

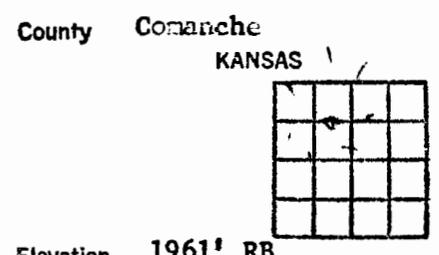
11-31-16W

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

Company. BARBARA OIL & PICKRELL DRIG.
Farm. Hashknife "B" No. 1

SEC. 11 T. 31 R. 16W
C E/2 NW

Total Depth. 5010'
Comm. 8-25-58 Comp. 9-15-58
Shot or Treated.
Contractor. Pickrell Drig.
Issued. 3-28-59



Elevation. 1961' RB

Production. 12,000,000 CFG

CASING:

8 5/8" 300' cem w/165 sx.
5 1/2" 5009' cem w/100 sx.

Figures Indicate Bottom of Formations.

top soil sand 60
red rock 306
shale 930
salt & shale 1390
shale & shells 1825
shale & lime 2110
lime 2335
lime & shale 2405
lime 2500
lime & shale 2630
lime 2720
lime & shale 2790
lime 3005
lime & shale 3400
lime 4770
Mississippi 4838
lime 4865
Mississippi 4867
lime 4974
Viola 5010 RTD
Total Depth

DST #3 4838-67' (HOWCO). Tool op 1 hr w/gas to surf. in 2 1/2 mins., gauged as follows:
5 min. - 511,000 cu. ft.
15 min. - 486,000 cu. ft.
30 min. - 511,000 cu. ft.
45 min. - 511,000 cu. ft.
60 min. - 511,000 cu. ft.

Rec. 160' slightly gas cut mud, IBHP 1725#/20 min. FBHP 1650#/20 min. FP 80-98#, HP 2630#.

Ran Schlumberger Electric Log and Lane-Wells Gamma Ray.

Sept. 24, 1958, perforated by Lane-Wells with 85 shots from 4780-4794; and 162 shots from 4804 to 4830.

Sept. 25, 1958, acidized with 1500 gallons and mud acid - by Dowell.

Sept. 26, 1958 fraced by Dowell w/24,000# sand and 33,000 gal acid Petrofrac.

TOPS: SCHLUMBERGER

Heebner 3996
Toronto 4008
Douglas 4033
Brown Lime 4176
Lansing 4190
Base Kansas City 4600
Marmaton 4648
Cherokee 4712
Mississippi 4777
Base "Chat" 4862
Kinderhook 4946
Viola 4981

DST #1 4767-4800' (HOWCO). Tool op 1 hr, w/gas to surf. in 4 mins, gauged as follows:

6 min - 244,000 cu. ft.
15 min. - 244,000 cu. ft.
30 min. - 299,000 cu. ft.
45 min. - 299,000 cu. ft.
60 min. - 299,000 cu. ft.

Rec. 125' slightly gas cut mud, IBHP 1735#/20 min., FBHP 1660#/20 min. FP 60/80#, HP 2605#.

DST #2 4800-38 (HOWCO). Tool op 1 hr with gas to surf. in 2 mins., gauged as follows:

5 min. - 1,080,000 cu. ft.
10 min. - 1,476,000 cu. ft.
15 min. - 1,746,000 cu. ft.
30 min. - 1,647,000 cu. ft.
45 min. - 1,587,000 cu. ft.
60 min. - 1,566,000 cu. ft.

Rec. 90' GCM, 210' Gassy, frothy mud, IBHP 1735#/20 min., FBHP 1545#/20 min. FP 295-235#, HP 2605#.