

WELL LOG

State Geological Survey
WICHITA, BRANCH

COMPANY Shakespeare Oil Company

SEC. 13 T. 3S R. 42W
LCC. C NE SE

FARM MANSON JONES NO. 1

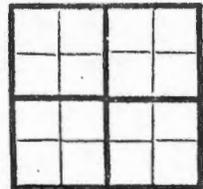
RIG. NO. 14

TOTAL DEPTH 4800'

DDMM. 8/6/76

COMP. 8/16/76

COUNTY Cheyenne, Ks
KANSAS



CONTRACTOR Murfin Drilling

CASING

20	10
15	5/8" @ 329'
12	6
13	5

ELEVATION.

PRODUCTION D&A

FIGURES INDICATE BOTTOM OF FORMATIONS

- 120 - surf sand, clay
- 205 - sand, gravel
- 250 - sand, black shale
- 344 - shale
- 470 - shale, sand
- 1625 - shale
- 1700 - shale, sand
- 2120 - shale
- 2515 - shale w/gyplime
- 2735 - sand, shale
- 3105 - shale
- 3365 - shale, lime w/pyrite
- 3510 - red shale w/lime
- 3655 - black, blue shale w/lime
- 3800 - lime, shale
- 4005 - shale
- 4075 - shale, lime
- 4155 - lime w/sand
- 4750 - lime, shale
- 4800 - lime
- 4800 - RTD

13-3-42w

#1 DST 4468'-4537' (Rueb. Zone) weak to fair blow through test; recovered 180' thin drilling mud with few oil specks, 70' watery mud with few oil specks, chlorides, 1850 PPM in test sample, 800 PPM in pit sample

30 minutes IFP	92/138#
30 minutes ISIP	1308#
60 minutes FFP	138/207#
60 minutes FSIP	1308#
I and FHH	2373/2352#

#2 DST 4600'-4680' (Orth Zone) good blow, recovered 80' mud w/few oil specks, 60' thin mud, 300' muddy water, 420' salt water, 29,500 PPM chlorides, pit sample 800 PPM

30 minutes IFP	115/357#
30 minutes ISIP	1529#
30 minutes FFP	369/507#
60 minutes FSIP	1529#
I and FHH	2428/2406#

#3 DST 4268'-4313' (Topeka) good blow - recovered 120' mud, 570' salt water

30 minutes IFP	161/265#
30 minutes ISIP	1429#
60 minutes FFP	277/346#
60 minutes FSIP	1418#
I and FHH	2188/2166#

Note: Intended interval for this test was 4222' - 4267' with hook at 4270' - hook failed

#4 DST 4221'-4266' (Howard) fair blow - test failed after 15 minutes into 2nd flow period - recovered 130' heavy mud, 60' thin mud, 240' thin watery mud, salty

30 minutes IFP	46/207#
30 minutes ISIP	1396#
15 minutes FFP	-----
FSIP	None taken