

29-19-21W

COMPANY **CITIES SERVICE OIL**

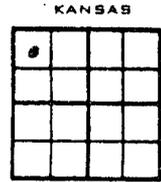
SEC. 29 T. 19 R. 21W
 LOC. APP C NW NW
 660' FNL & 510' FWL

FARM Rein "A" NO. 4

COUNTY **Ness**

TOTAL DEPTH **4468**
 COMM. **7-29-66**
 SHOT OR TREATED
 CONTRACTOR **Peel Bros**
 ISSUED **10-1-66**

COMP. **8-19-66**



CASING

20	10		
15	8 5/8"	@ 509'	w/275 sx.
12	6		
13	* 4 1/2"	@ 4467'	w/150 sx.

ELEVATION **2316' KB**

PRODUCTION **FMP 132 BOPD,**
 tr wtr: **GR 39 (Miss 4438**
-44)

FIGURES INDICATE BOTTOM OF FORMATIONS

WELL RECORD

Company Cities Service Oil Company Well No. 4 Farm Rein "A"
 Location 660' FNL and 510' FWL Sec. 29 T. 19S R. 21W
 Elevation 2316 KB
 Elevation 2313 DE, 2308 CL County Ness State Kansas
 State Potential:
 Initial Prod. 132 bbls. oil, trace water, 24 hrs. Contractor Peel Brothers, Inc.
 Acid 250 gals. 7 1/2% BDA Drlg. Comm. July 29, 1966
 T. D. 4468', PBTD 4455' Drlg. Comp. August 19, 1966

CASING RECORD:

8-5/8", 32#, at 509' cemented with 200 sx 50-50 Pozmix, 2% CC, and 75 sx Common, 2% CC.
 4-1/2", 9.5#, at 4467' cemented with 150 sx SS common cement.

FORMATION RECORD:

clay, sand & limestone	0-80'
sand & shale	510
shale, sand & shells	950
sand	1215
anhydrite	1539
sand & shale	1965
lime & shale	2676
lime & shale	3120
lime & shale	3560
lime	3800
lime & shale	3850
lime	4330
lime & shale	4430
lime	4467 RTD

LOG TOPS:

Heebner	3801 (-1485)
Toronto	3820 (-1504)
Lansing	3849 (-1533)
Base Kansas City	4171 (-1855)
Pawnee	4264 (-1948)
Fort Scott	4345 (-2029)
Cherokee	4362 (-2046)
Conglomerate	4411 (-2095)
Mississippi (Warsaw)	4430 (-2114)
Mississippi (Osage)	4434 (-2118)

Log TD 4468 = 4467 RTD.

COMPLETION:

Perf. Mississippi 4438-44.
 120' fluid in 12 hrs.
 Bailed 23 1/2 gals. oil, 7 1/2 gals. water, 3 hrs.
 Acidized with 250 gals. 7 1/2% BDA.

State Test:

132 oil, trace water, 24 hrs.

SLOPE TESTS:

1000'	1/4°
1765'	1/4°
2456'	1/4°
2972'	1/2°
3887'	1/2°

TOPS: SCOUT

Heebner	3799
Base Kansas City	4168
Ft. Scott	4342
Cherokee	4360
Mississippi	4424
" Osage	4429