

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

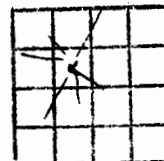
19-33-26W

Company- DEEP ROCK OIL CO., et al  
Farm- Merton A. Horner No. 2

SEC. 19 T. 33 R. 26W  
CSE NW  
1980' S of NL, 2080' E of WL,  
NW  $\frac{1}{4}$   
County Meade

Total Depth. 5826 PB 5760  
Comm. 8-8-52 Comp. 9-18-52  
Shot or Treated.  
Contractor. R. W. Rine Drlg Co.  
Issued. 11-22-52

KANSAS



Elevation. 2325 D.F.

Production. 9,240,000 gas & no wtr

Figures Indicate Bottom of Formations.

#1 5774-5825 - Open 30 min., weak blow for i mins. Rec. 70' mud., BHP 0#.

sand, shale 375  
shale, shells 600  
shale 1000  
redbed, shale, shells 1420  
shale, shells, lime 1880  
lime, shale 2340  
lime 2600  
lime, shab 2710  
lime 2785  
lime, shale 3335  
lime sandy 3425  
lime, shale 3740  
lime 3830  
lime, shale 4475  
lime 4730  
shale, lime 4800  
lime 4950  
lime, chert 4964  
lime 5115  
lime, shale 5155  
lime 5198  
lime, shale, chert 5240  
lime 5252  
shale 5255  
lime 5350  
lime, shale 5390  
lime 5460  
lime, shale 5513  
lime 5710  
shale, lime 5776  
lime 5826

Total depth Rotary  
PB 5760

Tops:  
Hollenberg 2500  
Herrington 2527  
Winfield 2608  
Towanda 2680  
Heebner 4404  
Lansing-KC 4581  
Morrow 5661  
Chester 5713  
RTD 5825

Drill Stem Tests:

#1 5731-42 - open 1 hr. gas to surface in 5 mins. Gas gages: 448 MCF in 15 min., 584 MCF in 30 min., 606 MCF in 45 min., 648 MCF in 60 min. Rec. 30' gas cut mud., IFP 60#; FFP 115#; BHP 2010#.

#2 5760-5776 - open 30 min. very weak blow for few seconds, rec. 5' mud. BHP 0#.

#3 5776-5825' - Packer failed to hold.

CORING RECORD: #1 5255-5262, Rec. 7', 3' 9" ls, brn - blk, dns, platy, slghly fossiliferous w/vertical frac.; 3' sh, blk & calcareous; 3' ls as above.

#2 5262-5290, Rec. 28', 10' ls, brn - blk, massive, dns, & slightly fossiliferous, w/vertical fractures/ Thin partings of sft, blk, fossiliferous sh; 1' 6" ls, gy-grnsh gry, shaly; 1' 6" sh, gry slightly calcareous; 1' 6" ls, tan-lgt gry, mostly dns & massive, fossiliferous. Contains few nodules of brn chert at top. 3' 6" ls, tan-brn, sub-lithographic, & in prt fossiliferous.

#3 5710-5742, Rec. 32', 3' sh, gry - blk, slightly calcareous & quite fossiliferous, 3' ls drk gry-brn, fine grained to dns, fossiliferous, & slight argillaceous. 3' mostly sh, blk & fossiliferous; 9' 3" ls, gry-brn, compact, & somewhat argillaceous neartop, becoming increasingly fossiliferous toward base. Few thin seams of blk fissle sh; 9' sh, blk, sft-crumbly; 2' ls gry-brn, fine granular to dns. 6" blk fissle sh bed near center; 11' Coquina-type ls, composed of micro-fossils, fossil fragments & oolites, cem w/sft wht chalky, calcareous material. Fair to good honeycomb & interfossil poro. Good gas odor from fresh fractures.

#4 5742-5776', Rec. 34', 7' Coquina-type ls as in preceeding core, except cementing agent for fossils appear to be more xyn. Zone becomes tighter in last foot. 4' 3" ls, gry-brn, compact w/1" to 3" blk rotten & slightly calcareous. (This section completely disintegrated when taken from barrels.) 5' 3" ls, gry-br fossiliferous & compact. Slgtly sdy near top - few thin sh prtgs near base. 6" sh, blk & fissle-like. 6' 3" ls gry-tan, very fossiliferous, poor scattered interfossil poro. & gas bubbles on surf. of core. form middle 4'. 3' 6" ls, gry-brnsh-gry, fn granular to dns, in part fossiliferous. Few blk sh partings, paper thin to 2" thick. 6" sh, blk. 2' 6" ls, gry-brn, vry hrd & compact.

Completion Record: Compted w/rotary tools. Ran Lane Wells Gamma Ray log w/collar locator. Perf. 9-15-52 5736-5748 Kone shell 72 holes LW 9-15-52 5732-5736 15/32 17 " LW after shot prod. 686 MCF

5732-5748 Acid before prod 686 MCF, after 8260 MCF w/100 gals Dowell. 9-16-52

5732-5748 Acid w/10000 gals. Dowell prod. before 8260 MCF after 9240 MCF 9-17-52

9-17-52 Prod. 9,240 no water in 24 hrs nat. flow.

9-23-52 " 13,765 " " " 24 " " "

Zero Point Rotary Busing (10  $\frac{1}{2}$ ' above Bradenhead)

Sand Record: Mississippi (Chester) 5713-5748 35'

Centralizers Baker @ 5815', 5750', 5725', 5690'

Larkin Guide Shoe. Tap Cement by survey 3948'

Schlumberger to 5816.