnel: Lou De-Vattimo - Supervisor

BIT INFORMATION		
Bit Number	Core Bit 2	5 RR
Size (mm)	156	156
Make	Security DBS	Varel
Type	FC 264 LI	ETD
IADC Code		4-3-7
Serial Number	7971453	159891
Nozzles (32)		12-14-14
Depth in (m)	2357	2256
Depth out (m)	2366	2357
Total Metres	92 % Recovery	101
Hours	3.50	18.50
WOB (kg)	5-8	10-15
RPM	90	100
Condition	Bit excellent	
Impact Force		
Jet Velocity		

OPS BREAKDOWN	
Drilling	
Tripping	16.50
Drilling	
Reaming	
Testing/tools	
Circulate Sample	
Casing	
Slip & Cut Block line	
Surveys	
Circulate & Condition	1.50
Rig repair	
Rig down bop	
Coring	3.50
Breakdown kelly	
Lay out drill string	
Make up Core barrel	2.50

MUD PROPERTIES		
Density	1.128	S.G.
Viscosity	37	Sec/qt
Plastic Viscosity	5	Cp @ oC
Yield point	9	Lb/100ftsq
Gel strengths	2 / 8	Lb/100ftsq
Filtrate API	9.5	Cc/30 min
Cake thickness	1.0	32nds
Solids content	5.3	% Vol
Liquid content O/W	0 / 94.7	% Vol
Sand content	0.25	% Vol
Methylene Blue Cap	2.5	Ppb/equiv
pH	9.0	
Sulphite	120	Mg/l
KCL	4.5	% by wt
Daily Cost \$	1,446	
Cum Cost \$	98,709	

B.H.A.: Bit # 4 Bit-bit sub-1 x drill collar-stab-13 drill collars -jars- 3 drill collars

HOURLY OPERATIONS SUMMARY (0000 - 2400)		
From	To	Operation
0000	03:30	Tripped out for coring
03:30	09:30	Made up core barrel then tripped in hole
09:30	13:00	Cut core # 2 from 2357m to 2366m
13:00	14:30	Circulated mud in balance
14:30	20:00	Tripped out with core # 2
20:00	21:30	Layed out the core barrel and recovered core # 2
21:30	24:00	Made up 156mm bit and tripped in hole
		Recovered 8.20 m of core = 92 % Recovery
		Mud lost down hole 49 bbls
Safety	1	JSA Tripping in hole with drill pipe
	2	JSA Make up drill bit
Days since	LTA	568

SURVEYS	
° at	m

CHEMICALS USED	
Type	Amount
AMC Pac Reg	2
Sodium sulphite	2
X-An vis	3
Soda ash	9

PUMP 1		
Liner	140	mm
Pressure	9800	kPa
A.V. DP	205	ft/min
A.V. DC	333	ft/min
SPM	40	
GPM	224	

PUMP 2		
Liner	140	mm
Pressure		KPa
A.V. DP		m/min
A.V. DC		m/min
SPM		
LPM		

CEMENT DATA	
Sacks	
Class	
%	
%	
%	
%	
Av. Wt	

LAST CASING	
Size	178 m
Weight	ppf
Grade	L-80
Connection	Buttress
Joints	106
Length	m
Shoe	1265.00 m

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DAILY DRILLING REPORT

WELL : TRIFON-2 **REPORT No. :** 14 **DFS:** 14 **DATE :** 3-Aug-2004
2400 DEPTH : 2500 **LAST DEPTH :** 2451 **PROGRESS :** 49 **PTD :** _____
TOTAL FUEL : _____ **FUEL USAGE :** _____ **DAYCOST : \$** 28,700 **CUM. COST : \$** 1,271,833
0600 OPS : Schlumberger logging well Run # 1 HAL-SONIC-PEX (RESISTIVITY TOOL FAILED) Run # 2 RESISTIVITY TOOL
Next 24 hr OPS: Log-wiper trip-Condition hole-Lay out drill string
Site Personnel: Lou De-Vattimo - Supervisor

BIT INFORMATION			OPS BREAKDOWN		MUD PROPERTIES		
Bit Number		5 RR	Drilling	11.00	Density	1.104	S.G.
Size (mm)		156	Tripping	7.00	Viscosity	37	Sec/qt
Make		Varel	Drilling		Plastic Viscosity	7	Cp @ oC
Type		ETD	Reaming		Yield point	9	Lb/100ftsq
IADC Code		4-3-7	Testing/tools		Gel strengths	2 / 8	Lb/100ftsq
Serial Number		159891	Circulate Sample		Filtrate API	8.0	Cc/30 min
Nozzles (32)		12-14-14	Casing		Cake thickness	1	32nds
Depth in (m)		2256	Slip & Cut Block line		Solids content	4.4	% Vol
Depth out (m)		2500	Surveys		Liquid content O/W	0 / 95.6	% Vol
Total Metres		236	Circulate & Condition	2.00	Sand content		% Vol
Hours		47.50	Rig repair		Methylene Blue Cap	5.0	Ppb/equiv
WOB (kg)		10	Rig down bop		pH	8.5	
RPM		100	Coring		Sulphite	120	Mg/l
Condition			Breakdown kelly		KCL	3.2	% by wt
Impact Force		186	Lay out drill string		Daily Cost \$	4,964	
Jet Velocity		174	Logging	4.00	Cum Cost \$	108,514	

B.H.A.: Bit # 5 Bit-bit sub-1 x drill collar-stab-13 drill collars -jars- 3 drill collars

HOURLY OPERATIONS SUMMARY (0000 - 2400)		
From	To	Operation
0000	11:00	Drilled 156mm hole from 2451m to 2500m TD
11:00	12:00	Circulated hole clean
12:00	13:30	Wiper tripped hole to 2213m with no problems
13:30	14:30	Circulated
14:30	20:00	Tripped out for logging
20:00	24:00	Held safety meeting then Schlumberger ran Log # 1
		Mud losses 225 barrels
Safety	1	JSA Making up the bit in rotary table
	2	JSA Pre job safety for logging
Days since	LTA	570

SURVEYS	
° at	m

CHEMICALS USED	
Type	Amount
Kwikseal fine	21
Potassium chloride	70
Enerseal fine	21
AMC Pac Reg	5
Baryte	35
X-An vis	5

PUMP 1	
Liner	140 mm
Pressure	9800 kPa
A.V. DP	205 ft/min
A.V. DC	333 ft/min
SPM	40
GPM	224

PUMP 2	
Liner	140 mm
Pressure	KPa
A.V. DP	m/min
A.V. DC	m/min
SPM	
LPM	

CEMENT DATA	
Sacks	
Class	
%	
%	
%	
%	
Av. Wt	

LAST CASING	
Size	178 m
Weight	ppft
Grade	L-80
Connection	Buttress
Joints	106
Length	m
Shoe	1265.00 m

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DAILY DRILLING REPORT

WELL : TRIFON-2 **REPORT No. :** 18 **DFS:** 18 **DATE :** 7-Aug- 2004
2400 DEPTH : 2500 **LAST DEPTH :** 2500 **24 HR PROGRESS :** _____ **PTD :** _____
TOTAL FUEL : _____ **FUEL USAGE :** _____ **DAYCOST : \$** 40,486 **CUM. COST : \$** 1,720,558
0600 OPS : Rig stacked over the well with the mast down
Next 24 hr OPS: Halliburton pumped 2 bbls water down annulus @ 1000hrs 8/8/04 the pressure reached 750 psi before breaking down 1267-1950m
Site Personnel: Lou De-Vattimo - Supervisor

BIT INFORMATION			OPS BREAKDOWN			MUD PROPERTIES		
Bit Number			Drilling			Density	1.104	S.G.
Size (mm)			Tripping			Viscosity	37	Sec/qt
Make			Drilling			Plastic Viscosity	7	Cp @ oC
Type			Reaming			Yield point	9	Lb/100ftsq
IADC Code			Testing/tools			Gel strengths	2 / 8	Lb/100ftsq
Serial Number			Circulate Sample			Filtrate API	8.5	Cc/30 min
Nozzles (32)			Casing			Cake thickness	1	32nds
Depth in (m)			Slip & Cut Block line			Solids content	5.2	% Vol
Depth out (m)			Surveys			Liquid content O/W	0 / 94.8	% Vol
Total Metres			Circulate & Condition			Sand content		% Vol
Hours			Rig repair			Methylene Blue Cap	5.0	Ppb/equiv
WOB (kg)			Rig down bop			pH	8.5	
RPM			Coring			Sulphite	60	Mg/l
Condition			Breakdown kelly			KCL	3.2	% by wt
Impact Force			Lay out drill string			Daily Cost \$		NIL
Jet Velocity			Logging			Cum Cost \$		

B.H.A.: _____

HOURLY OPERATIONS SUMMARY (0000 – 2400)		
From	To	Operation
0000	06:00	Wait on cement
06:00		Schlumberger ran Cement bond log , the same result
		As previous .Resistance at 2242m and log showed that
	09:00	Cement top at 1950m
09:00		Expertest ran 2.30 inch Diameter blind box and could
	11:00	not pass 2242m same as Schlumberger tagged depth
11:00	12:00	Secured well then released rig at 12:00 hrs
		Hunt crew on site 5 people
		Pectil mud logging unit and crew departed today
		Installed safety fence around Wombat-1 and 2
		Equipment will have to be sourced out to clear the
		Obstruction at 2242m which may be a cement stringer
		That bridged off during the displacement process
Safety	1	JSA Lay out BOP
	2	JSA Laying out drill pipe
Days since	LTA	575

SURVEYS		
°	at	m

CHEMICALS USED	
Type	Amount
Kwikseal Course	
Potassium chloride	
Enerseal Medium	
AMC Defoamer	
Baryte	
AMC Biocide G	
Caustic	

PUMP 1		
Liner	140	mm
Pressure		kPa
A.V. DP		ft/min
A.V. DC		ft/min
SPM		
GPM		

PUMP 2		
Liner	140	mm
Pressure		KPa
A.V. DP		m/min
A.V. DC		m/min
SPM		
LPM		

CEMENT DATA	
Sacks	
Class	
%	
%	
%	
%	
Av. Wt	

LAST CASING		
Size	114.3	m
Weight	15.1	ppft
Grade	P-110	
Connection	Buttress	
Joints	200	
Length	2488.33	m
Shoe	2488.00	m