

## 1.0 GENERAL INFORMATION

**Well Name:** Shenandoah-1A  
**Well Classification:** Gas Exploration  
**Title Holders:** Falcon Oil & Gas Australia Ltd.  
**Permit / State:** EP98, N.T (Figure 1.A)

Figure 1.A Map of Australia showing location of the Beetaloo Basin, Permit area and Shenandoah-1A







**Drilling Contractor & Rig:** Australia Drilling Services, Rig-6  
**Ground / RT Elevations:** GL 226.8m AHD / RT 231m  
**Deviation:** Vertical Well, Max deviation = 3.5degrees @ 1277m  
**Proposed TD:** 2714.3m RT, -2483.3m SSTVD  
**Actual TD Driller:** 2703mMDRT, -2471.9 mSSTVD  
**Actual TD Logger:** 2703mMDRT, -2471.9 mSSTVD  
**Drilling Fluids:** Australian Mud Company Ltd  
**Mud Logging Services:** Geoservices  
**Cementing Services:** Halliburton Energy Services  
**Completion Services:** Halliburton Energy Services and Boots & Coots  
**Well Testing Services:** SGS Australia Pty Ltd  
**Wireline Logging/Perforating:** Crocker Tucker Energy Services  
**Casing Summary:** Safety Factor = 1.1 applied to burst, collapse and tension parameters in following; Table I

Size	Depth (m)	Weight #/ft	Grade psi	Connection	ID (in)	Drift (in)	Burst (psi)	Collapse (psi)	Tension (lbs)
20"	20	94	H-40	BTC	19.124	18.936	1391	472	443,000
13 3/8"	420	54.5	K-55	BTC	12.615	12.459	2482	1027	497,000
9 5/8"	1553	47	K-55	BTC	8.681	8.525	4290	3528	678,000
4 1/2"	2714	15.1	P-110	Vam Top	3.826	3.70`	14,420	14340	485,000

**Significant Dates:**  
 Spud Date; 12:00 hrs, 14/09/2011  
 TD Reached; 05:00 hrs, 18/09/2011  
 Rig Released; 24:00 hrs, 22/09/2011  
 Stage 1 commence; 14/10/2011  
 Stage 2 commence; 19/10/2011  
 Stage 3 commence; 28/10/2011  
 Stage 4 commence; 30/10/2011  
 Stage 5 commence; 31/10/2011  
 Plug and Abandon; 07/11/2011



<b>Well Test Objectives:</b>	Stage 1; 2529-2548 mMDRT, Middle Velkerri Lower B Stage 2; 2481-2498 mMDRT, Middle Velkerri B Stage 3; 1837-1910 mMDRT, Moroak Deltaic Sandstone Stage 4; 1728-1780 mMDRT, Moroak Fluvial Sandstone Stage 5; 1631-1649 mMDRT, Lower Kyalla
<b>Drilling Supervision:</b>	Matt Hoover (APEX Engineering Services)
<b>Stimulation and Testing Supervision:</b>	Bill Anthony & John Harkrider (APEX Engineering Services)
<b>Geological Supervision:</b>	Darrell Hoyer & Garry Lavold (Falcon Oil and Gas)
<b>Well Status:</b>	Plugged & Abandoned; 7 November, 2011 (Figure 1.C)
<b>Plug and Abandonment:</b>	Each tested interval is isolated with a cast iron bridge plug (CIBP) set at; 2252.0 mMDRT 1952.0 mMDRT 1815.0 mMDRT 1660.0 mMDRT 1575.0 mMDRT On top of the shallowest CIBP a 15m long cement plug was set, which was followed by another 15m long surface cement plug (Figure 1.C).

Figure 1.C Plug and Abandonment Schematic of Shenandoah-1A

