

KANSAS DRILLERS LOG

API No. 15 — 207 — 21446  
 County Number

Operator  
Mack C. Colt Inc.

Address  
P.O. Box 388 Iola, Ks. 66749

Well No. #4 A Lease Name LouK

Footage Location  
960 feet from XX (S) line 370 feet from XX (W) line

Principal Contractor Company tools Geologist None

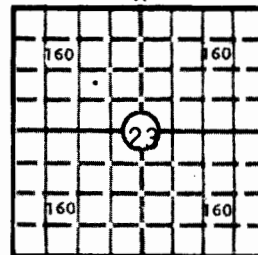
Spud Date 5-10-79 Total Depth 1310 P.B.T.D. 1308

Date Completed 6-22-79 Oil Purchaser Koch Oil Co.

15-207-21446  
 23-26-14E  
 S. 23 T. 24S R. 14E W  
 Loc. 960' FSL 370 FWL E/2 NW/4

County Woodson

640 Acres  
 N



Locate well correctly

Elev.: Gr. 945.9

DF \_\_\_\_\_ KB \_\_\_\_\_

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"                    | 20             | 214           | Neat        | 80    |                            |
| Casing            | 6 3/4"            | 4 1/2"                    | 10.5           | 1308          | Neat        | 250   |                            |
|                   |                   |                           |                |               |             |       |                            |
|                   |                   |                           |                |               |             |       |                            |

LINER RECORD

PERFORATION RECORD

| Top, ft.           | Bottom, ft.               | Sacks cement              | Shots per ft. | Size & type    | Depth interval  |
|--------------------|---------------------------|---------------------------|---------------|----------------|---|
|                    |                           |                           |               |                | 1263 1/2, 1265 1/2, 1268  |
|                    |                           |                           | Irregular     | 28 gr.-1 glass | 1270 1/2, 1273, 1275 1/2, 1278 1/2, 1279 1/2, 1281 1/2, 1283 1/2. |
| Size <u>2 3/8"</u> | Setting depth <u>1260</u> | Packer set at <u>none</u> |               |                |   |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used                        | Depth interval treated |
|---|------------------------|
| 500# - 20-40 sand - 1500# 12-30 sand - 1700# 10-20 sand | 1263 1/2 - 1283 1/2    |
|   |                        |
|   |                        |

INITIAL PRODUCTION

|  |  |
|--|--|
| Date of first production<br><u>6-23-79</u>                         | Producing method (flowing, pumping, gas lift, etc.)<br><u>Pumping</u>              |
| RATE OF PRODUCTION PER 24 HOURS                                    | Oil <u>8.3</u> bbls. Gas ----- MCF Water <u>2.4</u> bbls. Gas-oil ratio ----- CFPB |
| Disposition of gas (vented, used on lease or sold)<br><u>lease</u> | Producing interval (s)<br><u>1263 1/2 - 1283 1/2</u>                               |

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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

operator

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Mack C. Colt, Inc.

|                 |                    |     |
|-----------------|--------------------|-----|
| Well No.<br>4 A | Lease Name<br>Louk | oil |
|-----------------|--------------------|-----|

|                          |
|--------------------------|
| S 23 T 24 R 14 E<br>26 W |
|--------------------------|

**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 |
|---------------------------------------|------|--------|------|-------|
| Sand stone and clay                   | 0    | 15     |      |       |
| Lime                                  | 15   | 19     |      |       |
| Sandy shale                           | 19   | 27     |      |       |
| Shale                                 | 27   | 210    |      |       |
| Lime                                  | 210  | 216    |      |       |
| Shale                                 | 216  | 220    |      |       |
| Lime                                  | 220  | 255    |      |       |
| Shale                                 | 255  | 261    |      |       |
| Lime                                  | 261  | 312    |      |       |
| Shale                                 | 312  | 318    |      |       |
| Lime                                  | 318  | 327    |      |       |
| Shale                                 | 327  | 331    |      |       |
| Lime                                  | 331  | 391    |      |       |
| Shale                                 | 391  | 411    |      |       |
| Lime                                  | 411  | 471    |      |       |
| Shale                                 | 471  | 484    |      |       |
| Lime                                  | 484  | 486    |      |       |
| Shale                                 | 486  | 554    |      |       |
| Lime                                  | 554  | 644    |      |       |
| Shale                                 | 644  | 655    |      |       |
| Lime                                  | 655  | 676    |      |       |
| Shale                                 | 676  | 678    |      |       |
| Lime                                  | 678  | 720    |      |       |
| Shale/Limey                           | 720  | 853    |      |       |
| Shale                                 | 853  | 857    |      |       |
| Lime                                  | 857  | 872    |      |       |
| Shale                                 | 872  | 945    |      |       |
| Shaley sand                           | 945  | 965    |      |       |
| Lime                                  | 965  | 982    |      |       |
| Shale                                 | 982  | 984    |      |       |
| Lime                                  | 984  | 990    |      |       |
| Shale                                 | 990  | 998    |      |       |
| Lime                                  | 998  | 1002   |      |       |
| Shale                                 | 1002 | 1018   |      |       |
| Lime                                  | 1018 | 1034   |      |       |
| Shale                                 | 1034 | 1043   |      |       |
| Lime                                  | 1043 | 1051   |      |       |
| Shale                                 | 1051 | 1062   |      |       |
| Sand                                  | 1062 | 1071   |      |       |
| Shale                                 | 1071 | 1256   |      |       |
| Siltstone                             | 1256 | 1258   |      |       |
| Shale                                 | 1258 | 1260   |      |       |

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

|               |          |      |      |                     |
|---------------|----------|------|------|---------------------|
| Date Received | Oil sand | 1260 | 1292 | <i>Mack C. Colt</i> |
|               | Shale    | 1296 | 1310 |                     |
|               |          |      |      | Signature           |
|               |          |      |      | President           |
|               |          |      |      | Title               |
|               |          |      |      | 9-18-79             |
|               |          |      |      | Date                |

200226