

22 Aug 2006

From : Troy Reid/Conway Waak
To : Bob Goosem/ Brian King/James Hinton

Well Data				QC Not Done	
Drill Co.:	Ensign	Midnight Depth (MD):	2315.0m	Current Hole Size:	8.500in
Rig:	Ensign 32	Midnight Depth (TVD):	1364.8m	Casing O.D.:	9.625in
Prognosed TD:	2350.0m	Progress:	0.0m	Shoe TVD:	803.0m
RT-GL:	5.90m	Days From Spud:	24.81	F.I.T. / L.O.T.	/ 16.70ppg
GL Elev.:	2.71m	Days On Well:	41.75	Rig Move Distance	1800+/- k's
Current Op's @ 0600 23 Aug 2006 :		C&C mud. WO cement delivery.			
Planned Operations for 23 Aug 2006 :		Spot cmt plugs 3 & 4. WOC. Pressure test 13 3/8" csg x 9 5/8" annulus (20 ppg LOT EMW + 500 psi). Test and tag cmt plug in 9 5/8" casing. Lay down drillpipe.			

Summary of Period 0000 to 2400 Hrs
Finish running pressure surveys with Geo-Tap tool. Pump slug, pooh and lay down bha . M/up 2 7/8 Cement stinger, rih and spot cmt plugs no.1 and no.2. Circ btms up. Spot 30 bbls of high vis mud at 1996m

Formation Tops					
Sequence	Formation Name	Top Depth (MD, (m))	Top Depth (TVD, (m))	Comment	Wireline Depth (m)
1	Gippsland LMST	320.0	314.5	5.9m low	
2	Lakes Entrance	1880.0	962.9	3.6m high	
3	Latrobe Coarse Clastics	2124.5	1173.5	12m low	
4	Latrobe N Asperus (Coal)	2196.0	1243.7	18m low	

Operations For Period 0000 Hrs to 2400 Hrs on 22 Aug 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH	P	LOG	0000	0030	0.50	2315.0m	Finish running pressure surveys with Geo-Tap tool.
PH	P	CIR	0030	0130	1.00	2315.0m	Circ & cond mud. Wait-on orders to P&A.
PH	P	TO	0130	0530	4.00	2315.0m	Pump slug and POOH to BHA
PH	P	LDP	0530	0700	1.50	2315.0m	Layout out HWDP 15 jnts.
PH	P	HT	0700	0800	1.00	2315.0m	Down load MWD Data and remove radioactive sources.
PH	P	HBHA	0800	1030	2.50	2315.0m	Lay out Geo-Tap, MWD & 8-1/2" bit.
PH	P	TI	1030	1200	1.50	2315.0m	M/up 2 7/8" cement stinger and RIH to 212m
PH	P	TI	1200	1600	4.00	2315.0m	Continue to RIH w/- P & A stinger to 9 5/8 casing shoe, 1601m.
PH	P	CMD	1600	1630	0.50	2315.0m	Break circulation and condition mud.
PH	P	TO	1630	1830	2.00	2315.0m	Continue to RIH w/- cement stinger to TD 2315m. C&C mud.
PH	P	CMP	1830	2100	2.50	2315.0m	Safety meeting. Install circ swedge. Pump 5 bbls of spacer and test lines to 3000 psi. Pump 5 bbls of spacer. Mix and pump 183 cf of cmt. Displace cmt with 98.5 bbls of mud. Pooh to 2150. and circ btms up.
PH	P	CMP	2100	2300	2.00	2315.0m	Rih to 2198m. Safety meeting. Install circ swedge. Pump 5 bbls of spacer and test lines to 3000 psi. Pump 5 bbls of spacer. Mix and pump 182 cf of cmt. Displace cmt with 92.9 bbls of mud. Pooh to 1996m.
PH	P	CIR	2300	2400	1.00	2315.0m	Circ btms up. Spot 30 bbls of high vis mud at 1996m.

Operations For Period 0000 Hrs to 0600 Hrs on 23 Aug 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH		TO	0000	0100	1.00	2315.0m	Pooh from 1996m to 1588m.
PH		LDP	0100	0230	1.50	2315.0m	RIH with 6 1/4" drill collars from 1588m to 1645m. Pooh laying down drill collars.
PH		CIR	0230	0600	3.50	2315.0m	Circulate & condition mud. Wait on cement delivery.

General Comments	
Comments	Rig Requirements
Release wood group Release Premium casing services, Release expertist, Release Sperry directional drillers. Back load 240 joints 7" casing Backload geo pilot-Geo tap. Release 4 3/4 directional tools.	

WBM Data		Cost Today \$ 2805		Cumulative Cost \$ 182636	
Mud Type: KCl PHPA/Glycol	Viscosity: 63sec/qt	API FL Loss: 5.0cc	CI	37000	Solids: 10.2
Depth: 2315.0m	PV: 25cp	Filter Cake: 1/32nd"	K+:	6%	H2O: 87%
Time: 18:00	YP: 35lb/100ft ²	HTHP FL:	Hard/Ca:	380	Oil:
Weight: 10.55ppg	Gels 10s/10m: 9 / 14	HTHP Cake:	MBT:	8	Sand: 0.5
Temp:	Fann (3/6/100):		PM:		pH: 9
	10 / 13 / 35		PF:	0.05	PHPA:

Comment

Shakers, Volumes and Losses Data				Engineer: Manfred Olejniczak / J.V.Babu			
Equipment	Description	Mesh Size	Available	866.0bbl	Losses	134.0bbl	Comment
Centrifuge	DE 1000		Active	200.0bbl	Downhole		
Shaker 1	Derrick	Pyramid-4x140	Mixing		Surf. + Equip.	99.0bbl	
Shaker 2	Derrick	Pyramid-4x140	Hole	556.0bbl	Dumped	25.0bbl	
			Slug		De-Sander		
			Reserve	110.0bbl	De-Silter		
			Kill		Centrifuge	10.0bbl	

Bit # 7rr			Wear	I	O1	D	L	B	G	O2	R
Size:	8.500in	IADC#:	519	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):	70	6	14/32nd"	On Bottom Time:			Cum. On Btm Time: 0.00h		
Serial #:	112295	F.Rate:	550gpm			IADC Time:			Cum. IADC Time: 0.00h		
Depth In:	2315.0m	SPP:	2650psi			Total Revs:			Cum. Total Revs: 0		
Depth Out:	2315.0m	HSI:	6.00HSI			ROP (avg):			N/A Overall ROP (avg): 0.00 m/hr		
Bit Model:	RSX272	TFA:	0.902								

BHA # 13							
Wt. Below Jars Dry	5860.0klb	Length:	185.2m	Torque (max):	15500ft-lbs	DC (1) Ann Vel.:	0fpm
Weight Dry:	54529.0klb	String Weight:	100.0klb	Torque On Btm:	7500ft-lbs	DC (2) Ann Vel.:	0fpm
Type:	Rotary Steerable	Pick-Up Weight:	120000.0klb	Torque Off Btm:	9500ft-lbs	HWDP Ann. Vel.:	0fpm
		Slack-Off Weight:	75000.0klb			DP Ann. Vel.:	0fpm

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit		0.37m	8.50in		EM2429	32.73h
2	Stab		0.38m	8.50in	2.75in	10625874	32.73h
3	Float Sub		0.63m	6.44in	1.92in	GP850085	50.33h
4	MWD		2.70m	6.75in	1.92in	CP1004338	50.33h
5	6-3/4		8.49m	6.75in	1.92in	DM90108295	50.33h
6	Resistivity		9.18m	6.75in	1.92in	DM90107112	50.33h
7	Pressure Sensor		8.43m	6.75in	1.92in	10635033	46.33h
8	Non Mag Hang Off Sub		3.06m	6.44in	2.75in	A225	50.33h
9	X/O		0.35m	6.25in	3.00in	M1623	89.83h
10	HWDP		86.05m	6.25in	2.81in		88.27h
11	Drilling Jars		9.95m	6.50in	2.75in	176020301	145.33h
12	HWDP		57.17m	6.25in	2.81in		90.33h

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
2197.64	6.92	99.24	1245.3	-728.91	10.49	-728.91	1371.49	1553.16	118	MWD
2226.47	3.33	92.87	1274.0	-729.24	12.59	-729.24	1374.04	1555.56	118	MWD
2255.27	1.11	90.43	1302.8	-729.28	7.71	-729.28	1375.15	1556.57	117.9	MWD
2284.10	0.92	88.16	1331.6	-729.27	0.67	-729.27	1375.66	1557.02	117.9	MWD
2303.74	1.19	92.86	1351.2	-729.28	1.44	-729.28	1376.03	1557.34	117.9	MWD

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite	sx	0	249	0	-380.0
KCl	sx	0	0	0	-620.0
Salt	sx	0	0	0	0.0
Gel	sx	0	0	0	230.0
Potable Water	ltr	0	8000	0	12,000.0
Rig Fuel	ltr	0	4300	0	25,820.0
Camp Fuel	ltr	0	350	0	6,700.0

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	74	97	568	2650	44	300	2315.0	10.50
2	National - 8P-80	5.50	74	97	568	2650	60	400	2315.0	10.50
3	National - 8P-80	5.50	74	97	568	2650	44	300	2315.0	10.50
4	IDECO - T1000						60	400		

HSE Summary				
Events	Date of Last	Days Since	Description	Remarks
Pre-Tour Meetings	21 Aug 2006	1 Day	Incident free days 21/TRI 21 Days	Held 2 x pre tour safety meeting .Topics discussed ,Tripping with geo tap.Housekeeping around rig site.

GALLOWAY-1 - Progress vs. Planned (Post-spud)



IDSDataNet - Created On 23 Aug 2006 04:35am