

15.145-30000-0000

LEASE NAME Hoffman

TYPE OR PRINT

NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

WELL NUMBER 2

 Ft. from S Section Line

 Ft. from E Section Line

LEASE OPERATOR Graham-Michaelis Corp.

SEC. 14 TWP. 22S RGE. 15W (E) or (W)

ADDRESS P. O. Box 247, Wichita, KS 67201

COUNTY Pawnee

PHONE# (316) 264-8394 OPERATORS LICENSE NO. 5134

Date Well Completed

Character of Well Oil

Plugging Commenced 11-18-93

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Plugging Completed 11-22-93

The plugging proposal was approved on (date)

by Duane Rankin (KCC District Agent's Name).

Is ACO-1 filed? If not, is well log attached?

Producing Formation Depth to Top Bottom T.D. 3770'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				8 5/8	250'	none.
				5 1/2	3769'	2400'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plug were used, state the character of same and depth placed, from feet to feet each set. Sanded bottom to 3590' & 5 sks cement. Shot @ 2600' & 2400'. Pulled pipe. Pumped 300# hulls, 10 sks gel, 50 sks cement, 10 sks gel, 100# hulls, released plug, pumped 150 sks cement. 60/40 pos 6% gel. Plugging complete.

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor KELSO CASING PULLING, INC. License No. 6050

Address P. O. BOX 347 CHASE, KS 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Graham-Michaelis Corp.

STATE OF KANSAS COUNTY OF RICE, ss.

R. DARRELL KELSO

(Employee of Operator) (Operator) of

above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well, and that the same are true and correct, so help me God.

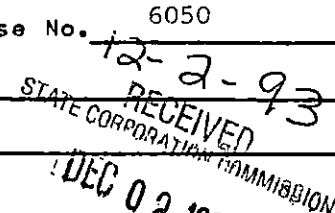
(Signature) R. Darrell Kelso

(Address) P. O. BOX 347 CHASE, KS 67524

SUBSCRIBED AND SWORN TO before me this 1st day of December, 19 93

James H. Hertzberg
Notary Public

My Commission Expires:



FRANCIS C. WHISLER

CONSULTING GEOLOGIST

PHONE HW 6-6888

RUSSELL, KANSAS

GEOLOGICAL REPORT:

Hoffman #2
 Approximate C SE NW
 Section 14-T22S-R19W
 Pottawatomie County, Kansas

OPERATOR:

Bennett & Roberts Oil Operations
 Russell, Kansas

CONTRACTOR:

Woodman-Jannitti Drilling Co.
 Wichita and Holsington, Kans.

ELEVATION:

Laughlin-Sizemore Co.
 Derrick Floor: 1975'
 Kelly Bushing: 1977'
 All measurements shown in this
 report are taken from K. B.

SAMPLES:

10' intervals; 3300' to 3500'
 5' intervals; 3500' to 3770', T.D.
 All samples were examined and zones
 of interest described. Samples will
 be sent to Kansas Sample Library at
 4150 Monroe St., Wichita, Kansas.

DRILLING TIME:

1' intervals; 3300' to 3770', T. D.
 A copy of the drilling time is in-
 cluded with this report.

ROTARY COMMENCED:

December 12, 1964

ROTARY COMPLETED:

December 20, 1964

CASING RECORD:

251' of 8 5/8" surface casing, cemented
 with 200 sacks.
 3769' of 5 1/2" production casing, ce-
 mented with 125 sacks of salt saturated,
 GOMCON cement.

STATUS:

Leasing-Kansas City producer.

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CONCERN

FORMATION TOPS:

Anhydrite:	923	(-1054)
Heebner Shale:	3389	(-1412)
Toronto Lime:	3408	(-1431)
Douglas Shale:	3424	(-1447)
Brown Lime:	3504	(-1527)
Lansing-Kansas City:	3514	(-1537)
Base of Kansas City:	3746	(-1769)
Total Depth:	3770	(-1793)

SAMPLE DESCRIPTIONS:

Lansing-Kansas City:

- 3516-3523: Ls; white, cream, fine crystalline, chalky with rare oil stain, poor saturation, fair porosity and no free oil. Not commercial.
- 3544-3549: Ls; buff, tan, crystalline, slight fossiliferous, and slight cherty, with trace of oil stain, poor saturation, fair porosity, and no free oil. Not commercial.
- 3637-3645: Ls; white, buff, oolitic and oolitic with scattered oil stain, poor saturation, good porosity and abundant barren porosity. Show of free oil and faint odor.

DRILL STEM TEST #1: 3633-to 3645: (Sun Tool)

Tool open: 1 hour with gas to surface in 28 minutes.

Recovered: 750' of clean, gassy oil.
240' of muddy, gassy oil.

IBHP: 1104 psi in 30 min. FBHP: 907 psi in 30 min. FP: 81 to 260

- 3662-3668: Ls; white, tan, crystalline, partly oolitic and oolitic with rare oil stain, poor saturation, and fair porosity. Show of free oil but no odor.

DRILL STEM TEST #2: 3650 to 3668: (Sun Tool)

Tool open: 1 hour with fair blow throughout test.

Recovered: 150' of muddy salt water.

IBHP: 1172 psi in 30 min. FBHP: 1104 psi in 30 min. FP: 37 to 81

REMARKS & RECOMMENDATIONS:

On top of the Lansing-Kansas City, the Hoffman #2 ran 10' lower than the log top on the Hoffman #1. The only zones that appeared to have commercial capabilities were tested by drill stem tests. The zone with favorable results was the zone that other wells in the pool are producing. This is the only zone that should be perforated for commercial production. Prior to completing the well, a Gamma Ray-Neutron-Collar Log should be run, and all zones of porosity accurately located. Perforating should be done from collar measurements.

Respectfully submitted;

Francis Whisler

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DRILLING TIME:

3300-3350:	4 5 5 6 5 5 6 7 7 5	5 5 5 7 6 6 6 7 5 6	6 5 4 4 3 6 4 4 4 5	2 4 4 5 5 5 6 6 7 6	5 5 5 3 4 6 6 5 5 6	New bit @ 3309
3350-3400:	7 4 4 3 3 4 3 4 4 4	4 5 4 6 6 5 5 4 4 4	5 3 5 6 5 3 4 4 4 3	6 5 6 4 4 3 2 1 1 2	5 6 5 5 4 5 6 6 4 3	
3400-3450:	4 3 2 3 3 3 3 3 2 2	3 3 2 5 5 2 3 2 2 3	5 3 2 4 5 2 2 2 3 3	4 4 3 3 4 3 2 2 2 2	4 4 4 5 3 2 2 2 2 2	Pump broke & New bit @ 3438
3450-3500:	2 2 2 3 3 3 2 2 2 2	1 2 1 1 2 2 1 2 1 2	2 1 5 2 2 1 2 1 2 1	2 1 2 2 2 1 2 2 1 1	2 2 2 2 2 2 2 3 2 3	
3500-3550:	3 3 2 3 4 3 3 3 3 3	4 4 3 3 3 2 4 2 3 4	2 2 2 2 3 2 2 2 4 3	3 2 2 2 2 3 4 4 4 3	2 2 2 3 3 4 2 3 2 4	
3550-3600:	7 6 6 3 6 3 4 5 4 2	6 7 5 2 4 3 3 5 4 3	5 5 6 7 6 2 2 2 3 2	7 8 5 5 4 3 5 7 9 9	3 5 6 7 3 9 8 8 8 7	
3600-3650:	5 4 4 5 6 7 8 9 7 8	4 4 2 3 3 7 9 10 11 5	4 4 4 4 5 3 4 3 3 3	5 4 5 3 5 2 1 1 1 1	5 4 6 6 5 3 6 8 7 8	
3650-3700:	10 7 6 6 10 3 4 4 5 7	6 7 5 5 6 9 6 4 3 4	8 6 4 4 4 5 8 6 6 6	4 6 6 6 5 7 8 8 9 9	5 6 8 7 5 9 8 8 5 5	New bit @ 3668
3700-3750:	3 2 2 5 6 5 5 4 3 4	5 4 5 6 7 4 7 7 7 7	7 7 6 7 7 7 8 8 6 6	6 6 5 3 4 5 6 6 5 6	5 4 5 5 6 6 5 5 5 5	
3750-3770:	4 4 4 3 4	3 4 4 6 4	4 4 3 3 4	4 4 4 5 6		

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HOFFMAN #2 - Appx. C SE NW 14-22-15, Pawnee Co., Kansas

Elev. 1977 KB. Spud 12/12/64. Set 250' 8 5/8" w/200 sx.
2% Gel. Set 5 1/2" @ 3769 w/125 sx salt sat. common (14#
Brd csg.) 12/20/64.

Tops: Heebner	3389(-1412)
Toronto	3408(-1431)
Douglas	3424(-1447)
Brown Lime	3504(-1527)
Lansing	3514(-1537)
Base K.C.	3746(-1769)

R.T.D. 3770'(-1793) Zero = 5.5' ABH Centralizers @ 3765,
3740, 3640, 3580. Shoe jt. 34.26, #2 32.61, #3 31.85,
#4 33.45, #5 33.29, #6 32.96

12/22/64 Move in, rig up, shut down.

12/23/64 Swab mud to float @ 3736. Rig up Great Guns.
Run gamma ray, neutron log to top Topeka. Perf 3640-46
w/24 holes. Test w/bailer. Found 110' fluid in hole. Free
oil & some muddy water. Acidize w/250 gal cleanup acid &
750 gal "J" type by BJ down 5 1/2 casing. Max press 700#,
broke slowly to 550#, treated @ 550# @ 5 1/2 bbl/min. Held
200#, bled off, swab test.

12/24/64 Hole filled 2600' in 12 hrs w/1100' of water.
Swab test 1000' off bottom. 35 BFPH, 30% water. Bail
hole clean off bottom. Shut down.

12/26/64 Tear down tools. Run 2 3/8" EUE tubing w/Korkele
oil - gas sep. on bottom, bull plugged. Run 106 plain
3/4" rods, 40 - 3/4" rods w/paddles, 1 - 2', 1 - 8'
& 1 - 10' pony rods. Run 1 1/2"x2"x12' bottom hole down
pump. Tear down.

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