



08 93486802

## Baker Hughes INTEQ

## Daily Drilling Mud Report 7

PI#		Report Date 04/Oct/2001		Depth MD 1790 m		TVD m	
Acc.#		Spud Date 29/Sep/2001		Present Activity Wiper Trip			
Operator Woodside Energy Limited		Contractor Diamond Offshore		Rig No. Ocean Bounty			
Report For D Bell / J Trethewie		Report For Ron Safar / Rick Sepulveda		Legal Description Exploration			
Well Name and Number Geographe North-1		Field or Block Number VIC / P43		Lease, Offshore Area Bass Strait		State Victoria Country Australia	
Drilling Assembly		Casing/Riser		Volumes		Pump Information	
Hole Size 12.25 in	Depth 1790 m	Bit Type	OB 21	RD 19.75	Set 107	Mole 874	
Drill Collars	Drill Pipe		13.375	12.347	558	Ptts	
8	2.813	125.7	5	4.276	1339.6	Total Vol. 874	
		5	3	264.7		In Storage 1402	
						Hole Information	
						Hole Inclination deg	
						Water Depth 82 m	
						Circulating Pressure 1288 psi	
						Total Flow 15.27 bpm	
Mud Properties		Drill Collar Ann. Vel.		Circulation Times			
Sample Number	1	2	3	4	DC#1 m/min 55.61	Surface to bit min 6	Full Cycle Time min
Source	Pits	Flowline	Pits		DC#2 m/min	Blms up min	Mud Type Aquadrill
Time	04:30	13:10	21:00		DC#3 m/min	Solids Analysis	
Sample Temp C	49	49	49		DC#4 m/min		
Flowline Temp C	52	41			Drill Pipe Ann. Vel.		
Depth MD m	1740	1790	1790		DP#1 m/min 13.11	ASG	3.37
Mud weight sg	1.25	1.28	1.28		DP#2 m/min 38.27	LGS ppb	40.54
Funnel vis. sec/qt	88	79	81		DP#3 m/min	HGS ppb	61.22
Plastic Viscosity cp	29	29	30		DP#4 m/min	LGS%	4.45
Yield Point lbs/100ft2	37	42	42		Bit Information		
Gels 10 sec lbs/100ft2	6	7	7		Size in	Bentonite ppb	-3.86
Gels 10 min lbs/100ft2	12	13	12		Type	Bentonite%	-0.43
Gels 30 min lbs/100ft2					Number	Drill Solids ppb	44.42
API Filtrate cc	3.2	3.5	3.5			DH4 Solids%	4.88
HTHP API					Depth in m	Rheology	
HTHP Temp. C					RPM	600 RPM	95
Cake API	1	1	1		WOB lb	300 RPM	66
Cake HTHP					Nozzles	200 RPM	54
% Water	86	85	85		Bit Hydraulics		
% Oil					TFA in2	100 RPM	39
% Solids	11	12	12		Nozzle velocity ft/sec	6 RPM	9
% Corr. Solids	8.62	9.65	9.70		Pressure Drop	3 RPM	6
% Glycol	3	3	3		Hydraulic HP	Hydraulic Analysis	
Sand Content	1	0.75	1		HHP/sg in	in Annulus	0.534
MBT ppb	4.40	4.40	5.00		Impact Force lbf	k Annulus	12.822
Chloride mg/l	45 000	45 000	44 000		Nozzle Diam. in	System Hydraulic Horsepower	482
Total Hardness mg/l	120	120	140		Pressure Drop%	ECD @ TD sg	1.27
Gypsum mg/l	24	24	30		Mud Property Specification		
Calcium mg/l	80	80	100		Weight 1.25 - 1.28 sg	Viscosity 6 pm 8 - 10	Filtrate < 6.0
Potassium mg/l	31274	31009	30968		Recommendations		
CaCl2 mg/l					Continued addition of Newdrill Liquid to flowline @ 2 dr/hr.		
NaCl mg/l	27 460	27 857	26 268		Pumped hi-vis pills. Pills brought back approx 50% increase in very large cuttings. Cuttings at shakers exhibited dry core & a firm/discrete nature while drilling.		
MgCl2 mg/l					Weight up system to 1.28sg prior to wiper trip.		
KCl mg/l	59 630	59 125	59 047		Cuttings at shakers while backreaming softer than seen while drilling but still showed a dry core when broken open.		
pH	10.5	10.5	10.5		Spotted 35bbl caustic pill (ph 14) around BHA while servicing top drive and let soak.		
Alk. Pm	1	1.1	0.8		Built un-weighted premix for 8.5" section for blending with 1.28sg.		
Alk. Pf	0.35	0.45	0.3		Note increase in rheology from pumping hi-vis pills incl. Flowzan		
Alk. Mf	0.9	1.1	1.1		Used 4 new 145 and 4 new 165 mesh screens.		
Hydroxyl mg/l					Rec'd chemicals from Pacific Conqueror as per manifest.		
Carbonates mg/l	420	540	360		Remarks		
Bicarbonates mg/l	244	244	610		Cont. to drill 12.25" hole. Pump 50 bbl hi-vis sweep @ 1708 & 1770m to assist with hole cleaning. Circ sample @ 1774m poss. formation change for geo. Cont. drill 12.25" hole from 1774-1790m TD. Pump 50 bbls hi-vis sweep @ TD and circ B/U. Cont. circ & increase MW to 1.28 sg. Flush choke and kill lines with 1.28 sg. Perform survey and SCR's. Flow check (static) and POOH.		
KCl %	5.8	5.8	5.8		POOH from 1790-1415m. Back ream from 1415-932m. Max overpull 150K max TQ 20K.		
Alplex %	5.7	5.7	5.7		Cont. to POOH from 932 - 13 3/8" shoe (no drag) Flowcheck (static). Sweep 50 bbls caustic pill around BHA. Service TDS. Circ. B/U work pipe & boost riser. RIH from 575m filling every 20 statnds.		
Glycol %	3	3	3		Tag 1700m 30K.		
BHI Rep. Berry / A Owen	Rep. Phone 9348 6953	Warehouse Dampier / Portland	Warehouse Phone	Daily Cost 25 967.55	Cum. Cost 243 260.00	Inventory Value 142 131.38	

Any opinion and/or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation or warranty is made by ourselves or our agents as to the correctness or completeness, and no liability is assumed for any damages resulting from the use of same.

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Report For	Report For	Ron Safar /Rick Sepulveda		Legal Description Exploration		
Well Name and Number	Field or Block Number	VIC / P43		Lease, Offshore Area	State	Country
Geographie North-1				Bass Strait	Victoria	Australia

## Totals

Previous Cost US\$	217 292.44	Total Inventory Value US\$	142 131.38	Total Weight Material MT	87.16
Daily Cost US\$	25 967.55	Total Chemical Deck Load MT	140.68	Total Ph Weight MT	278.58
Cummulative Cost US\$	243 260.00	Max Potential MudWt appr	1.63	Total Deck Load MT	419.26

## Products and Services

Products	Units	Initial Balance	Received	Issued	Balance	Unit Cost	Total cost	Closing Balance	Comment
ALPLEX	50 lb bag	0				73.01	.00	0	
AQUA-COL	200 liter drum	40			6	469.76	4 018.56	34	
CALCIUM CHLORIDE 96%	25 kg bag	40				17.12	.00	40	
CAUSTIC SODA	25 kg bag	2				26.01	.00	39	
CHEK-LOSS	25 lb bag	62				42.27	.00	62	
CL-BAR	20 liter pail	20				60.85	.00	20	
MIL-BAR	25 kg bag	200				7.70	.00	200	
CL-BAR	1 MT bulk	51.4			22.3	101.78	5 416.38	10.1	
W-DRILL	20 liter pail	68			22	48.77	1 072.94	46	
NOXONER 1	5 gal pail	14				25.85	.00	14	
PENETREX	55 gal drum	0				736.52	.00	0	
KCL bulk	1 MT bulk bag	6	15		6	733.82	2 157.02	15	
SAPP	25 kg bag	40				84.40	.00	40	
SODA ASH	25 kg bag	26				13.17	.00	26	
SODIUM BICARBONATE	25 kg bag	35				13.81	.00	35	
ALCOHOL 120 P	25 kg bag	72			3	105.54	844.72	64	
CIRCAL 1000	25 kg bag	24	96			18.15	.00	120	
CIRCAL 60-16	25 kg bag	6	80			18.62	.00	89	
CIRCAL Y	25 kg bag	24	96			21.09	.00	120	
CITRIC ACID	25 kg bag	3				5.05	.00	0	
DRISPAC R	50 lb bag	89			13	122.01	1 586.13	76	
DRISPAC S	50 lb bag	72			10	122.81	1 220.18	62	
FLOWZAN	25 kg bag	59			13	308.58	4 011.54	46	
KWIKSEAL C	40 lb bag	0	30			37.52	.00	30	
KWIKSEAL F	40 lb bag	42				37.52	.00	42	
KWIKSEAL M	40 lb bag	17	15			37.52	.00	32	
MIL-GUAR	25 kg bag	56				70.47	.00	56	
INTELOSFT H	25 kg bag	20				91.15	.00	20	
GLUTERALDEHYDE 25%	5 gal pail	2	32			74.36	.00	34	
THERMOSET F	25 kg bag	18				95.18	.00	18	
AQUA-COL B	200 liters Drum	15	16		7	937.66	6 563.62	24	
GE	1 MT bulk	52.10				258.26	.00	52.10	
KUM	25 kg pail	12			3	36.81	110.43	9	
MUDJEEF-GEOPHANE-N	1 bag	0				45.77	.00	0	

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Geographe North-1				Bass Strait	Victoria	Australia

## Solids Control Equipment

Equipment	Run Hours	Dried Rate kg/Min	Dried Vol m <sup>3</sup>	Wet Rate kg/Min	Wet Vol m <sup>3</sup>	Wet Solids kg	Total kg	
Sweco Desander 3 x 12" cones	12	6.00	72.00	1.31	60.00	720.00	1.25	792.00
Sweco Desander 20 x 4" cones	12	2.00	24.00	0.40	20.00	240.00	1.25	636.00
Degasser								

## Shakers

Equipment	Hours	Mesh	Equipment	Hours	Mesh
Thule VSM 100	15	Scalper 10 Mesh, 4 x 145	Thule VSM 100	15	Scalper 10 Mesh, 4 x 165
Thule VSM 100	15	Scalper 10 Mesh, 2 x 180, 2 x 120	Thule VSM 100	15	Scalper 10 Mesh, 4 x 145

## Volumes

Additions in bbls				Totals				Losses in bbls			
Water	559	Chemicals	46	Previous Volume	2025	Total Active Volume	874	Surface		Left in Hole	
Brine		Weighting agents		Hole volume	874	Total volume	2276	Down hole		Dumped	
Oil/Synthetic		From Plant		Active Volume		Volume change	251	SCE	354	Mud returned	
Mud		Other		Reserve Volumes	1402			Behind Csg		Other	

## TDR Hours

Drilling	Survey	Coring	Wait on Cement	Circulating	Fishing
Reaming	Wait on weather	Tripping	Logging	Back Reaming	Other
Rlg Service	Running Casing	Testing	Total	0.00	