

DRILLING MORNING REPORT # 8
Rockhopper-1

06 Dec 2009

 From: Michael Lanzer / Kevin Monkhouse
 To: Texas Richards

Rockhopper-1					
Date:	06 Dec 2009	Well Site Representative:	Michael Lanzer	OIM:	Brian Meechan
Report Number:	8	Night Representative:	Kevin Monkhouse	Drilling Company:	Maersk
Latitude (South):	39 ° 47 ' 34.18 "	Longitude (East):	145 ° 26 ' 21.46 "	Geologist:	

Well Data							
Country	Australia	MDBRT	966.0m	Cur. Hole Size	17.500in	AFE Cost	US\$27,409,709
Field	Rockhopper	TVDBRT	966.0m	Last Casing OD	13.375in	AFE No.	Rockhopper-1
Drill Co.	Maersk	Progress	0.0m	Shoe TVDBRT	961.0m	Daily Cost	US\$634,191
Rig	Kan Tan IV	Days from spud	6.02	Shoe MDBRT	961.0m	Cumul. Cost	US\$6,893,180
Wtr Dpth(MSL)	74.3m	Days on well	7.96	FIT/LOT:	/	Last LTI Date	01 Nov 2009
RT-ASL(MSL)	26.0m	Planned TD MD	3486.5m			Days Since Last LTI	35
RT-ML	100.3m	Planned TD TVDRT	3166.4m	Current Op @ 0600	Preparing to run BOP.		
Datum	GDA 94	Last BOP Test		Planned Op	Run BOP on riser. Make up slip joint and landing joint. Install C&K hoses and pressure test same. Make up MRT lines to slip joint and land BOP stack on well. Pressure test connector to 1000 psi. Lay out landing joint, install diverter and rig down riser handling equipment. RIH with test plug and test wellhead connector to 5000psi and LMRP connector to 3500 psi.		

Summary of Period 0000 to 2400 Hrs
Racked back cement stand and POOH with 18-3/4" RT. Laid out same. Laid out cement head. Laid out 17-1/2" BHA. Rigged up to run BOP stack. Made up riser double, skidded BOP to well centre and installed riser to LMRP. Attempted to lift BOP off carrier. Unable to release at H4 Connector. Trouble shot H4 Connector. BOP released from test stump. Installed guide lines and prepared BOP for running.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	0	1 Day	Held abandon drill	
Emergency Drill	0	32 Days	Full Emergency drill performed	
ER Exercises	0	4 Days		
Fire Drill	0	22 Days	Main deck - Fire in Control room	
Permit To Work	16	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	16	0 Days	Prejob safety meetings	
Safety Meeting	7	0 Days	Safety Meetings	
Safety Meeting	2	0 Days	General safety meetings	
STOP Card	48	0 Days	Number of STOP Cards submitted	

Operations For Period 0000 Hrs to 2400 Hrs on 06 Dec 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	G8	0000	0030	0.50	966.0m	Racked back cement head in mast. POOH with 18-3/8" WHRT.
P5	P	G15	0030	0100	0.50	966.0m	Laid out 18-3/4" WHRT assembly (ROV inspected 18-3/4" Wellhead / PGB and seabed).
P5	P	G15	0100	0300	2.00	966.0m	Laid out Halliburton cement head and racked back drillpipe stand in mast.
P4	P	G6	0300	0500	2.00	966.0m	Laid out 9-1/2" DC, NMHOC and 17-1/2" stabiliser from mast.
P5	P	G1	0500	0530	0.50	966.0m	Cleared excess equipment from drillfloor.
P6	P	G13	0530	0800	2.50	966.0m	Rigged up to run riser and BOPs.
P6	P	G13	0800	1030	2.50	966.0m	Made up 2 x 50ft riser lengths.
P6	P	G13	1030	1300	2.50	966.0m	Skidded BOP to moonpool and made up double riser section to LMRP.
P6	TP (SS)	G13	1300	2030	7.50	966.0m	Attempted to release BOP from Test Stump on carrier. Unable to release H4 connector from Test Stump. Troubleshot H4 connector while continuing to work at separating BOP from test stump on carrier. Confirmed the open/close displacement volumes correct.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P6	TP (SS)	G13	2030	2100	0.50	966.0m	Disconnected riser double from LMRP and attempted to release H4 connector by "rocking" the Test Stump with tuggers - no go. Pressured up below shear rams and test stump - H4 connector released and separated with 400 psi.
P6	P	G13	2100	2400	3.00	966.0m	Reconnected riser double to LMRP. Installed guide lines to BOP. Prepared umbilical lines and installed BOP beacon. Subsea engineer checked and functioned H4 connector.

Operations For Period 0000 Hrs to 0600 Hrs on 07 Dec 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P6	P	G13	0000	0100	1.00	966.0m	Prepared BOP on carrier. Secured yellow and blue pod umbilical hoses to BOP.
P6	TP (SS)	G13	0100	0600	5.00	966.0m	Leak observed on yellow pod umbilical hose between outer sheath and control hoses. Subsea Engineer removed hose connector block from yellow POD and investigated same. Hoses live at time of leak were tested. No leak found. Connector block reconnected to yellow POD and lines functioned - no leak.

Operations For Period Hrs to Hrs on
Phase Data to 2400hrs, 06 Dec 2009

Phase	Phase Hrs	Start On	Finish On	Cumul. Hrs	Cumul. Days	Max Depth
Mob/Demob(P1)	23.5	29 Nov 2009	30 Nov 2009	23.50	0.979	0.0m
Conductor Hole(P2)	33.5	30 Nov 2009	01 Dec 2009	57.00	2.375	158.0m
Conductor Casing(P3)	19	01 Dec 2009	02 Dec 2009	76.00	3.167	158.0m
Surface Hole(P4)	65.5	02 Dec 2009	06 Dec 2009	141.50	5.896	966.0m
Surface Casing(P5)	31	04 Dec 2009	06 Dec 2009	172.50	7.188	966.0m
BOPs/Risers(P6)	18.5	06 Dec 2009	06 Dec 2009	191.00	7.958	966.0m

WBM Data
Cost Today

Mud Type:	Hi-Vis PHB/Guar gum Sweeps	API FL:	Cl:	1300mg/l	Solids(%vol):	Viscosity	58sec/qt
Sample-From:	PIT 2	Filter-Cake:	K+C*1000:		H2O:	PV	12cp
Time:	2145	HTHP-FL:	Hard/Ca:			YP	36lb/100ft²
Weight:	8.80ppg	HTHP-cake:	MBT:	15	Oil(%):	Gels 10s	10
Temp:			PM:		Sand:	Gels 10m	16
Comment	Note: Costs are in AUD					pH:	9
			PF:		PHPA:	Fann 003	14
						Fann 006	16
						Fann 100	5
						Fann 200	40
						Fann 300	48
						Fann 600	60

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	22	0	348.0
Drill Water	m3	0	66	0	460.0
Pot Water	m3	15	25	0	254.0
Brine	m3	0	0	0	180.0
Cement class \G\	MT	0	0	0	158.5
Barite	MT	0	0	0	125.9
Bentonite	MT	0	0	0	33.0
BIOCIDE	can	0	0	0	8.0
Baradefoam-W300	cans	0	0	0	7.0
XANTHUM GUM	sxs	0	0	0	110.0
Barolift	box	0	0	0	16.0
Barofibre	sxs	0	0	0	40.0
Barofilm/Petrofree	sxs	0	0	0	40.0
Caustic Soda	can	0	0	0	11.0
Circal 60/16	Sacks	0	0	0	149.0
Circal Y	sxs	0	0	0	91.0
Citric Acid	sxs	0	0	0	32.0
Clayseal +	Drums	0	0	0	46.0
DEFOAMER	sxs	0	0	0	126.0
EZ-SPOT	Drum	0	0	0	5.0

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
EZ-MUD	pail	0	0	0	121.0	
Gel	sxs	0	0	0	123.0	
Milpac - LV	sxs	0	0	0	36.0	
N-DRILL HT +	sxs	0	0	0	105.0	
OBM	sxs	0	0	0	6.0	
OXYGON	can	0	0	0	33.0	
Pipe-Lax W	sxs	0	0	0	87.0	
POTASSIUM CHLORIDE	MT	0	0	0	33.0	
KOH	can	0	0	0	44.0	
SOBM	sxs	0	0	0	18.0	
Soda Ash	sxs	0	0	0	0.0	
Sodium Bicarbonate	sxs	0	0	0	38.0	
SALT FINE	pail	0	0	0	32.0	
Surface Water	sxs	0	0	0	40.0	
Foaming Agent	sxs	0	0	0	40.0	
Generic Mesh 24	Screens	0	0	0	12.0	
Techmesh 84	Screens	0	0	0	8.0	
Techmesh 110	Screens	0	0	0	24.0	
Techmesh 140	Screens	0	0	0	16.0	
Techmesh 175	Screens	0	0	0	7.0	
Lime	sxs	0	0	0	42.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	Continental Emsco	6.50	1.05	97	67	1900	335		30		252	40		336	50		420
2	Continental Emsco	6.50	1.05	97	66	1900	330		30		252	40		336	50		420
3	Continental Emsco	6.50	1.05	97	67	1900	335		30		252	40		336	50		420

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	156.80m / 156.80m	265bbl 15.9ppg G cement slurry pumped. Used: 1271sx of G cement - 160bbls of mix water. Yield 1.17 ft3/sx Ratio 5.20gal/sx
13.38	/	961.00m / 961.00m	460bbl of 11.5 ppg lead cement slurry. (Used: 387bbl SW mix fluid, 858 sx class G cement. Yield, 18.96 gal/sk - 3.01 ft3/sk) 66.8bbl of 15.8 ppg tail cement slurry (Used: 39.5bbl fresh water mix, 323sx class G cement. Yield, 5.12 gal/sk - 1.16 ft3/sk)

Personnel On Board	
Company	Pax
ADA	4
Maersk	36
GRN	5
OMS	21
Dril-Quip	2
Geoservices	4
Halliburton Cementers	3
Halliburton (Baroid)	2
Sperry Sun	2
Fugro ROV	6
PCS	3
Reach	1
Other Contractor	1

Personnel On Board

Total 90

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Jay Wan / Kosta Georgiou

Available	2705.1bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active	55.0bbl	Downhole					
Mixing	1477.0bbl	Surf+ Equip	0.0bbl				
Hole	983.1bbl	Dumped					
Slug		De-Gasser					
Reserve Kill		De-Sander De-Silter					
PAD MUD	190.0bbl	Centrifuge					
		Pumped Sweep/Displace					

Marine

Weather on 06 Dec 2009

Rig Support

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	10kn	282.0deg	1011.0mbar	13C°	1.0m	240.0deg	5s	1	134.0
Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments			
1.0m	0.9deg	1.4deg	315.0deg	0.00klb	1100.00klb	Calm			
Swell Height	Swell Dir.	Swell Period	Comments						
1.3m	240.0deg	5s							
								2	115.0
								3	190.0
								4	125.0
								5	170.0
								6	190.0
								7	160.0
								8	160.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Scimitar		19:10 - 5/12/09	In Port	Item	Unit	Used	Quantity
				Rig Fuel	M3		712
				Potable Water	M3		130
				Drill Water	M3		637
					t		0
				Barite	t		0
				Bentonite	t		0
				Brine	M3		45
				Mud	bbl		0
Bunkers commenced at 19:52 Completed: 21:16							
Far Fosna	19:15 - 4/12/09		Standby at Kan Tan IV	Item	Unit	Used	Quantity
				Rig Fuel	M3		591
				Pot Water	M3		304
				Drill Water	M3		600
				Bentonite	t		0
				Barite	t		0
					t		0
				Brine	M3		0
				Mud	bbl		0