

WELL LOG

no core **3-3-29W**
39W
 SEC. 3 3S R. ~~29W~~
 LOG. C SW NE **39W**

COMPANY Murfin Drilling Company

FARM SHAY NO. 1-3

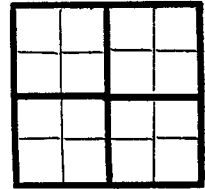
RIG. NO. 7

TOTAL DEPTH 4700' PBTB: 1500'

COMM. May 15, 1978 COMP. May 23, 1978

CONTRACTOR Murfin Drilling Company

COUNTY Cheyenne
 KANSAS



CASING

20	10	
15	8	-5/8" @ 293' w/250 sx.
12	6	
13	5	
	4 1/2	@ 1475' w/125 sx.

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

255'	Surface soil, sand & rock
1500'	Shale
2446'	Shale & Sand
2850'	Shale & Shells
3122'	Shale
3159'	Anhydrite
3255'	Shale
3960'	Shale & Lime
4365'	Lime & Shale
4450'	Lime
4700'	Lime & Shale RTD

RECEIVED
 STATE CORPORATION COMMISSION
 JUL 13 1978

SHAY #1
C SW NE Sect. 3-3S-39W
Cheyenne County, Kansas

(Shay 1-3)

Completion Report

5/23/78 Set 50 sx. Class A + 2% CaCl plug from 1632-1500'. Ran 35 jts. 4½" - 9.5# casing set at 1475' w/75 sx Class A + 10% salt and 50 sx Class A Latex. Good rotation and good returns.

6/22/78 Perf. w/4 SSB jts p/foot: 1342-45', 1348-52' and 1355-63'.
6/23/78 Shut in.
6/24/78 Shut in.
6/26/78 Shut in.
6/27/78 Shut in.
6/28/78 24 hrs prior to frac - run swab to clean out and dumped 100 gal. 10% acetic down casing.
6/29/78 Fraced w/250 bbl. 3% KCL water, 300 sx sand and 250,000 SCF N₂.
Breakdown Press. - 800#
½# sand - 800#
1# sand - 800#
1½# sand - 800#
Start flush - 800#
Final Pump In Press. - 800#
ISIP - 600#
5 min. - 600#
10 min. - 550#
15 min. - 525#
20 min. - 500#
Avg. wtr. Inj. rate - 4 BPM.

6/30/78 Blowing soapy water, sand and shale to pits. 8/64" ck. Cp 100#.
7/2/78 Put well on 8/64" ck, Cp 220#, 116 MCFD rate after 48 hrs flowing.
7/3/78 To start one point flow test 7/6/78.
7/5/78 Cp 290#, to start one point flow test tomorrow.
7/6/78 Cp 290#, open on ½" plate and 8/64" choke.
7/7/78 Cp 210#, avg. flow rate 129 MCFD, no water. Calculated open flow from 24 hr flow test using slope 0.85. 251 MCFD.

7/8- 11 Shut in.
7/12/78 Ran radiation log. to 1370'.
7/13 - 18 Shut in.
7/19/78 Cp 290#.
7/20 - 24 Shut in.
7/25/78 Shut in.
7/26 - 7/31 Shut in.
8/1 - 8/3, ss Shut in.
8/4/78 Shut in, Cp 300#.
8/5 - 8/24/78 Shut in.
8/25/78 Shut in, Cp 305#.
8/26 - 9/8/78 Shut in.
9/9/78 Shut in, Cp 305#.
9/10 - 9/19/78 Shut in.
9/20/78 Shut in, Cp 305#.
10/2/78 Shut in, Cp 305#.
10/20/78 Shut in, Cp 305#.