

L. W. WARD WELL NO. 5 - WELL RECORD

TOTCO SURVEYS:

145 - 3/4 degrees	6765 - 1-1/4 degrees
300 - 1	6960 - 3/4
645 - 3/4	7095 - 1-1/4
1000 - 1/4	7260 - 1-1/2
1445 - 1/4	7420 - 1-1/2
1710 - 1/4	7522 - 1-3/4
1960 - 1/4	7680 - 2
2300 - 1/2	7785 - 2
2600 - 1	7982 - 1-3/4
2860 - 1	8180 - 1-3/4
3243 - 3/4	8340 - 1-3/4
3614 - 3/4	8500 - 2
3920 - 1	8640 - 2
4450 - 1	8745 - 2
4740 - 1/4	8825 - 2
4904 - 1/2	8895 - 2-1/4
5100 - 3/4	8945 - 2
5300 - 1/2	9035 - 1-1/2
5511 - 1/2	9235 - 1-1/2
5765 - 1-1/4	9283 - 1-1/2
5888 - 3/4	9320 - 2-1/2
6150 - 3/4	9380 - 1-3/4
6340 - 3/4	9445 - 1-1/2
6545 - 1-1/4	9553 - 1-1/2

DRILL STEM TESTS:

DST #1, from 9420 to 9614', 4 hr. test, 4" drill pipe, 5/8" bottom & 1" top chokes. Opened tool with weak blow of air which continued throughout test. No gas or fluid to surface. Recovered 9079' dry pipe & 95' slightly gas cut mud from above TC Valve. Recovered 246' slightly oil & gas cut mud, estimated 15% oil, from below TC Valve. No show of water. Hydrostatic pressure in 4605#, out 4535#. Initial flow pressure 70#, final 165#. 1/4 hr. buildup 240#.

DST #2, from 9614 to 9645', 1 hr. test, 4" drill pipe, 5/8" bottom & 1" top chokes. Opened tool with very weak blow of air which died in 5 minutes. Closed & re-opened tool with very weak blow of air which died in 4 minutes. Recovered 9586' dry pipe & 28' mud. No show of oil, gas or water. Hydrostatic pressure in 4660#, out 4600#. Initial & final flow pressure 30#. 1/4 hr. buildup 30#.

DST #3, from 9624 to 9660', 4 hr. test, 4" drill pipe, 5/8" bottom & 1" top chokes. Opened tool with strong blow of air. Gas to surface in 5 minutes, gas volume in 1 hr.- 38,100 CFPD, in 2 hrs.- 17,200 CFPD, in 3 hrs.- 8,340 CFPD & at end of test- too weak to measure. Recovered 2162' gas in drill pipe. Well unloaded 6706' oil with 2% BS & 2.9% salty sulphur water. Recovered 480' mud with oil, gas & salty sulphur water (estimated 1% oil). Recovered from below TC Valve- 276' oil with .4% salty sulphur water. Hydrostatic pressure in 4785#, out 4725#. Initial flow pressure 295#, final 970#. 1/4 hr. buildup 1225#.

