

STATE OF KANSAS
STATE CORPORATION COMMISSION
500 COLORADO DERRY BUILDING
TOPEKA, KANSAS 67202

WELL PLUGGING RECORD

API NUMBER B-109-20091-00-0

TYPE OR PRINT
PLEASE FILL OUT COMPLETELY
AND MAKE REQUIRED AFFIDAVIT.

LEASE NAME Holmberg #1

WELL NUMBER _____

SPOT LOCATION C SW SE

SEC. 19 TWP. 12S RGE. 35W (E) OR (W)

COUNTY Logan

DATE WELL COMPLETED _____

PLUGGING COMMENCED 11/4/83

PLUGGING COMPLETED 11/9/83

LEASE OPERATOR A.L. Abercrombie, Inc.

ADDRESS R R 1- Box 56, Great Bend, Kansas

PHONE # () _____ OPERATORS LICENSE NO. _____

CHARACTER OF WELL
(OIL, GAS, D&A, SWD, INPUT, WATER SUPPLY WELL)

DID YOU NOTIFY THE KCC/KDHE JOINT DISTRICT OFFICE PRIOR TO PLUGGING THIS WELL? Yes

WHICH KCC/KDHE JOINT OFFICE DID YOU NOTIFY? Hays

IS ACO-1 FILED? _____ IF NOT, IS WELL LOG ATTACHED? _____

PRODUCING FORMATION _____ DEPTH TO TOP _____ BOTTOM _____ T.D. 4750'

SHOW DEPTH AND THICKNESS OF ALL WATER, OIL AND GAS FORMATIONS.

OIL, GAS OR WATER RECORDS

CASING RECORD

| FORMATION | CONTENT | FROM | TO | SIZE | PUT IN | PULLED OUT |
|-----------|---------|------|----|--------|---------|------------|
| | | | | 8 5/8 | 284 1/2 | none |
| | | | | 4 1/2" | 4748' | 1481' |
| | | | | | | |
| | | | | | | |

DESCRIBE IN DETAIL THE MANNER IN WHICH THE WELL WAS PLUGGED, INDICATING WHERE THE MUD FLUID WAS PLACED AND THE METHOD OR METHODS USED IN INTRODUCING IT INTO THE HOLE. IF CEMENT OR OTHER PLUGS WERE USED STATE, THE CHARACTER OF SAME AND DEPTH PLACED, FROM FEET TO FEET EACH SET.

Pushed plug to 4490', ran 4 sacks cement, sand to 4440' & 4 sacks cement.
Shot pipe at 3808', 3404', 3000', 2497', 1998', & 1481'. Pulled 48 joints.
Plugged well with 2 hulls, 40 gel, & 170 sacks 50/50 poz 6% gel 3% c.c.
Plugging complete.

(IF ADDITIONAL DESCRIPTION IS NECESSARY, USE BACK OF THIS FORM.)

NAME OF PLUGGING CONTRACTOR Kelso Casing Pulling LICENSE No. 6050
ADDRESS Box 347, Chase, Ks. 67524

STATE OF Kansas COUNTY OF Rice, SS.

R. Darrell Kelso (EMPLOYEE OF OPERATOR) OR OPERATOR) OF ABOVE-DESCRIBED WELL, BEING FIRST DULY SWORN ON OATH, SAYS: THAT I HAVE KNOWLEDGE OF THE FACTS, STATEMENTS, AND MATTERS HEREIN CONTAINED AND THE LOG OF THE ABOVE-DESCRIBED WELL AS FILED THAT THE SAME ARE TRUE AND CORRECT, SO HELP ME GOD.

(SIGNATURE) R. Darrell Kelso

(ADDRESS) Box 347, Chase, Ks. 67524

SUBSCRIBED AND SWORN TO BEFORE ME THIS 15 DAY OF November, 1983

Irene Hoover
NOTARY PUBLIC



MY COMMISSION EXPIRES: _____

RECEIVED
STATE CORPORATION COMMISSION

NOV 17 1983

11-17-1983

CONFIDENTIAL

FORM CP-4
REVISED 06-83

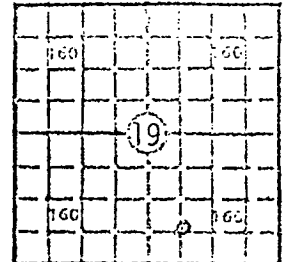
KANSAS DRILLERS LOG

S. 19 T. 12S R. 35 ^E/_W

Loc. C SW SE

County Logan

640 Acres
N



Locate well correctly ✓

Elev.: Gr. 3189'

DF 3192' KB 3194'

API No. 15 — 109 — 20091-00-00
County Number

Operator
Abercrombie Drilling, Inc.

Address
801 Union Center, Wichita, Kansas 67202

Well No. 1 Lease Name HOLMBERG

Footage Location
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Abercrombie Drilling, Inc. Geologist Orlin Phelps

Spud Date October 6, 1977 Total Depth 4750' P.B.T.D.

Date Completed November 8, 1977 Oil Purchaser Koch Oil Company

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 | 12½" | 8-5/8" | | 284.52 | Common | 200 | 2% gel 3% CaCl |
| Production | 7-7/8" | 4½" | 10½# | 4748' | 50/50 Posmix | 50 | 2% gel 12½# gilsonite/sa |
| | | | | | Common | 100 | 2% gel, salt satu rated centralizer |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
| | | | 4 | | 4499-4502 |

TUBING RECORD

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

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| 500 gal. 15% Non-E Acid | 4499-4502 |
| STP | |

INITIAL PRODUCTION

| | | | |
|--|--|--|----------------|
| Date of first production | Producing method (flowing, pumping, gas lift, etc.) Pumping | AUG 24 1983 08-24-1983 Wichita, Kansas | |
| RATE OF PRODUCTION PER 24 HOURS | Oil 21 bbls. | Gas Trace MCF | Water XXX CFPB |
| Disposition of gas (vented, used on lease or sold) | | Producing interval(s) 4499-4502 | |

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

| | |
|--|------------------------|
| Well No. 1 | Lease Name HOLMBERG |
| S 19 T 12S R 35 ^{EX} _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 & shale | 0 | 2498 | SAMPLE TOPS: | |
| Shale & shells | 2498 | 2597 | Anhydrite | 2597 (+597) |
| Anhydrite | 2597 | 2621 | B/Anhydrite | 2621 (+573) |
| Shale & shells | 2621 | 3331 | Topeka | 3742 (-548) |
| Shale & lime | 3331 | 3723 | Heebner | 3965, (-771) |
| Lime & shale | 3723 | 3942 | Toronto | 3990 (-796) |
| Shale & lime | 3942 | 4015 | Lansing | 4010 (-815) |
| Lime | 4015 | 4055 | Stark Shale | 4246 (-1052) |
| Shale & lime | 4055 | 4107 | B/KC | 4343 (-1149) |
| Lime & shale | 4107 | 4160 | Fort Scott | 4502 (-1308) |
| Lime | 4160 | 4750 | Cherokee | 4540 (-1346) |
| Rotary Total Depth | | 4750 | | |
| DST#1 (3882-3942) 30", 60", 90", 60". Weak blow increased to fair. Rec. 150' watery mud. IFP 65-65, IBHP 1173, FFP 76-119, RBHP 1098. Temp. 120. | | | ELECTRIC LOG TOPS: | |
| DST#2 (3970-4005) 30", 30", 30", 30". Rec. 10' mud. IFP 65-65, IBHP 712, FFP 65-65, FBHP 680. Temp. 117. | | | Anhydrite | 2596 (+598) |
| DST#3 (4030-4055) 30", 60", 90", 60". Rec. 1020' sw with few spots oi. IFP 76-127, IBHP 1238, FFP 221-530, FBHP 1205. Temp. 120 | | | B/Anhydrite | 2618 (+576) |
| DST#4 (4088-4107) 30", 30", 30", 30". Rec. 10' mud with spots oil. FP's 54-54, IBHP 76, FBHP 151. Temp. 117. | | | Heebner | 3964 (-770) |
| DST#5 (4193-4225) 30", 60", 90", 60". Weak to fair blow. Rec. 250' watery mud with show of oil. IFP 65-76, IBHP 1313, FFP 97-162, FBHP 1238. Temp. 122. | | | Toronto | 3989 (-795) |
| DST#6 (4221-4250) 30", 60", 90", 60". Rec. 85' watery mud with few spots oil. IFP 65-65, IBHP 1355, FFP 76-86, FBHP 1313, Temp. 120. | | | Lansing | 4108 (-914) |
| DST#7 (4243-4302) 30", 60", 90", 60". Rec. 185' watery mud, 10% water. IFP 76-76, IBHP 1324, FFP 97-140, FBHP 1205. Temp. 126. | | | B/KC | 4343 (-1149) |
| DST#8 (4497-4554) 30", 60", 90", 60". Rec. 1400' gip, 100' clean oil - 310, 610' muddy frothy oil. IFP 65-130, IBHP 1248, FFP 173-303, FBHP 1173. Temp. 127. | | | Fort Scott | 4500 (-1306) |
| | | | Cherokee | 4531 (-1337) |
| | | | Mississippi | 4712 (-1518) |
| | | | LTD | 4749 (-1555) |
| | | | DTD | 4750 (-1556) |

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

| | |
|---------------|--|
| Date Received | <p><i>Jack L. Partridge</i> Signature</p> <p>Jack L. Partridge, Ass't. Secretary-Treasurer Title</p> <p>February 10, 1978 Date</p> |
|---------------|--|