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GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

WELL NAME:	Santos Tintaldra 1
LOCATION:	Tintaldra, Victoria
LATITUDE:	36° 18' 26.2" S
LONGITUDE:	146° 39' 8.6" E
COORDINATES:	GDA 94 Zone 55
ELEVATION:	KB: 394m
	GL: 384m
SPUD DATE:	24/01/11
TD DATE:	28/01/11
RIG:	Rig 1
CONTRACTOR:	Frontier Drilling
DRILLER:	Ryan, Chris, Kevin, Mick, Clayton
MUD ENGINEER:	Kane Bell
MUD TYPE:	Water Gel
DRILLING TIME SAMPLE FROM:	0m
DRILLING TIME SAMPLE TO:	4973m
GEOLOGICAL SUPERVISION FROM:	0m
GEOLOGICAL SUPERVISION TO:	4973m
FORMATION TOPS:	ELECTRICAL LOGS
Tertiary	0m
Tertiary	1000m
Tertiary	2000m
Tertiary	3000m
Tertiary	4000m
Tertiary	4500m
Tertiary	4600m
Tertiary	4700m
Tertiary	4800m
Tertiary	4900m
Tertiary	4973m
Total Depth	4973m

Operator	Santos
Logging Company	Schlumberger
Logging Date	28/01/11
Logging Run	1
Bit Number	1
Bit Size	216mm
Casing Shoe	0m
Casing Size	0mm
Casing Depth	0m
Mud Weight	1.05
Viscosity	35
Fluid Loss	0
Pump Pressure	0
Flow Rate	0
Max Gas	0
Max Trip Gas	0
Max Connection Gas	0
Max Background Gas	0
Max Chloride	0

REMARKS

Respectfully Submitted,

Tim Priest
Petroleum Geologist

API #15-087-11992-00-00

LEGEND

Sandstone, Siltstone, Shale, Limestone, Coal, Dolomite, Chert, Gas Shows, Oil Shows, Cement, Casing, Core Chips, Core Plugs, Drill Cuttings, Core, Dead Oil Shows, Drilling Breaks

DRILLING TIME IN
Minutes PER FOOT
Hard Fast Average Slow

DEPTH (STANDARD)

SAMPLE DESCRIPTION

La: cons, fr, sft, foa sod, f int sft & pp ovg por, NS

La: cmn-fr gry, fr sft, foa, chky, f int sft pp por, NS

La: cmn-fr gry, sft-sft, draw

La: cmn-gry, fr sft, chky, draw

Dol: tan, fr sft, suc, f int sft pp por, NS

Dol: cmn-tan, sft-sft, suc, f int sft & pp ovg por, NS

Sh: blk: carb

La: tan-gry, sft-sft, sd foa, draw

Sh: blk, carb

Sh: gry, carb

La: cmn-tan, fr sft, foa, p int sft por, NS

Sh: gry w/int bed cmn-gry draw

La:

Sh: gry brn, carb

La: tan-brn, sft-sft, sd foa, draw

La: cmn-tan, sft-sft, sd chky, draw

Sh: gry

La: cmn-fr gry, sft-sft, draw

La: cons, fr sft, sod, chky,f int sft & sos por, NS

La: cons, fr sft, sft foa, chky, hard draw

La: cons, fr sft, foa, chky, p f int sft ovg por, NS

La: cmn-fr gry, sft-sft, draw

La: cons, fr sft, sod, chky,f int sft int por, NS

La: cmn-tan, sft-sft, chky, draw

La: cons, fr sft, sod, chky, f gd int sft & sos por, NS

La: cons, fr sft, sod, sd chky, f int sft & sos por, NS

Ma Ng @ 4910'
Fgn sprs @ 4930' into 50 sand in Kopane

La: tan-brn, sft-sft, draw

La: gry, sft-sft, sd foa, sd chky

Sh: blk, carb

La: fr gry, sft-sft, draw

La: cmn-tan, fr sft, foa, chky, p f int sft ovg por, NS
Sh: blk, carb
La: cons, fr sft, sod, sd chky, p f int sft & sos ovg por, NS
Sh: blk, carb
La: cons, fr sft, sod, chky, f int sft & sos por, NS
Sh: blk, carb
La: cons, fr sft, sod, sd chky, f gd int sft & sos por, NS
Sh: blk, carb
La: cons, fr sft, sod, sd chky, f gd int sft & sos por, NS
Sh: blk, carb
La: cons, fr sft, sod, sd chky, p f int sft & sos ovg por, NS
Sh: blk, carb
La: cons, fr sft, sod, sd chky, f gd int sft & sos por, NS
Sh: blk, carb
La: cons, fr sft, sod, sd chky, p f int sft & sos ovg por, NS
Sh: blk, carb
La: fr gry, sft-sft, sd foa, draw

La: tan-gry, mod, sft-sft, draw

La: cmn-gry, sft-sft, chky, draw

La: tan-gry, sft-sft, sd chky, draw

Sh: blk, carb, Sfcgb

La: tan, fr sft, sod, f gd int sft & sos ovg por, NS, int sd int sft, NS/FG, strong chky f flour, Sfcgb

La: tan-brn, fr sft, sod, f gd int sft & sos por, NS

La: tan-gry, mic sft, draw

Sh: blk, carb, Sfcgb

La: tan-brn, fr sft, sod, f gd sos por, NS, int sd int sft, NS, int sd int sft flour, Sfcgb

La: tan-gry, fr sft, sod, sd chky, f gd sos por, NS

La: fr gry, fr sft, sod, f sos por, NS

La: gry-dk gry, mic sft, draw

La: tan-gry, sft-sft, draw

Sh: gry

La: tan-gry, sft-sft, sd foa, draw

La: gry, mic sft, draw

Sh: dk gry

RMKS

Hanson
4180 (-1786)

Lanna
4240 (-1846)

Mundo Creek
4550 (-2156)

Stark Shale
4680 (-2286)

Paskenhead
4714 (-2320)

Total Depth
4973 (-2579)