

15-065-02217-00-01

RECEIVED
STATE CORPORATION COMMISSION

OCT 15 1971

CONSERVATION DIVISION
Wichita, Kansas

10-15-1971

GEOLOGICAL REPORT

Graham No. 4

SW NE NE Sec. 29-8S-24W

Graham County, Kansas

← NOW CITIES SERVICE OIL CO.'S
HOLLEY, NORTH L-KC UNIT #304'S

GEOLOGICAL REPORT

Company: Imperial Oil of Kansas, Inc.
 Farm: Graham No. 4
 Contractor: Harms-Burt Drilling Co.
 Pool: Holley

SW NE NE Sec. 29-8S-24W
 Graham County, Kansas
 Elevation: 2336 K.B.
 Rotary Total Depth: 3900

Rotary Completed: 6-19-57

Geological Data:

Samples were examined from 3500 to Rotary Total Depth.

Formation Tops

Anhydrite	2046	(-7290)
Heebner	3642	(-1306)
Toronto	3666	(-1330)
Lansing	3682	(-1346)
Rotary Total Depth	3900	

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Porosity and shows of oil

- Toronto 3666 (-1330)
 3666-69 Cream to gray cherty dense limestone. No shows. Poor porosity.
- Lansing 3682 (-1346)
 3684-88 (Top zone) Cream semi-oolitic dense limestone. No show. Fair to poor porosity.
- 3716-20 (35' zone) White to cream fine crystalline fossiliferous cherty limestone. Spotty dead oil stain. No free oil. Fair vugular porosity.
- 3727-28 (50' zone) Gray to white fine crystalline dense limestone. No show. Poor to very poor porosity.
- 3746-48 (70' zone) White to cream fossiliferous limestone. No show. Poor to very poor porosity.
- 3761-65 (90' zone) White fossiliferous and oocastic limestone. No show. Fair oocastic porosity.
- 3767-70 (100' zone) White to gray fine crystalline cherty dense limestone. No show. Poor to very poor porosity.
- 3816-19 (140' zone) Cream to white fine crystalline cherty limestone. No free oil. Trace of dead stain. Poor vugular porosity.
- 3836-40 (160' zone) Cream to gray shaly fossiliferous limestone. Trace of stain. No free oil. Poor porosity.
- D.S.T. #1 3825-44 Open 1 hour. Recovered 10' mud. BHP O#.

Geological Report

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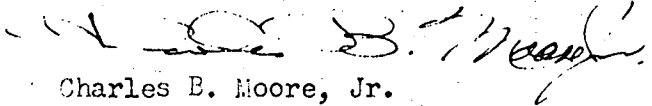
Graham No. 4

- 3857-60 (180' zone) Cream fossiliferous limestone. Fair spotty show of free oil. Fair stain. Fair fossiliferous porosity. Zone should be further tested.
- D.S.T. #2 3843-65 Open 1 hour. Recovered 20' mud with a few specks of oil. BHP 750#.
- 3779-82 (200' zone) White to cream oolitic limestone. Spotty dead oil stain. No free oil. Fair to poor oocastic and vugular porosity.
- D.S.T. #3 3864-85 Open 1 hour. Recovered 30' mud. BHP 830#.
- 3895-3900 (220' zone) Tan to gray fine crystalline dense limestone. No show. Poor porosity.

Rotary Total Depth 3900.

5½" Production casing set at 3898 on 6-19-57.

IMPERIAL OIL OF KANSAS, INC.



Charles E. Moore, Jr.
Geologist on well

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IMPERIAL OIL & GAS, INC.
Well Completion Report

Graham Lease Well No. 4 Water Supply Well
Loc. SW NE NE Sec. 29 Twp. 8S Rge. 24W
County Graham State Kansas
Pool Holley

Spud Date -----
Rotary Completed -----
Completion Date 11-12-64
Potential -----
Gravity -----
Accum. Production to -----

Surface casing set at ----- with ----- Sacks
Production casing set at ----- with ----- Sacks

Rotary total depth -----

Formation Tops: -----

Elevation: -----

Sample

Electric Log

PRODUCING AND PROSPECTIVE PRODUCING ZONES

Formation Depth Feet Remarks Estimated Reserves

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Completion Data: IMPERIAL HOLLEY NORTH L-KC

11-12-64: Moved in Franks Unit no. 2;
pulled 2 3/8" tubing with model "A"
tension packer. Ran bailer 2000' from
surface; obtained wtr. sample - indicated
K. C. & Dakota wtr. Ran 2 7/8" tubing
1300' from surface; ran 7/8" rods.
POP for water supply well.