

13 Aug 2006

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

Well Data				Town Side QC Done	
Drill Co.:	Ensign	Midnight Depth (MD):	1660.0m	Current Hole Size:	8.500in
Rig:	Ensign 32	Midnight Depth (TVD):	848.0m	Casing O.D.:	9.625in
Prognosed TD:	2350.0m	Progress:	0.0m	Shoe TVD:	803.0m
RT-GL:	5.90m	Days From Spud:	15.81	F.I.T. / L.O.T.	/ 16.70ppg
GL Elev.:	2.71m	Days On Well:	32.75	Rig Move Distance	1800+/- k's
Current Op's @ 0600 14 Aug 2006 : Test new Hydraulic pump on tesco unit.					
Planned Operations for 14 Aug 2006 : Continue to drill 8 1/2 hole f/-1660m					

Summary of Period 0000 to 2400 Hrs
 POOH rack geo pilot assy. RIH w/- cleanout assy and condition mud while wait on tesco hydraulic pump.
 POOH w/- clean out assy. M/UP geo assy ,change out CNP/SLD. Load radio active sources. RIH to 764m at midnight.

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 13 Aug 2006

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH	TP	HBHA	0000	0100	1.00	1660.0m	Down load geo pilot data.
PH	TP	HBHA	0100	0200	1.00	1660.0m	Rack Geo pilot in derrick.
PH	TP	TI	0200	0600	4.00	1660.0m	M/up BHA # 9 and RIH to 1590m
PH	TP	CMD	0600	1500	9.00	1660.0m	Circulate and condition while waiting on tesco parts. Continue to work on Tesco unit hydraulic system. Change filters ,check for blockages in lines.
PH	TP	TO	1500	1900	4.00	1660.0m	POOH to change BHA to rotary steerable assy.
PH	TP	HBHA	1900	2100	2.00	1660.0m	Layout CNP/SLD tool in Sperry Sun BHA assy. CNP/SLD tool failed. Install new CNP/SLD.
PH	TP	HT	2100	2130	0.50	1660.0m	M/up BHA #10. Install Radioactive source in tools.
PH	TP	HT	2130	2230	1.00	1660.0m	RIH to 118m w/- geo pilot.
PH	TP	HT	2230	2300	0.50	1660.0m	Test MWD tools
PH	TP	TI	2300	2400	1.00	1660.0m	Continue to RIH to 1571m, filling every 20 stands to 764m

Operations For Period 0000 Hrs to 0600 Hrs on 14 Aug 2006

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH		TI	0000	0430	4.50	1660.0m	RIH w/- Geo Pilot assy to 1571m. Hydraulic pump arrived on location at 02:30 hrs.
PH		CHC	0430	0500	0.50	1660.0m	Circulate and condition while install hydraulic pump on tesco unit.
PH		RO	0500	0600	1.00	1660.0m	Test tesco hydraulic pump. Pre-charge pressure on Top drive started at 400psi normal. Started to rotate pre charge pressure dropped to 220psi. Continue to trouble shoot hydraulic system.

General Comments	
Comments	Rig Requirements
Tesco hydraulic pump arriving Adelaide 19:45 hrs 130806	

WBM Data		Cost Today			Cumulative Cost \$ 114161		
Mud Type: CI PHPA/Glycol	Viscosity: 52sec/qt	API FL Loss: 5.9cc	CI	30000	Solids:	6.1	
Depth: 1660.0m	PV: 13cp	Filter Cake: 1/32nd"	K+:	6%	H2O:	92%	
Time: 08:00	YP: 23lb/100ft²	HTHP FL:	Hard/Ca:	350	Oil:		
Weight: 9.80ppg	Gels 10s/10m: 6 / 10	HTHP Cake:	MBT:	5	Sand:	0.1	
Temp:	Fann (3/6/100):		PM:		pH:	9.5	
	6 / 9 / 22		PF:	0.15	PHPA:	0.50ppb	
Comment							

WBM Data		Cost Today			Cumulative Cost \$ 114161		
Mud Type: CI PHPA/Polymer	Viscosity: 55sec/qt	API FL Loss: 5.9cc	CI	30000	Solids:	6.2	
Depth: 1660.0m	PV: 16cp	Filter Cake: 1/32nd"	K+:	6%	H2O:	92%	
Time: 21:00	YP: 24lb/100ft²	HTHP FL:	Hard/Ca:	240	Oil:		
Weight: 9.80ppg	Gels 10s/10m: 8 / 11	HTHP Cake:	MBT:	5	Sand:	0.1	
Temp:	Fann (3/6/100):		PM:		pH:	9.5	
	6 / 10 / 23		PF:	0.15	PHPA:	0.50ppb	
Comment							

Shakers, Volumes and Losses Data				Engineer: Manfred Olejniczak / J.V.Babu			
Equipment	Description	Mesh Size	Available	890.0bbl	Losses	24.0bbl	Comment
Centrifuge	DE 1000		Active	339.0bbl	Downhole		
Centrifuge	DE 1000		Mixing		Surf. + Equip.	0.0bbl	
Shaker 1	Derrick	Pyramid-210/210	Hole	398.0bbl	Dumped	24.0bbl	
Shaker 1	Derrick	Pyramid-210/210	Slud		De-Sander		
Shaker 2	Derrick	Pyramid-175/175	Reserve	153.0bbl	De-Silter		
Shaker 2	Derrick	Pyramid-175/175	Kill		Centrifuge		

Bit # 8				Wear	I	O1	D	L	B	G	O2	R
					2	3	CT	A	X	I	BT	RIG
Size:	8.500in	IADC#:	M422	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	HYCALOG	WOB (avg):	5.0klb	No.	Size	Progress:			Cum. Progress: 41.0m			
Type:	p	RPM (avg):	100			On Bottom Time: 0.00h			Cum. On Btm Time: 3.26h			
Serial #:	213186	F.Rate:	600gpm			IADC Time: 0.00h			Cum. IADC Time: 4.00h			
Depth In:	1619.0m	SPP:	1600psi			Total Revs:			Cum. Total Revs: 0			
Depth Out:	1660.0m	HSI:				ROP (avg): N/A			Overall ROP (avg): 12.58 m/hr			
Bit Model:	RSX616M-B19	TFA:	0.000									
Bit # 6rr				Wear	I	O1	D	L	B	G	O2	R
											NO	
Size:	8.500in	IADC#:		Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	Hycalog	WOB (avg):		No.	Size	Progress:			Cum. Progress: 0.0m			
Type:	mt	RPM (avg):				On Bottom Time:			Cum. On Btm Time: 0.00h			
Serial #:	RO3706	F.Rate:				IADC Time:			Cum. IADC Time: 0.00h			
Depth In:	1606.0m	SPP:				Total Revs:			Cum. Total Revs: 0			
Depth Out:		HSI:				ROP (avg): N/A			Overall ROP (avg): 0.00 m/hr			
Bit Model:	HP21G	TFA:	0.000									
Bit # 9				Wear	I	O1	D	L	B	G	O2	R
Size:	8.500in	IADC#:		Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	HYCALOG	WOB (avg):		No.	Size	Progress:			Cum. Progress: 0.0m			
Type:	p	RPM (avg):		6	14/32nd"	On Bottom Time:			Cum. On Btm Time: 0.00h			
Serial #:	210621	F.Rate:				IADC Time:			Cum. IADC Time: 0.00h			
Depth In:	1660.0m	SPP:				Total Revs:			Cum. Total Revs: 0			
Depth Out:		HSI:				ROP (avg): N/A			Overall ROP (avg): 0.00 m/hr			
Bit Model:	RSX616	TFA:	0.902									

BHA # 9							
Wt. Below Jars Dry:	Length:	208.9m	Torque (max):	DC (1) Ann Vel.:	0fpm		
Weight Dry:	String Weight:	46000.0klb	Torque On Btm:	DC (2) Ann Vel.:	0fpm		
Type: Pendulum	Pick-Up Weight:	110000.0klb	Torque Off Btm:	HWDP Ann. Vel.:	0fpm		
	Slack-Off Weight:	54000.0klb		DP Ann. Vel.:	0fpm		

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit		0.26m	8.50in		RO3706	
2	Bit Sub		0.92m	6.50in	3.00in		43.50h
3	Drill Collar	6 X 6.5 DC	54.56m	6.50in	3.00in		52.50h
4	HWDP	9 X HWDP	86.05m	4.50in	2.75in		52.50h
5	Drilling Jars		9.95m	4.60in	3.00in	176020301	92.00h
6	HWDP	6 X HWDP	57.17m	4.50in	2.75in		43.50h

BHA # 10							
Wt. Below Jars Dry:	Length:	185.2m	Torque (max):	DC (1) Ann Vel.:	0fpm		
Weight Dry: 54529.0klb	String Weight:		Torque On Btm:	DC (2) Ann Vel.:	0fpm		
Type: Rotary Steerable	Pick-Up Weight:		Torque Off Btm:	HWDP Ann. Vel.:	0fpm		
	Slack-Off Weight:			DP Ann. Vel.:	0fpm		

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit		0.41m	8.50in		210621	4.00h
2	9600 Geo-Pilot		7.08m	8.50in	1.92in	GP850085	4.00h
3	Geo-Pilot NM Flex Joint w/-DM		2.81m	6.75in	1.92in	CP1004338	4.00h
4	6-3/4		8.49m	6.75in	1.92in	DM90108295	4.00h
5	MWD		9.18m	6.75in	1.92in	DM90107112	4.00h
6	Non Mag Hang Off Sub		3.05m	6.75in	1.92in	10635033	
7	Float Sub		0.63m	6.44in	2.75in	A225	4.00h
8	X/O		0.35m	6.25in	3.00in	M1623	43.50h
9	HWDP		86.05m	6.25in	2.81in		52.50h
10	Drilling Jars		9.95m	6.50in	2.75in	176020301	99.00h
11	HWDP		57.17m	6.25in	2.81in		43.50h

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
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
1606.00	71.07	117.05	827.9	-569.56	0.06	-569.56	1041.30	1186.89	118.7	MWD
1620.00	71.72	117.39	832.4	-575.63	5.18	-575.63	1053.10	1200.15	118.7	MWD
1647.00	69.84	118.53	841.3	-587.58	8.02	-587.58	1075.61	1225.64	118.6	MWD

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Barite	sx	0	0	0	490.0	
KCl	sx	0	0	0	-236.0	
Salt	sx	0	0	0	0.0	
Gel	sx	0	0	0	240.0	
Potable Water	ltr	0	7000	0	30,000.0	
Rig Fuel	ltr	0	3000	0	32,100.0	
Camp Fuel	ltr	0	350	0	3,650.0	

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	120	97	246	1600			1660.0	9.50
2	National - 8P-80	5.50	120	97	246	1600			1660.0	9.50
3	National - 8P-80	5.50								
4	IDECO - T1000	6.00		97	312					9.50

HSE Summary				
Events	Date of Last	Days Since	Description	Remarks
LTI/MTI incident free days	13 Aug 2006	0 Days	Incident free days 14/TRI 14 Days	Held 2 x pre tour safety meeting .Topics discussed .Housekeeping, drifting casing.