

SKELLY OIL COMPANY

BOX 38

HOBBS, NEW MEXICO

SEE FORM C-105 ATTACHED

FEBRUARY 11, 1954

BUFFALO-STATE "C" WELL NO.1 - OPERATED BY SKELLY OIL COMPANY

LOCATED IN NE/4 SW/4 Sec. 18-~~25~~ 16S-35E, LEA COUNTY, NEW MEXICO

REPORT OF DRILL STEM TEST

D.S.T. No. 1 - 10,667-10,758'

Tool open 1 hour. Had slight blow for 3 minutes. Recovered 900' water blanket, 35' mud with trace of oil. F.P. 0#, SIP 0#.

D.S.T. No. 2 - 10,805-10,880'

Tool open 9½ Hrs. Gas to surface in 2 hours, 43 minutes. Had fair to good blow. Recovered 3150' gas in drill pipe, 1000' water blanket and 900' slightly gas & mud cut salt water with scum of oil. F.P. 668-3438 psi, 1-hour SIP 3508 psi.

D.S.T. No. 3 - 10,801-10,848'

Tool open 4 hours. Had weak blow. Recovered 1350' gas in pipe, 4' oil, 390' oil & gas cut water blanket, 360' gas cut water blanket, 250' gas cut & heavily mud cut water blanket and 90' drilling mud. F.P. 450-505#, 20-Min. SIP failed.

D.S.T. No. 4 - 11,058-11,076'

Tool open 3 hours. Gas in 7 minutes. Maximum gas 60 MCF, Minimum Gas 39.1 MCF. Pulled 3½" drill pipe and recovered 600' of gas cut mud and recovered 30' clean oil on top of tool. Corrected Gravity 43.0 Deg. Hyd. pressure in & out 5405#, I.F. 100#, F.F. 130#, 20-Min. SIP 1190#.

D.S.T. No. 5 - 11,140-11,249'

1" bottom, 1" top chokes, 3½" drill pipe. Tool open 4 hours with good blow of air immediately. Fair blow of gas to surface in 13 minutes which gradually declined to a weak blow and continued as weak blow throughout test. Pulled 3½" drill pipe and recovered 270' of drilling mud and 30' of gas-cut drilling mud. H.P. in and out 5500#, IFP 90#, FFP 90#, 20-Min. buildup 690#.

D.S.T. No. 6 - 11,378-11,416'

1" bottom, 1" top chokes, 3½" drill pipe, Tool open 3½ hours. Gas to surface in 6 minutes. Gas tested 43 MCF per day. No fluid to surface. Pulled drill pipe and recovered 840' clean oil and 30' slightly O&G.M. No water. H.P. in 5450#, H.P. out 5450#, F.P. 130-275#, 20-Min. buildup 2765#.

D.S.T. No. 7 - 11,428-11,537'

1" bottom, 1" top chokes. Tool open 2½ hours. Had light blow of air for 2½ hours and died. No gas or fluid to surface. Reversed out 180' of GCM, no show of oil or water. H.P. in and out 5600#, IFP 100#, FFP 100#, 20-Min. buildup, 300#.

D.S.T. No. 8 - 12,897-13,040'

5/8" bottom, 1" top chokes, 3½" drill pipe, 2010' water blanket. Tool open 4 hours with good blow of air. Gas to surface in 38 minutes, and continued as good steady blow during remainder of test. Gas tested 309.5 MCF per day. No fluid to surface. Pulled 3½" drill pipe and recovered 2010' water blanket and 930' of HGC drilling mud. No show of oil or water. H.P. in 6600#, H.P. out 6000#, IFP 1060#, FFP 1125#, 20-Min build up 4370#.

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