

**Megascolides-2**

<b>Date :</b>	27 Jan 2007	<b>Well Site Manager :</b>	Bruce Pilat	<b>Rig Manager :</b>	Cesar Miaco
<b>Report Number</b>	30	<b>Drilling Supervisor :</b>	Bruce Pilat / Brian Assels	<b>Drilling Company :</b>	Century Drilling Ltd
<b>Easting</b>	403212	<b>Northing</b>	5767583	<b>Geologist :</b>	Dave Horner

**Well Details**

Country:	Australia	Current Hole Size:	8.500in	Casing O.D.:	9.625in	Planned TD:	2170m
Field:	Megascolides	Measured Depth:	2018m	Casing MD:	507m	Last BOP Test:	10 Jan 2007
Rig:	Century 11	True Vertical Depth:	2015m	Casing TVD:	507m	FIT/LOT:	20.00ppg /
RT - AMSL:	156.20m	24 Hr Progress:	41m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	23.42	Liner MD:		LTI Free Days:	248
Datum:	WGS 84	Days On Well:	29.33	Liner TVD:			

Current Ops @ 0600: Ream tight hole at 1650m. Con't RIH.

Planned Operations: Drill 8-1/2" hole to TD.

**Summary of Period 0000 to 2400 Hrs**

Drill 8-1/2" hole f/ 1977m to 2018m. Circ sample, drop survey, pump slug and POH. LO bit #5 and recover survey. MU Bit #6 and RIH.

**Well Costs - AFE Number:**

Original AFE:	\$ 2,839,256	Orig & Supp AFE:	\$ 2,839,256	Daily Cost:	\$ 66,285	Cum. Cost:	\$ 2,260,694
Projected Cost:	\$ 3,139,256						

**HSE Summary**

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening ( 2 )	27 Jan 2007	0 Days	Personnel Blow into Alcoholiser
Pre-Tour Meetings ( 2 )	27 Jan 2007	0 Days	Greasing crown sheaves & Tripping: hand and foot placement

**Operations For Period 0000 Hrs to 2400 Hrs on 27 Jan 2007**

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	DA	0000	0800	8.00	2002m	Drill 8-1/2" hole f/ 1977m to 2002 m
PH1	P	RS	0800	0830	0.50	2002m	Rig service
PH1	P	DA	0830	1400	5.50	2018m	Drill 8-1/2" hole f/- 2002m to 2018 m
PH1	P	TO	1400	1430	0.50	2018m	Slug pipe, drop survey, rack kelly
PH1	P	TO	1430	2100	6.50	2018m	P.O.H for bit change ( flow check @ regular intervals ). Observe steady, slight flow during trip out - thermal effect.
PH1	P	HBHA	2100	2230	1.50	2018m	Recover Hofco survey, break out bit #5 and gauge stabilizers. Clean work floor. MU RR PDC Bit #6.
PH1	P	HBHA	2230	2400	1.50	2018m	RIH RR Bit #6 on BHA.

**Operations For Period 0000 Hrs to 0600 Hrs on 28 Jan 2007**

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	TI	0000	0030	0.50	2018m	RIH with RR Bit #6 to casing shoe.
PH1	P	SC	0030	0130	1.00	2018m	Pick up kelly, fill pipe. Slip drilling line.
PH1	P	TI	0130	0430	3.00	2018m	Con't RIH, filling pipe at 1000 m and 1500 m.
PH1	P	TIT	0430	0500	0.50	2018m	Work tight hole at 1650m. Fire jars once and came free. PU kelly and ream tight spot.
PH1	P	TI	0500	0600	1.00	2018m	Con't RIH.

**WBM Data**

Daily Chemical Costs: \$ 1226		Cost To Date: \$ 51770			Engineer : Peter N Aronetz	
Mud Type: KCI-PHPA-POLYMER	Flowline Temp: 59C°	Cl: 10.50x1000 mg/l	Low Gravity Solids: 6.0%	Gels 10s	4	
Sample From: Past Shaker	Nitrates: 0mg/l	Hard/Ca: 140mg/l	High Gravity Solids: 0.0%	Gels 10m	5	
Time: 14:00	Sulphites: 80mg/l	MBT: 5	Solids (corrected): 6.0%	Fann 003	4	
Weight: 9.25ppg	API FL: 5.6cm³/30m	PM: 0.6	H2O: 94.0%	Fann 006	5	
ECD TD: 9.68ppg	API Cake: 1/32nd"	PF: 0.18	Oil: 0.0%	Fann 100	23	
ECD Shoe:	PV 19cp	MF: 1.2	Sand: 0.25% %	Fann 200	34	
Viscosity 56sec/qt	YP 23lb/100ft²	pH: 10.5	Barite: 0	Fann 300	42	
KCl Equiv: 1.7%	CaCO3 Added: 32.0ppb	PHPA Added: 2.11ppb		Fann 600	61	

**Comment:** Recycling fluid from local sump not successful (high solids content).  
 Make up Polymer pre-mix with lease water.  
 Running de-sander and de-silter to maintain fluid density below 9.3ppg.

**Shakers, Volumes and Losses Data**

Available	998.0bbl	Losses	74.0bbl	Equip.	Descr.	Mesh Size	Hours
Active	485.0bbl	Downhole	2.0bbl	De-Gaser 1	Rig		0
Hole	477.0bbl	Shakers & Equip.	28.0bbl	De-Sander 1	Pioneer	2 Cones	14
Slug		Dumped	10.0bbl	De-Silter 1	Pioneer	10 Cones	14
Reserve	36.0bbl	Centrifuges		Shaker 1	DFE	2x175, 1x140	15
		De-Sander	18.0bbl	Shaker 2	DFE	2x175, 1x140	15
		De-Silter	16.0bbl				
Built	45.0bbl						

**Comment:** Recycling fluid from local sump not successful (high solids content).  
 Make up Polymer pre-mix with lease water.  
 Running de-sander and de-silter to maintain fluid density below 9.3ppg.  
 Tank levels recorded prior to running back in the hole.  
  
 Yesterday's waste-water transfer to sump @ M-1 site confirmed as 268m³ or 1685bbbls.

**Bit Data**

Bit # 5				Wear	I	O1	D	L	B	G	O2	R
				2	3	WT	S	3	I	NO	TQ	
Size ("):	8.50	IADC#	437	<b>Nozzles</b>		<b>Drilled over last 24 hrs</b>			<b>Calculated over Bit Run</b>			
Mfr:	Security DBS	WOB(avg)	30.00klb	2 x 14(/32nd") 1 x 13(/32nd")		Progress	41m	Cum. Progress		208.0m		
Type:	Rock	RPM(avg)	60			On Bottom Hrs	12.00	Cum. On Btm Hrs		64.00		
Serial No.:	10850552	RPM (DH)(avg)	60			IADC Drill Hrs	14.00	Cum IADC Drill Hrs		74.00		
Bit Model	DBXS12DS	F.Rate	450gpm			Total Revs	34500	Cum Total Revs		241300		
Depth In	1810m	SPP	1700psi			OB-ROP(avg)	3.42m/hr	Cum. OB-ROP(avg)		3.25m/hr		
Depth Out	2018m	TFA	0.4303	HSI	4.24							

**BHA Data**

BHA # 4							
Weight(Wet)	49.00klb	Length	245m	Torque(max)	150ft-lbs	D.C. (1) Ann Velocity	332fpm
Wt Below Jar(Wet)	35.00klb	String	170.00klb	Torque(Off.Btm)	60ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	175.00klb	Torque(On.Btm)	100ft-lbs	H.W.D.P. Ann Velocity	212fpm
		Slack-Off	160.00klb	Jar Hours	421	D.P. Ann Velocity	212fpm

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.23m	8.50in		10850552		
Near Bit Stab	1 x 1.61m	8.50in	2.94in	S6527	309.5	
Pony DC	1 x 3.06m	6.25in	2.88in	6510-3		
String Stabiliser	1 x 1.44m	8.50in	2.81in	6527	309.5	
NMDC	1 x 9.32m	6.75in	2.81in	H362	309.5	
Drill Collar	1 x 9.23m	6.50in	3.00in	E 436		
String Stabiliser	1 x 1.48m	8.50in	2.81in	S 65	309.5	
Drill Collar	14 x 9.02m	6.25in	3.00in			
Drilling Jars	1 x 9.58m	6.25in	3.00in		421	
Drill Collar	3 x 9.01m	6.25in	3.00in			
HWDP	6 x 9.35m	4.50in	2.94in			
<b>Total Length:</b>	<b>245.36m</b>					

**Survey**

MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (deg)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
1704.00	3.00	23.00	1701.30	73.75	0.78	73.75	-32.42	Hofco single shot
1812.00	2.25	44.00	1809.19	77.87	0.34	77.87	-29.84	Hofco single shot
1915.00	3.75	72.00	1912.05	80.37	0.60	80.37	-25.23	Totco single shot
2009.00	6.75	55.00	2005.65	84.49	1.07	84.49	-17.78	Totco single shot

**Summary**

Company	Pax On
Karooon Gas Ltd	4
Century Drilling Ltd	22
RMN Drilling Fluids	1
BHI	2
Eurest	3
<b>Total on Rig</b>	<b>32</b>

**Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
AMC Biocide G	25L can	0	0	0	19.0
AMC Defoamer	25L can	0	1	0	16.0
AMC PAC-R	25kg sack	0	0	0	55.0
AMC PHPA	25kg sack	0	2	0	31.0
AUS-BEN	25kg sack	0	0	0	0.0
AUS-DEX	25kg sack	0	0	0	96.0
AUS-GEL	25kg sack	0	0	0	251.0
Baryte	25kg sack	0	0	0	456.0
CaCl	25kg sack	0	0	0	0.0
Caustic Soda	25kg pail	0	1	0	10.0
Citric Acid	25kg sack	0	0	0	38.0
Cement - Class A	40kg sack	0	0	0	0.0
Kwik-seal C	40lb sack	0	0	0	32.0
Kwik-seal F	40lb sack	0	0	0	32.0
Kwik-seal M	40lb sack	0	0	0	32.0
Lime	20kg sack	0	0	0	11.0
KCl	25kg sack	0	0	0	216.0
Rod-free 205L	205L drum	0	0	0	1.0
Rod-free 25L	25L can	0	0	0	0.0
NaCl	25kg sack	0	0	0	0.0
SAPP	25kg sack	0	0	0	0.0
Soda Ash	25kg sack	0	0	0	22.0
Sodium Sulfite	25kg sack	0	2	0	23.0
Xanthan Gum	25kg sack	0	1	0	29.0
Xtra-sweep	12lb box	0	0	0	8.0
Diesel fuel	lt	0	4400	0	11,800.0
Calcium Carbonate 40µ	25 kg sacks	0	30	0	642.0

**Pumps**

Pump Data - Last 24 Hrs								Slow Pump Data					
No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	Ck. Line (psi)	SPM (SPM)	SPP (psi)	Flow (gpm)	
1	G.D. PZ-7	5.50		97	107	1700	215	2002		1. 2.	70 100	280 480	147 280
2	G.D PZ-7	5.50		97	107	1700	215	2002		1. 2.	70 100	280 440	147 280
3	G.D PZ-7	5.50		97						1. 2.			