GEOLOGICAL REPORT
DRILLING AND SAMPLE LOG

TIM PRIEST
PETROLEUM GEOLOGIST
ABN 29 075 277 304

Petroleum Geologist

WELL NAME	Schedule 1.23 - AAE 08LCO
LOCATION	KEST 08 KEST PTR
COORDINATES	Lat: 27° 27' 0.0" S Long: 140° 0' 0.0" E
GROUND ELEVATION	0 m
DATUM	GDA 94
SPUD DATE	25-Jun-2008
TD DATE	26-Jun-2008
TOTAL DEPTH (TD)	4800 m
DRILLING CONTRACTOR	Boart Longyear
DRILLING RIG	Schramm T685WS
DRILLING MUD	Water
CASING	9.5" @ 30 m
ELEVATIONS	KB: 0 m DF: 0 m Ground: 0 m
GEOLOGICAL SUPERVISION	Tim Priest
ELECTRICAL SUPERVISION	Schlumberger
ELECTRICAL LOGS	Schlumberger
DATE	26-Jun-2008
PETROLEUM TENEMENT	SA Exploration Licence 103
OPERATOR	Santos Limited
PROJECT	Moomba Sunrise
PROJECT NO.	1
WELL NO.	1
PROJECT MANAGER	Tim Priest
PETROLEUM GEOLOGIST	Tim Priest
PETROLEUM ENGINEER	Tim Priest
DRILLING ENGINEER	Tim Priest
DRILLING SUPERVISOR	Tim Priest
DRILLING MANAGER	Tim Priest
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DRILLING SUPERVISOR	Tim Priest
DRILLING MANAGER	Tim Priest

REMARKS Due to negative drill stem tests, it was decided to plug and abandon the well.

Respectfully Submitted,

Tim Priest
Petroleum Geologist

ATP 875 CTP 17174 DB DB

LEGEND

Sandstone | Limestone | Dolomite | Shale | Coal | Chert | Gas | Oil | Water

DRILLING TIME IN
Minutes PER FOOT
Max Penetration Rate

DEPTH (m)	SAMPLE DESCRIPTION	REMARKS
2400		Arkaroola 2400(-1911)
		Basal Arkaroola 2460(-1971)
	La: crm-lt gry, foss, chky, dnse	
	Dn: gm-gry	
	La: crm-gry-mottl, foss, sil, chky, p-f int sil ptgs pvs; ND	
	Dn: gm-gry	
	La: crm-gry-mottl, foss, sil, chky, p-f int sil ptgs pvs; ND	
	Dn: blk, carb	
	SILSS: med-gry, fr sand grn, p wsh, sil fracture, ND	
	La: crm-brn-gry, fr sil, arg in part, no ss pvs	
	Dn: gm-gry, carb	
	Dn: blk, carb	
	La: crm-lt gry, foss, chky, p-f int sil ftrs pvs; ND	
	La: crm, vfr, sil, chky, dnse	
	Dn: red-maroon	
	La: crm-tan, fr sil, foss, f int sil, sil pvs; ND	
	Dn: blk, carb	Oodnadatta 3000 (-2561)
	Dn: gy-dk gry, carb	Tarkaby 4010 (-2571)
	La: crm-lt gry, fr sil, foss, v chky, int sil ptgs pvs; ND	
	La: crm-lt gry, vfr-sil, sil chky, dnse	Lanning 4041 (-2601)
	La: crm-lt gry, fr sil, foss, chky, f int sil, lt hd frag pvs; ND	
	Dn: gy-dk gry	
	La: crm-lt gry, vfr-sil, dnse	
	La: crm-lt gry, fr sil, foss-sil ssl, chky, f int sil, lt hd frag pvs; ND	
	Dn: gm-gry	
	La: crm, fr sil, foss, v chky, p-f int sil ptgs pvs; ND	
	La: crm-lt gry, vfr-sil, sil chky, sil chky, dnse	
	Dn: blk, carb	
	La: crm-lt gry, vfr-sil, dnse	
	La: crm-lt gry, fr sil, foss-sil ssl, chky, p-f int sil ftrs pvs; ND	
	Dn: gy-dk gry	
	La: crm-lt gry, fr sil, foss, v chky, p-f int sil ftrs pvs; ND	
	La: crm-lt gry, fr sil, sol, chky, ligt int pvs; ND	
	La: crm-lt gry, vfr-sil, dnse	
	La: crm-tan, fr sil, foss, chky, p int sil pvs; ND	
	La: crm-lt gry, fr sil, foss, chky, p int sil pvs; ND	
	Dn: gy-dk gry	Mooloo Creek 4230 (-1789)
	La: lt gry, vfr-sil, chky, dnse	
	Dn: red-gy, carb	
	La: crm, foss, v chky, p-f int sil & int frag pvs; ND	
	La: crm-tan, vfr-sil, sil chky, dnse	
	Dn: blk, carb	
	La: crm-tan, sil chky, dnse	
	Dn: lt gry-gry	
	La: crm-tan, vfr-sil, chky, dnse	
	La: crm-lt gry, fr sil, foss-sil, chky, p int sil & lt hd frag pvs; ND	
	La: tan-gry, vfr-sil, dnse	
	Dn: gm-gry	
	La: crm-lt gry, vfr-sil, dnse	
	La: crm-tan, fr sil, sol, chky, p-f int sil pvs; ND	
	Dn: blk, carb	Stuart 4377 (-1937)
	La: crm-lt gry, fr sil, foss, chky, p-f int sil & int frag pvs; ND sil: mn foss SSSTS	
	La: crm-tan, vfr-sil, dnse	
	La: crm-lt gry, fr sil, foss, v chky, p-f int sil & int frag pvs; ND	Hookhanna 4377 (-1937)
	Dn: blk, carb	
	La: crm-tan, vfr-sil, dnse	
	Dn: gy-dk gry	
	La: crm-lt gry, vfr-sil, dnse	
	Dn: blk, carb	
	La: crm, vfr-sil, dnse	Bill Ci 4437 (-1997)
	La: crm-tan, vfr-sil, dnse	
	Dn: gy-dk gry, carb	
	Dn: var col, silty	
	Dn: gy-dk gry, carb	
	La: crm-lt gry, fr sil, foss-sil, chky, p-f int sil & int frag pvs; ND sil: mn foss SSSTS sil: abnt, dull fluor	Chor samples from 4460'-4480'
	La: crm-tan, v cm, sil, foss, p-f int sil ptgs pvs w/free oxyds, tan-brn, sil, v chky, dnse, int frag sil: abnt, dull fluor La: crm-tan, vfr-sil, dnse	4461 (-2020)
	La: crm-lt gry, fr sil, foss, sil chky, p-f int sil ptgs pvs w/free oxyds, tan-brn, sil, v chky, dnse, int frag sil: abnt, dull fluor Dn: gy-dk gry	4467 (-2026)
	La: crm-lt gry, fr sil, v chky, foss, p-f int sil ptgs pvs w/free oxyds, tan-brn, sil, v chky, dnse, int frag sil: abnt, dull fluor La: tan-gry, vfr-sil, dnse	4473 (-2032)
	La: tan-gry, vfr-sil, arg in prt	
	La: crm-lt gry, vfr-sil, sil chky, dnse Dn: gy	Paperna 4488 (-2046)
	La: crm-lt gry, vfr-sil, sil chky, dnse	
	Dn: blk, carb	Mulo Station 4500 (-2060)
	La: tan, vfr-sil, foss, chky, dnse	
	Dn: blk, carb	Fort Scott 4515 (-2065)
	La: tan-gry, vfr-sil, foss-sil, sil chky, dnse	
	Dn: blk, carb	
	La: crm-tan, vfr-sil, dnse	
	La: crm-lt gry, fr sil, foss, v chky, p-f int sil & int frag pvs; ND	Cherokee Shale 4550 (-2100)
	La: crm-tan, fr sil, foss, v chky, p-f int sil & int frag pvs; ND sil: mn foss SSSTS	
	La: crm-lt gry, vfr-sil, sil chky, dnse	
	Dn: blk, carb	
	La: tan-gry, foss, sil chky, dnse	
	Dn: blk, carb	
	La: tan-gry, mic sil, chky, dnse	
	Dn: gm-gry-dk gry	Johnson Zone 4572 (-2122)
	La: tan, mic sil, chky, dnse	
	La: tan-gry, vfr-sil, sil, foss, dnse	
	Dn: gy-gy	
	La: crm-lt gry, fr sil, foss, v chky, p-f int sil ptgs pvs; ND	
	La: crm-lt gry, fr sil, foss, v chky, p-f int sil ptgs pvs; ND	
	La: crm-lt gry, fr sil, foss, chky, p-f int sil ptgs pvs; ND	
	La: tan-gry, mic sil, dnse	
	La: crm-lt gry, vfr-sil, foss, sil chky, sil chky, dnse	
	Dn: gm-dk gry-maroon	
	Dn: gm-gry-maroon, silty	
	Dn: gm-gry-maroon, silty	
	Dn: var col, silty, purbtc	
	Dn: var col, silty, a few grns of lt gy SS	
	SS: lt gry, fn-med grn, poor sorted, frable, ND	Meadowview 4637 (-2187)
	La: crm-tan, fr sil, chky, sandy, dnse	
	La: crm-lt gry, mic sil, dnse	
	La: crm-tan, vfr-sil, dnse	
	La: crm-lt gry, vfr-sil, chky, dnse	
	La: crm-lt gry, vfr-sil, v chky, dnse	
		Total Depth 4800 (-2350)