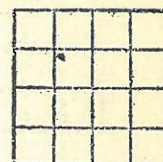


WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY
 508 East Murdock, Wichita, Kansas

Company- DEEP ROCK OIL COMPANY et al
 Farm- Strait No. 5

SEC. 33 T. 26 R. 13W
 NW SE NW
 1650' S of NL, 1650' E of WL,
 S $\frac{1}{2}$ NW $\frac{1}{4}$
 County Pratt
 KANSAS

Total Depth. 4465 PB 4429
 Comm. 11-7-51 Comp. 12-1-51
 Shot or Treated.
 Contractor. R.W. Rine Drlg Co.; Folger Drlg Co.
 Issued. 2-23-52



Elevation 1960 D.F.

CASING:
 8 5/8" 870' cem w/350 sx
 5 1/2" 4464' cem w/250 sx

Production Flow 293 bbls, no wtr

Figures Indicate Bottom of Formations.

surface clay	40
clay sandy	70
sand	170
shale, shells	230
red bed	245
red bed, shale	675
red bed	830
anhydrite	855
shale	875
shale, shells	1370
shale, salt, lime	1875
shale	2020
lime sandy	2055
lime, shale	2490
shale	2510
lime, shale	2895
lime sandy, shale	3020
lime, shale	3700
lime	4173
lime, chert	4195
lime	4261
shale	4265
shale, chert	4300
chert	4314
shale, chert	4355
lime	4365
lime, shale	4415
lime	4465
Total Depth	
Plugged back to	4429

covered 30' mud; possibly very slight trace gas; no oil or water. BHP 0# (15 min.)

- #3 4197-4232 Mississippi open 45 min, fair blow which gradually decreased to nothing in 37 min. Recovered 30' mud; no oil, gas or water. BHP 0#
- #4 4238-65 Upper Viola chert open 45 min.; good blow throughout test. Gas to surface in 22 min. Rec. 120' slightly gas cut mud; no oil or wtr. BHP 890# (15 min.)
- #5 4286-4314 Lower Viola chert open 45 min; very good blow, gas to surface in 7 min. Oil to surf. in 45 min. Rec. drill pipe full of oil with a little mud. Initial flowing pressure 370#. Final flowing press. 840#. BHP 1240# (15 min.)
- #6 4337-65 Simpson open 1 hr.; good blow throughout test no gas to surface. Rec. 630' very oily mud; 360' oily water; 90' very salty water. Initial flowing pressure 90#. Final flowing press 310#. BHP 1030# (15 min.)
- #7 4437-55 Arbuckle open 1 hr; good blow throughout; no gas to surface. Rec. 315' very oily mud; 225' muddy oil. 180' oily water. 180' sulphur water. Initial flowing pressure 290#. BHP 1060# (15 min.)

CORING RECORD: No cores taken.

COMPLETION RECORD: Drillers T.D. 4465
 Schlumberger T. D. 4464

Drilled and cleaned out to top of plug 4429

- 11-24-51 Ran Lane-Wells Gamma Ray-Neutron log; Lane-Wells measurements 2' shallower than electric log measurement. Used electric log measurement.
- 11-29-51 perforated 24 holes 4294-4302; oily mud on gun; no free oil in hole. Perforated 24 holes 4302-10; gas to surface in 3 min., fresh oil on gun. Perforated 18 holes 4310-14; 2500' oil on line when gun came out. Increase in gas after 3rd shot. Ran swab to 2000'; pulled out; had 600' oil on line; well started flowing, flowed 28BO 1st hr; flowed 280 BO in 11 hrs through casing.
- 11-30-51 Killed well and ran 4419' of 2-3/8" OD, 4.70#, Smls, New Tubing.
- 12-3-51 Flowed 16 BOPH for 7 hrs through tubing 80# pressure on tubing; 0# pressure on casing.
- 12-4-51 flowed 60 BO 1st 2 hrs. through tubing. This has not been treated with either acid or hydrafrac

Tops:

Topeka L ₁ me	3236
Heebner	3606
Leanvenworth	3610
Snyderville	3616
Toronto	3625
Douglas sand	3648
Brown Lansing	3772
Lansing	3796
Base Kansas City	4115
Marmaton	4115
Mississippi	4191
Kinderhook	4224
Viola	4239
Simpson sand	4337
Arbuckle	4424

DRILL STEM TESTS:

- #1 3821-40; Lansing Zone #1
 Open 1 hour; fair blow for 17 minutes; small intermittent blow for rest of hour. Rec. 30' very slightly gas cut mud; no oil or water. BHP 0# (15 min.)
- #2 3955-70; Lansing zone #7
 Open 30 min.; small blow for 5 min., left open 15 min., closed tool and re-

Sand Record: Viola 4239-4314

11-29-51 66 shots by Lane-Wells from 4294-4314