WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY.
412 Union National Bank Bldg, Wichita, Kansas.

50466

ATLANTIC REFG. CO.
Ernest Wise No. 1.

SEC. 13 T. 24 R. 14W.
NWc NW
425 SNL 330' EWL NW¼

DISCOVERY WELL

Total Depth. 4131
Comm. 7-4-38 Comp. 10-4-38
Shot or Treated. 2000, 3000, and 7000 gal acid.
Contractor. Herndon Drlg. Co.
Issued. 10-15-38

County. Stafford.

ROTARY WITH CABLE TOOL COMPLETION.

CASING.

13" 481'
8 5/8" 3593'
7" 3787'
5½" 4173'

Elevation.

Production. Pot. 1494 B. flowing.

Figures Indicate Bottom of Formations.

sand	160
shale and shells	275
sand and red rock	795
shale	815
anhydrite lime	840 Top 815
shale and shells	1310
shale and salt	1630
shale and shells	1830
broken lime	1960
lime	2040
broken lime	2208
lime	2265
broken lime	2735
broken lime and shale	2870
broken lime	2970
lime	2986
broken lime	3070
lime	3210
broken lime	3225
lime	3348
shale and lime	3485
lime	3535
shale	3585
SLM 3585 equals 3580	
shale	3586
lime	3604
lime grey	3613
shale blk gas	3616
lime grey	3650
Increase in gas	
lime grey & shale	3656
lime grey	3755
5,350,000G. 3729	
SLM 3755 equals 3778½	
Jarred pipe thro. 10' of cavings 3778½-3788½	
lime hard	3805
shale blk	3812
lime soft	3821½
Estimated 500,000 cu ft 3812-18	
1/2 bailer oil per hr for 8 hours	3821½
lime hard	3822
lime and shale	3886
shale	3900
lime and chert	3929
shale	3985
lime	4026
chert	4028
cherty lime	4044
chert and lime	4080
lime	4121
shale	4170

core No. 1. 5' Rec.
3½' Green Simpson shale
1½' Cherty dolomite no show.
Core No. 2 2' Recovery. 4178-4181
dense no shows.
Core No. 3 9' Recovery 4181-4197
Found Sulphur water at 4191
corrected total depth to plug back job 4131
Total Depth. 4197 T.D. P.B to 4131'

8-25-38 2000 gal. under 150# pressure 3822
10-3-38 Acidized with 3000 gal from 3812-20
flowed 643½ bbls in 16 hours.
10-4-38 Acidized 7000 gal.

Remarks:-

At a total depth of 2190' the well was flowing a 2" stream og water. However, the contractor succeeded in drilling on down to the Kansas City before setting 65/8" casing.

show gas 3608-10 1/4 Million Trace Oil.
Good show oil 3647-50' with 1,000,000 G.
At a total Depth of 3650 well filled up 100' oil in 1½ hours. 1200' oil in 12 hours.
At a total Depth. 3652 well swabbed 45.28 bbls in 6 hours.
At 3729 estimated 6,000,000 cu ft gas.

Perforating Record.
12 shots 3856-3860
24 " 3862-3871
24 " 3812-3821

Hole filled with 25' Rotary mud in 1 hour. Circulated with no pressure and cemented thro. perforations with 125 sacks cement Drilled cement out to 3820 Tested 2 B. fluid per hr. 95% water 5% oil thro oil perforation.

6 shots 3778-3782. Filled up 800' in one hour 95% water 5% oil.
24 " 3719-3729
12 " 3706-3710½
12 " 3688-3696
12 " 3641-3647
12 " 3625-3632
12 " 3604-3612