



08 Jul 2009

**DRILLING MORNING REPORT # 20**  
**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	\$ 1027963	
Rig	Ocean Patriot	Days from spud		FIT	Cum Cost	\$ 18907036	
Wtr Dpth(MSL)	152.90m	Days on well	19.60	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	Running in hole with E line GR/USIT logging tools.				
		Planned Op	Perform E line GR/USIT logging run. Continue with E line to re-perforate well.				

**Summary of Period 0000 to 2400 Hrs**

Pulled out of hole fishing BHA from 3597 m to surface.  
 Overshot basket grapple had junk damage on outside of grapple preventing it from correctly engaging fish.  
 Ran in hole 146 mm (5.75") SH 150 overshot, c/w 114 mm (4.5") basket grapple fishing BHA to 3605 m.  
 Performed fishing operation on 178 mm (7") production packer and lower completion at 3605 m drill pipe depth.  
 Pulled out of hole with fishing BHA, 178 mm (7") production packer from 3605 m to 1619 m.

**Operations For Period 0000 Hrs to 2400 Hrs on 08 Jul 2009**

Phse	ClS (RC)	Op	From	To	Hrs	Depth	Activity Description
CMPLT	TP	FISH	0000	0430	4.50	0.0m	Pulled out of hole fishing BHA on 127 mm (5") drill pipe from 3597 m to 698.16 m. Flow checked hole at 698 m - observed 1 m3/hr (6 bbl/hr) down hole loss rate.
CMPLT	TP	FISH	0430	0530	1.00	0.0m	Continued to pull out of hole fishing BHA on 89 mm (3.5") drill pipe to 65.16 m.
CMPLT	TP	FISH	0530	0630	1.00	0.0m	Pulled out of hole fishing BHA from 65.16 m to surface. Laid out bumper sub and overshot.
CMPLT	TP	FISH	0630	0800	1.50	0.0m	Removed overshot grapple. Grapple difficult to remove due to junk on the outside. Overshot basket grapple had junk mark on outside of grapple indicating possibility of spiral grapple lodging between outer grapple and bowl preventing grapple from correctly engaging fish. The lower 100 mm (4") of the grapple's inner teeth were flattened for a 20 degree section of the circumference, indicating fish not centralized in grapple. Picked up and ran in hole tubing spear BHA to 200m consisting of 89 mm (3.5") spear, c/w 100 mm (3.947") grapple, 0.53 m spear extension, 152 mm (6") spear stop assy, 121 mm (4.75") bumper sub, 121 mm (4.75") TM fishing jar, 6 x 121 mm (4.75") drill collars and 121 mm (4.75") accelerator.
CMPLT	TP	FISH	0800	1200	4.00	0.0m	Following reassessment of junk damage to basket grapple and available options plan revised to run a modified 146 mm (5.75") SH 150 overshot, c/w 114 mm (4.5") basket grapple with mill control. Made modification to overshot guide to restrict spiral grapple junk from entering overshot and installed tell tails inside overshot bowl extension.  Concurrent Operation: Pulled out of hole with tubing spear BHA from 200m to surface. Laid out spear, extension and spear stop. Picked up bumper sub, 146 mm (5.75") SH 150 overshot, c/w 114 mm (4.5") basket grapple and ran in hole with fishing BHA to 65.17 m. Fishing BHA consisted of 146 mm (5.75") SH 150 overshot, c/w 114 mm (4.5") basket grapple with mill control, 121 mm (4.75") bumper sub, 121 mm (4.75") TM fishing jar, 6 x 121 mm (4.75") drill collars and 121 mm (4.75") accelerator.
CMPLT	TP	FISH	1200	1300	1.00	0.0m	Ran in hole fishing BHA on 89 mm (3.5") drill pipe from 65.17 m to 698.16 m.
CMPLT	TP	FISH	1300	1730	4.50	0.0m	Ran in hole fishing BHA on 127 mm (5") drill pipe from 698.16 m to 3597 m. Compensated through 244 mm (9.625") x 178 mm (7") liner lap at 3425 m - passed without hang-up. Laid out 1 x joint of drill pipe to space out for tagging fish.
CMPLT	TP	FISH	1730	2030	3.00	0.0m	Took string weights - 136 MT (300 klbs) rotating string weight, 159 MT (350 klbs) up weight, 125 MT (275 klbs) down weight. Pumped at 0.65 m3/min (4 bpm), 2.1 MPa (300 psi) Lowered string from 3597 m to engage top of fish at 3607 m drillers drill pipe depth measurement. Pressure increased to 6.2 MPa (900 psi). Continued to slack off 2.3 MT (5 klbs) weight on fish. Picked up string to 166 MT (365 klbs) and pressure was constant at 6.2 MPa (900 psi) indicating on fish. Slacked off 11 MT (25 klbs) weight on fish to 3607 m hang up depth. Picked up string to 168 MT (370 klbs) with pressure still at 6.2 MPa (900 psi). Activated jar and pulled to 205 MT (450 klbs). Shut down pump. Slacked off 9 MT (20 klbs) weight on fish. Picked up string to 3605 m and encountered overpull to 186 MT (410 klbs). Slacked off to string weight and pumped at 0.78 M3/min (4.9 bpm), 8.3 MPa (1200 psi). Picked up string to 186 MT (410 klbs). Fish freed with weight dropping back to 161 MT (355 klbs) and pressure at 10.4 MPa (1500 psi). Continued to pick up string to 3595 m and made connection. Picked up string from 3595



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CMPLT	TP	FISH	2030	2400	3.50	0.0m	<p>m to 3532 m with 161 MT (355 klbs). Observed sections of high drag to 200 MT (440 klbs). Pressure remained constant at 9.7 MPa (1400 psi). String stuck at 3532 m inside 43 kg/m (29 lb/ft) casing section from 3535 m to 3510 m. Picked up string to 200 MT (440 klbs) and slack off to 104 MT (230 klbs). Worked bumper sub (3 times) without pump with string weights 163 MT (360) up and 104 MT (230) down. String failed to go down. Picked up string to 181 MT (400 klbs) and activated jar. Picked up string to 204 MT (450 klbs). Pipe freed to 172 MT (380 klbs) string weight. Started pumping with pressure at 9.7 MPa (1400 psi). Continued to pull out of hole with high drag to 3507m where observed drop in drag from 179 MT (395 klbs) to 150 MT (330 klbs). Pressure remained at 9 MPa (1300psi).</p> <p>Continued to pull out of hole to 3429m (top of 244mm (9.625") x 178 mm (7") liner lap at 3525m) where string stuck. Pressure remained at 9 MPa (1300psi).</p> <p>Picked up string to 204 MT (450 klbs) and slack off to 113 MT (250 klbs). Picked up string to 204 MT (450 klbs) and activated jar and slacked off to 100 MT (220 klbs) three times without progress. Picked up string to 245 MT (540 klbs) for 3 mins. String weight dropped to 181 MT (400 klbs). Picked up string from 3429 m to 3423 m with 179 MT (395 klbs) drag. At 3423 m drag dropped to 150 MT (330 klbs). Pumped on string at 0.65 m3/min (4 bpm) giving 2.9 MPa (420 psi) pressure. Continued to pull out of hole from 3404 m to 3375 m and observed 186 MT (410 klb) weight spike at 3400 m indicating tail pipe hanging up in liner lap.</p> <p>Flow checked hole - observed 9.5 m3/hr (60 bbl/hr) down hole loss rate. Pulled out of hole with fishing BHA, 178 mm (7") production packer and lower completion on 127 mm (5") drill pipe from 3375 m to 1619 m.</p>

### Operations For Period 0000 Hrs to 0600 Hrs on 09 Jul 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CMPLT	TP	FISH	0000	0130	1.50	0.0m	Continued to pull out of hole with fishing BHA, 178 mm (7") production packer and lower completion on 127 mm (5") drill pipe from 1619 m to 697.15. Flow checked hole at 695 m - observed 5.7 m3/hr (36 bbl/hr) down hole loss rate.
CMPLT	TP	FISH	0130	0230	1.00	0.0m	Continued to pull out of hole with fishing BHA, 178 mm (7") production packer and lower completion on 89 mm (3.5") drill pipe from 697.15 m to 64.16 m.
CMPLT	TP	FISH	0230	0330	1.00	0.0m	Pulled out of hole with fishing BHA, 178 mm (7") production packer and lower completion from 64.16 m to surface. Overshot grapple had held 178 mm (7") production packer and lower completion fish. Broke out and laid out bumper sub and overshot.
CMPLT	P	CMPL	0330	0530	2.00	0.0m	Broke out and laid out 178 mm (7") production packer and lower completion components from 32 m to surface. Rigged down tubing handling equipment.
CMPLT	P	COPS	0530	0600	0.50	0.0m	Rigged up E line with GR/USIT logging tools.

### Phase Data to 2400hrs, 08 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)	228.00	27 Jun 2009	08 Jul 2009	437.00	18.21	0.0m

### WBM Data

**Cost Today \$ 9056**

Mud Type:	API FL:	Cl:	26000mg/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:\$ 91,435.60 1.14 sg brine - Cl 105,000				Fann 006
					Fann 100
					Fann 200
					Fann 300
					Fann 600

### Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Fuel	M3	0	16.2	0	470.8
Potable Water	M3	0	23	9	313.0
Drill Water	M3	0	141	127	515.0
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
Fishing	Smith	Anzon Australia 3rd Party	1
Rig Crew	Drilling	Diamond Offshore 3rd Party	46
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	6
Completions	Baker	Anzon Australia 3rd Party	4
Well Clean-up	Baker	Anzon Australia 3rd Party	1
<b>Total</b>			<b>93</b>

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
LTI		134		
Abandon Drill	05 Jul 2009	3 Days		Full muster at 10:50 hrs
Fire Drill	05 Jul 2009	3 Days		Simulated in roustabout locker. Full muster at 10:42 hrs
First Aid Case	15 Jun 2009	23 Days		IP came out of freezer and reached to shut door as another person opened the outside accommodation door catching the IP right hand between two doors. Minor first aid.
JSA	08 Jul 2009	0 Days		Drill crew - 10 Crane crew - 16 Mechanic - 2 Welder - 0 Sub Sea - 0 Marine - 0 Pump room - 3 Electrician - 0
Lost Time Incident	15 Jun 2009	23 Days	134 days	LTI = 134 days since start of rig assignment on 25 Feb 2009.
Permit To Work	08 Jul 2009	0 Days		Hot - 4 Cold - 9
Pre-Tour Meetings	08 Jul 2009	0 Days		0545 hrs 1145 hrs 1745 hrs 2345 hrs
STOP Card	08 Jul 2009	0 Days		Safe - 81 Unsafe - 28



HSE Summary					
Events	Date of last	Days Since	Descr.	Remarks	
Weekly Safety Meeting	28 Jun 2009	10 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	1871mt	249.0deg	

Shakers, Volumes and Losses Data						Engineer : Graeme Garrick	
Equip.	Descr.	Mesh Size	Available	400.68m <sup>3</sup>	Losses	124.97m <sup>3</sup>	Comments
			Active		Downhole	86.50m <sup>3</sup>	Continued to mix and filter 8.6 ppg brine. Downhole losses at approximately 0.8 M3/hr (5 bbls/hr). Received 225 bbls 9.4 ppg brine from Emerald. Began losing 60 bbls/hr once packer pulled to top of liner.
			Mixing		Surf+ Equip	0.00m <sup>3</sup>	
			Hole		Dumped	38.47m <sup>3</sup>	
			Slug		De-Gasser		
			Reserve	400.68m <sup>3</sup>	De-Sander		
			Kill		De-Silter		
					Centrifuge		

Marine										
Weather on 08 Jul 2009							Rig Support			
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (mt)	
10nm	20kn	40.0deg	1030.0mbar	14C°	1m	40.0deg	3s	1	103.0	
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	106.0	
0.5deg	0.3deg	0m	1m	225.0deg	10s			3	115.0	
Rig Dir.	Ris. Tension	VDL	Comments				4	105.0	5	119.0
249.0deg	158mt	1871mt					6	116.0	7	116.0
							8	112.0		

Helicopter Movement				
Flight #	Helicopter Type	Arr/Dep. Time	Pax In/Out	Comment
XC	S61	0956 / 10.04	0 / 0	Freight: Halliburton squeeze tools and packers.

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Lewek Emerald	07:55 hrs, 06-07-09		On standby at location	Item	Unit	Quantity
				Fuel	M3	531
				Potable Water	M3	109
				Drill Water	M3	0
				Barite	MT	
				Gel	MT	
				Cement	MT	0
				Brine	M3	178.7
Lewek Swift		17:15 hrs 03-07-09	Off hire in Eden. Damage assessment ongoing.	Item	Unit	Quantity
				Fuel	M3	644.7
				Potable Water	M3	305
				Drill Water	M3	255
				Barite	MT	
				Gel	MT	
				Cement	MT	40.6
				Brine	M3	206.67
Pacific Protector		15:40 hrs, 07-07-09	Enroute to Geelong	Item	Unit	Quantity
				Diesel	M3	497
				Potable Water	M3	276