

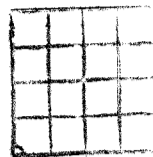
DERBY OIL CO.  
Arnold No. 1.

SEC. 16 T. 21 R. 1W  
SWc SW

Total Depth. 3349'  
Comm. 8-16-36 Comp. 10-6-36  
Shot or Treated. 2000 Gals. Acid.  
Contractor. McPherson Drlg. Co.  
Issued. 10-31-36

County. McPherson

OCT 31 1936



CASING:

13" 142'  
8 5/8" 3150'  
5 3/16" 3312'

Elevation. 1470

Production. Pot. Pump  
Figures Indicate Bottom of Formations. 931 B., 15 1/2 hrs.

sand & shale 134  
shale 150  
brkn lime 535  
lime 565  
brkn lime 760  
lime 773  
brkn lime 1180  
shale 1680  
brkn lime 2050  
lime 2075  
shale 2120  
lime 2140  
sdy lime 2170  
shale 2200  
brkn lime 2262  
shale 2296  
lime 2625  
shale 2650  
lime 2675  
shale 2698  
lime 2714  
brkn lime 2874  
shale 2918  
chat 2968

lime hrd 3329  
No increase  
lime sft 3333  
Show of free oil  
lime hrd 3336  
No increase  
lime sft 3337  
Filled up 200' oil  
lime medium sft 3338 1/2  
600' oil 1 hour  
lime sft 3342 1/2  
1450' 2 hrs 20 min.  
lime sft 3345  
2300' 4 1/2 hours  
lime medium sft 3348  
shale 3349  
swabbed 17 1/2 bbls. per hr.  
Total Depth.

Halliburton test 2918-2968

show of oil

Estimated 10 M. Gas.

chat 3068  
chat & lime 3102  
lime 3150  
lime 3234  
shale 3311  
sand 3311 1/2  
lime 3312 1/2  
10 M. Gas between 5 3/16"  
casing and 8 5/8" csg.  
30 Bbls. per hour water  
Killed gas.  
2" tbg. 2967'  
Standardized

Swabbed 50 bbls. 1 hr. 1500' from  
top.  
Pumped 931 bbls. 15 1/2 hrs. state  
potential.

Sample Tops Top Chat 2918'  
Base Miss. 3230'  
Top Hunton 3311 1/2

Standard Tools  
Gas tested 1 M  
Cement 2968-3091  
Gas increased to 8 1/2 M  
Killed Gas  
Cement 3091-3153  
Cleaned out to bottom 3312  
8 1/2 M gas between 8 5/8" &  
5 3/16" casings  
cement 3307-3313  
lime hrd 3317  
show of oil