8-16-47 #12 7043' total depth, ran drill stem test with packer set at 6976, preforations 6976-77, 7033-41, 5/8" bottom and 1" top choke, opened tool at 1;58PM, gas in 4 minutes and mud in 5 minutes, first hour 1,890M, second hour 1,650M, closed tool at 3;58PM for ½ hour build up, recovered 15' clear distallate, Hydrostatic pressure 3400#, flow pressure 900# to 700#, 30 minutes build up pressure 2400#, top pressure at start 200# and at end 100#,

8-17-47 #13 7070' total depth ran drill stem test with packer se6 at 7043', perforations at 7044-68, 5/8" Bottom and 1" top choke, opened tool at 4;30PM, gas to sur - face in 3 minutes , gas volume 337M per day, closed tool at 7;30PM for 15 minutes build up pressure, recovered 200' of gas cut mud, Hydrostatic pressure3400#, flow pressure 100#, 15 minutes build up pressure 2700#.

8-18-47 #14 7100' total depth ran drill stem test with packer set at 7070', perforations 7071 to 7098, 5/8" bottom and 1" top choke, opened tool at 3;20PM, gas to sr surface in 7 minutes, meter reading first half hour 20M per day, at first hour 4,848M per day, after 2 hours very slight blow, not enough to register on meter, after 3 hours could hardly notcie gas, tool closed at 6;20PM for 15 m minutes build up pressure, Recovered 120' oil and gas cut mud, 90' clean oil, gravity 34.9 corrected, Hydrostatic pressure 3500#, flow pressure 100#, no build up pressure

8-19-47 #15 7140' total depth, ran drill stem test with packer set at 7100', perforations at 7100-01, 7130-38, 5/8" bottom and 1" top choke, opened tool at 4;35AM, with good blow of air that gradually decreased for 15 minutes and stopped, tool open 1½ hours, to 6;05PM, shut in for 15 minutes for build up, reopened tool with small blow of air that stopped in 3 minutes and tool closed, recovered 30' drilling mud, Hydrostatic pressure 3500#, No flow pressure, and no build up pressure.

8-20-47 #16 7190' total depth, ran drill stem test with packer set at 7140', perforations 7170 to 7186, 5/8" Bottom and 1" top choke, opened tool at 9;15PM, with blow of air immediately, open 4 hours to 1;15AM, and closed for 15 minutes build up, recovered 60' drilling mud with odor of gas in drill pipe, Hydrostatic pressure 3500#, flow pressure zero, 15 minutes build up pressure 200#.

8-22-47 #17 7262' total depth, ran drill stem test with packer set at 7190', preforations 7190-91, 7246 to 7258', 5/8" Bottom and 1" top choke, opened tool at 3;40AM, immediate blow of air, gas to surface in 4 minutes, steady blow for 1 hour and 55 minutes at daily rate of 417M, then made head of gas with oil cut mud, for 20 minutes, gas volume settled on 256M per day, at 7AM tool was open 3 hrs 20 minutes and started flow oil at 7;55AM gas at rate of 120M per day first hour 9.66 bbls, 5% BS&Mud, second hr 2.76 bbls 4/10% Water, 1% mud, third hour 2.76 bbls 5/10% Water 1 4/10% Mud, 3½ hours 1.38 bbls 4/10% Water, 1% mud, total of 16.56 bbls gas oil ratio 2122, water tested 53,000PPM chlorides closed tool at 11;25AM for 15 minutes build up pressure, recovered 1860' Oil, 240' Salt water, Hydrostatic pressure 3550#, Flow pressure 550#, 15 minutes build up pressure 1700#, gravity of oil 36.9 corrected, tool open 7 3/4 hrs.

8-23-47 #18 7292' total depth, ran drill stem test with packer set at 7262', perforations at 7265-7292', 5/8" bottom and 1" top choke, opened tool at 12;04PM with light blow of air for 15 minutes, tool closed at 1;24PM for 15 minutes build up, recovered 20' drilling mud, no show of oil, gas or water, Hydrostatic pressure 3600#, no flow pressure or build up pressure

8-24-47 #19 7318' total depth ran drill stem test with packer set at 7262', perforations at 7264-65, 7298 to 7318', 5/8" Bottom and 1" top choke opened tool at 8;32A with very light blow of air for 10 minutes, tool closed at 10;02AM for 15 minutes build up pressure, opened tool again for 15 minutes and got very light blow of air, closed tool, recovered 20' drilling mud, no show of oil, gas or water, Hydrostatic Pressure 3700#, flow pressure zero, 15 minutes build up pressure zero.

8-27-47 #20 7550' total depth, ran drill stem test with packer set at 7484', perforations at 7484-85,7540-7547, 5/8" bottom and 1" top choke, opened tool at 10;45AM with gas to surface in 3 minutes, steady blow of gas at rate of 8,436M per day, tool opened 4 hours to 2;45AM and closed for 15 minutes build up pressure recovered 200' of oil and gas cut mud heavily cut with oil, Hydrostatic Pressure 3700#, Flow pressure 200#, 1t minutes build up pressure 600#.

8-30-47 #21 7688' total depth, ran drill stem test with packer set at 7646', Perforations at 7646-47', 7677-7686', 5/8" bottom and 1" top choke, opened tool at 5;35AM gas to surface in 4 minutes, at rate of 16,790 per day, tool closed at 9;35AM for 15 minutes build up pressure, pulled one single of drill pipe and made head of oil and gas for 4 minutes, put on Howco head and bled off gas for ½ hour, pulled 12 stands and well made head of oil and gas, for 3 minutes, pulled 39 stands and well made head of oil and gas for 5 minutes, bled off gas for ½ hour, recovered 350' of 37 gravity oil 100' of heavity cut oil and gas cut mud, Hydro press. 3900#, Flow press 400-900#, build up press. 1900#

[illegible]

[illegible] 2000 BWH per day, closed tool at 79[illegible] [illegible] recovered 60' of [illegible] mud, hydrostatic pressure 2140#, flow pressure 1000, 15 minute [illegible] pressure 2700#.

[illegible] 7420' [illegible] 7970' [illegible] gas to surface [illegible] water [illegible] first hour [illegible] motor, after [illegible] tool closed at [illegible] minute build up pressure, recovered [illegible] gas cut [illegible] gravity [illegible] corrected, hydrostatic pressure [illegible], flow pressure [illegible] build up pressure

[illegible] 7440' total depth, ran drill stem test [illegible] 7/8" bottom [illegible] tool at [illegible], with good blow [illegible] stopped, tool open [illegible] with small blow [illegible] recovered [illegible] drilling mud, hydrostatic pressure [illegible] pressure.

[illegible] 7490' total depth, ran drill stem test [illegible] perforations 7470 to 7485, 5/8" bottom [illegible] 1" top [illegible], tool at [illegible], with [illegible] of air [illegible], open [illegible] closed [illegible], recovered 60' drilling mud [illegible], pressure [illegible], flow pressure zero, [illegible] build up pressure [illegible].

[illegible]