

KANSAS WELL LOG BUREAU --- KANSAS GEOLOGICAL SOCIETY

508 EAST MURDOCK - WICHITA, KANSAS

COMPANY DERBY OIL COMPANY

SEC. 17 T. 13 R. 17W

FARM F. Miller

NO. 3

LOC. NW SW SW

TOTAL DEPTH 3666

COUNTY Ellis

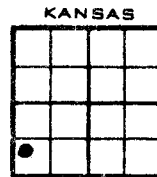
COMM. 7-18-50

COMP. 8-24-50

SHOT OR TREATED 2000 acid

CONTRACTOR Glenn Peel Drlg. Co.

ISSUED 12-2-50



CASING

8 5/8" 275' cem. w/150 sx
4 1/2" 3536 cem. w/145 sx

ELEVATION 2131 DF

PRODUCTION State Test 39 Bbls. oil & NW

FIGURES INDICATE BOTTOM OF FORMATIONS

All measurements are from Kelly Bushing Bradenhead to top Rotary 5.50'

clay & shale	50
shale & shells	276
blue shale	500
sand, shale & pyrite	860
sand	1000
redbed	1200
red shale	1345
Anhydrite	1385
shale	1650
shale & shells	2000
lime	2095
lime & shale	2295
lime	2520
lime & shale	3295
lime	3385
cherty lime	3490
lime	3650
cherty lime	3666
Total depth	

no increase. 24 shots 3486-92; no inc.; 1000 acid; Swb. 5 bbls. wtr per hr; plus 3 gals oil per hr. 10 hrs. Set plug at 3480. Perforated 3464-70 w/20 shots; had 7 gals. wtr per hr. Perf. 3456-58 w/8 shots; 35 gals. oil & 15 gals. wtr per hr. Treated with 1000 acid. Swb. 11 bbls. wtr & 3 bbls. oil per hr. Set plug at 3450. Perf. 8 shots 3445-47; 900' salt water in 30 mins. Set plug 3442. Perf. 16 shots 3432-39; 500' salt wtr in 30 mins. Swb. 46 bbls. salt water in 3 hrs. Drove bridge plug at 3442 down to 3447 1/2. Set cem. retainer at 3424 & sq. zones 3432-47 with 105 sx at 2000 p.s.i. Drilled cement & drove plugs to 3478. Discovered bad section of pipe 3410-23. Tools would pass this spot O.K. but bailer would not go below 3423. Got smaller bailer & cleaned out to 3478. Swb. 3 bbls. oil plus 1/2 bbl. wtr per hr. Run tubing & rods. POP.

Tops:	
Heebner	3362
Lansing	3432
Cherty Cong. & Rew.	
Arbuckle	3663

Remarks:

DST: KC 3445-3490, 50 mins. rec. 126' oil cut mud. KC 3494-3511, 50 mins. rec. 400' slightly oil & gas cut salt water, bottom hole pressure 410#.

Perforated 13 shots 3499-3502; 200' salt water, no show oil 30 mins. Set plug at 3495 & perforated 24 shots 3486-95; 5 barrels salt water & 5 gals. oil per hr; Lane wells Plug 3478. Perforated 10 shots 3464-70; 3 gals. oil & 5 barrels salt water per hr; Lane Wells plug 3460; Perforated 11 shots 3456-58; 5 gals. oil & 6 barrels salt water pr hr. Drilled plugs out to sq. off bad cement job. Total depth 3507. Set cement retainer at 3441. Cemented thru 2" tubing with 120 sx. Displaced 118 sx in formation at 1500#; reversed 2 sx; drilled cement to 3507. Perf. 13/3499-3502; 2 gals. water with show oil 1 hr; perforated 9 shots 3494-96,