

FEB 29 1988

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5493  
Name A.L. Abercrombie, Inc.  
Address 801 Union Center  
City/State/Zip Wichita, KS. 67202

Purchaser Koch Oil

Operator Contact Person Jack K. Wharton  
Phone (316) 262-1841

Contractor: License # 5422  
Name Abercrombie Drilling, Inc.

Wellsite Geologist Steve Frankamp  
Phone (316) 262-1841

Designate Type of Completion

New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWD: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable

11-24-87 12-4-87 2-5-88  
Spud Date Date Reached TD Completion Date

4680 4264  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 279 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1712 feet  
If alternate 2 completion, cement circulated  
from 1712 feet depth to Surface 400 cmt  
Cement Company Name  
Invoice #

API NO. 15-109-20,452-0000  
County Logan  
110' Not  
S/2 S/2 SW/4 Sec. 26 Twp. 11 Rge. 33 East  
440  
3960 Ft North from Southeast Corner of Section  
Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Bertrand "E" Well # 3  
Field Name Hubert  
Producing Formation Lansing-KC  
Elevation: Ground 3903 KB 3098

Section Plat

Table with 7 columns and 13 rows representing a section plat. The bottom row contains an 'X' in the second column. Vertical labels on the right side of the table range from 5280 to 330.

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # T-88-09

Groundwater 2640 Ft North from Southeast Corner  
(Well) 462 Ft West from Southeast Corner of  
Sec 2 Twp 12 Rge 33 East  West  
 Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West  
 Other (explain)  
(purchased from city, R.W.D. #)

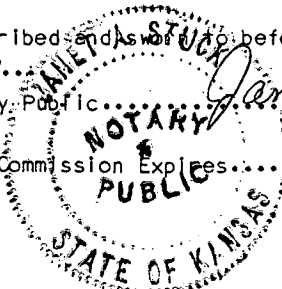
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with this form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Jack K. Wharton  
Title Vice President Date 2-29-88

Subscribed and sworn to before me this 29th day of February 1988  
Notary Public James A. Stuck  
Date Commission Expires Dec. 29, 1990

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
RECEIVED STATE CORPORATION COMMISSION FEB 15 1988



Wichita, Kansas

Form ACO-1 (5-86)

Wichita, Kansas

Operator Name ..... A.L. Abercrombie, Inc. .... Lease Name..... Bertrand "E" ..... Well #..... 3

Sec..... 26 ..... Twp..... 11 ..... Rge..... 33 .....  East  West County..... Logan

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description

Log  Sample

DST #1  
 (4102'-4123')  
 30-45-60-45  
 REC. 800' GIP; 350' CGO (37°); 50' OCMW (60% water, 5% oil); IFP 87-109; FFP 141-185; ISIP 1125; FSIP 1060.

DST #2  
 (4167'-4200')  
 30-45-60-45;  
 Rec. 540' GIP; 90' oil (39°); 60' OCM (5% oil);  
 IFP 121-121; FFP 143-143; ISIP 694; FSIP 683.

DST #3  
 (4202'-4252')  
 30-45-60-45, gas to surface on final shut in;  
 990' clean gassy oil (40°); 60' oil cut mud (15% oil); 60' slightly oil cut mud (3% oil 10% water); IFP 209-242; FFP 352-451; ISIP 1037; FSIP 1004.

| Name       | Top   | Bottom  |
|------------|-------|---------|
| ANHY       | 2588' | (+510)  |
| BAnhy      | 2612' | (+486)  |
| Heeb       | 4002' | (-904)  |
| Lans       | 4038' | (-940)  |
| Stark      | 4257' | (-1159) |
| BKC        | 4345' | (-1247) |
| Marm       | 4354' | (-1256) |
| Ft. Scott  | 4516' | (-1418) |
| Cher. SH.  | 4544' | (-1446) |
| John. Zone | 4587' | (-1489) |
| Miss       | 4651' | (-1553) |
| LTD        | 4678' | (-1580) |
| DTD        | 4680' | (-1582) |

CASING RECORD  New  Used  
 Report all strings set-conductor, surface, intermediate, production, etc.

| Purpose of String | Size Hole Drilled | Size Casing Set (in O.D.) | Weight Lbs/Ft. | Setting Depth | Type of Cement | #Sacks Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|----------------|---------------|----------------|-------------|----------------------------|
| Surface           | 12 1/4            | 8 5/8                     | 20#            | 279           | Common         | 175         | 2% gel, 3% cc              |
| Production        | 7 7/8             | 4 1/2                     | 10 1/2#        | 4649          | Pos. 50-50     | 35          | 3% gel, 7 1/2# gal, #8     |
| DV tool           |                   |                           |                | 1712          | Liteweight     | 400         | 3% cc                      |

| Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|--|-------|
| 4              | 4221-4229                                   | 500 gal. 15% INS   | 4264  |
| 4              | 4191-4193                                   | 2250 gal 15% INS   | 4204  |
| 4              | 4112-4115                                   |  |       |

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

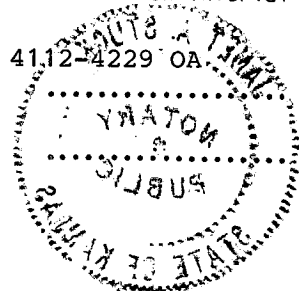
Date of First Production 2-5-88 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

| Estimated Production Per 24 Hours | Oil     | Gas | Water   | Gas-Oil Ratio | Gravity |
|-----------------------------------|---------|-----|---------|---------------|---------|
|                                   | 70 Bbls | MCF | 25 Bbls | CFPB          |         |

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  Open Hole  Other (Specify) .....  Perforation  Dually Completed  Conmingled



FEB 29 1988

SIDE TWO

Operator Name ..... Lease Name..... Well #.....

Sec..... Twp..... Rge.....  East  West County.....

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

|   |                              |                             |   |
|---|------------------------------|-----------------------------|---|
| Drill Stem Tests Taken  | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Formation Description<br><input type="checkbox"/> Log <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |   |
| Cores Taken   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |   |
| Drill Stem Tests Con't.   |                              |                             | Name                      Top                      Bottom                             |
| DST #4<br>(4252'-4274')<br>30-45-60-45; 10' free oil, 40' slightly mud cut oil (80% oil); 100' SOCMW (2% oil) (75% water, 80,000 ch); IFP 143-143; FFP 154-154; ISIP 938; FSIP 882. |                              |                             |   |
| DST #5<br>(4539'-4606') (Johnson Zone)<br>30-45-30-45; weak blow 12 inutes and died, recovered 50' mud with slight show of oil, IFP 99-99; FFP 121-121; ISIP 960; FSIP 938.         |                              |                             |   |

|   |   |  |                |   |  |             |                            |
|---|---|--|----------------|---|--|-------------|----------------------------|
| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |   |  |                |   |  |             |                            |
| Report all strings set-conductor, surface, intermediate, production, etc. |   |  |                |   |  |             |                            |
| Purpose of String   | Size Hole Drilled                           | Size Casing Set (in O.D.)  | Weight Lbs/Ft. | Setting Depth                               | Type of Cement   | #Sacks Used | Type and Percent Additives |
| .....   | .....                                       | .....  | .....          | .....                                       | .....  | .....       | .....                      |
| PERFORATION RECORD  |   |  |                | Acid, Fracture, Shot, Cement Squeeze Record |  |             |                            |
| Shots Per Foot  | Specify Footage of Each Interval Perforated |  |                | (Amount and Kind of Material Used)          |  | Depth       |                            |
| .....   | .....                                       |  |                | .....                                       |  | .....       |                            |
| TUBING RECORD   |   |  |                | Liner Run                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |             |                            |
| Date of First Production  |   | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... |                |   |  |             |                            |
| Estimated Production Per 24 Hours   | Oil   | Gas  | Water          | Gas-Oil Ratio                               | Gravity  |             |                            |
|   | Bbls  | MCF  | Bbls           | CFPB  |  |             |                            |

METHOD OF COMPLETION                      Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  Commingled

RECEIVED  
STATE CORPORATION COMMISSION  
FEB 15 1988  
CONSERVATION DIVISION  
Wichita, Kansas

RECEIVED  
STATE CORPORATION COMMISSION  
MAR - 1 1988  
CONSERVATION DIVISION  
Wichita, Kansas