



10 Jul 2009

**DRILLING MORNING REPORT # 22**  
**Basker 3 Workover**

Well Data							
Country	Australia	M. Depth	0.00m	Cur. Hole Size	AFE Cost	\$ 32256870	
Permit	VIC/L26	TVD	0.00m	Casing OD	AFE No.	DMGOD209D22	
Drill Co.	Diamond Offshore	Progress	0.0m	Shoe TVD	Daily Cost	\$ 1029117	
Rig	Ocean Patriot	Days from spud		FIT	Cum Cost	\$ 20953287	
Wtr Dpth(MSL)	152.90m	Days on well	21.60	LOT	Planned TD		
RT-ASL(MSL)	21.50m	Lat	38 ° 17 ' 58.972 " S	Long	148 ° 42 ' 24.873 " E	Datum	GDA94
RT-ML	174.40m	Current Op @ 0600	Scraping interval #7 from 3830 m to 3860 m.				
		Planned Op	Complete wellbore clean out. Pull out of hole with wellbore clean out BHA. Inspect and rerun wellbore clean out BHA.				

**Summary of Period 0000 to 2400 Hrs**

Completed perforation gun runs 2 and 3.  
Rigged down E line.  
Slipped and cut drill line.  
Performed top drive service and derrick inspection.  
Ran in hole wellbore clean out BHA.  
Made up extra completion assembly.  
Continued to run in hole wellbore clean out BHA to 3420 m.  
Performed scrape and polish on interval 178mm (7") liner intervals of concern.

**Operations For Period 0000 Hrs to 2400 Hrs on 10 Jul 2009**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CMPLT	P	PERF	0000	0130	1.50	0.0m	Pulled out of hole with perforating guns, run #2 from 3593 m to surface.
CMPLT	P	PERF	0130	0230	1.00	0.0m	Laid out perforating guns, run #2. All shots fired. Changed out perforating running tools and cabel head to re-new weak point.
CMPLT	P	PERF	0230	0330	1.00	0.0m	Made up 114 mm (4 1/2") HSD perforating guns with Power-jet Omega 4505 HMX charges for run #3. Trouble shot water in selective adapter from poor handling of lift sub on catwalk. Cleaned and re-checked - good.
CMPLT	P	PERF	0330	0830	5.00	0.0m	Note : Gun #1: 2m of 5 spf loaded, Gun #2: 1m of 5 spf loaded, Gun #3: 3m of 5 spf loaded. Gun #4: 8m of 5 spf loaded. Ran in hole perforating guns, run #3 to 3620 m. Correlated and perforated gun #1 from 3576 m to 3584 m. Good indication. Down hole losses increased to 5.6 m3/hr (35 bbls/hr). Correlated and perforated gun #2 from 3673 m to 3675 m. Good indication. Correlated and perforated gun #3 from 3626 m to 3627 m. Good indication. Down hole losses increased to 8 m3/hr (50 bbls/hr). Correlated and perforated gun #4 from 3604 m to 3607 m. Good indication. Down hole losses increased to and holding constant at 9.5 m3/hr (60 bbls/hr). Pulled out of hole with perforating guns, run #3 from 3576 m to surface.
CMPLT	P	PERF	0830	0930	1.00	0.0m	Laid out perforating guns, run #3. All shots fired. Rigged down E line.
CMPLT	P	SLIP	0930	1130	2.00	0.0m	Slipped and cut 40 m of drill line as per Diamond maintenance schedule.
CMPLT	P	TD	1130	1200	0.50	0.0m	Serviced top drive and performed post jarring derrick inspection as per Diamond maintenance schedule and procedure.
CMPLT	P	RCO	1200	1400	2.00	0.0m	Picked up and ran in hole wellbore cleanout BHA on 89 mm (3.5") drill pipe to 683m.
CMPLT	TU	SMRT	1400	1630	2.50	0.0m	Picked up completion packer assembly to drill floor. Made up tubing pup to packer and tubing tong over torqued connection by 949 Nm (700 ftlbs). Broke out pup, trouble shot tubing tong and repaired same. Made up tubing pup to packer and tubing tong again over torqued connection from 68Nm (58 ftlbs) to 407 Nm (300 ftlbs). Adjusted tong torque parameters and made up splice sub and pup to assembly. Tong still over torquing connections. Laid out assembly and trouble shot tubing tong.
CMPLT	P	RCO	1630	2000	3.50	0.0m	Note : Required to make up extra completion assembly due to extra production packer requirement following logging data analysis. Ran in hole wellbore cleanout BHA on 127 mm (5") drill pipe from 683 m to 2842 m.
CMPLT	U	SMRT	2000	2100	1.00	0.0m	Concurrent Operations : Tubing tong was repaired and tested on pups offline on rig floor. Picked up completion packer assembly to drill floor. Broke out nipple from packer assembly. Made up splice sub by hand. Galled connection between splice sub and VT



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CMPLT	P	RCO	2100	2230	1.50	0.0m	pup. Cleaned up connection and changed coupling. Made up completion packer (FT) assembly. Laid out completion assembly and rigged down tubing handling equipment.
CMPLT	P	RCO	2230	2400	1.50	0.0m	Ran in hole wellbore cleanout BHA from 2842 m to 3419 m. Made up top drive and broke circulation at 3.8 m3/min (24 bbls/min), 29 MPa (4,200 psi). Rotated string at 30 rpm with torque at 16 kNm (12 kft/lbs). Ran in hole to top of liner and stopped rotation. Ran in hole to 3428 m. Polished interval #1 from 3428 m to 3442 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 16 kNm (12 kft/lbs). Pumped at 2.4 m3/min (15.3 bbls/min), 29 MPa (4,200 psi). Ran in hole and spaced out to 3500 m. Scraped interval #2 from 3480 m to 3515 m and polished interval #3 from 3520 m to 3530 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 16 kNm (12 kft/lbs). Pumped at 2.4 m3/min (15.3 bbls/min), 29 MPa (4,200 psi).

### Operations For Period 0000 Hrs to 0600 Hrs on 11 Jul 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CMPLT	P	RCO	0000	0100	1.00	0.0m	Ran in hole and spaced out to 3560 m. Scraped interval #4 from 3540 m to 3570 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 23 kNm (17 kft/lbs). Pumped at 2.4 m3/min (15.3 bbls/min), 29 MPa (4,200 psi).
CMPLT	P	RCO	0100	0230	1.50	0.0m	Note : 00:30 hrs advised that filtration unit had filters packed off. Completed cleaning interval #4 before fluid ran low. Changed filters and built 48 m3 (300 bbls) brine. Dumped 60 m3 (380 bbls) brine returns in pit #4 and flushed pit clean.
CMPLT	P	RCO	0230	0330	1.00	0.0m	Ran in hole and spaced out to 3600 m. Polished interval #5 from 3600 m to 3625 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 27 kNm (20 kft/lbs). Pumped at 2.4 m3/min (15.3 bbls/min), 29 MPa (4,200 psi). Ran in hole and spaced out to 3670 m. Scraped interval #6 from 3650 m to 3687 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 16 kNm (12 kft/lbs). Pumped at 2.4 m3/min (15.3 bbls/min), 29 MPa (4,200 psi).
CMPLT	P	RCO	0330	0430	1.00	0.0m	Note : Brine ran out whilst scraping at 3687 m. Filtered brine from returns to pit #4 whilst make new volume brine in pit #1. Filters packed off, changed filters. Lined up and filtered new brine from pit #1 into active.
CMPLT	P	RCO	0430	0600	1.50	0.0m	Continued to scrape interval #6 from 3687 m to 3715 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 27 kNm (20 kft/lbs). Pumped at 2.4 m3/min (15.3 bbls/min), 29 MPa (4,200 psi). Dropped pump rate to 1 m3/min (6 bbls/min), 6.2 MPa (900 psi), ran in hole and spaced out to 3850 m. Scraped interval #7 from 3830 m to 3860 m. Reciprocated pipe 3 times over interval. Rotated at 60 rpm with torque at 27 kNm (20 kft/lbs). Pumped at 1 m3/min (6 bbls/min), 6.2 MPa (900 psi).

### Phase Data to 2400hrs, 10 Jul 2009

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
PRODUCTION SECTION(PROD)	209.00	19 Jun 2009	29 Jun 2009	209.00	8.71	0.0m
COMPLETION(CMPLT)	276.00	27 Jun 2009	10 Jul 2009	485.00	20.21	0.0m

### WBM Data

**Cost Today \$ 9525**

Mud Type:	API FL:	Cl:	25000mg/l	Solids(%vol):	Viscosity
Sample-From:	Filter-Cake:	K+C*1000:		H2O:	PV
Time:	HTHP-FL:	Hard/Ca:		Oil(%):	YP
Weight:	1.03sg	HTHP-cake:		Sand:	Gels 10s
Temp:	7C°	PM:		pH:	Gels 10m
		PF:		PHPA:	Fann 003
Comment	Total cost:\$ 125,475.78 1.14 sg brine - Cl 105,000				Fann 006
					Fann 100
					Fann 200
					Fann 300
					Fann 600

### BHA # 1

Weight(Wet)	Length	682m	Torque(max)	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	String		Torque(Off.Btm)	D.C. (2) Ann Velocity
	Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity
	Slack-Off			D.P. Ann Velocity
BHA Run Description	Wellbore clean out assembly.			
BHA Run Comment				



Equipment	Length	OD	ID	Serial #	Comment
Window Mill	0.44m	154mm	38mm		
Bit Sub	0.58m	121mm	57mm		
Lower Watermelon Mill	1.42m	154mm	57mm		
Drill Collar	17.18m	121mm	57mm		
Casing Scraper	3.15m	163mm	25mm		
Magnet	3.56m	121mm	51mm		
PUP Joint	3.13m	121mm	57mm		
Drill Pipe	623.05m	121mm	57mm		
X/Over	0.61m	165mm	68mm		4-1/2" IF Box x 3-1/2" IF Pin
String Stabiliser	1.33m	216mm	95mm		
Casing Scraper	3.28m	234mm	83mm		
PUP Joint	1.80m	165mm	97mm		Drill Pipe Handling Pup
Shear Type Circ Sub	2.36m	187mm	57mm		
PUP Joint	1.81m	165mm	73mm		Drill Pipe Handling Pup
Filter Sub	6.45m	210mm	68mm		
Pump-out Sub	0.66m	162mm	41mm		
PUP Joint	4.47m	165mm	73mm		Drill Pipe Handling Pup
Magnet	3.58m	165mm	76mm		
Magnet	3.58m	165mm	76mm		
PUP Joint	1.19m	162mm	95mm		Drill Pipe Handling Pup

### Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Fuel	M3	150	13	0	599.2
Potable Water	M3	0	23	0	271.0
Drill Water	M3	32	106	0	463.0
Cement	MT	0	0	0	49.0

### Pumps

Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (mm)	MW (sg)	Eff (%)	SPM (SPM)	SPP (kPa)	Flow (lpm)	Depth (m)	SPM1 (SPM)	SPP1 (kPa)	Flow1 (lpm)	SPM2 (SPM)	SPP2 (kPa)	Flow2 (lpm)	SPM3 (SPM)	SPP3 (kPa)	Flow3 (lpm)
1	NATIONAL 12P - 160	152.40		97													
2	NATIONAL 12P - 160	152.40		97													
3	NATIONAL 12P - 160	152.40		97													

### Personnel On Board

Job Title	Personnel	Company	Pax
Senior Drilling Supervisor	Ivan Parkhurst	Anzon Australia Pty Limited	1
Drilling Supervisor	Philip Burr	Anzon Australia Pty Limited	1
Logistics Coordinator	Lindsay Taylor	Anzon Australia Pty Limited	1
HSE	Gordon Drew	Anzon Australia Pty Limited	1
Subsea Supervision	AGR	Anzon Australia 3rd Party	1
OIM	Rod Dotson	Diamond Offshore	1
Mudlogging	BHI	Anzon Australia 3rd Party	2
Drilling Fluids	MI	Anzon Australia 3rd Party	2
Wellhead	Cameron	Anzon Australia 3rd Party	2
ROV	Subsea 7	Anzon Australia 3rd Party	3
Filtration	Scottech	Anzon Australia 3rd Party	2
Cementing	Dowell	Anzon Australia 3rd Party	2
Rig Crew	Drilling	Diamond Offshore 3rd Party	47
Other		Diamond Offshore 3rd Party	1
Catering	ESS	Diamond Offshore 3rd Party	8
Completion Supervision	AWT	Anzon Australia 3rd Party	3
TBG	BJ	Anzon Australia 3rd Party	4
E Line	Schlumberger	Anzon Australia 3rd Party	3



Personnel On Board			
Completions	Baker	Anzon Australia 3rd Party	6
Well Clean-up	Baker	Anzon Australia 3rd Party	1
Total			92

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
LTI		135		
Abandon Drill	05 Jul 2009	5 Days		Full muster at 10:50 hrs
Fire Drill	05 Jul 2009	5 Days		Simulated in roustabout locker. Full muster at 10:42 hrs
First Aid Case	09 Jul 2009	1 Day		While working on the rig floor rigging up wireline IP slipped on a thin layer of brine and water from previous operations of pulling tubing out of the hole. IP struck knee on the deck. Minor bruise to right knee. Treated with icepack and non-prescription anti-inflammitories.
JSA	10 Jul 2009	0 Days		Drill crew - 8 Crane crew - 19 Mechanic - 3 Welder - 0 Sub Sea - 0 Marine - 0 Pump room - 1 Electrician - 3
Lost Time Incident	15 Jun 2009	25 Days	136 days	LTI = 136 days since start of rig assignment on 25 Feb 2009.
Permit To Work	10 Jul 2009	0 Days		Hot - 7 Cold - 15
Pre-Tour Meetings	10 Jul 2009	0 Days		0545 hrs 1145 hrs 1745 hrs 2345 hrs
STOP Card	10 Jul 2009	0 Days		Safe - 54 Unsafe - 17
Weekly Safety Meeting	28 Jun 2009	12 Days		13:00 hrs 19:00 hrs 00:30 hrs

Rig Data				
Company Name	Rig Name	Max Deck Load	VDL @ Midnight	Rig Heading
Diamond Offshore	Ocean Patriot	mt	1998mt	249.0deg

Shakers, Volumes and Losses Data					Engineer : Graeme Garrick		
Equip.	Descr.	Mesh Size	Available	414.35m <sup>3</sup>	Losses	2277.39m <sup>3</sup>	Comments
			Active		Downhole	2212.27m <sup>3</sup>	Downhole losses at approximately 9.5 m3/hr (60 bbls/hr). Continued to filter all 8.6 ppg brine in pits. Kept hole full with filtered brine. Recieved 216 bbls, 9.4 ppg brine from Emerald. Dumped LCM and mixed hi-vis pill. Added oxygen scavenger to filtered brine. Dumped initial 346 bbls brine from shakers to make room for returns.
			Mixing		Surf+ Equip	0.00m <sup>3</sup>	
			Hole		Dumped	65.12m <sup>3</sup>	
			Slug		De-Gasser		
			Reserve	414.35m <sup>3</sup>	De-Sander		
			Kill		De-Silter Centrifuge		

Marine



Weather on 10 Jul 2009								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (mt)
10nm	25kn	45.0deg	1023.0mbar	14C°	1m	45.0deg	2s	1	108.0
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments			
0.3deg	0.2deg	0m	2m	45.0deg	11s				
Rig Dir.	Ris. Tension	VDL	Comments						
249.0deg	174mt	1998mt							
								8	112.0

Helicopter Movement				
Flight #	Helicopter Type	Arr/Dep. Time	Pax In/Out	Comment
XC	S61	0942 / 0956	2 / 4	

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
<b>Lewek Emerald</b>	21:55 hrs, 10-07-09		Enroute to Geelong	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	M3	349
				Potable Water	M3	99
				Drill Water	M3	0
				Barite	MT	
				Gel	MT	
				Cement	MT	0
Brine	M3	43				
<b>Lewek Swift</b>		17:15 hrs 03-07-09	Off hire. Undergoing HRP repairs.	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	M3	644.7
				Potable Water	M3	305
				Drill Water	M3	255
				Barite	MT	
				Gel	MT	
				Cement	MT	40.6
Brine	M3	206.67				
<b>Pacific Protector</b>		21:50 hrs, 10-07-09	Arrived for stand by at rig.	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Diesel	M3	694
				Potable Water	M3	368
				Drill Water	M3	70