

DATERECORD OF DRILL STEM TESTS

- 4-13-47 Total depth 5274' Ran Drill Stem Test with Packer set at 5232', perforations 5267-71, 5/8" Bottom Choke, 1" Top Choke, opened tool at 7:10PM Slight blow air throughout test, no gas, closed tool at 11:10PM, recovered 2520' dry pipe, 90' mud out with sulphur water, 2664' of Sulphur water, Hydrostatic Pressure 2500#, flow pressure 0 to 1200#, 15 minutes build up pressure 1250#.
- 4-14-47 Total Depth 5312' Ran drill stem test with packer set at 5285' perforations 5286-5308, 5/8" Bottom Choke 1" Top Choke, opened tool at 7:30PM, very slight blow air throughout test, closed tool at 1:30AM recovered 1058 mud out with oil and sulphur water, 90' Sulphur water, no free oil, Hydrostatic pressure 2700#, Flow Pressure 0, 15 minutes build up pressure 700#. Water tested 52,000 PPM Chlorides with plenty Sulphur.
- 4-29-47 Total Depth 6636' Ran drill stem test with packer set at 6500', Perforations 6626-6632', opened tool at 10:45PM, Gas to top 4 mins Mud in 21 minutes, oil in 40 minutes, turned to tanks 11:30PM, first hour 5.50 bbls, 2nd hour 8.25 bbls, 3rd hour 11.00 bbls, 4th hour 5.50 bbls Total of 30.25 bbls 6/10% BS, no water, gravity 37.4 @ 50, corrected 38.7, gas volume 956M, per day, GOR 5247 closed tool at 3:45AM, recovered 330' oil, Hydrostatic Pressure 3300#, Flow Pressure 900#, 15 minutes build up pressure 2450#.
- 4-29-47 Total Depth 6636' ran drill stem test with packer set at 6588', perforations 6589-90, 6624-32, opened tool at 10:12AM, gas to top 20 minutes, quit flowing at 11:30AM and tool was closed, set until 1PM and opened up tool at 1PM, mud at 1:50PM, oil at 2PM, turned to tanks at 2PM, 1st hour 11 bbls, 2nd hr 4.81 bbls Total of 15.81 bbls, volume 640M per day, GOR 3368, closed tool at 4PM, recovered 690' Oil no mud or water, Hydrostatic Pressure 3500#, Flow Pressure 650#, 15 minutes build up pressure 2500#.
- 4-30-47 Total depth 6636' Ran drill stem test with packer set at 6601', perforations 6602-03, 6628-32, opened tool at 5:15AM, gas to top 4 minutes, mud and oil 45 minutes, turned to tanks at 7:15AM, first hour 4.81 bbls, second hour 12.38 bbls 1/2 hour 4.14 bbls, total of 21.33 bbls 2 1/2 hours, Volume 280M per day, GOR 1359, closed tool at 9:45AM, recovered 3396' oil, Hydrostatic Pressure 3425#, Flow pressure 600# to 800#, 15 minutes build up pressure 2350#.
- 4-30-47 6650' Total Depth, ran drill stem test with packer set at 6636' Perforations 6640-46, opened tool at 12:40AM, Gas to top 6 mins, gas volume 232M per day, no oil closed tool at 4:40AM, recovered 500' Oil, 100' mud about 1/3 oil out, Hydrostatic Pressure 3250#, Flow Pressure 0, 15 minutes build up pressure 2500#, gravity oil 36.2 @ 64, corrected 35.9.
- 5-1-47 6686' Total Depth, ran drill stem test with packer set at 6649', Perforations 6652-53, 6681-82, opened tool 10:15PM, Gas to top 30 minutes, no oil or mud, closed tool at 2:15AM, recovered 300' drilling mud slightly out with oil and gas (Salty taste) and 30' out with ~~water~~ mud, water tested 73,000 PPM Chlorides, Hydrostatic pressure 3300#, Flow Pressure 0, 15 minutes build up pressure 1775#.

DEVIATIONS TESTS

|       |              |
|-------|--------------|
| 200'  | Straight     |
| 444'  | Straight     |
| 600'  | 1 degree     |
| 870'  | 1 1/2 degree |
| 1114' | Straight     |
| 1478' | 1 1/2 degree |
| 1813' | Straight     |
| 2238' | Straight     |
| 2482' | 1 degree     |
| 2753' | Straight     |
| 3005' | Straight     |
| 3214' | Straight     |
| 3660' | Straight     |
| 4057' | Straight     |
| 4300' | Straight     |
| 4737' | 1 degree     |
| 5230' | 1 degree     |
| 5619' | Straight     |
| 5890' | 1 degree     |
| 6028' | Straight     |
| 6549' | Straight     |

