

J. R. PHILLIPS NO. 9

Drill Stem Test #1 from 5170' to 5210', $2\frac{1}{2}$ hr. test, $4\frac{1}{2}$ " drill pipe, 1" bottom & $\frac{5}{8}$ " top chokes. Opened tool at 11 AM with good blow of air immediately, gas to surface in 3 minutes, fluid to surface in 11 minutes. Flowed to pits for 19 minutes, then turned to tank. Flowed 69.11 bbls. oil, .13 bbls. mud & .76 bbls. water in 2 hrs., gravity of oil 42.0 corrected, gas volume 740,000 cfpd, drill pipe pressure 165#, GOR 892. Closed tool at 1:30 PM. Reversed out 18 bbls. oil & 3 bbls. water above TC valve & 90' of oil and no water below TC Valve. Hydro in 2375#, out 2342#, initial flow pressure 685#, final pressure 922#, $\frac{1}{4}$ hr. build up 1192#.

Drill Stem Test #2 from 5582' to 5615', 4 hr. test, $4\frac{1}{2}$ " drill pipe, $\frac{5}{8}$ " bottom & 1" top chokes. Opened tool at 9:09 PM with fair blow of air. Gas to surface in 1 hr. & 31 minutes, no fluid to surface. Gas volume too small to measure. Closed tool at 1:09 AM. Recovered 180' mud cut an estimated 20% oil, 70' free oil, gravity 41.7 corrected & 20' sulphur water. Hydro in 2470#, out 2515#, initial flow pressure 35#, final flow pressure 95#, $\frac{1}{4}$ hr. build up 335#.

Deviation Surveys:

290' - straight
756' - $\frac{1}{4}$ degree
971' - $\frac{3}{4}$ degree
1280' - $\frac{1}{4}$ degree
1560' - $\frac{1}{4}$ degree
2080' - $1\frac{1}{4}$ degree
2300' - $1\frac{1}{2}$ deg.
2550' - 1 deg.
2860' - $\frac{3}{4}$ deg.
3125' - $\frac{1}{2}$ deg.
3280' - $\frac{1}{4}$ deg.
3730' - $1\frac{3}{4}$ deg.
3980' - $2\frac{3}{4}$ deg.
4260' - 3 deg.
4510' - $2\frac{1}{4}$ deg.
4845' - 2 deg.
5460' - $2\frac{3}{4}$ deg.
5610' - $3\frac{1}{2}$ deg.
5675' - $3\frac{1}{4}$ deg.

