

Record of Drill Stem Tests

State JOT Well #2

- 3-12-49 3205' TD. Ran DST #1, packer at 3041'. Perforations 3042'-43', 3181'-3199' w/ 3/8" bottom and 5/8" top choke. Opened tool at 5:00 AM. Gas to top in 8 mins. Volume 43,600 cu. ft. per day, increased to 52,100 cu. ft. at end of 1st hour. Tool closed at 9:00 AM for 1/4 hour BUP, no fluid to surface, gas volume 52,989 cu. ft. Recovered 450' heavy gas cut drilling mud, no oil or water. Howco Hydro in 1850#, out - 1850#, flow press. -300#, 1/4 hour BUP - 700#. Amerada BT Chart Hydro in 2200#, out-1770# Flow press. 220#, 1/4 hour BUP -590#.
- 3-13-49 3280' TD Ran DST #2, packer at 3206' w/ 5/8" bottom and 1" top choke. Perforations 3207'-08' and 3265'-3274'. Tool opened at 2:04 PM, gas to surface in 9 mins., gas volume -35,860 cu. ft. per day. Tool open four hours, closed at 6:04 PM for 1/4 hour BUP. Recovered 250' gas cut drilling mud, no water, no oil. Howco: Hydro in 1700#, out 1800#, flow press. 200#, 1/4 hour BUP 500#, Amerada Chart: Hydro in 1695#, out 1695#. Flow press. 60#, 1/4 hour BUP -520#. On bottom and drilling at 9:00 PM.
- 3-14-49 3344' TD. Ran DST #3, packer set at 3280' w/ 5/8" bottom and 1" top choke. Perforations 3281'- 3282' and 3309'-3338'. Tool opened at 8:20 PM, gas to surface in 1 min., mud in 10 mins. Max. gas volume 1,072,400 cu. ft. per day. Tool open four hours, closed at 12:20 AM, recovered 40' heavy gas cut drilling mud. Howco: Hydro in 1900#, out 1900#. Flow press. 800#, no build up. Amerada: Hydro in 2500#, out 2450#, flow press. 700#. Failed to get build up.
- 3-15-49 3385' TD. Ran DST #4, packer set at 3343' w/ 5/8" bottom and 1" top choke. Perforations 3344'-3345' and 3374' -82'. Tool opened at 11:23 PM. Gas to surface in 20 mins., fair blow gas that decreased to light blow at end of test. Tool open four hours, closed at 3:23 AM. Recovered 90' gas cut drilling mud, 2430' sulphur water. Howco: Hydro in 1900#, out 1900#. Flow press. 900# to 1625#. No build up. Amerada : Hydro in 1840#, out 1840#. Flow press. 980#. No build up.
- 3-19-49 3575' TD. Ran DST #5, packer set at 3516' w/ 5/8" bottom and 1" top choke. Perforations 3517'-18' and 3547'-3569'. Tool opened at 10:00 AM. Gas up in 2 mins., mud in 8 mins., oil and water in 15 mins. Made 65.06 bbls. fluid average 96% water. Recovered 325' sulphur water, 10' water & oil, 50% each. Gas volume 462,800 cu. ft. per day. Howco chart failed to work. Amerada chart Hydro in 1880#, out 1865#. Flow press. 750# to 950#, 1/4 hour BUP 970#.
- 3-20-49 3600' TD. Ran DST #6, packer set at 3581' w/ 5/8" bottom and 1" top choke. Perforations 3582' to 3594'. Tool opened at 6:30 AM Gas up in 2 mins., mud in 15 mins., oil in 20 mins. Made 76.56 bbls. fluid. Gas volume 389,200 cu. ft. per day, GFR - 849. Recovered 625', 75% oil and 25% water, 250' sulphur water. Howco: Hydro in 2050#, out 2000#, flow press. 725# to 800#, 1/4 hour BUP 950#. Amerada Chart: Hydro in 1990#, out 1970#, flow press. 660# to 980# 1/4 hour BUP 980#
- 3-20-49 Ran Schlumberger Electrical Survey, Gamma Ray and Perma-log. Schlumberger checked bottom at 3600'.