



Baker Hughes INTEQ

Daily Drilling Mud Report 11

Report Date		08/Oct/2001		Depth MD		2156 m		TVD		m							
Acc.#		Spud Date		29/Sep/2001		Present Activity		POOH to log									
Operator				Contractor				Rig No.									
Woodside Energy Limited				Diamond Offshore				Ocean Bounty									
Report For				Report For				Legal Description									
D Bell / S Job				S. Andrews / Ron Safar				Exploration									
Well Name and Number				Field or Block Number				Lease, Offshore Area				State		Country			
Geographie North-1				VIC / P43				Bass Strait				Victoria		Australia			
Drilling Assembly				Casing/Riser				Volumetric				Pump Information					
Hole Size	Depth	Bit Type	OD	ID	Length	Hole	Stroke	Rate	Eff.	MA/100	ft/min	ft/min	gpm				
8.5 in	2156 m	MA89PX	21	19.75	107	631	National 12-P-160	12	6	97	0.1018	90	1457	385			
Drill Collar		Drill Pipe		10.75	9.85	377.3	Pits	National 12-P-160	12	6	97	0.1018	85	1376	363		
OD	ID	Length	OD	ID	Length	610	National 12-P-160	12	6	97	0.1018						
6.5	2.813	0	5	4.276	0	Total Vol.											
			5	3	0	1241											
						In Storage											
						820											
Hole Information																	
Hole Inclination												deg		Water Depth		82 m	
Circulating Pressure												3800 psi		Total Flow		17.82 bpm	
Mud Properties				Drill Collar Ann. Vel.				Circulation Times									
Source	Pits	Flowline	DC#1 m/min			Surface to bit min			Full Cycle Time min								
Time	08:50	16:30	DC#2 m/min			Bit to up min			Mud Type		Aquadill						
Le Temp C	49	49	DC#3 m/min			Solids Analysis											
Flowline Temp C	42	47	DC#4 m/min														
Depth MD m	1945	2156	Drill Pipe Ann. Vel		ASG		3.03		3.03								
Mud weight sg	1.15	1.16	DP#1 m/min			LGS ppb	35.19		37.81								
Funnel vis. sec/qt	52	54	DP#2 m/min			HGS ppb	21.15		22.80								
Plastic Viscosity cp	16	22	DP#3 m/min			LGS%	3.87		4.15								
Yield Point lbs/100ft2	21	11	DP#4 m/min			HGS%	1.44		1.55								
Gels 10 sec lbs/100ft2	3	3	Bit Information		Bentonite ppb		-2.33		-1.88								
Gels 10 min lbs/100ft2	4	4	Size in	8.5		Bentonite%	-0.26		-0.21								
Gels 30 min lbs/100ft2			Type	MA89PX		Drill Solids ppb	37.52		39.69								
API Filtrate cc	3.8	4.0	Number	4		Drill Solids%	4.12		4.36								
HTHP API			Depth in m	1790		Rheology											
HTHP Temp. C			RPM	600 RPM		53		55									
Cake API	1	1	WOB lb			300 RPM		37		33							
Cake HTHP			Nozzles	6 x 12		200 RPM		28		30							
% Water	89.5	89	Bit Hydraulic		100 RPM		19		20								
% Oil			TFA In2	0.6627		6 RPM		4		4							
% Solids	7.5	8	Nozzle velocity ft/sec	361.32		3 RPM		3		3							
% Corr. Solids	5.31	5.71	Pressure Drop	1123		Hydraulic Analysis											
% Glycol	3	3	Hydraulic HP	490		n Annulus		0.527									
Sand Content	1	0.6	IHP/eq in	8.62		k Annulus		6.489									
MBT ppb	4.50	5.25	Impact Force lbf	1344		System Hydraulic Horsepower		1659									
Chloride mg/l	40 000	42 000	Nozzle Diam. in	.919		ECD @ TD sg											
Cl hardness mg/l		400	Pressure Drop%	29.55		Velocity in Riser m/min											
Magnesium mg/l		73	Mud Property Specification														
Calcium mg/l	560	280	Weight	1.15 - 1.16 sg		Viscosity		6 pm 6 - 8		Filtrate							
Potassium mg/l	30000	30569															
CaCl2 mg/l			Recommendations														
NaCl mg/l	21 116	23 565	Upgraded shaker screens as conditions allowed. Started adding Circal 1000 and Circal Y at 4 sks each per stand from 1857m. Added Citric acid and Bicarb to reduce pH and ppt Alplex.														
MgCl2 mg/l			Downgraded shaker#2 to 4 x 120 (3 new screens) at the same time as dumping the header box due to losses over the shaker screens.														
KCl mg/l	57 201	58 286	Turned on desilter and desander to decrease the mud weight which had increased to 1.16 sg.														
pH	9.8	9.5	Blended a further 250 bbls of 1.14+ sg mud to aid with volume due to the losses at the shakers.														
Alk. Pm	0.65	0.5	Drilled to TD at 2156m and pumped 2 x 50 bbl hi-vis sweeps 1000 strokes apart to clean hole. There was a 10 - 20% increase in both large and fine cuttings coming over the shakers.														
Alk. Pf	0.12	0.25	Pumped slug and POOH.														
Alk. Mf	0.35	0.5	Remarks														
Hydroxyl mg/l			Conducted leak-off to 1.85 sg EMW. Drilled to TD at 2156m with F/checks at 2075m, 2140m. Circ BU, swept hole with 2 x 50 bbl high viscosity pills while working pipe. POOH to log.														
Carbonates mg/l	144	300															
Bicarbonates mg/l	134																
KCl %	5.5	5.5															
Alplex %	5	5															
BHI Rep.	Rep. Phone	Warehouse	Warehouse Phone	Daily Cost	Cum. Cost	Inventory Value											
S. Webster / A. Owen	9348 6953	Dampier / Portland		5 138.33	267 310.95	118 081.32											

TD.



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Geographie North-1				Bass Strait	Victoria	Australia

Solids Control Equipment

Equipment	Run Hours	Feed Rate m3/Hour	Deck Vol m3	Deck RT min	Stand Rate m3/Hour	Recvd Vol m3	Recvd RT min	Total m3
Sweco Desander 3 x 12" cones	3	6.00	18.00	1.25	834.00	2502.00	1.15	2520.00
Sweco Desilter 20 x 4" cones	5	12.00	36.00	1.33	828.00	4140.00	1.25	4200.00
Decasser								

Shakers

Equipment	Hours	Mesh	Equipment	Hours	Mesh
Thule VSM 100	18	Scalper 10 Mesh, 4 x 120	Thule VSM 100	18	Scalper 10 Mesh, 4 x 120
Thule VSM 100	18	Scalper 10 Mesh, 4 x 120	Thule VSM 100	18	Scalper 10 Mesh, 4 x 120

Volumes

Water	Chemicals	Previous Volume	2269	Total Active Volume	1241	Surface	Left in Hole
Brine	Weighting agents	Hole volume	631	Total volume	2051	Down hole	Dumped
Oil/Synthetic	From Plant	Active Volume	610	Volume change	-208	SCE	158
Mud	Other	Reserve Volumes	820			Behind Cag	Other

IADC Hours

Drilling	15.50	Survey	Coring	Wait on Cement	Circulating	0.75	Fishing
Reaming		Wait on weather	Tripping	6.75	Logging		
Rig Service		Running Casing	Testing	Total	24.00	Back Reaming	Other
							1.00



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				State	Victoria
				Country	Australia

Totals					
Previous Cost US\$	262 171.72	Total Inventory Value US\$	118 081.32	Total Weight Material MT	77.58
Daily Cost US\$	5 138.33	Total Chemical Deck Load MT	-114.79	Total Pit Weight MT	261.41
Cummulative Cost US\$	267 310.05	Max Potential MudWt upgr	1.41	Total Deck Load MT	376.20

Products and Services									
Products	Units	Initial Balance	Received	Released	Used	Unit Cost	Total cost	Closing Balance	Comment
ALPLEX	50 lb bag	0	0	0	0	73.01	.00	0	
AQUA-COL	200 liter drum	27	0	0	0	209.26	.00	27	
CALCIUM CHLORIDE 96%	25 kg bag	40	0	0	0	17.12	.00	40	
CAUSTIC SODA	25 kg bag	39	0	0	0	25.82	.00	39	
CHEK-LOSS	25 lb bag	62	0	0	0	42.27	.00	62	
ED-8	20 liter pail	18	0	0	0	34.45	.00	18	
MIL-BAR	25 kg bag	200	0	0	0	7.70	.00	200	
1" BAR	1 MT bag	20.5	0	0	0	162.78	.00	20.5	
-DRILL	20 liter pail	41	0	0	8	46.77	390.16	33	
NOXYGEN	5 gal pail	1	0	0	0	33.53	.00	1	
PENETREX	55 gal drum	0	0	0	0	736.52	.00	0	
COL-BARK	1 MT bag	1	0	0	0	353.82	1-061.96	1	
SAPP	25 kg bag	40	0	0	0	84.40	.00	40	
SODIUM ASE	25 kg bag	26	0	0	0	15.17	105.36	26	
SODIUM BICARBONATE	25 kg bag	35	0	0	14	13.81	193.34	21	
ALCOHER 120 P	25 kg bag	14	0	0	0	105.56	.00	14	
CIRCAL 1000	25 kg bag	120	0	0	40	18.15	726.00	80	
CIRCAL 50-16	25 kg bag	85	0	0	0	8.65	735.25	85	
CIRCAL Y	25 kg bag	120	0	0	38	21.09	801.42	82	
CITRIC ACID	25 kg bag	0	0	0	0	48.09	.00	0	
DRISPAC R	50 lb bag	71	0	0	-2	122.01	-244.02	73	
DRISPAC SI	50 lb bag	51	0	0	0	112.01	572.07	51	
FLOWZAN	25 kg bag	37	0	0	8	308.58	2 468.64	29	
KWIKSEAL C	40 lb bag	42	0	0	0	17.53	.00	42	
KWIKSEAL F	40 lb bag	42	0	0	-10	37.52	-375.20	52	
KWIKSEAL M	40 lb bag	33	0	0	0	17.52	.00	33	
MIL-GUAR	25 kg bag	56	0	0	0	70.47	.00	56	
THERMOSET W	25 kg bag	20	0	0	0	74.36	.00	20	
GLUTERALDEHYDE 25%	5 gal pail	34	0	0	0	74.36	.00	34	
THERMOSET F	25 kg bag	16	0	0	0	85.75	1371.96	16	
AQUA-COL B	200 liters Drum	23	0	0	0	937.66	.00	23	
1" BAR	1 MT bag	52.36	0	0	0	258.25	.00	52.36	
KOH	25 kg pail	9	0	0	0	36.81	.00	9	
MCD-XFER-GEOPRAPHIC-N	1 bag	0	0	0	0	35.77	.00	0	