

State Geological Survey  
KANSAS DRILLERS LOG

15-193-20145

API No. 15 — County — Number —

Operator  
Donald C. Slawson

Address  
200 Douglas Building, Wichita, Kansas 67202

Well No. 1 Lease Name Van Vliet 'A'

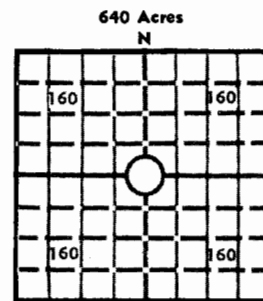
Footage Location  
1650' feet from (N) (S) line 2310' feet from (E) (W) line

Principal Contractor Slawson Drilling Co., Inc. Geologist Rene' Stucky

Spud Date 8/25/77 Total Depth 4780 P.B.T.D. 4735'

Date Completed — Oil Purchaser Koch

S. 3 T. 10 R. 33W E  
Loc. NE SE NW  
County Thomas



Elev.: Gr. 3137  
DF 3140 KB 3142

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 |
|-------------------|-------------------|---------------------------|----------------|---------------|-------------|-------|----------------------------|
| Surface           | 12 1/4"           | 8 5/8"                    | 24#            | 401           | 60/40 poz   | 275   | 2% gel, 3% cc              |
| Production        | 7 7/8"            | 4 1/2"                    | 10.5#          | 4773'         | 50/50 poz   | 225   | 18% salt, 3/4 of           |
|                   |                   |                           |                |               |             |       | 1% CFR-2, 2# per           |
|                   |                   |                           |                |               |             |       | 500 gal mud flush,         |
|                   |                   |                           |                |               |             |       | 10# sugar                  |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type  | Depth interval   |
|----------|-------------|--------------|---------------|--------------|------------------|
|          |             |              | 2             | 3/8" bullets | 4611-13, 4621-23 |
|          |             |              | 1             | 3/8" bullet  | 4256 - 4273      |
|          |             |              | 2             | golden jets  | 4253-58, 4272-75 |

TUBING RECORD

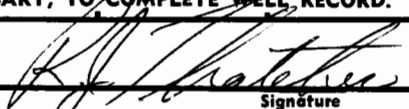
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| 500 gal MOD-202                  | 4611-13, 4621-23       |
| 1000 gal NE-28                   | 4256' - 4273'          |
|                                  |                        |

INITIAL PRODUCTION

|                                                    |                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------|
| Date of first production<br>8-26-77                | Producing method (flowing, pumping, gas lift, etc.)<br>Pumping  |
| RATE OF PRODUCTION<br>PER 24 HOURS                 | Oil 192 bbls<br>Gas none<br>Water none<br>Gas-oil ratio<br>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.

|                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           |                                                                         |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------|
| Operator<br>Donald C. Slawson                                                                                                                                                                                       |                                                                                                                                                                                                                                                           | DESIGNATE TYPE OF COMP.: OIL, GAS,<br>DRY HOLE, SWDW, ETC.:<br>oil      |      |
| Well No.<br>#1                                                                                                                                                                                                      | Lease Name<br>Van Vliet                                                                                                                                                                                                                                   |                                                                         |      |
| S <u>3</u> T <u>10</u> R <u>33</u> <sup>W</sup>                                                                                                                                                                     |                                                                                                                                                                                                                                                           |                                                                         |      |
| <b>WELL LOG</b>                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           | SHOW GEOLOGICAL MARKERS, LOGS RUN,<br>OR OTHER DESCRIPTIVE INFORMATION. |      |
| 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. |                                                                                                                                                                                                                                                           |                                                                         |      |
| FORMATION DESCRIPTION, CONTENTS, ETC.                                                                                                                                                                               | TOP                                                                                                                                                                                                                                                       | BOTTOM                                                                  | NAME |
| 0 - 405 Surface hole                                                                                                                                                                                                |                                                                                                                                                                                                                                                           |                                                                         |      |
| 405 - 1751 Shale and shells                                                                                                                                                                                         |                                                                                                                                                                                                                                                           |                                                                         |      |
| 1751 - 2275 Shale, sand and shells                                                                                                                                                                                  |                                                                                                                                                                                                                                                           |                                                                         |      |
| 2275 - 2650 Shale and sand                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |                                                                         |      |
| 2650 - 2677 Anhydrite                                                                                                                                                                                               |                                                                                                                                                                                                                                                           |                                                                         |      |
| 2677 - 3086 Shale                                                                                                                                                                                                   |                                                                                                                                                                                                                                                           |                                                                         |      |
| 3086 - 4060 Lime and Shale                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |                                                                         |      |
| 4060 - 4432 Lime                                                                                                                                                                                                    |                                                                                                                                                                                                                                                           |                                                                         |      |
| 4432 - 4551 Lime and Shale                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |                                                                         |      |
| 4551 - 4780 Lime                                                                                                                                                                                                    |                                                                                                                                                                                                                                                           |                                                                         |      |
| 4780 RTD                                                                                                                                                                                                            |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #1 4033-4060 (TORO), 30-45-45-60, W-GB,<br>Rec. 270' MSW, IFP 20-82#, ISIP 1223#, FFP<br>82-134#, FSIP 1192#                                                                                                    |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #2 4086-4115 (35' zn) 30-45-45-60,<br>Rec. 5' O, 805' MSW, IFP 31-224#, ISIP 1264#,<br>FFP 224-407#, FSIP 1243#                                                                                                 |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #3 4112-4128 (50' zn), 30-45-45-60,<br>Rec. 60' CO 30°, 210' SMO, 150' MSW, IFP<br>31-102#, ISIP 1284#, FFP 102-204#, FSIP 1274#                                                                                |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #4 4146-4155 (70' zn), 30-45-45-60, W-GB,<br>Rec. 105' GIP, 135' CO 32°, 60' MO, (13% M, 87% O)<br>IFP 20-41#, ISIP 1264#, FFP 41-92#, FSIP 1233#                                                               |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #5 4240-4270 (160' zn), 30-45-45-60,<br>W-SB, Rec. 525' GIP, 135' CGO 41°, 120' OGCM<br>(BGO 45% O, 20% W, 35% M), IFP 20-71#, ISIP<br>926#, FFP 71-112#, FSIP 916#                                             |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #6 4278-4290 (180' zn) 30-45-45-60, Rec.<br>5' CO 36°, 15' SOCM, IFP 20-31#, ISIP 132#, FFP<br>31-41#, FSIP 71#                                                                                                 |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #7 4214-4240 (Straddle 140' zn)<br>30-45-45-60, Rec. 285' MSW, sli scum oil on top,<br>IFP 31-92#, ISIP 1264#, FFP 92-143#, FSIP 1233#                                                                          |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #8 4283-4345 (200&220' zn), 30-45-45-60,<br>Rec. 390' MSW, IFP 41-163#, ISIP 1182#, FFP 116-244#,<br>FSIP 1038#                                                                                                 |                                                                                                                                                                                                                                                           |                                                                         |      |
| DST #9 4576-4650 (JH ZN) 30-45-45-60, Wk to FB,<br>Rec. 160' TM w/ sc O, IFP 31-102#, ISIP 448#, FFP<br>102-143#, FSIP 387#                                                                                         |                                                                                                                                                                                                                                                           |                                                                         |      |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.                                                                                                                                                       |                                                                                                                                                                                                                                                           |                                                                         |      |
| Date Received                                                                                                                                                                                                       | <div style="text-align: right;"> <br/>           Signature<br/>           R.J. Thatcher<br/>           Title<br/>           1/9/70<br/>           Date         </div> |                                                                         |      |

1076L

WELL LOG

3-10-33W

OPERATOR: Donald C. Slawson  
200 Douglas Building  
Wichita, Kansas 67202

LEASE: #1 Van Vliet 'A'  
NE SE NW Sec. 3-10-33W  
Thomas County, Kansas

CONTRACTOR: Slawson Drilling Co., Inc.

COMMENCED: July 25, 1977

COMPLETED: August 5, 1977

CASING: Surface - 8 5/8" @ 401' w/275 sx 60/40 poz  
Production - 4 1/2" @ 4773' w/225 sx 50/50 poz

|             |                        |
|-------------|------------------------|
| 0 - 405     | Surface hole           |
| 405 - 1751  | Shale and shells       |
| 1751 - 2275 | Shale, sand and shells |
| 2275 - 2650 | Shale and sand         |
| 2650 - 2677 | Anhydrite              |
| 2677 - 3086 | Shale                  |
| 3086 - 4060 | Lime and Shale         |
| 4060 - 4432 | Lime                   |
| 4432 - 4551 | Lime and Shale         |
| 4551 - 4780 | Lime                   |
| 4780        | RTD                    |

STATE OF KANSAS       )  
                              )  
COUNTY OF SEDGWICK   )

SS.

I, R.J. Thatcher, of the Slawson Drilling Co., Inc. upon oath state that the above and foregoing is a true and correct copy of the log of the #1 Van Vliet 'A' well.

  
R.J. Thatcher

Subscribed and sworn to before me this 30th day of August, 1977.