

KANSAS DRILLERS LOG

DUPLICATE
 State Geological Survey
 WICHITA, BRANCH

S. 6 T. 11S R. 24 ^KW
 Loc. NW NE NW
 County Trego

API No. 15 — 195 — 20,793
 County Number

Operator
 K & E DRILLING, INC.

Address
 100 South Main, Suite 300, Wichita, Kansas 67202

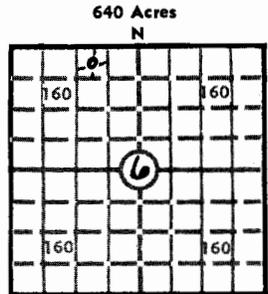
Well No. #2 Lease Name Gardner

Footage Location
 330 feet from (N) ~~WX~~ line 990 feet from (E) ~~WX~~ line

Principal Contractor Geologist
 Abercrombie Drilling, Inc. Steve Kridler

Spud Date Total Depth P.B.T.D.
 5/21/81 4040' 4007'

Date Completed Oil Purchaser
 5/29/81 Koch Oil Company



Elev.: Gr. 2419'
 DF _____ KB 2424'

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# | 322 KB | common | 220 | 2% gel 3% CaCl |
| Production | 7 7/8" | 4 1/2" | 9.5# 10.5# | 4039 1/2' | 60/40 poz | 150 | 2% gel 10% salt 3/4% CFR-2 1/4% D-Air |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|---------------|---------------|---------------|---------------|-------------|----------------|
| TUBING RECORD | | | 4 | SSB-DP | 3967' - 3973' |
| Size | Setting depth | Packer set at | | | |
| 2 3/8" | 4004' | None | | | |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|---|------------------------|
| 350 gal. 15% mud acid, 2,000 gal. 15% NE acid | 3967' - 3973' |

INITIAL PRODUCTION

| | | | | | |
|--|---|---------|------------------------|---------------|--|
| Date of first production | Producing method (flowing, pumping, gas lift, etc.) | | | | |
| June 5, 1981 | Pumping | | | | |
| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio | |
| | 30 bbls. | -0- MCF | 16 bbls. | CFPB | |
| Disposition of gas (vented, used on lease or sold) | | | Producing interval (s) | | |
| | | | 3967' - 3973' | | |

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
K & E DRILLING, INC.

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

Well No. #2 Lease Name Gardner

S 6 T 11S R 24 ^K/_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 & Clay | 0 | 325 | <u>E-Log Tops</u> | |
| Shale | 325 | 1601 | | |
| Sand | 1601 | 1777 | Anhydrite | 2045 |
| Shale | 1777 | 2046 | B/Anhydrite | 2085 |
| Anhydrite | 2046 | 2091 | Heebner | 3720 |
| Shale | 2091 | 3569 | Toronto | 3741 |
| Shale & Lime | 3569 | 3819 | Lansing | 3758 |
| Lime | 3819 | 3992 | B/Kansas City | 4004 |
| Lime & Shale | 3992 | 4040 | LTD | 4039 |
| | | | | |
| <u>DST #1 (3752'-3800')</u> | | | | |
| 30/30/30/30 | | | | |
| Rec. 15' mud | | | | |
| FP's 21#-10#/10#-10# | | | | |
| SIP's 31#/21# | | | | |
| | | | | |
| <u>DST #2 (3817'-3843')</u> | | | | |
| 45/45/75/75 | | | | |
| Rec. 30' mud & 330' water | | | | |
| FP's 63#-106#/138#-181# | | | | |
| SIP's 1077#/1077# | | | | |
| | | | | |
| <u>DST #3 (3910'-3992')</u> | | | | |
| 30/30/30/30 | | | | |
| Rec. 10' mud | | | | |
| FP's 42#-42#/42#-42# | | | | |
| SIP's 53#/42# | | | | |
| | | | | |
| <u>DST #4 (3940'-3992')</u> | | | | |
| Misrun | | | | |
| | | | | |
| <u>DST #5 (3932'-3992') (J,K&L zones)</u> | | | | |
| 45/45/45/45 | | | | |
| Rec. 465' GIP, 30' FO, 105' HO & GCM | | | | |
| FP's 46#-108#/124#-155# | | | | |
| SIP's 1203#/1101# | | | | |

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

| | |
|---------------|-------------------------|
| Date Received | <i>Wayne L. Binegar</i> |
| | Signature |
| | President |
| | Title |
| | June 9, 1981 |
| | Date |

97796

6-11-24W

State Geological Survey
WICHITA BRANCH

CONTRACTOR'S WELL LOG

OPERATOR: K & E Petroleum, Inc.
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: GARDNER #2
 LOCATION: NW NE NW, Section 6-11S-24W
 Trego County, Kansas
 SPUD DATE: 5/21/81
 COMPLETION DATE: 5/29/81

| | | |
|------|------|--------------------|
| 0 | 325 | Sand & Clay |
| 325 | 1601 | Shale |
| 1601 | 1777 | Sand |
| 1777 | 2046 | Shale |
| 2046 | 2091 | Anhydrite |
| 2091 | 3569 | Shale |
| 3569 | 3819 | Shale & Lime |
| 3819 | 3992 | Lime |
| 3992 | 4040 | Lime & Shale |
| | 4040 | Rotary Total Depth |

Spud @ 4:45 p.m., 5/21/81. Drilled 325' of a 12 1/4" hole. Ran 8 joints of 8 5/8" - 20# casing (tally 317.31) Set @ 322' K.B. Cemented with 220 sacks of common 2% gel, 3% c.c. Cement did circulate. Plug down @ 11:15 p.m., 5/21/81. Drilled plug @ 5:15 a.m., 5/22/81.

T.D. @ 4040'. Ran 101 joints of 4 1/2" - 9 1/2# casing (tally 4063.14) Set @ 4039.50' K.B. Cemented with 150 sacks of 60-40 posmix, 10% salt, 3/4 of 1% CFR-2, 1/4% De-Air preceded with 20 bbls. salt flush, 40 barrels mud and thinner, Visc. 33. Job completed @ 7:10 p.m., 5/29/81. Float did hold.

SAMPLE TOPS:

Anhydrite 2046'
 B/Anhydrite 2091'

STATE OF KANSAS)
) SS
 COUNTY OF SEDGWICK)

Jack L. Partridge, Vice President of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the GARDNER #2 well, Section 6-11S-24W, Trego County, Kansas.

RECEIVED
 STATE CORPORATION COMMISSION
 JUN - 8 1981
 ABERCROMBIE DRILLING, INC.
 CONSERVATION