

### RECORD OF DRILL STEM TESTS

- 11-11-47 5279' Total Depth. Ran DST with Packer set at 5260', 5/8" bottom choke and 1" top choke, Perforations at 5262'-5276'. Tool open at 7:56AM and closed at 9:15AM for 15 minute build up pressure at end of 2 hour and 19 minute test. Recovered 40' of drilling mud and 1 gal. free oil, no water, no gas. Flow pressure 0#, build up pressure 0#, Hydro pressure 2500#. Ran Second DST at 5279' TD. Packer at 5230', 5/8" bottom choke and 1" top choke, perforations at 5231'-32', 5262'-76'. Tool open at 11:08PM with very slight blow of air for 1 hour and 30 mins. Tool closed at 1:38AM for 15 min. build up at end of 2-1/2 hr. test. Recovered 10' mud and show of oil, 1/2 pint. Flow pressure 0#, build up pressure 0#, Hydro. pressure 2600#. Amerada Bomb: 20#, build up 35#, Hydro 2435# in and out.
- 11-17-47 5675'-TD. Ran DST with Packer at 5645', 5/8" bottom choke and 1" top choke, perforations at 5646' to 5672'. Tool open at 2AM with slight blow of air for 1 1/2 hrs. Tool closed at 4:30AM for 15 min. build up at end of 2 1/2 hr. test. Recovered 60' mud, 180' muddy water. Flow press. 100#, build up press. 1600#, Hydro press 2800#. Amerada Bomb: flow press.-38#, Build up press. 1562#, Hydro press 2857# in, 2769# out.
- 11-18-47 5742' Total Depth. Ran DST with packer at 5715', 5/8" bottom and 1" top chokes, perforations: 5716'-5739'. Tool open at 2:15PM with immediate blow of air that continued through 4 hour test. Closed tool at 6:15PM for 15 min builduP. Recovered 120' of gas cut mud. Flow pressure 80#, build up pressure 0#, Hydro pressure 2800#.
- 12-8-47 6912' Total Depth. Ran DST with packer at 6867', 5/8" bottom choke and 1" top choke, perforations 6868'-69', 6896'-6909'. Tool open at 7:40PM with good blow of air immediately that continued throughout 4 hr. test. Tool closed at 11:40PM for 15 min build up press. When 1000' of drill pipe out, was odor of gas. Recovered 1110' of mud heavily cut with oil and gas. Drill pipe unloaded and left 12 stands dry with 30' of sulphur water in bottom. Flow pressure 50# to 600#, 15 min build up pressure 1550#, Hydro pressure 3300#.
- 12-13-47 7075' Total Depth. Ran DST with packer at 7046', 5/8" bottom choke and 1" top choke, perforations 7047' to 7072'. Tool open at 6:09AM with very light blow of air immediately that stopped at 11 minutes. Tool closed at 7:50AM for 15 min. build up. Recovered 10' drilling mud, no show of oil, gas or water. Hydro pressure 3400#, no flow, no build up pressure.
- 12-14-47 7101' Total Depth. Ran DST with packer set at 7059' with 5/8" bottom choke and 1" top choke, perforations at 7060'-61, 7090'-98', opened tool at 3:45PM slight blow of air for 10 mins. and stopped, closed tool at 5PM, recovered 10' drilling mud. Hydro press. 3400#, Flow pressure 0#, no build up pressure.
- 12-17-47 7225' Total Depth. Ran DST with packer at 7100', 5/8" bottom choke and 1" top choke, Perforations at 7101'-02', 7219'-22', Opened tool at 4:40PM small blow of air 15 mins. and died, closed tool at 6:10PM. Recovered 45' drilling mud, Hydro press 3500#, No flow pressure or build up press.
- 1-1-48 7774' Total Depth, Ran DST with packer at 7725', 5/8" bottom choke and top choke, perforations 7727'-7728', 7755'-7771'. Tool open at 5:00AM, with fair blow of air immediately that decreased about 90% in first hour and quit entirely at 6:30AM. Tool closed at 7:30AM for 15 min. build up. Recovered 80' slightly oil cut mud. Hydro pressure 3670#, flow pressure 60#, 15 min build up pressure 140#.