10-20-21W

KANSAS GEOLOGICAL SOCIETY
KANSAS WELL LOG BUREAU -- KANSAS WELL SAMPLE BUREAU
KANSAS GEOLOGICAL SOCIETY BUILDING
508 EAST MURDOCK · WICHITA, KANSAS

COMPANY CITIES SERVICE OIL

SEC. 10 T. 20 R. 21W
LOC. C SW SW

FARM McJunkin "A" NO. 2

COUNTY Ness

TOTAL DEPTH 4447'

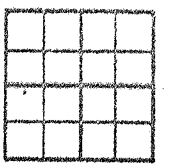
COMM. 3-2-65 COMP. 3-12-65

SHOT OR TREATED 4 shots 4429½-30½ 4 shots 4418½-19½ 6 shots 4421-23
550 gas acid

CONTRACTOR Peel Bros.

ISSUED 9-4-65

KANSAS



CASING

20	10
15	8
12	6
13	5

ELEVATION 2245' KB

PRODUCTION 32 BO 47 BWPD

FIGURES INDICATE BOTTOM OF FORMATIONS

CASING RECORD:
8 5/8" @ 504' w/275 sacks.
4½" @ 4446' w/100 sacks.

Formation Record:	Depth:
clay & lime	0 - 50
clay, lime & shale	100
shale	300
sand	330
shale	905
sand	1105
shale & red bed	1463
anhydrite	1497
shale & shells	2200
lime & shale	2570
lime	2790
lime & shale	3075
lime & chalky shale	3315
lime & shale	3820
lime	4398
shale & sand	4402
lime & chert	4427
cherty lime	4433
chert	4447 R.T.D.

Contractor Peel Brothers, Inc.

Log Tops:

Heebner	3770	(-1525)
Toronto	3787	(-1542)
Lansing	3816	(-1571)
Base Kansas City	4153	(-1908)
Pawnee	4232	(-1987)
Fort Scott	4326	(-2081)
Cherokee	4347	(-2102)
Conglomerate	4386	(-2141)
Conglomerate Sand	4395	(-2150)
Miss. Warsaw	4410	(-2165)
Osage	4421	(-2176)
Log Total Depth	4447	
Penetration Miss.	37'	

Completion:
P.B.T.D. 4433½. 4 shots 4429½-30½. 3 gals. wtr. per hr. 100 gals. 15% acid, no break down. Sqz. w/cem. C.O. to P.B.T.D. 4425½. 4 shots 4418½-19½. 10 gals. acid spotted on bottom, no break down in pressure overnight. 6 shots 4421-23. 100 gals. acid, rec. load wtr Swb. 1 B.O. & 1.09 B.W./1 hr. Pumped 7 B.O. & 14 B.W./24 hrs. 250 gals. 15% acid. Pumped 30.8 B.O. & 38.5 B.W./24 hrs. State Potential: Pumped 32 B.O., 47 B.W./24 hrs.

Slope Tests: (Eastman)
1000' - ¼°
1789' - ¼°
2415' - ½°
3108' - ¾°
3770' - ¼°

VJQ/ng
6/22/65