



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 # 9926
Name Boese Brothers
Address Box 696
City/State/Zip Monument, Kansas 67747

Purchaser KOCH

Operator Contact Person Ronald D. Boese
Phone 913-672-3545

Contractor: License #
Name Abercrombie Drilling, Inc.

Wellsite Geologist Jim Hardin
Phone 913-628-3918

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☐ 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:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

6/6/85 6/13/85 6/12/85
Spud Date Date Reached TD Completion Date
4745 2651
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 210 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 2651 feet depth to surface/600 SX cmt

API NO. 15-109-20,374
County Logan
C SE SE 20 12 33 East
Sec Twp Rge West

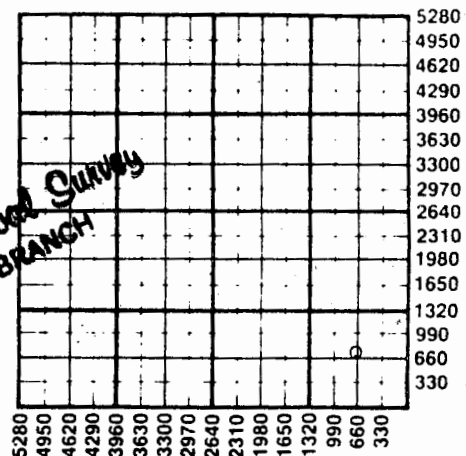
660 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Bertrand
Field Name Owen Ext. West

Producing Formation Kansas City

Elevation: Ground 3148 KB 3153
Section Plat

JUL 20 1985
State Geologist Survey
WICHITA BRANCH



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 #

☐ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☐ Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge ☐ East ☐ West

☒ Other (explain) Farm Pond
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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.

SIDE TWO

Operator Name Boese Brothers Lease Name Bertrand Well # 3Sec. 20 Twp. 12 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#1-4169-4200-60/60/60/60 1st open FP 23/290
 SIP 1196 2nd open FP 295/452 SIP 1146
 REC. 940' WATER
 DST#2-4299-4337-60/60/60/60 1st open FP 18/157
 SIP 482 2nd open FP 159/285 SIP 482
 REC. 650' WATER

Name	Top	Bottom
Anhydrite	2638	
Topeka	3833	
Heebner	4056	
Lansing/KC	4099	
Base KC	4400	
Harmaton	4436	
Ft. Scott	4591	
Cherokee	4619	
Johnson	4661	
Mississippi	4737	

JUL 26 1935
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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 1/2	210	60/100	2 1/2	2 1/2
Production	7 7/8"	4 1/2"	10 1/2	2651	White	450	
					Connor	150	2 1/2

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and Kind of Material Used)

Depth

2	2200-2250		None	
2	2120-2140		None	

TUBING RECORD Size Set At Packer at
 2 3/8" 1608 1610

Liner Run ☐ Yes ☒ No

Date of First Production | Producing Method

P 1
20-12-33

(Rig #5)

ABERCROMBIE DRILLING, INC. N

801 UNION CENTER
WICHITA, KANSAS 67202

BERTRAND #3 (Rig #5)

C SE SE
Sec. 20-12S-33W
Logan Co., KS

OPERATOR: Boese Brothers
CONTRACTOR: Abercrombie Drilling, Inc.

Boese Brothers
Monument, KS 67747

913-672-3545

Oper. # 9926
Page 2 API# 15-109-20,374

6/12/85 4680' Drlg. Cut 265'/24 hrs. 23 1/4 hrs. Drlg., 3/4 hrs. Other. Bit #2, HP-53, (SN 1289) Mud wt. 9.8, Visc. 46, PV/YP 14/32, gels 9/26. Mud wt. 9.6, ph 7, 41,000 Chl., 8.6% Sol., Daily mud \$395.00, Acc. mud \$4282.50. Bit wt. 38,000# @ 60 RPM. Pump press. 1000# @ 48 SPM.

6/13/85 TD 4745'. Cut 65'/24 hrs. 4 3/4 hrs. Drlg., 16 1/2 hrs. DW, 3 hrs. Other. Daily mud \$202.50, Acc. mud \$4485.00. Ran 63 jts. of 10 1/2" 4 1/2" casing (tally 2645.59') set @ 2651' and cemented with 450 sx. BJ Lite, followed with 150 sx. Common, 2% gel, 3% c.c. Cement did circ. Plug down 4:15 a.m., 6/13/85.

JUL 28 1985
State Geological Survey
WICHITA BRANCH