

4. 21-37
- DST #1: 5702 - 6012' (310' Blinberry Dolomite). Tool open 55 minutes thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow throughout test. Gas to surface in 16 minutes. Flowed dry gas at rate of 158 MCF/D. Recovered 1170' (8.19 bbls.) slightly gas out mud. FHP 400 - 650 psi. 15 minute SIEHP 2100 psi. HNH 2850 psi. Positive Test.
- DST #2: 6169 - 6442' (273' Tubb Dolomite). Tool open 30 minutes through 5/8" BC & 1" TC on 3 1/2" DS. Gas to surface in 17 minutes. Volume TEST. Recovered 290' (1.45 bbls.) gas out mud. FHP 200 - 250 psi. 30 minute SIEHP 1950 psi. HNH 3050 psi. Positive Test.
- DST #3: 6515 - 6718' (203' Brinkard Dolomite). Tool open 1 1/2 hours through 5/8" BC & 1" TC on 3 1/2" DS. Fair blow throughout test. Gas to surface in 20 minutes. Recovered 20' (0.014 bbls.) gas out mud and 1350' (8.64 bbls.) very heavily OACGM est. 40 - 50% oil. FHP 250 - 800 psi. 15 minute SIEHP 1600 psi. HNH 3275 psi. Positive Test.
- DST #4: 7031 - 7330' (299' Abo Dolomite). Tool open 2 hours through 5/8" BC & 1" TC on 3 1/2" DS. Immediate moderate air blow. Gas to surface in 1 hour & 55 minutes. Recovered 650' (4.13 bbls.) OGM w/slight trace of oil. FHP 150 - 325 psi. 30 minute SIEHP 2375 psi. HNH 3280 psi. Positive Test.
- DST #5: 7945 - 8050' (105' McKee Sand). Tool open 2 hours through 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately decreasing to weak at end of test. Gas to surface in 6 minutes, TEST. Recovered 5610' (39.27 bbls.) oil. Gravity 44.2° API. 1050' (7.35 bbls.) salt water cut oil & 540' (3.78 bbls.) salt water. Water titrates 90,000 ppm chlorides. FHP 1550 - 2525 psi. 15 minute SIEHP 2625 psi. HNH 3975 psi. Positive Test.
- DST #6: 7952 - 8005' (53' McKee Sand). Used Johnson straddle packer assembly. Tool open 2 1/2 hours thru 5/8" BC & 1" TC on 3 1/2" DS. Very strong blow immediately, decreasing to weak surging blow after 1 hour which remained throughout test. Gas to surface in 3 minutes, mud in 37 minutes. Heads of mud remainder of test. Broke circulating sub and reversed recovery, which was estimated to be 600' (4.2 bbls.) gas out salt water, 1650' (11.55 bbls.) heavily gas out oil - salt water emulsion (75% oil & 25% water), 5100' (35.7 bbls.) oil, gravity 43.9° API & 570' (3.99 bbls.) heavily oil & gas out mud. FHP 1950 - 2575 psi. SIEHP failed. HNH 4150 psi. BHP charts indicated effective isolation of zone between packers. Positive Test.
- DST #7: 8175 - 8221' (46' Connell Sand). Tool open 1 1/2 hours thru 5/8" BC & 1" TC on 3 1/2" DS. Strong blow immediately decreasing to very weak in 45 min. which lasted remainder of test. Gas to surface in 6 min. Recovered 120' (0.84 bbls.) mud, 240' (1.68 bbls.) oil - mud emulsion (70% oil & 30% mud) & 1050' (6.22 bbls.) salt water (cut 10% oil near top grading to clean salt water near base). Salt water titrated 89,600 ppm chlorides. FHP 300 - 300 psi. 15 minute SIEHP 1500 psi. HNH 4100 psi. Positive Test.
- DST #8: 8240 - 8280' (40' Ellenburger Dolomite). Tool open 1 1/2 hours thru 5/8" BC & 1" TC on 3 1/2" DS. Weak blow throughout test. Gas to surface in 50 min. Recovered 240' (1.3 bbls.) OACGM. Recovery mud filtrate titrated 2000 ppm chlorides; pit mud filtrate titrated 3500 ppm chlorides. FHP 0 psi. 15 minute SIEHP 1900 psi. HNH 3900 psi. Positive Test.

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10000 - 8000 (35' water level). Used Johnson straddle packer assembly. 10000
Open 2 1/2 inch thru 2 1/2 inch at 10000. Very strong blow landed
suddenly, decreasing to zero during blow after 1 hour which remained through-
out rest. Air in surface in 5 minutes, and in 17 minutes. Heads of mud
remained on test. Broke cementing and reversed recovery, which was
estimated to be 800, (4.5 gals.) gas and water, (11.33 gals.)
heavily gas and oil - salt water emulsion (75% oil & 25% water), (11.33 gals.)
oil, gravity 45.5, (5.75 gals.) heavily oil & gas and mud.
From 10000 - 8000 feet. 10000 feet. 10000 feet. 10000 feet. 10000 feet.
deduction estimate. 10000 feet. 10000 feet. 10000 feet. 10000 feet.
Positive Test. 10000 feet. 10000 feet. 10000 feet. 10000 feet.

Recovery and filtrate started 2000 gpm
chloride; air and filtrate started 2500 gpm chloride. With 2 gal. 15
chloride 1500 gal. With 2500 gal. Positive test.