

RESUME OF DRILLING OPERATIONS

Drilled 17½" hole with mud to 106 feet. Ran 13⅜" surface casing to 106 feet and cemented to surface. Drilled 12¼" hole to 1,019 feet with air. Ran Welex Induction Log, cut Core No. 3, 1,019 feet to 1,029 feet, and set 9⅝" casing to 1,019 feet. Drilled 8¾" hole with air to 1,306 feet. Moisture in hole prevented further dry air drilling. Mist-drilled 8¾" hole ahead to 2,074 feet. Released three small air-compressors and rigged 1,500 c.f.m., 3 stage Ingersoll-Rand primary compressor. Ran 6¾" Mission Hammerdril and drilled from 2,074 feet to 2,537 feet. Attempted to dry hole while drilling below 2,074 feet, unsuccessful, continued mist-drilling. At 2,537 feet, removed hammerdril, mist-drilled 8¾" hole to 2,638 feet, reran hammerdril due to slow penetration, mist-drilled 8¾" hole ahead to 2,674 feet, coring intermittently. Brief gas flare after trip at 3,092 feet. At 3,674 feet removed hammerdril, released Ingersoll-Rand Compressor for service at East Johnny's Creek No. 1, rigged up three Gardner-Denver 500 c.f.m. compressors and two Gardner-Denver boosters released from Palm Valley No. 1. Mist-drilled 8¾" hole to 4,520 feet. Ran Welex Induction Log and Gamma-ray log, unable to get Gamma-ray sonde to bottom. Cut bottom hole core to 4,535 feet total depth. Reran Gamma-ray sonde, unable to get to bottom. Filled hole with mud, made trip to condition hole. Unable to gain complete circulation and clean hole. Failed again to get Gamma-ray sonde to bottom. Ran three cement plugs and abandoned well.

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

Gosse's Bluff No. 1 is the fifth wildcat well drilled in the Amadeus Basin of the Northern Territory by Exoil (N.T.) Pty. Limited and its partners. The well was drilled on Oil Permit 43 issued by the Northern Territory of Australia to Magellan Petroleum (N.T.) Pty. Ltd. The operation was supervised by Exoil under a farmout agreement with Magellan. Partners with Exoil in the venture were Transoil (N.T.) Pty. Ltd. and Farmout Drillers N.L. Magellan was a 50% operating participant from 2,500 feet to 4,000 feet. The well was drilled in Gosse's Bluff, a unique circular surface structure 98 miles west of Alice Springs, to test Lower Ordovician marine rocks predicted at shallow depth, and with source and reservoir potential already proven in the area by previous drilling,

W E L L H I S T O R Y

GENERAL DATA:-

Well Name and Number: Gosse's Bluff No. 1

Location: 23°49'15" South; 132°18'0" East

Map Reference F53 - 13 Hermannsburg

Name and Address of Tenement Holder:

Magellan Petroleum (N.T.) Pty. Ltd.,
4th Floor,
Bowman House,
Edward and Adelaide Streets,
BRISBANE. QUEENSLAND.

Details of Petroleum Tenement:

Permit to Explore O.P. 43, Northern Territory

Area: 9,918 square miles

District: Alice Springs

Total Depth: 4,535 feet Driller

Date Drilling Commenced: 24th February, 1965

Date Drilling Completed: 27th March, 1965

Date Well Abandoned: 28th March, 1965