

**LAKES OIL N.L**

**WELL :** ECHIDNA H-1 **REPORT No. :** 22 **DFS:** 21.5 **DATE :** 19th March 05

**2400 DEPTH :** 1750.00m **LAST DEPTH :** 1680.00m **PROGRESS:** 70.00m **PTD :**                     

<b>TOTAL FUEL :</b>	5300	<b>FUEL USAGE :</b>	1400	<b>DAYCOST :\$</b>	28,325	<b>CUM. COST :\$</b>	1,101,203
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**0600 OPS :**      Drilling 152.44mm hole at 1770.00 m with Bit # 8

**Next 24 Hrs Op**    Drill ahead

**Site Personnel:** Lou DeVattimo - Supervisor

BIT INFORMATION			OPS BREAKDOWN		MUD PROPERTIES		
Bit Number	7 Re-Run	8	Drilling	24.00	Density	9.50	ppg
Size (mm)	156mm	154.22mm	Tripping		Viscosity	43	Sec
Make	Varel	Varel	Surveys		Plastic Viscosity	16@ 20deg	C
Type	L-127	ETD4	Slip and Cut line		Yield	20	100/ft2
IADC Code		2-1-6	Wireline logging		Gels	4/6/0lbs	100ft 2
Serial Number	170018	198663	Circulate Sample		API filtrate	6.30	30 min
Nozzles (32)	16-16-16	11-11-11	Repair Pumps		Cake	2.0	32 <sup>nd</sup> in
Depth in (m)	1609	1670	Prepare drillpipe		Corr solids	5.2	% Vol
Depth out (m)	1670	S.I.H	Surveys		Sand	.10	% Vol
Total Metres	61		Circulate & Condition		MBT	6.00	Ppb eq
Hours	34.50		Rig Service		Chlorides	28,500	Mg/l
WOB (kg)	9000		Rig up BOP		Hardness Ca	40	Mg/l
RPM	75		Drill out Cmt/Shoe		ASG	3.124	
Condition	4-6-ER(1-3)E-I-WT-HR		Breakdown kelly		KCL	5.50	% wt
Impact Force		168.8lb/ft	Wait On Cement		Daily Cost	\$	1,115
Jet Velocity		199ft/sec	Test BOPs		Cum Cost	\$	78,718

**B.H.A.:** 156mm Bit-Bit sub-2 x 4-3/4inch Drill collars-Stabilizer-13 x 4-3/4inch Drill collars-Jars-2 x 4-3/4inch Drill collars

HOURLY OPERATIONS SUMMARY (0000 – 2400)		
From	To	Operation
00:00	24:00	Drilled 6 inch hole from 1680m to 1750m
Days since	LTA	141

SURVEYS			
1.50	° at	1604	m
	° at		m
	° at		m
	° at		m
	° at		m
	° at		m
	° at		m
	° at		m

PUMP 1	
Liner	140 mm
Pressure	8625 kPa
A.V. DP	47.5 m/min
A.V. DC	76.7 m/min
SPM	38
GPM	173

CEMENT DATA	
Sacks Halliburton	
Class Bulk	
%	
%	
%	
%	
Av. Wt	

CHEMICALS USED	
Type	Amount
KCL Tech bulk	
Barazan D plus	
Pot Hydro	1
Caustic soda	
Barite	
Pac L	6
Pac R	3

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

LAST CASING	
Size	178 mm
Weight	58 Kg/m
Grade	K-55
Connection	Buttress
Joints	132
Length	1599.75 m
Shoe	1604m from RKB m