

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

Company - SKELLY OIL COMPANY
Farm - Frank Rostecil No. 1

15-163-03029
SEC. 4 T. 9 R. 19
NE NE NW
330' fr N1 & 330' fr E1 NW $\frac{1}{4}$

Total Depth. 3443'

Comm. 6-25-48

Comp. 7-30-48

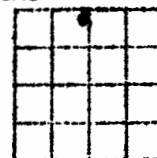
County. Rocks

KANSAS

Shot or Treated. Acidized W/500 gals. 3440-43' Dowell Inc. (8-1-48)

Contractor. Claude Wentworth Drlg. Co.

Issued. 8-28-48



CASING:

13-3/8" 196' Cem. W/175 Sx.
8-5/8" 1450' Cem. W/ 30 Sx.
5-1/2" 3440' Cem. W/200 Sx.

Elevation. 2011 2nd

Production. Pot. 3000 Bbls.

Figures Indicate Bottom of Formations.

surface soil 10
shale 150
shells 196
shale & shells 540
sand 600
shells 605
shale & shells 845
sand 1145
lime & shale 1380
red bed 1440
anhydrite 1450
anhydrite 1470
red bed & shale 1665
shale 1785
salt 1845
salt 1915
shale & shells 2335
shale & lime 2490
shale 2620
lime & shale 3050
lime 3110
shale & lime 3215
lime 3285
lime brwn sft 3288
lime 3355
lime & shale RTD 3441
brwn dolomite 3443
Total Depth

Started up at 8:00 AM 7-20-48 & cleaned out to bottom. Set & cem. 5 $\frac{1}{2}$ " OD, 14 $\frac{1}{2}$ ", 8R thd., H-40 2-2, Nat'l. S.S. casing at 3440' SLM W/200 Sx. Cem. Finished cementint 8:00 AM 7-21-48.

Moved in & rigged up cable tools & bailed & swabbed hole dry on July 29, & 5 $\frac{1}{2}$ " casg. tested OK. Drlgd. cem. plug & cleaned out to bottom, & cem. job tested OK, Correction 3443' SLM rotary table equals 3441' SLM D.F., no shows.

S.L.M. 3443 - 3441
gy & brwn dolomite 3441-3442 Slight por. & sat. show of free oil
med. sft brwn dolo. 3442-3443 - Pouous and sat., 175' OIH in 1 hr, no water
3443' - 1200' OIH in 6 hrs, 1800' in 12 hours.

Ran 2" tubing & swabbed through tubing 1 hr, 8 BO & no wtr. On July 31, swabbed through 2" tubing 3 hrs., 46 BO & no wtr. Treated W/500 gals of Dowell "X&F-18 W-17" acid as follows.
Acid Treatment No. 1 - Between 3440' and 3443'
Treatment put in 8-1-48 by Dowell Inc., using 500 gals acid & 68 BO to fill hole & to flush.
4:25 PM - Filled hole W/56 Barrels of oil
4:46 PM 300# O# - 500 gals acid in hole, on bottom, start flush.
5:01 PM 100# Vac. - 80 gals of acid in formation
5:10 PM Vac. Vac. - 320 gals. acid in formation
5:15 PM Vac. Vac. - 500 gals. acid in formation

After acid treatment swabbed out oil used in treating, then swabbed 6 hrs. 110 BO, no wtr.

On August 1, ran rods & POB 8 hrs., 120 BO & no wtr. On August 4, POB 9 hrs. on S.C.C. draw down pot. test, 104.68 BO & no wtr for indicated productivity of 3511 Bbls. to establish 24 hr. maximum pot. of 3000 BO. This pot. allows 200 BOPD for remainder of August, 1948.
Slope Test Data: Tests were taken at 250' intervals fr. 250' to 3225' W/ no deviation from vertical noted.

Producing Formation: Arbuckle Lime 3441' to 3443'

Top Anhydrite 1440
Top Heebner Shale 3161
Top Lansing Lime 3202
Med. por. & sat. Ran Halliburton drill stem test W/packer set at 3279', open 30 mins. & rec. 220' formation wtr W/little drlg. mud.
Top Arbuckle Lime 3439 SLM
Porous, fair sat. Came out of hole W/drill pipe & ran drill pipe open to 940'. Ran 14 sx. Cal-Seal & pressured to 300#, & Cal-Seal went down hole.

Ran 14 more sx. Cal-Seal to 940', pressured to 900# & pumped Cal Seal down the hole. Ran drill pipe to 1200' & ran 50 sx. cem. W/100 calcium chloride. Shut down 8 hrs. & pressured to 700#, & plug held. Perf. 3-5/8" OD casg. at 825' W/4 - $\frac{1}{2}$ " holes by Halliburton, & circ. OK. Then cem. through perforations W/250 sx., & cem. circ. Finished cementing at 2:00 AM 7-19-48.