

Date · 14 M							Basker-4						
Date . 14 Mil	ay 2006		Geology Report Number : 12									(associated DDR # 18)	
							Well Detail	s					
Depth MDR	T:		3241.0m Rig: OCEAN PATRIOT Date:									14 May 2006	
Depth TVDBRT:				3062.0m RTE amsl					21.5m	Report	eport Start:		
Depth TVDS	SS:		3040.5m LAT amsl			:		154.5m Report End			End:		24:00
Progress:			108.0m Last Csg			Size:		13.375in			n Location:		16.44
Hole Size:			12.250in Last Csg				TVD):		987.2m	-	nce Spud:		76.50
Hole Size: Hole Size Carbide:					-			987.2m Days si 998.5m					10.00
					Last Csg. Shoe F.I.T. / L.O.T.:		vid).	12.50ppg /					
				<u> </u>	.1.1./ L.				soppy /				
						-	rations Sun	-					
24hr Summa	ary:		Drilled t	he interval from	m 3133-	-3241m	MDRT at 240	Ohrs					
			<ul> <li>3133 - 3184m MDRT</li> <li>Interbedded Sandstone (loose fine to very coarse), Argillaceous Sandstone (very fine to fine grained), Silty Claystone (gradational to Carbonaceous Claystone) and thin Coal stringers.</li> <li>ROP 2 - 44 m/hr</li> <li>6 m/hr average ROP Background gas 0.9%TG</li> <li>Preliminary pick for the top of the "Zone 0" Reservoir Sandstone is 3184m MDRT = 3006m TVDRT.</li> </ul>										
			3184 - 3196m MDRT Capping Coal Seam overlying clean, medium grained Sandstone grading down to Carbonaceous Claystone. ROP 2 - 27 m/hr 4 m/hr average ROP Background gas 1.6%TG										
			Preliminary pick for the top of the "Zone 1.1" Reservoir Sandstone is at 3196m MDRT = 3017.9m TVDRT										
			<ul> <li>3196 - 3241m MDRT</li> <li>Interbeds of clean, coarser grained Sandstone and variably Carbonaceous Claystone - latter grading to thin Coal Seams and Highly Carbonaceous Claystone in places.</li> <li>ROP 2.2 - 66 m/hr</li> <li>5.7 m/hr average ROP Background gas 0.45%TG</li> <li>Hydrocarbon fluorescence was observed from 3230 - 3235m see "oil shows" for description.</li> <li>Drill ahead 311mm hole to TD.</li> </ul>							in Coal			
Forward Pla	in:		5.7 m/h Hydroca	r average ROF arbon fluoresc	ence wa	as obser	as 0.45%TG		n see "o	il shows" 1	for descriptio	٦.	
Forward Pla	in:		5.7 m/h Hydroca	r average ROF arbon fluoresc	ence wa	as obser	as 0.45%TG ved from 323	0 - 3235n	n see "o	il shows" t	for description	n.	
			5.7 m/h Hydroca Drill ahe	r average ROF arbon fluoresc ead 311mm ho	ence wa	as obser D.	as 0.45%TG ved from 323 WBM Data	0 - 3235n <b>a</b>					63500/
Mud Type:	PHPA/KCL/		5.7 m/h Hydroca Drill ahe Flowline	r average ROF arbon fluoresc ead 311mm ho Temp:	ence wa	as obser D. CI:	as 0.45%TG ved from 323 WBM Data	0 - 3235n a 5000mg/l	Low Gra	avity Solid:	s:	n. Viscosity PV	
Mud Type: Sample From	PHPA/KCL/	tive pit	5.7 m/h Hydroca Drill ahe Flowline MWD Ci	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp:	ence wa	Cl: Hard/C	as 0.45%TG ved from 323 WBM Data	0 - 3235n <b>a</b> 5000mg/l 520mg/l	Low Gra High Gr	avity Solida avity Solid	s: ls:	Viscosity PV YP	18c 38lb/100f
Mud Type: Sample From Time:	PHPA/KCL/ n: Ac	tive pit 20:15	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp:	ence wa	CI: Hard/C MBT:	as 0.45%TG ved from 323 WBM Data	0 - 3235n a 5000mg/l 520mg/l 4.5	Low Gra High Gr Solids (	avity Solid:	s: ls: :	Viscosity PV YP Gels 10s	18c 38lb/100f 1
Mud Type: Sample From Time: Weight:	PHPA/KCL/ n: Ac	tive pit 20:15	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol:	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2	ence wa	CI: Hard/C MBT: PM:	as 0.45%TG ved from 323 WBM Data	0 - 3235n a 5000mg/l 520mg/l 4.5 0.4	Low Gra High Gr Solids ( H2O:	avity Solida avity Solid	s: ls: : 91%	Viscosity PV YP	18c 38lb/100f 1 1
Mud Type: Sample From Time: Weight: ECD TD:	PHPA/KCL/ n: Ac	tive pit 20:15	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates:	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2	ence wa	CI: Hard/C MBT: PM: PF:	as 0.45%TG ved from 323 WBM Data	0 - 3235n a 5000mg/l 520mg/l 4.5 0.4 0.05	Low Gra High Gr Solids ( H2O: Oil:	avity Solida avity Solid	s: ls: : 91% 0%	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006	18c 38lb/100fi 1i 1i 1i 1 1 1
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe:	PHPA/KCL/ n: Ac 9.	tive pit 20:15	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s:	ence wa	Cl: Hard/C MBT: PM: PF: MF:	as 0.45%TG ved from 323 WBM Data	0 - 3235n a 5000mg/l 520mg/l 4.5 0.4 0.05 0.7	Low Gra High Gr Solids ( H2O: Oil: Sand:	avity Solida avity Solid	s: ls: : 91%	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100	180 38lb/100ft 10 11 11 11 1 1 30
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings	PHPA/KCL/ n: Ac 9.	tive pit 20:15 50ppg	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite: API FL:	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc	ence wa ble to TE 2.1%vol c/30min	Cl: Hard/C MBT: PM: PF: MF: pH:	as 0.45%TG ved from 323 WBM Data 4: a:	0 - 3235n <b>a</b> 5000mg/l 520mg/l 4.5 0.4 0.05 0.7	Low Gra High Gr Solids ( H2O: Oil:	avity Solida avity Solid	s: ls: : 91% 0%	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006	18c 38lb/100ft 11 11 11 1 1 1 1 30 30 31 31 31 31 31 31 31 31 31 31 31 31 31
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings	PHPA/KCL/ n: Ac 9.	tive pit 20:15 50ppg	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc	ence wa	Cl: Hard/C MBT: PM: PF: MF: pH: PHPA I	as 0.45%TG ved from 323 WBM Data 4: a:	0 - 3235n 3 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8	Low Gra High Gr Solids ( H2O: Oil: Sand:	avity Solida avity Solid	s: ls: : 91% 0%	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200	180 38lb/100ft 10 18 18 19 19 36 47 56
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv:	PHPA/KCL/ n: Ac 9. s:	tive pit 20:15 50ppg	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e:	ence wa ble to TE 2.1%vol c/30min	Cl: Hard/C MBT: PM: PF: MF: PHPA I PHPA I	as 0.45%TG ved from 323 WBM Data 4: a: Excess:	0 - 3235n 3 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8 0 0 0 0 0 0 0 0 0 0 0 0 0	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite:	avity Solid avity Solid corrected)	s: ls: 91% 0% .5	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600	18c 38lb/100ft 11 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format	PHPA/KCL/ n: Ac 9. s:	tive pit 20:15 50ppg	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite: API FL:	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e:	ence wa ble to TE 2.1%vol c/30min	Cl: Hard/C MBT: PM: PF: MF: pH: PHPA I	as 0.45%TG ved from 323 WBM Data 4: a: Excess:	0 - 3235n 3 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite:	avity Solid avity Solid corrected) Thickn	s: ls: 91% 0% .5	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600 Pick C	18c 38lb/100f 1 1 1 3 4 5 7 7 Criteria
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format Latrobe Gp	PHPA/KCL/ n: Ac 9. s: tion	20:15 50ppg 8% 2190	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e: 2068.00	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219	Cl: Hard/C MBT: PM: PF: MF: pH: PHPA I PHPA I Act 0.00	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual 2065.20	0 - 3235n 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8 0000 Di 2.	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: ff. 80	avity Solid: avity Solid corrected) Thickn	s: ls: 91% 0% .5 ess (MD)	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 200 Fann 200 Fann 300 Fann 600 Pick C LWD GR-RES	18c 38lb/100f 1 1 1 3 4 5 7 7 Criteria
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format	PHPA/KCL/ n: Ac 9. s: tion	8%	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e:	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219	Cl: Hard/C MBT: PM: PF: MF: pH: PHPA I PHPA I	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual	0 - 3235n 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8 0000 Di 2.	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: ff.	avity Solid: avity Solid corrected) Thickn	s: ls: 91% 0% .5	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600 Pick C	18c 38lb/100f 1 1 1 3 4 5 7 7 Criteria
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format Latrobe Gp K2 Sandstor	PHPA/KCL/ n: Ac 9. s: tion	20:15 50ppg 8% 2190	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno 5.00	r average ROF arbon fluoresc ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e: 2068.00	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219 279	Cl: Hard/C MBT: PM: PF: MF: pH: PHPA I PHPA I Act 0.00	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual 2065.20	0 - 3235n 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8 0ps Di 2. -20	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: ff. 80	avity Solid: avity Solid corrected) Thickn 6( 25	s: ls: 91% 0% .5 ess (MD)	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 200 Fann 200 Fann 300 Fann 600 Pick C LWD GR-RES	18c 38lb/100ft 11 11 11 11 11 11 11 11 11 11 11 11 11
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format Latrobe Gp K2 Sandstor "marker" Ma2 Sandsto	PHPA/KCL/ n: Ac 9. s: tion ne tone	20:15 50ppg 8% 2190 2775	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno 5.00	r average ROF arbon fluoresci ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e: 2068.00 2591.50	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219 279 305	Cl: Hard/C MBT: PM: PF: MF: PHPA I PHPA I O.00 9.00	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual 2065.20 2612.30	0 - 3235n 5000mg/l 520mg/l 4.5 0.4 0.05 0.7 8.8 0 0 0 0 0 0 0 0 0 0 0 0 0	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: ff. 80 0.80	avity Solid: avity Solid corrected) Thickn 60 25	s: ls: : 91% 0% .5 .5 eess (MD) 09.00 51.00	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600 Pick C LWD GR-RES LWD and San	18c 38lb/100ft 11 18 11 11 11 11 11 11 11 11 11 11 11
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format Latrobe Gp K2 Sandstor "marker" Ma2 Sandsto	PHPA/KCL/ n: Ac 9. s: tion ne tone	20:15 50ppg 8% 2190 2775 3045	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno 5.00	r average ROF arbon fluoresci ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e: 2068.00 2591.50 2857.50	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219 279 305	Cl: Hard/C MBT: PM: PF: MF: PHPA I PHPA I C Act 0.00 9.00 0.00	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual 2065.20 2612.30 2852.00	0 - 3235n 3 5000mg/l 4.5 0.4 0.05 0.7 8.8 0 0 0 0 0 0 0 0 0 0 0 0 0	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: Barite: ff. 80 0.80 50	avity Solid: avity Solid corrected) Thickn 60 25	s: ls: : 91% 0% .5 ess (MD) 09.00 51.00 34.00	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600 Pick C LWD GR-RES LWD and San LWD GR-RES	18c 38lb/100ft 11 18 11 11 11 11 11 11 11 11 11 11 11
Mud Type: Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format Latrobe Gp K2 Sandstor "marker" Ma2 Sandsto	PHPA/KCL/ n: Ac 9. s: tion ne tone	20:15 50ppg 8% 2190 2775 3045	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno 5.00	r average ROF arbon fluoresci ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e: 2068.00 2591.50 2857.50	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219 279 305	Cl: Hard/C MBT: PM: PF: MF: PHPA I PHPA I C Act 0.00 9.00 0.00	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual 2065.20 2612.30 2852.00 2984.50 Oil Shows	0 - 3235n 3 5000mg/l 4.5 0.4 0.05 0.7 8.8 0 0 0 0 0 1 2. -20 5. -6.	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: Barite: ff. 80 0.80 50	avity Solid: avity Solid corrected) Thickn 60 25	s: ls: 91% 0% .5 ess (MD) 09.00 51.00 34.00 0.00	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600 Pick C LWD GR-RES LWD and San LWD GR-RES	18c 38lb/100fi 11 11 11 1 1 3 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Sample From Time: Weight: ECD TD: ECD Shoe: ECD Cuttings KCI Equiv: Format Latrobe Gp K2 Sandstor "marker" Ma2 Sandsto	PHPA/KCL/ n: Ac 9. s: tion ne tone	20:15 50ppg 8% 2190 2775 3045 3195	5.7 m/h Hydroca Drill ahe Flowline MWD Ci Glycol C Glycol C Glycol: Nitrates: Sulphite: API FL: API Cak Progno 5.00	r average ROF arbon fluoresci ead 311mm ho Temp: rc Temp: P Temp: 2 s: 4.8cc e: 2068.00 2591.50 2857.50 2978.00	ence wa ble to TE 2.1%vol 2/30min 1/32nd" 219 279 305 318	Cl: Hard/C MBT: PM: PF: MF: PHPA I PHPA I C Act 0.00 9.00 0.00	as 0.45%TG ved from 323 WBM Data 4: a: Excess: Drmation Tc ual 2065.20 2612.30 2852.00 2984.50	0 - 3235n 3 5000mg/l 4.5 0.4 0.05 0.7 8.8 0 0 0 0 0 1 2. -20 5. -6.	Low Gra High Gr Solids ( H2O: Oil: Sand: Barite: Barite: 60.80 50 50	avity Solid: avity Solid corrected) Thickn 60 25	s: ls: : 91% 0% .5 ess (MD) 09.00 51.00 34.00	Viscosity PV YP Gels 10s Gels 10m Fann 003 Fann 006 Fann 100 Fann 200 Fann 300 Fann 600 Pick C LWD GR-RES LWD and San LWD GR-RES	S nple S



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						G	as							
Depth Range	Gas Type	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)	C1/C (ppm		F1* (ppm)	F2* (ppm)	F3* (ppm)	
3133.00 - 3184.00	Background	0.90	6369	619	288	42	68	47	10.29	9 22.11	135.51	110	2,122.77	
Comment:	1		1	1	1	1	1					1	1	
3136.50 -	Peak	1.20	9283	915	341	43	61	38	10.1	5 27.22	244.29	104	3,437.47	
Comment:														
3158.00 -	Peak	1.20	9080	857	353	48	71	48	10.6	25.72	189.17	119	2,999.79	
Comment:													·	
3184.00 - 3196.00	Background	1.60	12323	1090	502	76	136	101	11.3	1 24.55	122.01	212	3,341.62	
Comment:														
3186.00 -	Peak	4.00	33182	2606	987	147	245	170	12.73	3 33.62	195.19	392	8,285.04	
Comment: T	his peak sourc	ed from coal	seam with	80% coal	described	d in ctgs sa	mple at 3	3186m MDI	RT.					
3189.00 -	Peak	2.30	16925	1542	817	133	226	152	10.9	3 20.72	111.35	359	5,571.59	
Comment: A	ssociated with	a medium gi	rained qua	rtz sandsto	one bed									
3196.00 - 3241.00	Background	0.45	2581	304	173	32	57	53	8.49	14.92	48.7	89	801	
Comment:	1		4	Į.		4						1		
3197.50 -	Peak	2.63	20495	1855	1021	179	316	212	11.0	5 20.07	96.67	495	6,715.19	
Comment: A	ssociated with	a medium to	coarse gra	ained qua	tz sandsto	one bed								
3211.00 -	Peak	4.00	33512	2754	1354	202	369	225	12.1	7 24.75	148.94	571	10,425.19	
Comment: F	rom near top o	of sandstone	bed with m	inor drillin	g break ar	nd increase	ed resistiv	vity.C1/C5	cross pl	ot suggests h	ydrocarbon.		·	
3216.50 -	Peak	2.40	19193	1511	743	119	202	135	12.7	25.83	142.17	321	5,359.51	
Comment: P	robably associ	ated with coa	al seam sir	ice 20% c	oal in ctgs	from 3215	-3220m l	MDRT sam	ple.					
3226.00 -	Peak	2.90	23808	1893	775	142	207	106	12.5	3 30.72	224.6	349	8,784.26	
Comment: A	ppears to be a	ssociated wi	th significa	nt 50-60%	coal in ct	gs sample	3225m N	/IDRT						
3237.50 -	Peak	3.95	29892	2466	1245	226	340	206	12.12	2 24.01	145.11	566	10,196.24	
Comment: A	ssociated with	coarse loose	e sand, res	istivity ind	cates hyd	rocarbons	-							
F1*: C1 / C5	F2*:	iC4 + nC4	F3*: (	(C2 + C3) / (	C5 / (iC4 + n	C4))								
						Sur	vey							
MDRT	Inc	d.	Corr. Az		DBRT	'V' S		Dogle	0	N/S	EΛ	N -	ГооІ Туре	
(m)	(de	eg)	(deg)		(m)	(de	g)	(deg/30	m)	(m)	(m	ı)		
3126.92	7.6	272	2.8	2949.	32	899.2		1.5		66.5	-896.8	MW	MWD	
3154.38	7.0	271	1.5	2976.	56	902.7		0.8		66.3	-900.3	MW	D	
3184.68	6.2	274	1.4	3006.	66	906.1		0.8		66.2	-903.8	MW	D	
3212.14	5.6	271	1.9	3033.	97	908.9		0.7		66.0	-906.6	MW	D	
3241.95	5.1	272	2.7	3063.	65	911.7		0.5	.	65.9	-909.4			

	06:00 Hrs Update				
Time:	06:00 Hrs on 15 May 2006				
Depth:	3281 / 3102.5				
Progress Since Midnight:	43				
Drilling Status:	Drilling ahead 311mm (12 1/4") hole at 3284m MDRT				
Formation:	Latrobe Formation Zone 0 @ 3184 mMDRT 3006 mTVDRT Zone 1.1 @ 3196 mMDRT, 3017.9 mTVDRT				
Lithology:	Interbedded Sandstone, Argillaceous Sandstone, Silty Claystone and Coal.				
ROP:	2.5 - 35 m/hr 7.1 m/hr average				
Gas:	<ul> <li>Background 0.8% Ci 5303 ppm, C2 570 ppm, C3 306 ppm, IC4 50 ppm, NC4 94 ppm, C5 76 ppm</li> <li>Peak 3248.5m 6.2% associated with coal.</li> <li>Peak 3252m 6.4% C1 46058 ppm, C2 3640 ppm, C3 1838 ppm, IC4 274 ppm, NC4 495 ppm, C5 293 ppm, hydrocarbon.</li> <li>Peak 3258m 2.8% associated with coal</li> <li>Peak 3268m 5.4% associated with coal</li> </ul>				
Wellsite Geologist(s)					
	(Days) - Mike Woodmansee (Nights) - Stuart Duff				



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Lithology Report					
Depth	Interval	Main	Lithology		
Depth (mRT)	Depth Range	Lithology	Lithology %	Qualifier	Description
2960.0	2965.0	Clyst	40	slty	Claystone, It - med brnish gy, very soft to soft, sub-blocky to amorphous, 25% siliceous clay, 75% siliceous silt, 5% coal.
3140.0	3145.0	Sst	10	arg	Sandstone, It gy, It brn, very soft to firm, sub-blocky to amorphous, sub-angular to rounded, to well sorted, slightly elongated to slightly spherical, 40% siliceous clay, 15% siliceous silt, 45% siliceous sand, 60% very fine grained, 40% fine grained, 1% coal, trace of pyrite, 10% porosity.
3140.0	3145.0	Clyst	20	slty	Claystone, It gy, v It - dk brnish gy,, soft to firm, sub-blocky to sub-fissile, 60% siliceous clay, 40% siliceous silt, 2% coal.
3140.0	3145.0	Sst	70		Sandstone, clr-transl quartz grains, loose, angular to sub-rounded, well sorted, elongated to slightly spherical, 5% siliceous clay, 95% siliceous sand, 20% medium grained, 75% coarse grained, 5% very coarse grained, trace of pyrite cement, trace of pyrite, 20% porosity.
3180.0	3185.0	С	80		Coal, blk, vitreous, bituminous and bright, moderately hard to hard, conchoidal to blocky, trace of pyrite.
3180.0	3185.0	Clyst	20	carb	Claystone, medium to dark greyish brown and sometimes blackish brown, soft to firm, sub-blocky to sub-fissile, 70% siliceous clay, 30% siliceous silt, 4% coal, trace of pyrite.
3185.0	3190.0	Sst	80		Sandstone, light grey overall and clr-transl quartz grains, loose, angular to sub-rounded, moderately sorted to well sorted, elongated to slightly spherical, 100% siliceous sand, 10% very fine grained, 15% fine grained, 70% medium grained, 5% coarse grained, trace of pyrite cement, trace of pyrite, 20% porosity.
3185.0	3190.0	С	2		Coal, blk, vitreous, bituminous and bright, moderately hard to hard, conchoidal to blocky, trace of pyrite.
3190.0	3195.0	Sst	70		Sandstone, light grey overall and clr-transl quartz grains, loose, angular to sub-rounded, moderately sorted, elongated to slightly spherical, 100% siliceous sand, 10% fine grained, 50% medium grained, 35% coarse grained, 5% very coarse grained, 0.2% pyrite cement, trace of pyrite, 20% porosity.
3202.5	3205.0	С	20		Coal, blk, vitreous, bituminous and bright, moderately hard to hard, conchoidal to blocky, trace of pyrite.
3220.0	3225.0	Sst	5		Sandstone, light grey overall and clr-transl quartz grains, loose to friable, angular to sub-rounded, poor sorted to moderately sorted, elongated to slightly spherical, 100% siliceous sand, 2% fine grained, 20% medium grained, 50% coarse grained, 20% very coarse grained, 5% granular grained, 0.2% pyrite cement, 0.2% calcite cement, trace of pyrite, trace of coal/lignite, trace of mica, 16% porosity.
3220.0	3225.0	С	45		Coal, blk, vitreous, bituminous and bright, moderately hard to hard, conchoidal to blocky, trace of pyrite.
3220.0	3225.0	Clyst	50	carb	Claystone, medium to dark greyish brown and sometimes blackish brown, soft to firm, sub-blocky to sub-fissile, 70% siliceous clay, 30% siliceous silt, 4% coal, trace of pyrite.
3230.0	3235.0	С	5		Coal, blk, vitreous, bituminous and bright, moderately hard to hard, conchoidal to blocky, trace of pyrite.
3230.0	3235.0	Sst	25	arg	Sandstone, It olive gy to light and medium shades of brownish grey, very soft to moderately hard, sub-blocky to amorphous, sub-angular to rounded, to well sorted, slightly elongated to slightly spherical, 30% siliceous clay, 15% siliceous silt, 55% siliceous sand, 60% very fine grained, 40% fine grained, 2% coal, trace of pyrite, 10% porosity, hydrocarbon show.
3230.0	3235.0	Sst	35		Sandstone, light grey overall and clr-transl quartz grains, loose to friable, angular to sub-rounded, poor sorted to moderately sorted, elongated to slightly spherical, 100% siliceous sand, 2% fine grained, 20% medium grained, 50% coarse grained, 25% very coarse grained, 0.2% pyrite cement, 0.2% calcite cement, trace of pyrite, trace of coal/lignite, trace of mica, 16% porosity.