15-009-21363

State Geological Survey
WICHITA BRANCH

# KANSAS DRILLERS LOG

S. 21 T. 18 R. 13 E/W

API No. 15 — 009 (County) — 21,363 (Number)

Loc. C E2 SW NE

County Barton

640 Acres
N

Locate well correctly

Elev.: Gr. 1810'

DF 1815' KB 1818'

Operator: K & E Petroleu, Inc. and Halliburton Oil Prod. Co.

Address: 816 Union Center Wichita, Kansas 67202

Well No.: #2

Lease Name: Miller

Footage Location: 1980 feet from (N) (S) line 1650 feet from (E) (W) line

Principal Contractor: Abercrombie Drilling, Inc.

Geologist: Kenneth Wallace

Spud Date: April 26, 1978

Total Depth: 3343'

P.B.T.D.:

Date Completed: May 3, 1978

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 |
|---|---|---|---|---|---|---|---|
| Surface | 12 1/4" | 8-5/8" | 28# | 527' | 50/50 Poxmix | 300 | 3% ca.cl. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## LINER RECORD

| Top, ft. | Bottom, ft. | Sacks cement |
|---|---|---|
| | | |

## TUBING RECORD

| Size | Setting depth | Packer set at |
|---|---|---|
| | | |

## PERFORATION RECORD

| Shots per ft. | Size & type | Depth interval |
|---|---|---|
| | | |
| | | |

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|---|---|
| | |
| | |
| | |

## INITIAL PRODUCTION

Date of first production:

Producing method (flowing, pumping, gas lift, etc.):

| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio |
|---|---|---|---|---|
| | bbls. | MCF | bbls. | 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.

C-10-1972

| Operator | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
|---|---|
| K & E Petroleum, Inc. & Halliburton Oil Producing Co. | |

| Well No. | Lease Name | |
|---|---|---|
| 2 | MILLER | Dry Hole |

S 21 T 18S R 13 E/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 |
|---|---|---|
| Clay and Sand | 0 | 270 |
| Sand and Shale | 270 | 527 |
| Red bed, shells and shale | 527 | 1213 |
| Shale and Lime | 1213 | 2135 |
| Lime and Shale | 2135 | 3328 |
| Lime, Shale and Chert | 3328 | 3333 |
| Lime and Shale | 3333 | 3343 |
| RTD | | 3343 |

DST #1 (3290-3319) 30/30/30/30
Rec. 5' mud. FP's 20#-20#/20#-20#; SIP's 50#/40#.

DST #2 (3319-3328) 30/60/30/60
Rec. 10' SOCM. FP's 10#-20#/20#-20#; SIP's 910#/707#.

DST #3 (3323-3333) 30/60/30/60
Rec. 20' oil, 50' OCM. FP's 20#-40#/40#-60#; SIP's 707#/545#.

DST #4 (3333-3343) 60/60/60/60
20' oil, 110' water. FP's 40#-70#/70#-91#; SIP's 849#/737#.

| NAME | DEPTH |
|---|---|
| SAMPLE TOPS: | |
| Anhydrite | 725 |
| Base/Anhy. | 745 |
| Wabaunsee | 2326 |
| Indian Dave | 2387 |
| Stotler | 2450 |
| Tarkio | 2511 |
| Bern | 2585 |
| Howard | 2651 |
| Topeka | 2686 |
| Queen Hill | 2888 |
| Heebner | 2972 |
| Toronto | 2983 |
| Br. Lime | 3059 |
| Lansing-KC | 3074 |
| Conglomerate | 3300 |
| Arubckle | 3315 |
| RTD | 3343 |

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

Date Received

Wayne L. Brinegar
Signature

Wayne L. Brinegar
Vice President
Title

May 10, 1978
Date

190001

State Geological Survey CONTRACTOR'S WELL LOG 15-009-21363

WICHITA BRANCH

21-18-13W

| | |
|---|---|
| OPERATOR: | K & E Petroleum, Inc. and Halliburton Oil Producing Company |
| CONTRACTOR: | Abercrombie Drilling, Inc. |
| WELL NAME: | Miller #2 |
| LOCATION: | C E/2 SW NE Section 21-18S-13W Barton County, Kansas |
| SPUD DATE: | April 27, 1978 |
| COMPLETION DATE: | May 3, 1978 |

| | | |
|---|---|---|
| 0 | 270 | Clay & sand |
| 270 | 527 | Sand & shale |
| 527 | 1213 | Red bed, shells & shale |
| 1213 | 2135 | Shale & lime |
| 2135 | 3328 | Lime & shale |
| 3328 | 3333 | Lime, shale & chert |
| 3333 | 3343 | Lime & shale |
| | 3343 | Rotary Total Depth |

Spud hole at 6:45 p.m., April 27, 1978. Drilled 527' of 12¼" hole. Ran 13 joints of 8-5/8" - 28# casing. Set at 527' with 300 sacks of posmix, 3% CaCl. Cement did circulate, plug was down at 7:00 a.m., April 26, 1978.

T. D. 3343'. Set first plug at 450' with 50 sacks, 2nd plug at 40' with 10 sacks, third plug in rathole with two sacks. Job complete at 7:00 p.m., May 3, 1978.

SAMPLE TOPS:

| | |
|---|---|
| Anhydrite | 725 (+1093) |
| B/Anhydrite | 745 (+1073) |

STATE OF KANSAS )
) ss
COUNTY OF SEDGWICK )

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the Miller #2, C E/2 SW NE Section 21-18S-13W, Barton County, Kansas.

ABERCROMBIE DRILLING, INC.

By Jack L. Partridge
Jack L. Partridge, Ass't. Sec.-Treas.

Notary Public in and for the aforesaid county