

WICHITA BRANCH

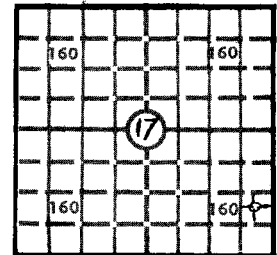
KANSAS DRILLERS LOG

S. 17 T. 14S R. 12 ^W

Loc. NE SE SE

County Russell

640 Acres
N



Locate well correctly

Elev.: Gr. 1777'

DF _____ KB 1781'

API No. 15 — 167-21 — 071
County Number

Operator
Graham-Michaelis Corp.

Address
P.O. Box 247, Wichita, KS.

Well No. 1-17 Lease Name Hlad-Vejl

Footage Location
990 feet from (S) line 380 feet from (E) line

Principal Contractor Woodman-Iannitti Drlg. Co. Geologist Donald F. Moore

Spud Date August 7, 1977 Total Depth 3291' P.B.T.D.

Date Completed August 18, 1977 Oil Purchaser None

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------------------|-------------------|---------------------------|----------------|---------------|-------------|-------|----------------------------|
| To protect fresh water supply | 12 1/4" | new 8 5/8" | 23# | 366 | common | 200 | 2% gel 3% cal chl. |
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LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|---------------|---------------|---------------|---------------|-------------|----------------|
| TUBING RECORD | | | NONE | | |
| Size | Setting depth | Packer set at | | | |
| NONE | | | | | |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| NONE | |
| | |
| | |

INITIAL PRODUCTION

| | |
|--|---|
| Date of first production <u>NONE</u> | Producing method (flowing, pumping, gas lift, etc.) |
| RATE OF PRODUCTION PER 24 HOURS | Oil bbls. Gas MCF Water bbls. Gas-oil ratio CFPB |
| Disposition of gas (vented, used on lease or sold) | Producing interval (s) |

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

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|--|-------------------------|---|
| Operator Graham-Michaelis Corporation | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
| Well No. 1-17 | Lease Name Hlad-Vejl | Dry Hole |
| S17 T14SR12 W NE SE SE - Russell County, Kansas | | |

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | NAME | DEPTH |
|--|------|---|--------------------------------|-------------|
| Surface soil | 0 | 315 | DRILL STEM TEST #7 | |
| Red Bed & shale | 315 | 683 | 3270-3288' | |
| Anhydrite | 683 | 718 | Op 30-45-30-30, Weak blow 30" | |
| Shale with shell bottom | 718 | 895 | Rec. 40' mud. IFP 21-21#; FFP | |
| Shale | 895 | 1497 | 32-32#; ISIP: 1058#; FSIP 971# | |
| Shale & lime | 1497 | 2041 | DRILL STEM TEST #8 | |
| Lime & shale | 2041 | 2338 | 3270-3291' | |
| Lime | 2338 | 2433 | Op 30-45-60-90. Strong blow | |
| Lime | 2433 | 2595 | Rec. 145' mud, 130' thin mud, | |
| Lime | 2595 | 2685 | 370' S.W. IFP 32-129#, FFP: | |
| Lime & shale | 2685 | 2785 | 162-3 5#, ISIP: 1187#, FSIP: | |
| Lime | 2785 | 2914 | 1187#. | |
| Lime | 2914 | 2956 | DRILL STEM TEST #9(straddle) | |
| Lime | 2956 | 3016 | 3108-3132 (log measurement) | |
| Lime | 3016 | 3265 | Op 30-45-60-90, Strong blow. | |
| Arbuckle | 3265 | 3288 | Rec. 160' thin mud, 640' salt | |
| Rotary Total Depth | 3288 | 3291 | water. IFP: 32-108#; FFP 151- | |
| DRILL STEM TEST #1 2455-2485 Op 30-30-30-30, weak blow 20". Rec: 5' mud IFP 21-21# - FFP 21-21# ISIP 43# - FSIP 32# | | DRILL STEM TEST #4 3000 - 3016 Op 30-45-60-90 Rec: 35' oil cut mud, 240' slightly oil cut mdy water, 30' oil cut muddy water. IFP: 29- 58#; FFP: 102-146; ISIP: 876#; SFIP: 847# | | |
| DRILL STEM TEST #2 2920-2956 Op 30-45-60-120, strong blow throughout Rec: 560' gas in pipe, 60' heavy oil and gas cut mud 1050' oil and gas cut salt water. IFP 58-321# - FFP 379-423# ISIP 891# - FSIP 920#. | | DRILL STEM TEST #5 3243-3265 Op 30-30-30-30; No blow. Rec. 34' mud. IFP: 43-43#; FFP: 53-43#; ISIP 654#; FSIP: 548#. | | |
| | | DRILL STEM TEST #6 3243-3270' Op 30-30-30-30. No blow. Rec: 130' mud. IFP 4 -32#; FFP 43-64. Tool plugged for final SIP. | | ISIP: 648#. |
| DRILL STEM TEST #3 2942-2956 Op 30-45-60-90, strong blow throughout Rec: 900' gas in pipe 30' oil and gas cut muddy water | | Rec: 1050' oil and gas cut salt water. IFP 43-219#, FFP 262-452# ISIP 964# - FSIP 979#. | | |
| | | Ran Petro Log Radiation Guard Log & Borehole Compensated Sonic Log | | |

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

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| Date Received | <p align="center"><i>Muriel F. Ceram</i> Signature</p> <p align="center"><i>Geological Secretary</i> Title</p> <p align="center"><i>August 29, 1977</i> Date</p> |
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