

WELL NAME: Palm Valley 13					CLASSIFICATION: Appraisal					
OPERATOR: Central Petroleum Limited										
Surface Location:			Seismic line: M94-PV05			Rig Details:				
Latitude: 23° 59' 35.282"S			Shot point: 36			Rig Name: Ensign 932				
Longitude: 132° 43'33.433"E						Contractor: Ensign Energy Services				
GDA 94 Zone 52						Rig Type: Land Dreco				
Bottom hole Location:			Basin: Amadeus			Depths:				
Latitude: 23° 59' 20.6240"S			Field: Palm Valley			Surface Elevation (ASL): 843.04m				
Longitude: 132° 43'41.5524"E			Permit: OL3			Rig Datum, KB : 5.85m				
GDA 94 Zone 52			100k Mapsheet:			Total Depth: 2242m MD				
			Hermannsburg			Total Depth: 1988.66m TVD				
Casing/Liner Details:			Dates:			Well objective and status:				
Size	Depth		Spud Date: 21st Aug 2018			Directionally drill into Pacoota 1				
Conductor 1	23.5m		TD Date: 13 th Oct 2018			Sandstone: completed				
Conductor 2	249.0m		Released: 18 th Oct 2018			Flow test: Stabilized @ 12 MMscfd				
Surface 12-1/4"	1119.0m					Status: Well suspended with				
Intermediate liner 7"	1845.0m					permanent packer and 3-1/2' tubing				
Coring Details:			Cuttings Interval Sample			Gas Sampling				
None			Surface – 1120m 15m			2		Lower Stairway Sst		
Sidewall Cores:			1120m – 2240m 5m			3		Horn Valley Siltstone		
None						7		Pacoota 1 Sandstone		
Well tops (metres)			Prog	Prog	Prog	Actual	Actual	Actual	High/ Low to Prog	
Formation			Depth MD	Depth TVD	Thk TVT	Depth MD	Depth TVD	Depth SS		
Hermannsburg Sst			5.8	5.8	394	5.8	5.8	845.8	398.2	GL
Parke Siltstone			399	399	36	389	389	461.9	34	10m H
Mereenie Sandstone			435	435	582	423	423	427.9	575	12m H
Carmichael Sst			1017	1017	86	998	998	-147.1	84	19m H
Stokes Siltstone			1103	1103	306	1082	1082	-231.1	330	21m H
Upper Stairway Sst			1416	1409	40	1412	1407	-556.1	25	2m H
Mid Stairway Sst			1459	1449	152	1437	1430.9	-580.1	153.2	18.1m H
Lwr Stairway Sst			1629	1601	138	1608	1584.1	-733.3	134	17m H
Horn Valley Siltstone			1794	1739	80	1761	1714.7	-863.9	82.6	24.5m H
Pacoota P1 Sst			1902	1819	283	1864	1797.3	-946.5	191.3	21.7m H
TOTAL DEPTH			3475	2102		2242	1988.7	-1137.8		
Well Evaluation logs			Top logging depth			Bottom logging depth				
Mud logging (TG and C1-C5)			0.00			2242.00				
Cement bond log 9-5/8" csg			0.00			1124.31				
Cement bond log 7" liner			542.96			1856.03				
Production Tests			Depth Interval MD		Rate	Pressure	Duration	Orifice size (inch)		
1 (Lower Stairway - HVS)			1116.5 - 1845.0		0.02	1.2	60	2"		
2 (HVS - Pacoota P1)			1842.0 - 1946.0		0.56	15.0	32	2"		
3 (HVS - Pacoota P1)			1842.0 - 2011.1		4.60	44.0	38	2"		
4 (HVS - Pacoota P1)			1842.0 - 2020.0		13.60	29.0	6	3"		
5 (HVS - Pacoota P1)			1842.0 - 2022.0		12.00	29.0	15	3.5"		
5 (HVS - Pacoota P1)			1842.0 - 2022.0		11.90	95.0	30	3.5"		
5 (HVS - Pacoota P1)			1842.0 - 2022.0		11.00	175.0	30	3.5"		
5 (HVS - Pacoota P1)			1842.0 - 2022.0		10.70	220.0	30	3.5"		
6 (HVS - Pacoota P1)			1842.0 - 2122.0		12.10	34.0	15	3.25"		

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