

Well No. 0-31 Lease Barker 4 Township 27-S Range 18-E

Location 175' West, 1560' S of Center County Neosho Kansas

Date Completed March 26, 1952 Drilling Contractor Mayfield & Sutcliffe

Casing 10" at 22' Casing 8" at 203' Casing 7" at 580'

Original T.D. 767 $\frac{1}{2}$  Cored 722' to 766' T.O.S. 728.9'

B.O.S. 748.1' Net Feet of Pay 19.0' Plug Back 747'

Cement On Packer 10 sacks Seating Nipple On packer

Packer 730' Kind Rag Size

Tubing 730' plain Liner Anchor Below Packer None

1" Tubing Rods Pony Packer

Barrel Kind Size

Type Unit Churchill Motor 1 $\frac{1}{2}$  hp. Well Power

Initial Production: BOPD 1.7 MFPD 8.4 Bbls. Total Fluid 9.1

Method of Completion:

Plugged back 747', set packer 730', shot 735' to 747'. 12-4" shells - 30 qts. Total depth 767 $\frac{1}{2}$ '. Plain tubing, 730.0'. Dumped three sacks cement on bottom. Plugged back to 747. 8 gunny sacks on packer, 2 sacks of 1 day cement and 8 sacks of common cement dumped on packer. Packer set at 730'. Seating nipple on packer. S.L.M.  
6-17-54 Pipe unscrewed at 320 ft. 100 ft of new 2" tubing put in for replacement.

Work Over Operations and Remarks:

Jan. 27, 1955 - Pulled and repair, hole in 1" pipe, replaced 40' of 1" pipe (1" used), ran in rebuilt insert bbl, blind bottom.

April 14, 1955 - Pulled out old 1" and Insert Bbl., ran in new extra heavy 1" with rebuilt Insert bbl.. (726' of 1")

June 4, 1955 - Pulled out extra heavy 1". Ran in pony packer with light 1", packer set at 709'. Well put to flowing.

Feb. 18, 1956 (Tubing Leaking) Hooked on to 1" inch, loosen packer - left 1" in well for guide. Pulled 662' of 2", 11 $\frac{1}{2}$ " thread. Ran 662' of new 2" tubing - 10 round thread with 11 $\frac{1}{2}$ " thread cut on bottom joint. Screwed on - hooked up well. Pulled 730' of 1" with pony packer.

March 27, 1957 - Run rebuilt 6 ft. insert barrel and 723.0 ft. of new 1" pipe and set in the seating nipple.

Sept. 17, 1957 - Pulled the 1" pipe and insert barrel. Put on a blind bottom and changed 3 collars. (1") Run back the 1" pipe and insert barrel and set in the seating nipple and put to pump. Used 8 - 1 $\frac{1}{2}$ " - 15 valve cups.

Sept. 20, 1957 - Pulled 1" pipe and insert barrel. Put on a BMW holddown w/ rubber packer to shut off tubing leak. Run back the 1" pipe, insert barrel and the BMW holddown, set the holddown and put the well to pump. Left out 32 ft. of 1" pipe. (New BMW Holddown)

Nov. 13, 1957 - Pulled the 1" pipe, insert barrel and BMW holddown. Run in top crown on the bottom of a pony packer two joints above the bottom of the 1" pipe. Set on the seating nipple and put the well to flow through the 1" pipe. There is 40' of 1" between the seating nipple and pony packer.

April 20, 1959 - Pulled the 1" pipe and pony packer. Replaced 1 joint of 1" pipe and run back with a rebuilt pony Packer. Set on the seating nipple w/ 2 joints of 1" pipe between the packer and seating nipple.