

SUMMARY OF DRILL STEM TESTS

Freeport Oil Company
State of New Mexico No. 1
West Garrett (Devonian) Field
Sec. 32, T-16-S, R-38-E
Lea County, New Mexico

Drill Stem Test No. 1

9365' to 9392'
September 11, 1970

10 Min. Preflow: 123-793#. Strong blow. No gas to surface.
60 Min. ISIP: 3442#
60 Min. Final Flow: 816-2738#. Strong blow. Open on 1/4" choke to pit. Began
to decrease toward end of test.
120 Min. FSIP: 3440#
IH/FH: 4214/4227#
Temperature: 145°F
Recovery: 180' drilling fluid, res. - .15 at 80°F, chlorides 12,000 ppm
6020' salty sulphur water, res. - .15 at 80°F, chlorides 27,000 ppm.
MFE Chamber: .1 cubic feet gas at 50 psi
2460 cc salt sulphur water, res. - .15 at 76°F, chlorides 27,000 ppm.

Drill Stem Test No. 2

9700-9853'
September 15, 1970

10 Min. Preflow: 1954-3206#. Strong blow, put on 1/4" choke. No gas to surface.
60 Min. ISIP: 3655#
54 Min. Final Flow: 3330-3657#. Strong blow decreasing to 0 in 44 minutes.
90 Min. FSIP: 3660#
IH/FH: 4332/4337#
Temperature: 148°F
Recovery: 367' of drilling fluid
7700' salty sulphur water
MFE Chamber: 0.2 cubic feet gas at 25#
2540 cc salty sulphur water, res. - .18 at 71°F, chlorides 19,000 ppm