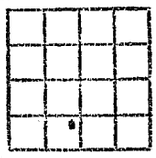
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- SKELLY OIL COMPANY
Farm- Opal Lanterman No. 1

SEC. 16 T. 20 R. 12W
NE SE SW
330' FEL, 990' SL, SW¼

Total Depth. 3423 PB 3389
Comm. 10-6-56 Comp. 10-20-56
Shot or Treated.
Contractor. Claude Wentworth Drlg Co., Inc.
Issued. 12-22-56

County Barton
KANSAS



Elevation. 1842 DF

CASING:
8 5/8" 656' cem w/400 sx.
5 1/2" 3415' cem w/125 sx.

Production. Pot. 253 bbls

Figures Indicate Bottom of Formations.

shale, surf, soil	300
red bed, shells	645
anhydrite	668
red bed, shale	745
shale, shells	1535
shale, and lime	1590
lime	1620
lime, shale	1830
lime broken	1945
lime, shale	2840
lime	3033
shale, lime	3129
lime	3164
lime chalky & cherty poor pinpoint poro., good spotted lgt stn	3168
lime	3184
lime Poor porp. NS	3187
lime	3217
lime chalky Poor pinpoint poro. spotted lgt stain	3220
lime	3232
lime w/good inter-oolitic porosity. Good drk sat.	3236
lime	3244
lime gry Fair vuggy poro., drk oil stn w/free oil in wet samples	3250
lime	3254
lime Good poro., no show of oil in samples	3259
lime	3261
lime, shale	3297
lime Good poro w/spotted lgt oil stain	3303
lime	3331
lime, shale	3409
dolo w/chert Poor to fair poro., good odor, good show free oil, spotted stn w/scattered sat.	3415
dolo w/chert	3420
dolo brown	3423
Total Depth PB 3389	

Tops:

Anhydrite	636
Base Anhydrite	661
Wellington	1119
Base Wellington	1548
Tarkio	2469
Near Topeak	2681
Heebner shale	3026
Toronto lime	3042
Douglas sand	3058
Brown lime	3147
Lansing lime	3164
Conglomerate	3396
Arbuckle lime	3410

Significant shows of oil 3230-3260 & 3420-3423

Producing formation Lansing
lime Top 3230 Bottom 3234
" 3247 " 3251
" 3254 " 3260

Ran Halliburton Drill Stem Test:

#1 Packer set at 3153, used 37' anchor, open 1 hr., gas to surf. in 2 mins., rec. 90' of gas & water cut mud, gas gauged 500 MCF, IFP 65#, FFP -80#, BHP-1150#, in 20mins.

#2 Packer set at 3193, used 68' anchor, open 1 hr., strong blow throughout test, gas to surface in 5 mins., rec. 300' of heavily gas & oil cut mud, & 1650 of free oil (35° gravity), IFP-140#, FFP 540#, BHP 780# in 20 mins.

#3 Packer set at 3263, used 68' anchor, open 1 hr, n weak blow throughout test, rec. 30' of drlg muc, IFP-0#, FFP-0#, BHP 150# in 20 mins.

#4 Packer set at 3388, used 27' anchor, open 1 hr., rec. 30' mud with few specks of oil, IFP-0#, FFP-0#, BHP-110# in 20 mins.

#5 Packer set at 3415' used, 8' anchor, open 30 mins., strong blow throughout test, rec. 300' gas & 360' slightly muddy oil, IFP 40#, FFP-110#, BHP 1080# in 20 mins.

Acid Treatment: by Halliburton
10-25-56 1000 gals 3247-3260
10-27-56 1000 " 3230-3234
10-29-56 3000 " 3230-3260