

DRILL STEM TEST

MEXICO "J" WELL NO. 24

DRILL STEM TEST NO. 1 - 7568-7620':

5/8" BHC, 1" TNC. Tool open 4 hours with fair blow of air throughout test. No gas or fluid to surface. Pulled 3-1/2" OD drill pipe and recovered 50' of H<sub>2</sub>O/GCM. H.P. in 3583#, out 3555#. IFP 60#, FFP 80#. 20 minute buildup 90#.

DRILL STEM TEST NO. 2 - 7620-7700':

5/8" BHC, 1" TNC. Tool open 5 hours with good blow of air, gas to surface in 21 minutes, tested at rate of 606 MCF/day. Mud to surface in 45 minutes. Flowed to pits for 45 minutes to clean up and then turned to tanks. Next 3-1/2 hours flowed as follows:

First 30 minutes - 16 bbls. - Shakeout 25% mud.

Next hour - 22 bbls. Shakeout - 20% mud.

Next hour - 14 bbls. Shakeout - 6% mud.

Next hour - 8 bbls. Shakeout - 3% mud.

A total of 50.52 bbls. oil and 9.48 bbls. mud in 3-1/2 hours. Reversed out 10 bbls. oil. Pulled 3-1/2" OD drill pipe and had no show of water on top of tool. H.P. in 3600#, out 3570#, IFP 900#, FFP 1070#. 20 minute buildup 1760#.

DRILL STEM TEST NO. 3 - 7700-7800':

5/8" BHC, 1" TNC. Tool open 4 hours and 15 minutes. Gas to surface in 5 minutes, mud in 15 minutes, oil-out mud to pits in 20 minutes, mud-out oil to tanks in 35 minutes flowing as follows:

First hour - 26 bbls. shakeout 40% mud.

Next hour - 19 bbls. shakeout 25% mud.

Next hour - 20 bbls. shakeout 20% mud.

Next 40 minutes - 10 bbls. shakeout 20% mud.

Flowed a total of 53.85 bbls. oil and 21.15 bbls. mud in 3 hours and 40 minutes. Pressure on drill pipe behind chokes averaged 300#. Gas tested at rate of 3,555 MCF/day. Reversed recovery, very little fluid was in drill pipe due to the high volume of gas. No show of water on top of tool. API corrected gravity 41.5 deg. 3-1/2" D.P. H.P. in 3725#, out 3667#, IFP 1087#, FFP 1380#, 20 minute buildup 1906#.

DRILL STEM TEST NO. 4 - 8585-8700':

5/8" BHC, 1" TNC. Tool open 4 hours with fair blow of air throughout test. No gas or fluid to surface. Pulled 3-1/2" OD drill pipe and recovered 2300' of gas in pipe and 170' of H<sub>2</sub>O/GCM est 50% oil. No show of water. H.P. in 4285#, out 4200#, IFP 50#, FFP 75#, 20 minute buildup 165#.