

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 # 9421
name BOGER BROTHERS DRILLING, INC.
address P.O. Box 723
City/State/Zip Great Bend, Kansas 67530

Operator Contact Person MARK BOGER
Phone 316/792-8151

Contractor: license # 9421
name BOGER BROTHERS DRILLING, INC.

Wellsite Geologist STEVEN R. MITCHELL
Phone 316/792-8151

Designate Type of Completion

New Well Re-Entry Workover

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable

1/11/86 1/17/86 1/17/86
Spud Date Date Reached TD Completion Date
4260;
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 230' feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15 - 145-21,226-0000

County PAWNEE

NE SW NW Sec 36 Twp 22 Rge 17 East West

3630 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

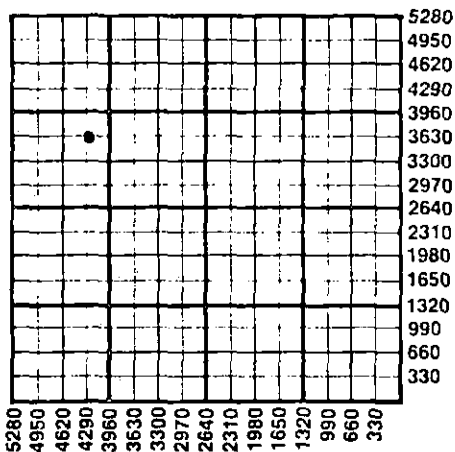
Lease Name CRANE Well# 1-367

Field Name GARFIELD POOL

Producing Formation D & A

Elevation: Ground 2052' KB 2057'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T-86-16

Groundwater 3630 Ft North From Southeast Corner and
4290 Ft West From Southeast Corner of
Sec 36 Twp 22 Rge 17 East West

Surface Water Ft North From Southeast Corner and
..... Ft West From Southeast Corner
Sec Twp Rge East West

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

Disposition of Produced Water: Disposal Repressuring

Docket #

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. Rules 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.

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 Marcus L. Boger
Title President Date 3/11/86

Subscribed and sworn to before me this 11th day of March 19 86

Notary Public Date Commission Expires 2/20/90



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 (Specify)

Form ACO-1 (This form supercedes previous forms ACO-1 & C-10) MAR 12 1986

3-12-86

Sec. 36 Twp. 22 Rge. 17

Operator Name **BOGER BROS. DRILLING, INC.**



Well# 1-36 SEC. 36 TWP. 22 RGE. 17

East
 West

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 - 4156'-4164' - Cherty Conglomerate -
 45"-45"-17"-30". BLOW: I.F. - Weak blow through-
 out - decreasing 2"-1/2". F.F. - No. blow.
 RECOVERY: 35' mud with show of oil.
 PRESSURES: IHP: 2181# FHP: 2181# IHP: 52-72#
 FFP: 52-52# ISIP: 197# FSIP: 73# T:113°F

DST #2 - 4237'-4260' - Viola - 45"-30"-30"-30"
 BLOW: I.F. - Weak building to good 1-8"
 F.F. - Strong throughout
 RECOVERY: 320' Gas in pipe, 40' Slightly oil &
 gas cut mud (5% oil, 3% gas, 92% mud)
 PRESSURES: IHP: 2337# FHP: 2337# IFP: 41-41#
 FFP: 41-41# ISIP: 93# FSIP: 62# T:117°F

Name	Top	Bottom
ANHYDRITE	1105' (+952)	
HEEBNER	3600' (-1543)	
TORONTO	3620' (-1563)	
DOUGLAS	3623' (-1576)	
IATAN	3708' (-1651)	
LANSING	3716' (-1659)	
BASE K.C.	3992' (1935)	
FT. SCOTT	4086' (-2029)	
CHEROKEE Ss.	4104' (-2047)	
CONGL.	4139' (-2082)	
KINDERHOOK	4162' (-2105)	
VIOLA	4223' (-2166)	

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#	230'	50/50 Poz.	250	2% gel, 3% c.c.

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

size set at packer at Liner Run Yes No

Date of First Production Producing method flowing pumping gas lift Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	D & A				
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented sold used on lease
 open hole perforation other (specify)
 Dually Completed.
 Commingled