

05 Aug 2006

From : Troy Reid
To : Andy Wilkinson/ Brian King/James Hinton

Well Data				Town Side QC Done	
Drill Co.:	Ensign	Midnight Depth (MD):	1571.0m	Current Hole Size:	12.250in
Rig:	Ensign 32	Midnight Depth (TVD):	827.0m	Casing O.D.:	13.375in
Prognosed TD:	2350.0m	Progress:	473.0m	Shoe TVD:	312.0m
RT-GL:	5.90m	Days From Spud:	7.81	F.I.T. / L.O.T.	/ 20.00ppg
GL Elev.:	2.71m	Days On Well:	24.75	Rig Move Distance	1800+/- k's
Current Op's @ 0600 06 Aug 2006 : Tripping out of hole to pick up Clean out assy					
Planned Operations for 06 Aug 2006 : POOH with rotary steerable assy. RIH with clean out assy . Circulate and clean well. POOH with clean out assy . Rig up and run 9 5/8 casing					

Summary of Period 0000 to 2400 Hrs
Continue to drill 12 1/4 hole with Geo pilot steerable assy F/- 1099m to 1273m. Take survey every stand. Circulate and condition well while work on mud pump # 4 pop off. Continue to drill 12 1/4 with Geo pilot steerable assy F/-1273m to 1331m. Leaking wash pipe. Rack back one stand and replace washpipe. Continue to drill 12 1/4 F/- 1273m to 1571m. Take survey every stand. Add Radia green salt to active to reduce down hole torque

Formation Tops					
Sequence	Formation Name	Top Depth (MD, (m))	Top Depth (TVD, (m))	Comment	Wireline Depth (m)
1	Gippsland LMST	320.0	314.5	5.9L	

Operations For Period 0000 Hrs to 2400 Hrs on 05 Aug 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
IH	P	DM	0000	0630	6.50	1273.0m	Continue to drill 12 1/4 hole with Geo pilot steerable assy F/- 1099m to 1273m. Take survey every stand.
IH	TP	RMT	0630	0730	1.00	1273.0m	Circulate and condition well while work on mud pump # 4 pop off.
IH	P	DM	0730	1030	3.00	1331.0m	Continue to drill 12 1/4 with Geo pilot steerable assy F/-1273m to 1331m.
IH	TP	RO	1030	1130	1.00	1331.0m	Leaking wash pipe. Rack back one stand and replace washpipe.
IH	P	DM	1130	2400	12.50	1571.0m	Continue to drill 12 1/4 F/- 1273m to 1571m. Take survey every stand. Add Radia green salt to active to reduce down hole torque

Operations For Period 0000 Hrs to 0600 Hrs on 06 Aug 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
IH		DM	0000	0230	2.50	1606.0m	Continue to drill 12 1/4 hole F/-1571m to 1606m casing depth for 9 5/8. Take survey every stand.
IH		CMD	0230	0500	2.50	1606.0m	Circulate and condition well prior to tripping out.
IH		TO	0500	0600	1.00	1606.0m	Flow check . POOH to 1408m. Tight spot at 1408. Install TDU

General Comments	
Comments	Rig Requirements
Removed 3 x 9000 ltr loads from sump to Sale refuge. Chemical study was performed prior to any sump fluid remove and dumped. Recieved 3 x loads of water for turkeys nest.	

WBM Data		Cost Today \$ 39012				Cumulative Cost \$ 100054	
Mud Type: CI PHPA/Glycol	Viscosity: 64sec/qt	API FL Loss: 4.9cc	CI	30000	Solids:	4.8	
Depth: 1359.0m	PV: 22cp	Filter Cake: 1/32nd"	K+:	6%	H2O:	92%	
Time: 11:00	YP: 33lb/100ft²	HTHP FL: 10.0cc	Hard/Ca:	450	Oil:		
Weight: 9.50ppg	Gels 10s/10m: 8 / 14	HTHP Cake: 2/32nd"	MBT:	5	Sand:	1.0	
Temp:	Fann (3/6/100):		PM:		pH:	9	
	9 / 12 / 33		PF:	0.05	PHPA:	0.70ppb	
Comment: Reduced rheology and mud weight with dilution and finer shaker screens.							

WBM Data		Cost Today				Cumulative Cost \$ 100054	
Mud Type: CI PHPA Polymer/Glycol	Viscosity: 58sec/qt	API FL Loss: 5.8cc	CI	36000	Solids:	3.6	
Depth: 1532.0m	PV: 22cp	Filter Cake: 1/32nd"	K+:	6%	H2O:	92%	
Time: 21:00	YP: 40lb/100ft²	HTHP FL: 11.0cc	Hard/Ca:	660	Oil:		
Weight: 9.45ppg	Gels 10s/10m: 9 / 13	HTHP Cake: 2/32nd"	MBT:	5	Sand:	1.0	
Temp: 134.0F°	Fann (3/6/100):		PM:		pH:	9	
	9 / 12 / 36		PF:	0.1	PHPA:	0.60ppb	
Comment:							

Shakers, Volumes and Losses Data				Engineer: Manfred Olejniczak / J.V.Babu			
Equipment	Description	Mesh Size	Available	Losses	Comment		
Centrifuge	DE 1000		1536.0bbl	350.0bbl			
Centrifuge	DE 1000		283.0bbl	Downhole	Changed shakers back to 140/140/210/210. A combination that worked.		
Shaker 1	Derrick	Pyramid x 140	Mixing	Surf. + Equip.320.0bbl			
Shaker 1	Derrick	Pyramid-140/140	Hole	Dumped			
Shaker 2	Derrick	Pyramid x 140	210/210	De-Sander			
Shaker 2	Derrick	Pyramid-140/140	Slug	De-Silter			
			244.0bbl	Centrifuge 30.0bbl			

Bit # 4			Wear	I	O1	D	L	B	G	O2	R
Size: 12.250in	IADC#:	Nozzles	Drilled over last 24 hrs				Calculated over Bit Run				
Mfr: HYCALOG	WOB (avg): 7.0klb	No. Size	Progress: 473.0m				Cum. Progress: 936.0m				
Type: p	RPM (avg): 150	7 16/32nd"	On Bottom Time: 14.11h				Cum. On Btm Time: 20.25h				
Serial #: 211345	F.Rate: 775gpm		IADC Time: 22.50h				Cum. IADC Time: 34.50h				
Depth In: 636.0m	SPP: 2300psi		Total Revs:				Cum. Total Revs: 0				
Depth Out:	HSI:		ROP (avg): 33.52 m/hr				Overall ROP (avg): 46.22 m/hr				
Bit Model: RSX516S	TFA: 1.374										

BHA # 4					
Wt. Below Jars Dry: 0.0klb	Length: 175.0m	Torque (max): 6300ft-lbs	DC (1) Ann Vel.: 221fpm		
Weight Dry: 31031.0klb	String Weight: 73000.0klb	Torque On Btm: 6100ft-lbs	DC (2) Ann Vel.: 275fpm		
Type: Rotary steerable	Pick-Up Weight: 79000.0klb	Torque Off Btm: 5800ft-lbs	HWDP Ann. Vel.: 146fpm		
	Slack-Off Weight: 67000.0klb		DP Ann. Vel.: 146fpm		

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit		1.00m	12.25in		211345	36.50h
2	9600 Geo-Pilot		6.61m	9.50in	4.00in	1225083	36.50h
3	Flex Non-Mag DC		2.81m	8.00in	3.50in	CP1015763	36.50h
4	MWD		5.36m	8.00in	1.92in	DM	36.50h
						90109064	
5	MWD		3.08m	8.00in	1.92in	10562336	36.50h
6	Roller Reamer		2.01m	12.25in	3.00in	ASH786019	36.50h
7	Float Sub		0.65m	8.00in	2.81in	91506	23.00h
8	X/O		1.00m	8.00in	2.75in		45.50h
9	HWDP		86.05m	4.50in	2.75in		45.50h
10	Drilling Jars		9.42m	6.50in	2.75in	12A14234	45.50h
11	HWDP		57.17m	4.50in	2.75in		36.50h

Survey											
MD (m)	Incl. (deg)	Corr. AZ (deg)	TVD (m)	'V' Sect.	Dogleg (deg/100ft)	N/S (m)	E/W (m)	Departure	Deviation	Tool Type	
1002.25	72.51	119.57	635.3	-318.49	2.51	-318.49	527.29	616.01	121.1	MWD	
1118.04	71.67	115.22	670.9	-369.18	3.65	-369.18	625.08	725.96	120.6	MWD	
1233.87	71.80	114.62	707.2	-415.52	0.50	-415.52	724.83	835.49	119.8	MWD	
1378.57	70.75	115.43	753.7	-473.49	0.90	-473.49	849.00	972.11	119.1	MWD	
1522.57	71.02	117.07	800.8	-533.67	1.09	-533.67	971.03	1108.01	118.8	MWD	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Barite	sx	0	0	0	1,140.0	
KCl	sx	0	480	0	-480.0	
Salt	sx	0	0	0	0.0	
Gel	sx	0	0	0	240.0	
Potable Water	ltr	22000	8000	0	29,000.0	
Rig Fuel	ltr	0	9400	0	20,000.0	
Camp Fuel	ltr	0	350	0	2,800.0	

Pumps											
Pump Data - Last 24 Hrs							Slow Pump Data				
No.	Type	Liner (in)	SPM	Eff. (%)	Flow (gpm)	SPP (psi)	SPM	SPP (psi)	Depth (m)	MW (ppg)	
1	National - 8P-80	5.50	85	97	216	2450	60	120	1571.0	9.50	
2	National - 8P-80	5.50	85	97	216	2450	60	120	1571.0	9.50	
3	National - 8P-80	5.50									
4	IDECO - T1000	6.00	85	97	312	2450			1571.0	9.50	

HSE Summary					
Events	Date of Last	Days Since	Description	Remarks	
LTI/MTI incident free days	05 Aug 2006	0 Days	Incident free days 398/TRI 180 Days	Held 2 x pre tour safety meeting .Topics discussed .Drifting casing.Working with forklift.MSDS for Mixing Chemicals	