

Well Name	West Mereenie 26		Petroleum Title	OL4	Basin	Amadeus			
Well Purpose	Appraisal		Status	Suspended	Parent Well Name, if any				
Spud Date	22/05/2018		TD Date	28/06/2018	Rig Release Date	5/07/2018			
Primary Objective		Lower Stairway 2 Sst		Rig(s) Name	Ensign 932				
Secondary Objective		NA		100K Map Sheet	Tarawera 5150				
Total Depth		MD	TVD		Side-Track Kick-off Depth, if applicable		NA		
	Driller	2388.00	1116.75						
	Logger	2388.00	1116.75		Drill Datum		Elevation Datum: AHD		
Location	Coordinates	Surface	Bottom Hole		<input checked="" type="checkbox"/> DF <input type="checkbox"/> RT <input type="checkbox"/> KB		GL Elevation: 742.99m Drill Datum Elevation: 748.84m		
(GDA94 Datum with GRS80 Ellipsoid using MGA94 Grid)	Latitude	23°56'31.2590" S	23°55'59.9252" S		Seismic Station, if applicable		Survey	Inline	Xline
	Longitude	131°23'57.5314" E	131°24'42.4581" E				M87		4
Zone	Easting	744194.246	745481.36		Shot point				
52	Northing	7350117.32	7351059.86						311
<b>Well Summary</b>									
<p>The West Mereenie 26 well was spudded on 22 May 2018 targeting gas in the Lower Stairway 2 Sandstone in an area of predicted high natural fracture density. The well was drilled with water-based mud and drilled directionally into the Middle Stairway Sandstone where a 7" intermediate liner was cemented. Gas shows were observed in the Upper Stairway Sandstone while drilling with mud. The well was then drilled out with air/foam into the Lower Stairway 2 Sandstone with the aim to penetrate the Lower Stairway 2 Sandstone sub-parallel to bedding and therefore maximize connection with any natural fractures. Gas shows were observed while drilling with air/foam, however, no flow rate was obtained upon reaching TD of 2388.00m MD. The well was then suspended with a bridge plug and the rig was released on 5 July 2018.</p>									
<b>Hole and Casing Design (Drillers Depths)</b>						<b>Drilling Fluid</b>			
Type	Hole Size	Depth (mMD)	Casing Size	Shoe mMD	Shoe mTVD	Hole Size	Type		
Conductor 1	24 inch	23.5	20 inch	23.5	23.5	24 inch	WBM – Gel		
Conductor 2	17.5 inch	309.0	23.375 inch	306.1	306.0	17.5 inch	WBM – KCL/Gel		
Surface	12.25 inch	548.0	9.625 inch	544.8	544.6	12.25 inch	WBM – KCL/Gel		
Intermediate Liner	8.5 inch	1498.0	7 inch	1495.5	1002.0	8.5 inch	WBM – KCL/Gel		
						6.125 inch	Air/Foam		
<b>Stratigraphy – Formation Tops (Loggers)</b>					<b>Formation Evaluation</b>				
Formation	Depth			Run	Measurement	Depth Interval			
	mMD	mTVD	mTVDGL			From (mMD)	To (mMD)		
Mereenie Sandstone	6	6.00	0.15	1	CBL - 9.625" casing	0.00	523.80		
Upper Stokes Siltstone	529	529.00	524.15	2	CBL – 7" liner	480.00	1450.00		
Lower Stokes Siltstone	812	796.50	790.65	3	Gamma ray, caliper, temperature, shallow/deep resistivity, Neutron, Density, Photoelectric effect, Spontaneous potential	1455.50	2380.35		
Upper Stairway Sandstone	893	858.80	852.95						
Mid Stairway Sandstone	997	915.50	909.65						
Lower Stairway Sandstone 2	1430	995.10	909.65						
Total Depth	2388	1116.75	1110.90						
				4	Cross Dipole Sonic	2318.00	2372.00		
					Resistivity Image	2256.08	2381.50		
<b>Mud Logging</b>				<b>Formation Testing (DST)</b>			DFIT	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Total Gas and C1-C5 chromatograph from 0 mMD to 2338.0 mMD				No DST's were run, however a flow test while drilling with air/foam at the end of the well was performed with rate too small to measure.			HF	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Coring	<b>Hydrocarbon Shows</b>								
NA	920mMD to 1000mMD – up to 1% mud gas while drilling with water-based mud within the Upper Stairway Sandstone								

1800mMD to 2388mMD – up to 0.1% mud gas while drilling with air/foam in the Lower Stairway Sandstone

Completion

The well was suspended with a bridge plug set at 784mMD and the rig was released on 5 July 2018.