

14 Aug 2006

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

Well Data				Town Side QC Done	
Drill Co.:	Ensign	Midnight Depth (MD):	1680.0m	Current Hole Size:	8.500in
Rig:	Ensign 32	Midnight Depth (TVD):	856.0m	Casing O.D.:	9.625in
Prognosed TD:	2350.0m	Progress:	20.0m	Shoe TVD:	803.0m
RT-GL:	5.90m	Days From Spud:	16.81	F.I.T. / L.O.T.	/ 16.40ppg
GL Elev.:	2.71m	Days On Well:	33.75	Rig Move Distance	1800+/- k's
Current Op's @ 0600 15 Aug 2006 :		RIH w/- geo pilot assy			
Planned Operations for 15 Aug 2006 :		Continue to drill 8 1/2 hole w/- geo pilot.			

Summary of Period 0000 to 2400 Hrs
Repair tesco hydraulic unit. RIH w/- Geopilot to 1570m. Wash and ream down to bottom 1660m .High torque reaming to bottom. Continue to drill 8 1/2 hole w/- geo pilot assy to 1680m ROP dropped f/- 20m/hr to 1.2m/hr. Pump sweeps to unball bit. ROP still 1-2m/hr. POOH to check bit.

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 14 Aug 2006

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH	TP	TI	0000	0430	4.50	1660.0m	RIH w/- Geo Pilot assy to 1571m. Hydraulic pump arrived on location at 02:30 hrs.
PH	TP	CHC	0430	0500	0.50	1660.0m	Circulate and condition while tesco installs hydraulic pump on tesco unit.
PH	TP	RO	0500	1200	7.00	1660.0m	Test tesco hydraulic pump. Precharge pressure on Top drive started at 400psi normal. Started to rotate, pre-charge pressure dropped to 220psi. Continue to trouble shoot hydraulic system. Clean out hydraulic filters and found o-ring in hydraulic port. Also found wire strands in hydraulic manifold. Replaced filters and test hydraulic system, all working to spec.
PH	TP	RW	1200	1330	1.50	1660.0m	RIH f/- 1570m to 1621m. Take weight at 1621m. Work through, high torque 15000ft/lbs spikes. 35k overpull. Wash and ream to 1650m
PH	TP	TO	1330	1400	0.50	1660.0m	Sperry height calibration failed. POOH back to 9 5/8 casing shoe.
PH	TP	RO	1400	1500	1.00	1660.0m	Sperry replace decoder and calibrate block height.
PH	TP	RW	1500	1600	1.00	1660.0m	RIH to 1650m wash and ream f/-1650 to 1660m. High torque 15000 ft/lbs. From 1658m torque reduced to 8500 ft/bls. Tag bottom at 1660m.
PH	P	DM	1600	2100	5.00	1680.0m	Continue to drill 8 1/2 hole f/-1660m to 1680m. ROP avg 2m/hr. WOB 20-24, RPM 140, Torque 8500ft/lbs. Pump 2 x 20bbls 40ppb baracarb 600. Pump 20bbls 22% KCL sweep and soak for 10mins around bit.
PH	TP	RW	2100	2130	0.50	1680.0m	Pump back f/- 1680m to 9 5/8 casing shoe.
PH	TP	TO	2130	2400	2.50	1680.0m	Flow check pump slug POOH to 500m

Operations For Period 0000 Hrs to 0600 Hrs on 15 Aug 2006

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH		TO	0000	0130	1.50	1680.0m	Continue to POOH to 10m.
PH		HT	0130	0200	0.50	1680.0m	Hold PJSM and unload radiuo active source
PH		HT	0200	0230	0.50	1680.0m	Down load MWD data
PH		HBHA	0230	0330	1.00	1680.0m	Lay out flex joint and pull Bit# 9. Bit balled up with 1x blocked jet. Clean up bit and remove and clean out jets. No junk damage on BHA.

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH		HT	0330	0430	1.00	1680.0m	M/up bit# 9RR. Pick up flex joint and Test MWD. OK.
PH		HT	0430	0500	0.50	1680.0m	Hole PJSM. Install radioactive source
PH		TI	0500	0600	1.00	1680.0m	Continue to RIH w/- BHA#11

General Comments	
Comments	Rig Requirements
Repair tesco hydraulic unit. Clean out filter cans. Ditch magnet 24 hr period 7kg	

WBM Data	Cost Today \$ 2461	Cumulative Cost \$ 116622
Mud Type: KCl PHPA/Glycol	Viscosity: 51sec/qt	API FL Loss: 5.5cc
Depth: 1681.0m	PV: 18cp	Filter Cake: 1/32nd"
Time: 21:30	YP: 29lb/100ft ²	HTHP FL:
Weight: 9.90ppg	Gels 10s/10m: 9 / 13	HTHP Cake:
Temp:	Fann (3/6/100):	
	7 / 10 / 29	
Comment		

Shakers, Volumes and Losses Data				Engineer: Manfred Olejniczak / J.V.Babu			
Equipment	Description	Mesh Size	Available	910.0bbl	Losses	17.0bbl	Comment
Centrifuge	DE 1000		Active	417.0bbl	Downhole		Losses over shakers from bit balling pill pumped.
Centrifuge	DE 1000		Mixing		Surf. + Equip.	17.0bbl	
Shaker 1	Derrick	Pyramid-210/210	0/210/210	360.0bbl	Dumped		
Shaker 1	Derrick	Pyramid-210/210	0/210/210		De-Sander		
Shaker 2	Derrick	Pyramid-175/175	1/175/175	133.0bbl	De-Silter		
Shaker 2	Derrick	Pyramid-175/175	1/175/175		Centrifuge		
			Kill				

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): 18.0klb	No.	Size	Progress: 20.0m			Cum. Progress: 20.0m					
Type:	p	RPM (avg): 120	6	14/32nd"	On Bottom Time: 3.27h			Cum. On Btm Time: 3.27h					
Serial #:	210621	F.Rate: 600gpm				IADC Time: 5.00h			Cum. IADC Time: 5.00h				
Depth In:	1660.0m	SPP: 2300psi				Total Revs:			Cum. Total Revs: 0				
Depth Out:	1680.0m	HSI:				ROP (avg): 6.12 m/hr			Overall ROP (avg): 6.12 m/hr				
Bit Model:	RSX616	TFA: 0.902											

BHA # 10							
Wt. Below Jars Dry	35860.0klb	Length:	185.2m	Torque (max):	15500ft-lbs	DC (1) Ann Vel.:	0fpm
Weight Dry:	54529.0klb	String Weight:	70000.0klb	Torque On Btm:	8500ft-lbs	DC (2) Ann Vel.:	0fpm
Type:	Rotary Steerable	Pick-Up Weight:	120000.0klb	Torque Off Btm:	8500ft-lbs	HWDP Ann. Vel.:	283fpm
		Slack-Off Weight:	55000.0klb			DP Ann. Vel.:	283fpm

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit		0.41m	8.50in		210621	7.50h
2	9600 Geo-Pilot		7.08m	8.50in	1.92in	GP850085	7.50h
3	Geo-Pilot NM Flex Joint w/-DM		2.81m	6.75in	1.92in	CP1004338	7.50h
4	6-3/4		8.49m	6.75in	1.92in	DM90108295	7.50h
5	MWD		9.18m	6.75in	1.92in	DM90107112	7.50h
6	Non Mag Hang Off Sub		3.05m	6.75in	1.92in	10635033	3.50h
7	Float Sub		0.63m	6.44in	2.75in	A225	7.50h
8	X/O		0.35m	6.25in	3.00in	M1623	47.00h
9	HWDP		86.05m	6.25in	2.81in		55.50h
10	Drilling Jars		9.95m	6.50in	2.75in	176020301	102.50h
11	HWDP		57.17m	6.25in	2.81in		47.00h

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	40	0	450.0	
KCl	sx	0	40	0	-276.0	
Salt	sx	0	0	0	0.0	
Gel	sx	0	0	0	240.0	
Potable Water	ltr	0	7000	0	23,000.0	
Rig Fuel	ltr	0	2600	0	29,500.0	
Camp Fuel	ltr	0	350	0	3,300.0	

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	2400			1680.0	9.90
2	National - 8P-80	5.50	120	97	246	2400			1680.0	9.90
3	National - 8P-80	5.50								
4	IDECO - T1000									

HSE Summary				
Events	Date of Last	Days Since	Description	Remarks
LTI/MTI incident free days	14 Aug 2006	0 Days	Incident free days 15/TRI 15 Days	Held 2 x pre tour safety meeting .Topics discussed .Housekeeping,Unloading third party truck,Mixing mud chemicals.