

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

API NO. 15-109-20,432 - 0000

County Logan

SW SW SW 26 11 33 East
..... Sec..... Twp..... Rge..... X West

440 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

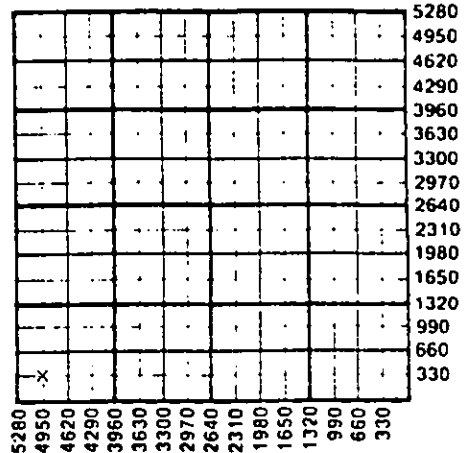
Lease Name Bertrand Well # "E" #2

Field Name Unknown Hubert

Producing Formation Cherokee

Elevation: Ground 3100 KB 3105

Section Plat



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 # T87-46

X Groundwater 440 Ft North from Southeast Corner
(Well) 4950 Ft West from Southeast Corner of
Sec 26 Twp 11 Rge 33 East X 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. #)

Operator: License # 5393
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 # 9087
Name R & C Drilling Co., Inc.

Wellsite Geologist Tom Funk
Phone (316) 686-5836

Designate Type of Completion
X New Well Re-Entry Workover

X Oil SWD Temp Abd
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

1-17-87 1-29-87 3-7-87
Spud Date Date Reached TD Completion Date

4680' 4647'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 203 feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set 1706 feet
If alternate 2 completion, cement circulated
from 1706 feet depth to surface w/ 550 SX cmt
Cement Company Name B.J. Titan Services
Invoice # PE045

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 the 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 Secretary/Treasurer Date 4-16-87

Subject and Asson to before me this 16th day of April 1988
Notary Public Clarice M. Mize
Date Commission Expires November 28, 1988

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)
RECEIVED
KANSAS CORPORATION COMMISSION

APR 17 1987 Form ACO-1 (5-86)

Sec 26 Twp 11 Rge 33

SIDE TWO

Operator Name A. L. Abercrombie, Inc. Lease Name Bertrand Well # 21

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

DST #1 (4034'-4105') 30-45-45-60, fair blow to work; 160' fluid, 40' OSM, 120' mud; IFP 89-95' FFP 116-122; ISIP 1286; FSIP 1247
 DST #2 (4107'-4130') "E" Zone Lansing; 30-45-45-60; Rec. 520' OGCM (37%); 180' HCMGO; IFP 109-128; FFP 217-296; ISIP 1270; FSIP 1227
 DST #3 (4176'-4210') "H" Zone; 30-45-45-60; Rec. 70' GIP; 50' GOCM; (10% gas, 20% oil, 70% mud); IFP 77-80; FFP 83-83; ISIP 787' FSIP 803
 DST #4 (4210'-4260') "I" & "J" Zones; 30-30-30-30; Rec. 20' SOCM (2% oil); IFP 65-65; FFP 67-67; ISIP 197; FSIP 79
 DST #5 (4260'-4290') "K" Zone Lansing; 30-45-45-60; Rec. 250' GIP; 30' clean oil (35%); 120' OGCM (12% oil, 5% gas, 83% mud); 60' muddy water, (60% water); IFP 59-65; FFP 92-108; ISIP 1011; FSIP 990
 DST #6 (4541'-4612') 30-45-45-60, Johnson Zone; GTS 20 min into 2nd open period; Rec. 60' OS gsy mud; 120' HMCO (55% oil); 120' SMC0 (80% oil); IFP 118-124; FFP 178-186; ISIP 306; FSIP 306

Name	Formation Description	
	Top	Bottom
Anhydrite	2586' (+519)	
Base Anhydrite	2611' (+494)	
Hoobner	4003' (-898)	
Lansing	4042' (-937)	
Stark Shale	4262' (-1157)	
BKC	4341' (-1236)	
Fort Scott	4515' (-1410)	
Cherokee	4542' (-1437)	
Johnson Zone	4587' (-1482)	
Mississippian	4650' (-1545)	
RTD	4680'	
LTD	4679'	

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	203	60/40 epsm	140	3% ca. cl. 6% del
Production	7-7/8	4-1/2	10-1/2	4677	Common	180	D-29.5% oil/sack
D.V. Tool				1706	Lightweight	550	

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4590-4596	500 gal. 15% INS	4647

TUBING RECORD Size 2-3/8" Set At 4638 Packer at Liner Run Yes No

Date of First Production 3-7-87 Producing Method Flowing Pumping Gas Lift Other

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas/Oil Ratio	Gravity
30 Bbls		MCF	Trace Bbls		

METHOD OF COMPLETION

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

