

LOG OF OIL OR GAS WELL

THE BUREAU OF MINERAL INVESTIGATION

GEORGETOWN, MARYLAND

JANUARY 1955

Set Baker Model "K" Bridging Plug at 3588' and perforated 8-5/8" OD casing 3560-3574'. Fractured through 8-5/8" OD casing perforations 3560-3574' with 6000 gals. by Dowell sandfrac process. Well flowed 53 Bbls. oil in 7 hours through 26/64" and 20/64" choke. Well was then completed and placed on production schedule effective Jan. 26, 1955, at a top allowable of 41 BOPD.

Fractured open hole section 3620-3620' with 10,000 gals. by Dowell sandfrac process. Well then tested at rate of 3.58 Bbls. fluid per hour, shutout averaged 20.15 and formation water. OIL OR GAS SANDS OR CONES

Drilled to 12,275' and took D.S.T. 12,126-12,275' and recovered no oil or gas in commercial quantities. Ran 128 sacks cement and plugged well from 11,764'-11,808'. Took D.S.T. 8605-8695' and recovered no oil or gas in commercial quantities. Ran 145 sacks cement mixed with 700# sand and plugged well from 11,764'-11,808'. Took D.S.T. 8605-8695' and recovered no oil or gas in commercial quantities. Filled hole with heavy mud from 8608' to 8600'. Spotted 50 sacks cement at 8600' and filled hole to 8437'. Filled hole from 8437' to 5100' with heavy mud. Spotted 50 sacks cement at 5100' and filled hole to 4937'. Filled hole from 4937' to 4250' with heavy mud. Spotted 165 sacks cement mixed with 1300# sand at 4250' and filled hole to 3710'. Drilled out cement from 3710' to 3820'.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

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WINDING AND CEMENTING RECORD

PUMP AND CEMENTING

CLOGGING RECORD

TOOL JOBS

DIPS

D.S.T. No. 5 - 8605-8695'. Tool open 6 hours. Had fair blow of gas to surface in 21 minutes which gradually declined to a very weak blow at end of test. No fluid to surface. Reversed out 23 Bbls. gas cut drilling mud and 3 Bbls. oil and gas cut mud, est. 1.0 oil. Pulled 3 1/2" OD drill pipe and recovered 30' of oil and gas cut mud below circulating sub. est. 1.0 oil, no water. Hyd. pressure in 4200#, out 4100#, F.P. 225', failed on buildup.

D.S.T. No. 4 - 11,540-11,764'. Tool open 5 hours with strong blow of air that gradually weakened and died after 4 hours and 2 minutes. No gas or fluid to surface. Reversed out 75 Bbls. salt water. No show of oil or gas. Pulled 3 1/2" OD drill pipe and recovered 30' of salt water. No show of oil or gas below circulating sub. Hyd. pressure in 5645#, out 5595#, F.P. 530-4955#, 20-min. buildup 4965'.

D.S.T. No. 3 - 12,126-12,275'. Tool open 6 hours. Gas to surface in 5 minutes and tested at rate of 250 MCFPD and declined to 54.2 MCFPD after 30 minutes. At end of test gas tested 23.1 MCFPD. No fluid to surface. Reversed out 2 Bbls. gas cut drilling mud and 27 1/2 Bbls. salt water. Pulled 3 1/2" OD drill pipe and recovered 150' of salt water below circulating sub. No show of oil. Hyd. pressure in 6000#, out 5975#, IFP 550#, F.P. 1600#, 20-minute buildup 3850#.

D.S.T. No. 2 - 12,081-12,125'. Tool open 6 hours with strong blow of air. Gas to surface in 5 minutes. Gas tested at rate of 400 MCFPD during first hour. Next hour gas tested 300 MCFPD. Last hour gas tested 5 MCFPD. No fluid to surface. Reversed out 100' of gas cut drilling mud. Pulled 3 1/2" OD drill pipe and recovered 18' of gas cut drilling mud below circulating sub. Hyd. pressure in 5785#, out 5725#, F.P. 115-175#, 20-minute buildup 585#.

D.S.T. No. 1 - 8692-8810'. Tool open 3 hours. Fair blow of gas to surface in 33 minutes. Gas estimated at rate of 75 MCFPD, but decreased slightly at end of test. No fluid to surface. Reversed out 300' of slightly oil cut and gas cut mud, est. 1.0 oil. Pulled 3 1/2" OD drill pipe and recovered 30' of clean oil, no water on top of tool. Hyd. pressure in 3179#, out 3135#, F.P. 235-505# 20-minute buildup 775#.

FORMATION RECORD—Continued