



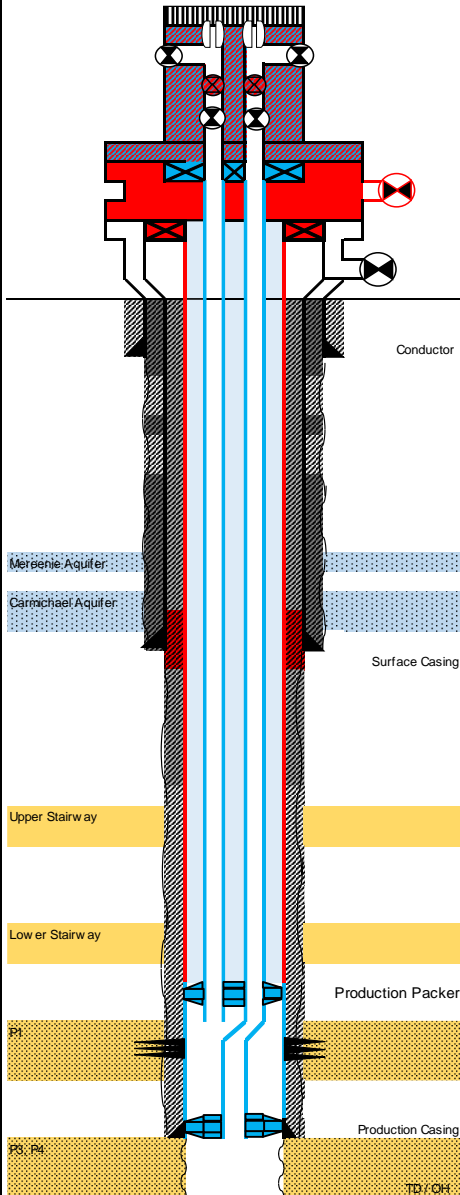
Field: Mereenie  
 Well Name: West Mereenie 28  
 Active / Inactive: Active  
 Well Status: Construction

Revision: 2  
 Date: October 2022  
 WBIV reviewer:  
 D.MacDougal



**West Mereenie 28 - For WBIV Submission**

Production



**Primary Barrier Elements**

Element	Qualification	Monitoring
Lower Packer	Successful pressure test to 2000psi / 10mins (25/08/2021)	A-annulus pressure
Long String Tubing	Successful pressure test to 3000psi / 10mins (31/08/2021)	A-annulus pressure
Upper Packer	Successful pressure test to 2000psi / 10mins (31/08/2021)	A-annulus pressure
Short String Tubing	Successful pressure test to 1000psi / 10mins (31/08/2021)	A-annulus pressure
Tubing Hanger Assembly / Seals	Successful pressure test to 3000psi / 10mins (01/09/2021)	Subsurface Integrity Testing
Production Casing	Successful pressure test to 2,000psi / 10mins (18/08/2021)	Subsurface Integrity Testing
Production Casing Cement	See comments below	B-annulus pressure
XMT - UMV (L)	Successful pressure test to 5,000psi / 5 mins (FAT, 21/07/2021)	Wellhead Maintenance
XMT - UMV (R)	Successful pressure test to 5,000psi / 5 mins (FAT, 21/07/2021)	Wellhead Maintenance

**Secondary Barrier Elements**

Element	Qualification	Monitoring
Production Casing	Successful pressure test to 2,000psi / 10mins (18/08/2021)	Subsurface Integrity Testing
Production Casing Cement	See comments below	B-annulus pressure
Production Casing Hanger / Seals	Successful pressure test to 5000psi / 10mins (19/08/2021)	Wellhead Maintenance
WHD - PCAV	Successful pressure test to 5,000psi / 5 mins (FAT, 17/03/2021)	Wellhead Maintenance
XMT - UMV (L)	Successful pressure test to 5,000psi / 5 mins (FAT, 21/07/2021)	Wellhead Maintenance
XMT - UMV (R)	Successful pressure test to 5,000psi / 5 mins (FAT, 21/07/2021)	Wellhead Maintenance

**Central Petroleum Status - Level 2**

**NOG117 Status - Yellow**

Notes:

Casing and Tubing details

- 13-3/8" 50# K55 26m MDRT
- 9-5/8" 36# K55 BTC 459.4m MDRT
- 7" 29# P110 JFE Bear 1240.17mMDRT
- 2-3/8" 4.7" J55 NS-CT

Cement details

Surface Casing - No returns to surface, two top-up jobs carried out; good/moderate CBL; SC has poor to no cement from 188 - 60m MD, but isolated from surface and lower formations; LOT to 12.8ppg at casing shoe  
 Production Casing - CBL: good bond at following depths 448-476m, 760-770m, 779-782m, 786-790m, 795-805m, 945-960m, 983-996m; moderate bond at following depths 0-448m, 476-720m; micro-annuli/debonding 0-448, 476-1210m (top of tail cement approx 720mMD)

Formation details

- Mereenie Sandstone, 150.0 - 340.0mMD
- Indicative aquifer depth, 334.0 - 340.0mMD*
- Carmichael Sandstone, 340.0 - 404.0mMD
- Indicative aquifer depth, 356.0 - 413.0mMD*
- Upper Stairway, 756.0 - 811.0mMD
- Lower Stairway, 920.0 - 1007.0mMD
- P1, 1079.0 - 1187.0mMD
- P3, 1250.0 - 1332.0mMD

Known Anomalies

Basis for CTP level 2 / NOG117 yellow categorisation is that the production casing cement job demonstrates micro-annuli and is considered to be degraded. It should be noted that there is no evidence of surface casing pressure build-up.

Not to scale