# Santos HENRY 2DW1 Page 1 of 2 DAILY GEOLOGICAL REPORT DGR 13

Date: 28 September 2008 Licence / State: VIC/P44

**Report Period:** 06:00 – 06:00 Hours EST **Rig:** OCEAN PATRIOT

Days From Spud: 13 RT - SEAFLOOR:

 Current Hole Size:
 311mm (121/4")
 WATER DEPTH 67.0m MSL 20.8m MSL

 Pepth @ 06:00 Hrs EST:
 2047m MDRT 2026 M

1716.0m TVDRT Sidetrack from 05:00 hrs on 16<sup>th</sup>
-1695.2m SS MSL Henry 2: September,2008

87.8m

**24 Hr Progress:** 0m

06:00 - 06:00 EST

**Current Operation:** Running wear bushing prior to running in hole with the casing cutting tool.

Nope Cost (Drill)\$ (C&S)\$ 37.4 million Cost To Date:

(P&A)\$

Casing Data	Hole Size	Depth	Casing Size	Wt:	Type	Shoe Depth	LOT
	914 mm	131.7m	762mm (30")	461 kg/m	Conductor	131.7m	n/a
	(36")			(310 lb/ft)			
	445mm	657m	340mm	101 kg/m	L80 BTC	652m	2.21sg (18.4ppg)
	(17.5")		(13.375")	(68 lb/ft)			
	311mm	2047m	244mm -273mm	47 - 55.5	L-80 Vam		
	(12.25")		(9 5/8")-(10 3/4")	lb/ft			

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCI:	CI -:	PV/YP:	Rmf:
23:30hrs	KGlycol	10.0	78	3.7	8.2	10.0	56K	20 / 33	-

Bit Data	No.	Make	Туре		Size	Hours	Meters	Condition
Current								
Previous	2	Reed	PDC	RSX519M	311mm (12½")	10.9	339	0-1-CT-S-X-I-BU-TD

Surveys	Type	MD (m)	Inclination	Azimuth (T)	TVD (m)	Offset (m)	Direction (T)

#### **OPERATIONS SUMMARY**

#### Previous 24 hrs Operations Summary at 06:00 hrs EST

Continue to work stuck casing at 1913m with 1.2sg (10.0ppg) mud. Mix, pump and displace 6.4m3 (40bbls) 1.9sg (15.8ppg) cement to isolate the Waarre A. Perform blind back off of casing and pull out of the hole laying out the 273mm (10  $^{3}$ /<sub>4</sub>") casing (38 joints laid out). Top of fish at 455m. Run wear bushing.

#### **Anticipated Operations:**

Make up casing cutting tool, run in hole and cut 244mm (9 5/8") casing at approximately 1300m. Pull out of hole laying out casing. Run in hole with mule shoe and set cement kick off plug 1100m to 1300m.

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	FORMATION TOPS							
FORMATION	ACTUAL TOP		High / Low	High / Low	PROGNOSED TOP			
	(mMDRT)	(mSS MSL)	Prognosis (m)	Henry 1	(MDmRT)	(mSS MSL)		
SEA LEVEL	20.8	0.0			20.8	0.0		
HEYTSBURY GP	87.8	-67.0	1.0 High	0.5 High	88.8	-68.0		
MEPUNGA FM	720.0	-699.2	0.2 Low	56.1 High	720.0	-699.0		
DILWYN FM /	848.0	-827.1	24.1 Low	24.4 High	824.0	-803.0		
WANGERRIP GP								
PEMBER MUDSTONE	1092.5	-1066.1	12.1 Low	31.4 High	1086.7	-1054.0		
PEBBLE POINT FM	1132.5	-1101.1	22.1 Low	21.8 High	1113.6	-1079.0		
MASSACRE SHALE	1207.0	-1168.3	33.3 Low	18.6 High	1173.9	-1135.0		
TIMBOON FM	1222.0	-1181.4	36.4 Low	17.2 High	1184.7	-1145.0		
PAARATTE FM	1443.0	-1361.5	28.5 Low	37.0 High	1389.4	-1333.0		
				Henry 2				
SKULL CREEK MDST	1681.0	-1541.5	1.7 High	1.7 High	1686.0	-1543.2		
K85 UNCONFORMITY	2041.0	-1694.3	0.6 Low	0.6 Low	2014.3	-1693.7		
WAARRE A	2041.0	-1694.3	0.6 Low	0.6 Low	2014.3	-1693.7		
TOTAL DEPTH	2047.0	-1695.2			2626.9	-1708.7		

## HYDROCARBON SHOW SUMMARY

INTERVAL	LITHOLOGY & HYDROCARBON FLUORESCENCE	GAS

	GAS	MD (m)	Peak	Background	Chromatograph
ĺ	Trip Gas				
	Connection Gas				

## GEOLOGICAL SUMMARY

INTERVAL ROP (m/hr)	LITHOLOGY	GAS (Peak / BG) Composition

### **REMARKS:**