

WELL OPERATIONS REPORT

PARAMOUNT ANADARKO BOVIE J-76

300/J-76-6020-12245/0

WELL ABANDONMENT

WID# 1931

OA# OA-2018-004-PAR

ACW# ACW-2018-009-PAR-WID1931

ABANDONMENT RIG RELEASE DATE: 02/24/2020

Summary of well operations:

A service rig and support equipment were moved to location on Feb. 8, 2020. Rig in was completed with required inspections and well control equipment pressure testing. A 177.8mm bridge plug was drilled out at 48 mKB. 73mm tubing was run to PBTD and the well was circulated over to clean, fresh water. The casing was pressure tested to 7 Mpa for 10 min. Wireline was rigged in and a cement bond log was run to confirm cement top. Casing was perforated from 300.0 – 301.0 mKB and circulation was established to surface. Circulate 177.8mm/244.5mm casing annulus to clean, fresh water. Set cement retainer above perforations and complete function and pressure tests. Conduct circulation cement squeeze through retainer and obtain 5m3 cement returns to surface. Rigged out all equipment and moved off location. Cut and cap completed after rig move.

See attachment for daily operations summary for details.

Problems Encountered:

- Annular preventer leaked through a missing port plug during low pressure pumping. Annular was replaced and tested satisfactorily.
- Incident occurred during the milling operation on the bridge plug. Trapped pressure under the plug caused a kick at surface. A worker was injured by an unsecured hose end. A bent tubing joint was removed and a snubbing unit was utilized to complete milling operations.

Description of completion fluid properties:

- Fresh water was used for all well operations during well abandonment.

- **Downhole Equipment used:**
- KAPPA 177.8mm 10K cement retainer (See Spec sheet attachment)
- Class G cement
- No tubulars were left in the well. Wellhead was removed during cut and cap operations
- Well is abandoned (See DH Schematic attachment)