

Report of Drill Stem Tests

J.R. Phillips Well #7

- 12-26-48 DST #1. From 5571' to 5700'. 7" OD Packer set at 5571' w/5/8" Bottom & 1" Top Choke. Perforations 5658' to 5671'. Tool open @ 9:00 A.M. gas to surface in 1 1/2 hrs. Very light blow of gas, thru out test, tool closed @ 1:00 P.M. Packer pulled loose @ 1:15 P.M. Recovered 210' Drlg. mud, heavily cut with sulphur water above tool, no oil, or oil cut mud. Amerada B.T. Chart. Hydro. in 2610#, out 2595#, Max. Flow 95#, Final flow 0#. 1/4 Hr. B.U.P. 0#
- 12-27-48 DST. #2. From 5653' to 5700'. 7" OD Packer set at 5653' w/5/8" Bottom & 1" Top Choke. Perforations 5678' to 5695'. Tool open at 11:30 A.M. Small blow of air when tool was opened, Gas up in 2 hrs. Tool closed 3:30 P.M. Small blow of gas thru out test, too small to measure, Packer pulled loose at 3:45 P.M. Recovered 50' Drlg. mud, cut with sulphur water and salt water, & 245' Sulphur & salt water. Total fluid 295' No oil. Amerada B.T. Chart Hydro. In 2570#, out 2550#, Flow pressure 0# to 160#, 1/4 Hr. B.U.P. 305#
- 1-20-49 DST #3. From 6981' to 7035'. 7" OD Packer set at 6981' w/5/8" Bottom & 1" Top Choke. Perforations 6982' to 6983' & 7010' to 7022'. Tool open at 5:20 A.M. With good blow of air, gas to surface in 3 minutes Gas Vol. 158,000 Cu. Ft. per day. Closed tool at 9:20 A.M. for 1/4 Hr. B.U.P. no fluid to surface, gas decreased to 141,000 cu. ft. per day. Recovered 190' drlg. mud, gas cut & Sulphur water, no oil. Howco Hydro. In. 3250# out 3240#, Flow Pressure 0#, No build up. Amerada B.T. chart hydro in 3550#, out 3550#, Flow pressure 0#, No build up.
- 1-24-49 DST #4. From 7174' to 7225'. Packer set at 7174' w/5/8" Bottom & 1" Top choke. Perforations 7177' to 7178' & 7206' to 7222' Tool opened at 6:10 A.M. Gas to surface in 8 minutes, Gas Vol. 42,500 Cu. Ft. per day. Closed tool at 10:00 A.M. for 1/4 Hr. B.U.P. Recovered 1170' dry pipe, 4260' mud and water cut with oil, 720' oil, Gty. 39.2 Corrected and 1075' salt water. Howco Hydro. in 3440#, Out 3460#, Flow pressure 0# to 1130#, failed on 1/4 Hr. B.U.P. Amerada B.T. Chart, Hydro. in 3390#, out 3360#, Flowing pressure 170# to 1205#, failed on 1/4 Hr. B.U.P.
- 1-30-49 DST #5. From 7469' to 7515'. Packer set at 7469' w/5/8" Bottom & 1" top choke. Perforations 7470' to 7471' and 7491' to 7512'. Tool open at 1:40 P.M. Gas to surface in 8 minutes and mud in 25 minutes, Oil up in 30 minutes. Flowed an estimated 18 bbls. oil to pit from 2:10 P.M. to 2:45 P.M. Turned to Tanks made 115.23 bbls. in 4 hrs. Gas Vol. 618,000 cu ft. per day G.O.M. 895. Closed tool at 6:45 P.M. for 1/4 hr. B.U.P. Packer pulled loose at 7:00 P.M. Made 8.97 bbls. while flowing down after tool closed. Recovered 642' clean oil, 90' oil mud cut, no water, Howco. Hydro. in 3500# out 3500#, Min. flow 1000# Max. flow 1300#, 1/4 Hr. B.U.P. 2450#, Amerada B.T. Chart. Hydro. in 3750# out 3700#, min. flow 980#, max. flow 980#, 1/4 Hr. B.U.P. 2520#
- 1-31-49 DST #6. From 7515' to 7560'. Packer set at 7515'. w/5/8" Bottom & 1" top choke. Perforations 7516' to 7517' & 7541' to 7554'. Tool opened at 9:58 P.M. with fair blow of gas to surface in 5 minutes, oil up in 1 hr & 45 minutes. Tool closed at 3:45 A.M. for 1/4 Hr. B.U.P. Made 35.19 bbls oil in 4 hrs. & 9.66 bbls. while bleeding down drill pipe. Gas Vol. 439,210 Cu ft. gas per day, GOR 979, Gty. 41.5 corrected. Recovered 720' oil, 270' Mud cut with oil, no water. Howco. Hydro. in 3575#, out 3575#, in. Flow 300# Max. flow 1025#, 1/4 hr. B.U.P. 2875#, Amerada B.T. Chart. Hydro. in 3795#, out 3795#, in. Flow 310# Max. flow 915#, 1/4 Hr. B.U.P. 2995#
- 2-1-49 DST #7. From 7560' to 7610' Packer set at 7560' w/5/8" Bottom & 1" Top p choke. Perforations 7561' to 7562' & 7587' to 7607'. Tool opened at 12:20 P.M. with medium blow of air, gas to surface in 1-1/4 Hrs. and continued through out remainder of test. Closed tool @ 4:20 P.M. for 1/4 Hr. B.U.P. Recovered 280' Drlg. mud, cut with sulphur water and gas Howco. Hydro. in 3600# out 3600#, in. Flow 0#, Max. Flow 0#, 1/4 hr. B.U.P. 920#, Amerada B.T. Chart. Hydro. in and out 3560#, Min. Flow 50#, Max. Flow 100#, 1/4 Hr. B.U.P. 910#

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