

Megascolides-2

Date :	22 Jan 2007	Well Site Manager :	Chris Dann	Rig Manager :	Agus Nugroho
Report Number	25	Drilling Supervisor :	Chris Dann / Brian Assels	Drilling Company :	Century Drilling Ltd
Easting	403212	Northing	5767583	Geologist :	Dave Horner

Well Details

Country:	Australia	Current Hole Size:	8.500in	Casing O.D.:	9.625in	Planned TD:	2170m
Field:	Megascolides	Measured Depth:	1778m	Casing MD:	507m	Last BOP Test:	10 Jan 2007
Rig:	Century 11	True Vertical Depth:	1778m	Casing TVD:	507m	FIT/LOT:	20.00ppg /
RT - AMSL:	156.20m	24 Hr Progress:	56m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	18.42	Liner MD:		LTI Free Days:	243
Datum:	WGS 84	Days On Well:	24.33	Liner TVD:			

Current Ops @ 0600:	Drill 8-1/2" hole at 1792m
Planned Operations:	Drill 8-1/2" hole to core point. POH and change BHA to coring assy. RIH and cut core.

Summary of Period 0000 to 2400 Hrs

Conduct WLS and wiper trip to 1530m. RIH and drill 8-1/2" hole to 1750m. Rig repair (1 hr). Con't drill 8-1/2" hole to 1769m. Rig service (1/2 hr). Rig repair (1/2 hr). Drill 8 1/2" hole to 1778m.

Well Costs - AFE Number:

Original AFE:	\$ 2,839,256	Orig & Supp AFE:	\$ 2,839,256	Daily Cost:	\$ 73,924	Cum. Cost:	\$ 1,906,022
Projected Cost:	\$ 3,039,256						

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	22 Jan 2007	0 Days	Personnel Blow into Alcoholiser
Pre-Tour Meetings (2)	22 Jan 2007	0 Days	Correct selection and maintenance of elevators & Correct use of non-powered tools

Operations For Period 0000 Hrs to 2400 Hrs on 22 Jan 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	SVY	0000	0030	0.50	1722m	Flow check well and run WLS at 1710m
PH1	P	PS	0030	0100	0.50	1722m	Circulate well, spot weighted pill and rack kelly
PH1	P	WT	0100	0230	1.50	1722m	Pull out of hole to 1530m for wiper trip - run in hole to 1710m
PH1	P	RW	0230	0300	0.50	1722m	Pick up kelly and wash to 1722m - 1mt of fill on bottom
PH1	P	DA	0300	1000	7.00	1750m	Drill 8 1/2" hole from 1722m to 1750m
PH1	P	RR	1000	1100	1.00	1750m	Repair hydromatic drive - key dislodged from driven sprocket on hydromatic input shaft
PH1	P	(RE)					
PH1	P	DA	1100	1715	6.25	1769m	Drill 8 1/2" hole from 1750m to 1769m.
PH1	P	RS	1715	1745	0.50	1769m	Rig Service
PH1	P	RR	1745	1815	0.50	1769m	Work on weight indicator - bleed and lubricate to eliminate false readings
PH1	P	(RE)					
PH1	P	DA	1815	2400	5.75	1778m	Drill 8 1/2" hole from 1769m to 1778m

Operations For Period 0000 Hrs to 0600 Hrs on 23 Jan 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	DA	0000	0600	6.00	1792m	Drill 8 1/2" hole from 1778m to 1792m

WBM Data

Daily Chemical Costs: \$ 6625		Cost To Date: \$ 40397		Engineer : Peter N Aronetz	
Mud Type: KCl-PHPA-POLYMER	Flowline Temp: 58C°	Cl: 11.80x1000 mg/l	Low Gravity Solids: 5.3%	Gels 10s	3
Sample From: Past Shaker	Nitrates: 0mg/l	Hard/Ca: 80mg/l	High Gravity Solids: 0.0%	Gels 10m	4
Time: 22:30	Sulphites: 200mg/l	MBT: 6	Solids (corrected): 5.3%	Fann 003	3
Weight: 9.15ppg	API FL: 6.0cm³/30m	PM: 0.53	H2O: 94.7%	Fann 006	5
ECD TD: 9.62ppg	API Cake: 1/32nd"	PF: 0.15	Oil: 0.0%	Fann 100	26
ECD Shoe:	PV 23cp	MF: 1.05	Sand: 0.3% %	Fann 200	38
Viscosity 56sec/qt	YP 25lb/100ft²	pH: 10.2	Barite: 0	Fann 300	48
KCl Equiv: 1.8%	CaCO3 Added: 26.7ppb	PHPA Added: 2.13ppb		Fann 600	71

Comment: Treat system for water added and raise density to 9.1+ppg.
Higher clay content of formation accelates K+ ion depletion, carry out KCl addition to bring concentration back to ~1.5%.
Use CaCO3 to maintain density at 9.1 - 9.2ppg.

Shakers, Volumes and Losses Data

Available	990.0bbl	Losses	90.0bbl	Equip.	Descr.	Mesh Size	Hours
Active	610.0bbl	Downhole	3.0bbl	De-Gaser 1	Rig		0
Hole	376.0bbl	Shakers & Equip.	60.0bbl	De-Sander 1	Pioneer	2 Cones	2
Slug		Dumped	20.0bbl	De-Silter 1	Pioneer	10 Cones	2
Reserve	4.0bbl	Centrifuges		Shaker 1	DFE	2x175, 1x140	24
		De-Sander	3.0bbl	Shaker 2	DFE	2x175, 1x140	24
		De-Silter	4.0bbl				
Built	10.0bbl						

Comment: Treat system for water added and raise density to 9.1+ppg.
Higher clay content of formation accelates K+ ion depletion, carry out KCl addition to bring concentration back to ~1.5%.
Use CaCO3 to maintain density at 9.1 - 9.2ppg.

Bit Data

Bit # 4

Size ("):	8.50	IADC#	447X	Nozzles	Drilled over last 24 hrs	Calculated over Bit Run
Mfr:	Security DBS	WOB(avg)	30.00klb	3 x 13/(32nd")	Progress 56m	Cum. Progress 200.0m
Type:	Rock	RPM(avg)	75		On Bottom Hrs 16.00	Cum. On Btm Hrs 48.00
Serial No.:	743418	RPM (DH)(avg)	75		IADC Drill Hrs 20.00	Cum IADC Drill Hrs 58.00
Bit Model	XS16D	F.Rate	445gpm		Total Revs 170794	Cum Total Revs 316978
Depth In	1578m	SPP	1700psi		OB-ROP(avg) 3.50m/hr	Cum. OB-ROP(avg) 4.17m/hr
Depth Out		TFA	0.3889	HSI 5.19		

BHA Data

BHA # 3

Weight(Wet)	41.00klb	Length	218m	Torque(max)	90ft-lbs	D.C. (1) Ann Velocity	329fpm
Wt Below Jar(Wet)	37.00klb	String	144.00klb	Torque(Off.Btm)	5ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	150.00klb	Torque(On.Btm)	70ft-lbs	H.W.D.P. Ann Velocity	210fpm
		Slack-Off	136.00klb	Jar Hours	331.5	D.P. Ann Velocity	210fpm

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.23m	8.50in		10881881		
Near Bit Stab	1 x 1.61m	8.50in	2.94in	S6527	210	
Pony DC	1 x 3.06m	6.25in	2.88in	6510-3		
String Stabiliser	1 x 1.44m	8.50in	2.81in	6527	210	
NMDC	1 x 9.32m	6.75in	2.81in	H362	210	
Drill Collar	1 x 9.23m	6.50in	3.00in	E 436		
String Stabiliser	1 x 1.48m	8.50in	2.81in	S 65	210	
Drill Collar	11 x 9.02m	6.25in	3.00in			
Drilling Jars	1 x 9.58m	6.25in	3.00in		331.5	
Drill Collar	3 x 9.01m	6.25in	3.00in			
HWDP	6 x 9.35m	4.50in	2.94in			
Total Length:	218.30m					

Survey

MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (deg)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
1399.00	4.00	328.00	1396.94	56.78	0.24	56.78	-24.47	Hofco single shot
1493.00	4.50	326.00	1490.68	62.61	0.17	62.61	-28.27	Hofco single shot
1596.00	3.25	330.00	1593.44	68.49	0.37	68.49	-31.99	Hofco single shot
1704.00	3.00	23.00	1701.30	73.75	0.78	73.75	-32.42	Hofco single shot

Summary

Company	Pax On
Karooon Gas Ltd	4
Century Drilling Ltd	22
RMN Drilling Fluids	1
BHI	2
Eurest	3
Corpro Systems Ltd	1
Total on Rig	33

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
AMC Biocide G	25L can	0	0	0	21.0
AMC Defoamer	25L can	0	0	0	0.0
AMC PAC-R	25kg sack	0	2	0	29.0
AMC PHPA	25kg sack	0	6	0	21.0
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	14.0
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	66	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	2	0	24.0
Sodium Sulfite	25kg sack	0	3	0	33.0
Xanthan Gum	25kg sack	0	5	0	24.0
Xtra-sweep	12lb box	0	0	0	8.0
Diesel fuel	lt	0	4300	0	13,700.0
Calcium Carbonate 40µ	25 kg sacks	0	192	0	192.0

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	225	1778		1.	70	240	147
										2.	100	460	280
2	G.D PZ-7	5.50		97	107	1700	225	1778		1.	70	240	147
										2.	100	440	280
3	G.D PZ-7	5.50		97						1.			
										2.			