

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
 508 East Murdock, Wichita, Kansas

Company- DEEP ROCK OIL CORPORATION
 Farm- A. C. Bowker No. 1

SEC. 35 T. 24 R. 14W
 NE SW SW
 990' E of WL, 990' N. of SL/SW/4

Total Depth 4285; PB 3806

Comm. 8-27-54

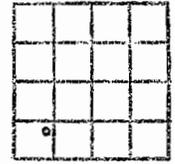
Comp. 9-25-54

County Stafford
 KANSAS

Shot or Treated.

Contractor. Gabbert & Jones Drlg.; Drlg. in: Clock Drlg. Co.

Issued. 11-27-54



CASING:

10 3/4" 298' cem. w/225 sx
 5 1/2" 3918' cem. w/?

Elevation. 1951

Production Flow. 45 BO & NW/8

Figures Indicate Bottom of Formations. hrs. Official Test 135 bbls.
 Completion Record: in 24 hrs.

sand	140
shale & shells	290
redbed-	855
Anhydrite	885
shale & shells	1415
shale	1715
lime & shale	1915
lime	2020
lime & shale	2330
lime	2545
shale & shells	2925
lime & shale	3235
shale	3270
lime	3590
shale & lime	3700
lime	4025
lime & chert	4090
lime, chert & shale	4200
lime	4250
lime & chert	4285
Total depth	

Gamma Ray, laterolog and microlateralog to 4280', by Schlumberger 9-10-54. No shows of oil and or gas below Lansing-K.C. Welex gamma-ray log thru pipe 9-14-54 from 3400 to 3833. (1) Perf., Welex, 20 jets from 3821 to 3826. Bailed dry on muddy water and scum oil.

(a) Acidized down casin: 250 MCA acid, followed w/ 1000 gals. Dowell X acid and 63 bbls. oil. Pressured to 1700# and slow drop. Displaced @ 2200# over flushed with 20 bbls. oil.

(b) Swabbing back load, recovered about 129 bbls. fluid in 9 hrs. including est. 25% wtr; finished 90% wtr, small show gas, no pressure.

(c) Squeezed with 50 sx and Baker retainer at 3817KB. 6 stages, 10 sx out, max. pressure 3500 psi. Bailed, swabbed, dry plug okay, top cement 3818.

(2) Perforated, Welex, 28 jets from 3809 to 3816. Swabbed dry and 1 gal. wtr in 1 hr.

(a) Acidized down csg. 250 gals. MCA and flushed with 16 bbls. oil. Max. pressure 2380 psi. Used 105 bbls. oil load and flush.

(b) Swabbed 93 bbls. oil in 8 hrs, mostly wtr at end of test. No gas. Acid frac. 2000 gals. jel acid and 1450# sand, 5000# psi max pressure. Swabbed, last 9 hrs, got 13 bbls. oil and 40 bbls. wtr with show of gas with some fine sand. 95% wtr on last swabbing and bailing. Lacked 5% recovering load oil.

(c) Sq. with 150 sx common thru Baker retainer at 3806, reversed out 32 sx, pressure 3500 psi. Bailed & tested okay with top plug at 3806.

(3) Perforated, Welex, 36 jets, 3794 to 3803. Bailed approx. 3 bbls. oil, little wtr/6 hrs. Acidized down casing 250 gals. Dowell XF with 100 bbls. oil to displace and flush. Max. press. 750 psi with drop to 100 psi in 40 mins. Swabbed 1 hr, 85 bbls. load

Geological Tops:
 Heebner 3483
 Brown limestone 3617
 Lans-Kansas City 3649
 Base Kansas City 3918
 Marmaton 3931
 Mississippian 3990
 Kinderhook 4009
 Cherty Viola (Corr.) 4069
 Crystalline Viola 4185
 Simpson shale 4213
 Arbuckle 4255
 Total depth 4285

Drill Stem Test Record:

No. 1: 3768-90, open one hr, gas to surface in 2 minutes. 2" opening with spring gauge. 5 minutes, 6#; 1790 MCF. 15 min., 8#, 2060 MCF; 25 minutes, 9#; 2190 MCF. 35 Minutes, 45 minutes and 60 minutes, same. Recovered 92' gas cut mud. BHP 1370# in 15 mins. FP 390#.

No. 2: 3795-3826, open one hr, gas to surface in 40 minutes, strong blow throughout. Recovered 30' oil & gas cut mud, 180' muddy oil. BHP 1300# in 20 minutes. FP 0-90#.

Coring Record:

No corcs were taken.

oil. Shut down and well filled from 2500 feet and started flowing in 2 hrs. Flowed by heads 50 bbls. (35 new Oil) in 9 hrs. Killed flow with 43 bbls. oil. Ran tubing with 8' slotted anchor and B.P. at 3804.5'. seating nipple at top of anchor. 9-24-Swb. tubing, swabbed from 2000 and well flowed 64 bbls. oil-no wtr, 5 hrs. tubing press. 50 psi. No pressure on csg. 9-25- Flowed 42 bbls. oil-no wtr in 6 hrs and died. Pulled tubing swab to start flow again. 10-7 State Pot, test: Flowed 45 bbls. oil-no wtr/8 hrs. for official test 135 bbls./24 hrs. Choke size 14/64"