

Skelly Oil Company  
Box 38  
Hobbs, New Mexico

SEE FORM C-105 ATTACHED

Mexico "J" Lse. Well No. 9 - Owned & operated by Skelly Oil Company

Located in NW/4 SE/4 Sec. 32-24S-38E, Lea County, New Mexico

REPORT OF DRILL STEM TEST

D.S.T. No. 1 - 3640-~~3490~~ 3840':

5/8" bottom, 1" top chokes, 3 1/2" drill pipe.

Tool open 3 hours with fair blow of air continued as fair blow. Fair blow of gas to surface in 1 hour, 45 minutes and continued as fair blow. Pulled drill pipe and recovered 275' of GCM and 400' of slightly O&GCM ~~xxx~~ est. 10% oil. No show of water. H.P. in 1725#, out 1645# F.P. 28-175#, 20-Minutes BU ~~22~~ 320#.

D.S.T. No. 2 - 6405-6600':

5/8" bottom 1" top chokes, 3 1/2" drill pipe.

Tool open 3 hours. Gas to surface in 48 minutes and continued as good blow through out test. Oil surfaced in 3 hours, 3 minutes, when tool was closed for BU. Reversed recovery of 6374' out of drill pipe of which 3187' (23.60 Bbls.) was estimated to be clean oil and 3187' of gas and drilling mud. No show of formation water. H.P. in 2950#, out 2915#, F.P. 270-1410#, 20-Min. SIBHP 2685#.

D.S.T. No. 3 - 6598-6761':

5/8" bottom, 1" top chokes, 3 1/2" drill pipe.

Tool open 4 hours with good blow of air. Good blow of gas to surface in 19 minutes which declined as a very weak blow at end of test. No fluid to surface. Pulled 3 1/2" drill pipe and recovered 180' of drilling mud and 1350' of HO&GCM, est. 50% oil. H.P. in 4090#, out 3800#, F.P. 90-410#, 15-Min. BU 1460#.

D.S.T. No. 4 - 6763'-6902':

5/8" bottom, 1" top chokes, 3 1/2" drill pipe.

Tool open 3 hours, 32 minutes. Good blow of air immediately. Gas to surface in 4 minutes, mud in 21 minutes, mud-cut oil in 23 minutes, clean oil to tank in 32 minutes and flowed a total of 159 Bbls. oil in 3 hours. Reversed 18 Bbls. oil out of drill pipe, no show of water. Gas tested at rate of 672 MCF/day. Corrected Gravity 40 Deg. H.P. in 3230#, H.P. out 3145#, F.P. 900-1420#, 20-Min. BU 1860#.

1. The first part of the paper discusses the importance of the study.

2. The second part of the paper discusses the methodology.

3. The third part of the paper discusses the results of the study.

4. The fourth part of the paper discusses the conclusions.

5. The fifth part of the paper discusses the implications.

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