



				<u>Trefo</u>	<u>il-2</u>				
Date : 10 Nov	2009		(Seology Report	Number : 28			(asso	ciated DDR # 41
				Well De	etails				
Depth MDBRT:		277	4.0m Rig:		Kan	Tan IV	Date:		10 Nov 2009
Depth TVDBR1	:	277	4.0m Progress:			141.0m	Report Start:		0000
Depth TVDSS:		274	8.0m RTE agl:				Report End:		2400
Hole Size:		8.8	500in GLE ams	l:		0 (m)	Days On Location:		40.38
Hole Size Carb	ide:		Last Csg	Size:	!	9.625in	Days since Spud:		35.67
Water Depth (N	(ISL)	6	9.0m Last Csg	Shoe:	2	520.0m			
RT-ASL(MSL)		2	6.0m F.I.T. / L.0	O.T.:	11.0	00ppg /			
				Operations	Summary				
24hr Summary:		Ran in hole	Drilled ahead in	-					
Forward Plan:		Drill ahead	n 216 mm (8-1/2") hole section.					
General Co	mments	I.							
00:00 TO 24:00		ov 2009							
		Geo	services: 2 Data e	enaineers. 2 mud	loggers, 2 sar	nple catcl	hers on board. Rese	rval Gas equ	ipment calibrated
Operatio	nal Comment	: s 5 No	ov 09, standard ga rry: 3 MWD engin	as equipment cali					
Resistivity (EWR-P4) Directional (PCD) 10 Density (ALD) 15.56 Porosity (CTN) 19.43 Sonic (BAT) 24.20 Caliner (ACAL) 31.03			ctional (PCD) 10.0 sity (ALD) 15.56 rosity (CTN) 19.43	07 m n m					
				WBM I	Data				
Mud Type: I	(CI POLYMER	Flowline Ten	np:	CI:	41000mg/l	Low Grav	vity Solids:	Viscosity	46sec/6
Sample From:	2	MWD Circ To	emp:	Hard/Ca:	220mg/l	High Gra	vity Solids:	PV YP	10d 28lb/100f
Time:	21:30 hrs	Glycol CP Te	emp:	MBT:	11	Solids (co	orrected):	Gels 10s	2015/1001
Weight:	9.40ppg	Glycol:		PM:	0.3	H2O:	93%	-	1
ECD TD:		Nitrates:		PF:	0.25			Fann 003 Fann 006	1
ECD Shoe: ECD Cuttings:		Sulphites:	5.0/00min	MF:	2.2	Sand:	.3 %	railli 100	2
KCI Equiv:	9%	API FL: API Cake:	5.0cc/30min 1/32nd"	pH: PHPA Excess:	9	Barite:		Fann 200 Fann 300	3
		7ti i Gaite.	1/02/10	THI A EXOCOS.				Fann 600	4
Shakers, Vo	olumes and	d Losses I	Data	Engineer : Mike	Lawrance / F	ergus Sp	encer		
Available	2103.0bbl	Losses	0.0bbl	Equip.		Descr.	Mesh S		Hours
Active	685.0bbl	Downhole		Shaker 1		VSM 300	•		
Mixing	0.0bbl	Surf+ Equip	0.0bbl	Shaker 2 Shaker 3		VSM 300 VSM 300			14 14
Hole	597.0bbl	Dumped		Shaker 4		VSM 300			,
Slug		De-Gasser					,		
Reserve	821.0bbl	De-Sander							
		1		I					
Kill		De-Silter							

Comment

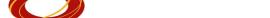






	Formation Tops							
	Prognosed		Actual		Diff.	Thickness		
Formation	MDBRT (m)	TVDSS (m)	MDBRT (m)	TVDSS (m)	+ / - TVD (m)	MD (m)	Pick Criteria	
Torquay Group	95.00	69.00	95.00	69.00	0.00	823.00	Sea floor	
Lower Miocene Seismic Marker	904.00	878.00	918.00	892.00	-14.00	244.00	GR increase	
Upper Angahook	1168.00	1142.00	1162.00	1136.00	6.00	169.00	GR decrease, res increase	
Angahook Volcanics Equiv	1323.00	1297.00	1331.00	1305.00	-8.00	238.00	GR decrease, res increase	
Lower Angahook	1564.00	1538.00	1569.00	1543.00	-5.00	281.00	GR decrease, res increase	
Demons Bluff	1839.00	1813.00	1850.00	1824.00	-11.00	255.00	Res increase	
Eastern View Coal Measures	2092.00	2066.00	2105.00	2079.00	-13.00	596.50	Res decrease	
Eocene Unconformity	2691.00	2665.00	2701.50	2675.10	-10.10	126.00	GR decrease	
2973 Seismic Marker	2841.00	2815.00	2827.50	2801.10	13.90	0.00	GR decr, res incr, porosity decr, density decr	

Marker							
		Lithology Summary					
Interval MDBRT (m)	ROP	Lithology					
From To	(m/hr)	Littiology					
2633.00 - 2684.50	Min:2 Avg:12 Max:33	Interbedded SILTSTONE and SANDSTONE, minor thin CLAYSTONES SILTSTONE (10-90%): brownish black, olive black, soft to firm, blocky to subblocky, in part argillaceous, traces carbonaceous material, lithic fragments and micromicas. SANDSTONE (10-80%): clear, opaque, very light grey, loose quartz grains, medium grained, 20% fine, 20% coarse, angular (shattered) to subangular to subrounded, poor to moderately sorted, subspherical to subrounded, trace poor silica cement, traces white and brown mica flakes, fair visual porosity inferred, no hydrocarbon ndications. CLAYSTONE (0-10%): olive black, firm, subblocky, trace micromicas, trace carbonaceous specks.					
Interval MDBRT (m)	ROP	Lithology					
From To	(m/hr)	Littiology					
2684.50 - 2701.50	Min:2 Avg:17 Max:40	Interbedded CALCAREOUS SANDSTONE and CALCILUTITE with minor SANDSTONE, SILTSTONE and CLAYSTONE CALCAREOUS SANDSTONE (10-95%): very light grey, light grey, friable to moderately hard, fine grained, 40 very fine, subangular to subrounded, moderately sorted, subspherical, well calcareous cemented, traces alter lithic fragments, traces carbonaceous material, fair visual porosity, no hydrocarbon indications. CALCILUTITE (50-85%): light gray to medium light gray to medium gray, trace yellowish gray, very soft to firm subblocky to blocky, grading to claystone in part, trace carbonaceous material. SANDSTONE (0-60%): very light grey, clear and opaque, predominantly loose to friable, quartzose, fine grain 10% very fine grained, 40% medium, subangular to subrounded, subspherical to subelongate, poor siliceous cement when aggregates, traces pyrite cement, 5% clay matrix, traces brown mica flakes, fair visual porosity inferred, no hydrocarbon indications. SILTSTONE (5-40%): brownish black, olive black, olive grey, soft to firm, subblocky to blocky, grading to clays in part, traces carbonaceous material, lithic fragments, micromicas. CLAYSTONE (0-35%): medium grey to medium dark grey to olive grey, soft to firm, subblocky to blocky, trace carbonaceous material, trace micromica.					
Interval MDBRT (m) ROP From To (m/hr)		Lithology					
2701.50 - 2711.00	Min:5 Avg:13 Max:37	Interbedded SANDSTONE and SILTSTONE and CLAYSTONE, with minor DOLOMITE SANDSTONE (20-25%): very light grey, light grey, 40% very fine, 60% fine, friable to moderately hard, moderately to well sorted, subrounded to rounded, subspherical, trace pyrite cement, trace lithic fragments, trace carbonaceous material, trace nodular pyrite, fair inferred visual porosity, no hydrocarbon indications. SILTSTONE (33-40%): brownish black, olive black, olive grey, soft to firm, subblocky to blocky, grading to claystone in part, traces carbonaceous material, lithic fragments, micromicas. CLAYSTONE (0-40%): medium grey to medium dark grey to olive grey, soft to firm, subblocky to blocky, trace carbonaceous material, trace micromica. DOLOMITE (0-2%): Brownish grey to moderate brown to pale brown, soft to firm, subblocky to blocky.					
Interval MDBRT (m) ROP From To (m/hr)		Lithology					
2711.00 - 2774.00	Min:4 Avg:23 Max:36	CLAYSTONE interbedded with SANDSTONE, SILTSTONE and ARGILLACEOUS SILTSTONE CLAYSTONE (30-95%): medium grey to medium dark grey, olive grey to light olive grey, very soft to soft to firm, amorphous to subblocky to blocky, trace carbonaceous material, trace micromica, trace nodular pyrite. ARGILLACEOUS SILTSTONE (5-50%): brownish black, olive black, olive grey to brownish grey, soft to firm, subblocky to blocky, trace carbonaceous material, trace lithic fragments, trace pyrite. SILTSTONE (5-40%): brownish black, olive black, olive grey, soft to firm, subblocky to blocky, grading to claystone in part, traces carbonaceous material, lithic fragments, micromicas. SANDSTONE (0-30%): white to very light grey to clear and opaque, trace yellowish grey, 10% very fine, 70% fine, 20% medium grains, loose to firm, moderately to well sorted, subrounded to rounded, subspherical to spherical, trace silica cement, trace micromica, good inferred visual porosity, no hydrocarboln indications.					







	Gas Data								
Depth Interval (m)	Gas Type	Total Gas (%)	C1 (%)	C2 (%)	C3 (%)	iC4 (%)	nC4 (%)	C5 (%)	CO2 (%)
2633.00 -	Trip	0.204	0.0428	0.0401	0.0396	0.0375	0.0135	0.0114	0.000
2633.00 - 2774.00	Drilled	0.318	0.1534	0.0200	0.0130	0.0037	0.0021	0.0016	0.000

				Survey				
MDBRT	Incl.	Corr. Az	TVDBRT	'V' Sect	Dogleg	N/S	E/W	Tool Type
(m)	(deg)	(deg)	(m)	(deg)	(deg/30m)	(m)	(m)	
2646.63	1.4	86.4	2646.32		23.4			MWD
2674.00	1.5	91.3	2673.68		23.7			MWD
2702.98	1.6	88.3	2702.65		24.0			MWD
2732.91	1.7	88.5	2732.57		24.3			MWD
2762.56	1.9	89.9	2762.20		24.6			MWD

	06:00 Hrs Update				
Time:	06:00 Hrs on 11 Nov 2009				
Depth:	2858 mMDRT/ 2858 mTVDRT				
Progress Since Midnight (m):	84				
Status @ 0600hrs:	Drilling ahead new 8 1/2 hole 2881m.				
Formation:	Eastern View Coal Measures				
Lithology:	CLAYSTONE interbedded with SILTSTONE and SANDSTONE				
ROP:	Average ROP: 23.3 m/hr (8.47 - 30.9 m/hr)				
Gas:	verage background gas - 0.2676%, C1: 0.0923%, C2: 0.0168%, C3: 0.0139%, iC4: 0.0036%, nC4: 0.0024%, C5: .0017%, CO2: 0.0000%. Peak at 2830 mMDRT: TG 2.2761%, C1 1.2091%, C2 0.1739%, C3 0.1596%, iC4 0.0442%, C4 0.0427%, C5 0.0280%, CO2 0.0000%				

Wellsite Geo	logist(s)
(Days) - Dennis Archer	(Nights) - Larissa Hansen