

RESUME OF DRILLING OPERATIONS

East Mereenie No 4 was spudded at 8.30 pm on 24th April, 1967. 17½" hole was air drilled to 134'. A twist off (bottom of Kelly Saver Sub) occurred at 131'. Fish was recovered first run with overshot. 15½" conductor pipe was run and cemented to 134'. Drilled out using gas with 13¾" bits. Hole was gas drilled to 442' where dampness in hole necessitated change to gas mist drilling. Gas Mist 13¾" hole to 2205'. Gas mist drilled 9¾" hole to 2256'. Run and cemented 10¾" casing to 2203'. Drilled out using gas with 9¾" bits. 9¾" hole was gas drilled to 4117'. Open hole test were run at intervals through Stairway and Upper Pacoota formation. Well was killed with 10.2 lb/gallon salt water at 4117' after encountering flows of 5.5 Mm.c.f.g.d. Salt water drilled 9¾" hole to 4585', coring, testing and logging at selection intervals. Cross over sub in drill collars twist off at 4246', recovered fish first run with overshot. Hole conditions necessitated change to gel mud at 4584'. Hole was circulated until sufficient mud volume was built up. Salt was displaced with 11.3 lb/gallon, 45 viscosity gel mud. Pipe became stuck whilst circulating, conditioning mud, spotted water, pipe became free. 9¾" hole was drilled using gal mud to 5265'. Coring, testing and logging at selected intervals. 8⅝" casing was run and cemented to 5265'. Drill out using gas with 7⅞" bits. Hole damp; change to gas mist drilling. Gas mist drilled 7⅞" hole to 8484', coring at selected intervals. Influx water necessitated change to gas water drilling. Gas water drilled 7⅞" hole to 8656' filled hole with water. Water drilled 7⅞" hole to 8750' T.D. Mudded up hole with 10.4 lb/gallon, 42 viscosity gel mud. Ran final logs and plugged back hole to 4866'. Installed Xmas tree, released rig to standby midnight 4th July, 1967.


M0970020

I N T R O D U C T I O N

The East Mereenie No 4 well was the seventh well drilled on the Mereenie field by Exoil (NT) Pty Ltd, and its partners. The well was drilled on Oil Permit 43 issued by the Northern Territory of Australia to Magellan Petroleum (NT) Pty Ltd. Partners in the well with Exoil were Magellan Petroleum (NT) Pty Ltd, Farmout Drillers No Liability, Transoil (NT) Pty Ltd, and Krewliff Investments Pty Ltd.

The well was located on a crestal site 7800' north westerly of East Mereenie No 2, and was located to test two sandstone horizons of the lower Upper Pacoota within the oil column and as a test of the previously untested Cambrian section in the Mereenie Anticline.



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