

RECORD OF DRILL STEM TESTS

Graham State "F" Well No. 5 in SE SE of Sec. 36, T 19 S,

R 36 E, N. M. P. M., Undesignated Field, Lea County.

Drill Stem tests were as follows:

March 26, 1948 - DST @ TD 5270' w/5½" packer set @ 5211' (5/8" SS & 1" choke). Halliburton tool open 1½ hrs w/15 min BU. No gas or oil to surface. Recovered 60' sulphur water in 4½" DP & 150' in 4-3/4" drill collars. FP 0, BUP 1400#, HSP 2275#.

March 25, 1948 - DST @ TD 5210' w/5½" packer set @ 5145'. Halliburton tool open ½ hr w/10 min BU (5/8" SS & 1" S choke). Recovered 10' drilling mud in 4-3/4" drill collar. FP 10#, BUP 0, HSP 2335#.

April 2, 1948 - DST @ TD 5683' w/5½" packer set @ 5625' (5/8" SS & 1" S choke). Halliburton tool open 1 hr w/15 min BU. No gas to surface. Recovered 65' oil and gas-cut mud in 4-3/4" drill collars. FP 50#, BUP 155#, HSP 2500#.

April 5, 1948 - DST @ TD 5803' w/5½" packer set @ 5785' (5/8" SS & 1" S choke). Halliburton tool open 1 hr w/15 min BU. No gas or oil to surface. Recovered 780' of sulphur water in 4½" DP. FP 400#, BUP 2300#, HSP 2700#.

April 15, 1948 - DST @ TD 6281' w/7½" packer set @ 6186' (5/8" SS Choke and 1" S choke). Halliburton tool open 1 hr w/15 min BU. No oil or gas to surface. Recovered 1023' drilling fluid and 3069' sulphur water in 4½" DP. FP 805#, to 1960# - BUP 2300# - HSP 2830#.

April 29, 1948 - DST @ TD 7277' w/7½" packer set @ 7160'. Halliburton tool open 1 hr, 38 min (5/8" SS & 1" S choke). 209,780 CF gas to surface in 7 min, increased to 267,620 CF @ end of test. Recovered 90' oil and gas-cut mud and 480' of 41 gravity oil in 4½" drill pipe. FP 400#, BUP 2500#, HSP 3400#.

May 1, 1948 - DST @ TD 7375' w/7½" packer set @ 7276' (5/8" SS choke & 1" S choke). Halliburton tool open 2 hrs w/15 min BU, 10,380 CF of gas to surface in 18 min, increased to 16,890 CF @ end of test. Recovered 90' oil and gas-cut mud in 4½" DP. BUP 700#, FP 175#, HSP 3475#.

May 10, 1948 - DST @ TD 7761' w/7½" packer set @ 7716' (5/8" SS & 1" S choke). Halliburton tool open 1 hr w/15 min BU. No oil or gas to surface. Recovered 90' of slightly gas-cut mud and 3690' sulphur water in 3½" drill pipe. FP 1400#, BUP 2950#, HSP 3600#.

May 22, 1948 - DST @ 8300' w/7½" packer set @ 8249'. Halliburton tool open 1 hr w/15 min BU. No oil or gas to surface. Recovered 120' drilling fluid in 3½" DP & 150' drlg fluid in 4-3/4" drill collars w/stain of oil on top of fluid. FP 0, BUP 2900#, HSP 3900#.

July 18, 1948 - DST with Halliburton hook-wal packer set in 7" casing @ 9737' (5/8" SS and 1" surface choke). Tool open 1½ hrs with 15 min BU. Gas to surface in 4 min, mud in 9 min. Gas measured 14,000 MCF by Pitot tube. Produced approximately 1½ bbls distillate in 1 hr. FP 3100 to 3350#, BUP 3550#, HSP 4200#.