

21 Aug 2006

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

Well Data				Town Side QC 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:	23.81	F.I.T. / L.O.T.	/ 16.70ppg
GL Elev.:	2.71m	Days On Well:	40.75	Rig Move Distance	1800+/- k's
Current Op's @ 0600 22 Aug 2006 :		Pooh with Geo-Tap logging tool.			
Planned Operations for 22 Aug 2006 :		Pooh. Lay down logging tools. Pick up cmt stinger. Rih and plug well.			

Summary of Period 0000 to 2400 Hrs

Pooh to directional tools. Unload radioactive source from LWD tools & download logging information. Break-out bit and lay down Geo-Pilot. Pick up new BHA (bit and Geo-Tap on pendulum ass'y). Install new batteries in RLL Tool. Load radioactive source RIH w/- BHA to 186m & shallow test MWD tools OK. RIH to 9 5/8 casing shoe 1601m. Slip & cut drilling line. RIH from 1893m to 2123m. Wash and ream from 2123m to 2133m. Correlate from 2123m to 2133m. Take 11 pressure points with GeoTap tool from 2126m to 2282mMDRT.

Formation Tops					
Sequence	Formation Name	Top Depth (MD, (m))	Top Depth (TVD, (m))	Comment	Wireline Depth (m)
1	Gippsland LMST	235.0	234.2	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 21 Aug 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH	P	TOB	0000	0100	1.00	2315.0m	POOH to directional tools.
PH	P	HT	0100	0230	1.50	2315.0m	Safety meeting. Unload radioactive source from directional tool. Download logging information.
PH	P	HT	0230	0400	1.50	2315.0m	Safety meeting. Rack back MWD tools. Break bit and lay down Geo-Pilot.
PH	P	HT	0400	0600	2.00	2315.0m	Safety meeting. Pick up new BHA (Bit and Geo-Tap). Install new batteries in RLL Tool.
PH	P	HBHA	0600	0730	1.50	2315.0m	M/up bit RR7, sleeve, stab and Geo-Tap.
PH	P	HT	0730	0800	0.50	2315.0m	Load MWD data.
PH	P	HT	0800	0830	0.50	2315.0m	Load radioactive source
PH	P	HBHA	0830	0900	0.50	2315.0m	RIH w/- BHA to 186m.
PH	P	HT	0900	0930	0.50	2315.0m	Shallow test MWD tools ok.
PH	P	TI	0930	1300	3.50	2315.0m	RIH to 9 5/8 casing shoe 1601m
PH	P	SC	1300	1400	1.00	2315.0m	Slip 66' drilling line. Cut 117' drilling line.
PH	P	RS	1400	1430	0.50	2315.0m	Rig service
PH	P	TI	1430	1500	0.50	2315.0m	RIH from 1893m to 2123m.
PH	P	RW	1500	1630	1.50	2315.0m	Wash and ream from 2123m to 2133m.
PH	P	LOG	1630	1700	0.50	2315.0m	Correlate from 2123m to 2133m.
PH	P	LOG	1700	2130	4.50	2315.0m	Take pressure points with GeoTap tool at 1177, 1178, 1186, 1197, 1211, 1234 & 1257mRT (sample point depths)/
PH	P	LOG	2130	2200	0.50	2315.0m	Correlate from 2271m to 2278m.
PH	P	LOG	2200	2400	2.00	2315.0m	Take pressure points with GeoTap tool at 1311, 1313, 1318 & 1332mRT (sample point depths).

Operations For Period 0000 Hrs to 0600 Hrs on 22 Aug 2006

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH		LOG	0000	0030	0.50	2315.0m	Finish running pressure surveys with Geo-Tap tool.
PH		CIR	0030	0130	1.00	2315.0m	Circ & condition mud. Wait on orders from town.
PH		TO	0130	0600	4.50	2315.0m	Pump slug and pooh. Lay down directional tools.

General Comments	
Comments	Rig Requirements
Recieve back up geo tap tool.	

WBM Data	Cost Today \$ 3063	Cumulative Cost \$ 179831
Mud Type: KCl/PHPA/Glycol	Viscosity: 60sec/qt	API FL Loss: 5.0cc
Depth: 2315.0m	PV: 25cp	CI 37000
Time: 8:00	YP: 36lb/100ft ²	Solids: 10.2
Weight: 10.55ppg	Gels 10s/10m: 9 / 15	K+: 6%
Temp:	Fann (3/6/100):	Hard/Ca: 380
	10 / 13 / 36	Oil: 0.5
		MBT: 8.5
		PM: 9
		PF: 0.05
		PHPA:
Comment	Maintaining properties with centrifuge plus new dilution.	

WBM Data	Cost Today	Cumulative Cost \$ 179831
Mud Type: KCl/PHPA/Glycol	Viscosity: 65sec/qt	API FL Loss: 5.0cc
Depth: 2315.0m	PV: 25cp	CI 37000
Time: 22:30	YP: 36lb/100ft ²	Solids: 10.2
Weight: 10.55ppg	Gels 10s/10m: 9 / 15	K+: 6%
Temp:	Fann (3/6/100):	Hard/Ca: 380
	10 / 13 / 36	Oil: 0.5
		MBT: 8
		PM: 9
		PF: 0.05
		PHPA:
Comment		

Shakers, Volumes and Losses Data				Engineer: Manfred Olejniczak / J.V.Babu			
Equipment	Description	Mesh Size	Available	Losses	Comment		
Centrifuge	DE 1000		953.0bbl	159.0bbl			
Centrifuge	DE 1000		288.0bbl	Downhole			
Shaker 1	Derrick	Pyramid-140/140	499.0bbl	Surf. + Equip.	99.0bbl		
Shaker 1	Derrick	Pyramid-140/140	166.0bbl	Dumped	25.0bbl		
Shaker 2	Derrick	Pyramid-140/140		De-Sander			
Shaker 2	Derrick	Pyramid-140/140		De-Silter			
				Centrifuge	10.0bbl		
				filtration	25.0bbl		

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:	HYCLOG	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:		HSI: 6.00HSI				ROP (avg):			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.:	264fpm
		Slack-Off Weight:	75000.0klb			DP Ann. Vel.:	264fpm

#	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" RLL w/- DGR,EWR,PWD.		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	0	0	-131.0	
KCl	sx	0	50	0	-620.0	
Salt	sx	0	0	0	0.0	
Gel	sx	0	0	0	230.0	
Potable Water	ltr	0	8000	0	20,000.0	
Rig Fuel	ltr	0	3800	0	30,120.0	
Camp Fuel	ltr	0	350	0	7,050.0	

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	0 Days	Incident free days 21/TRI 21 Days	Held 2 x pre tour safety meeting .Topics discussed ,Tripping with geo tap.Housekeeping around rig site.