

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. 15-185-22-561-0000  
County Stafford  
C. E/2 E/2 NW Sec. 5 Twp. 23S Rge. 24 East  
X West

Operator: License # 9421  
Name Boger Brothers Drilling, Inc.  
Address P. O. Box 723  
City/State/Zip Great Bend, KS 67530

3960  
2970  
Ft North from Southeast Corner of Section  
Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser Clear Creek, Inc.

Lease Name Miller Well # 2  
Field Name Wood-Ext.

Operator Contact Person Mark Boger  
Phone (316)-792-8151

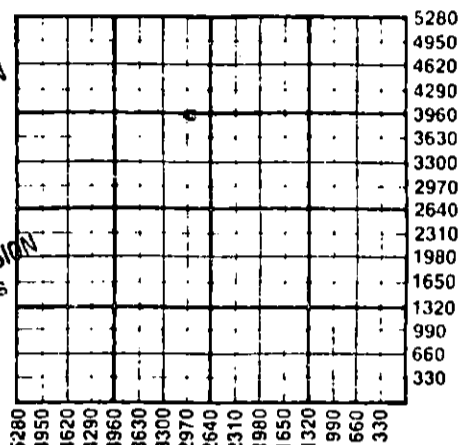
Producing Formation Lansing

Contractor: License # 8241  
Name Emphasis Oil Operations

Elevation: Ground 1962' KB 1967'

Wellsite Geologist James C. Musgrove  
Phone (316)-792-7716

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
JAN 27 1989  
1-27-89  
CONSERVATION DIVISION  
Wichita, Kansas

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.)

WATER SUPPLY INFORMATION  
Disposition of Produced Water: None Disposal  
Docket # Repressuring

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

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
12/27/88 1/3/89 1-18-89  
Spud Date Date Reached TD Completion Date  
4079'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 414 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

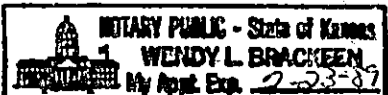
Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit #  
X Groundwater 4620 Ft North from Southeast Corner  
(Well) 2970 Ft West from Southeast Corner of  
Sec 5 Twp 23S Rge 24 East X West  
Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West  
Other (explain)  
(purchased from city, R.W.D. #)

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 Marcus J. Boger  
Title President Date 1-25-89

Subscribed and sworn to before me this 25th day of January 1989  
Notary Public Wendy L. Brackeen  
Date Commission Expires 2-23-89



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
X KCC SWD/Rep NGPA  
X KGS Plug Other  
(Specify)  
1-27-89  
Form ACO-1 (5-86)

Sec. 5 Twp. 23S Rge. 24 West

**SIDE TWO**

Operator Name Boger Brothers Drilling, Inc. Lease Name Miller Well # 2

Sec. 5 Twp. 23S Rge. 24E  East  West County Stafford

**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 - Tested 3658-3674'. 45-45-45-45"  
 Blow strong, gas to surface during 2nd shut in, too small to measure. Recovered: 375' clean gassy oil. ISIP 841, FSIP 816, IFP 33-59, FFP 100-118, HSH 1809-1792 psi

DST #2 - Tested 3677-3720'. 45-45-45-45"  
 Blow fair, increasing to strong. Recovered: 420' gas in pipe, 30' oil cut mud, 60' muddy oil. Pressures: ISIP 402, FSIP 419, IFP 98-98, FFP 118-118, HSH 1778-1760 psi

Name	Top	Bottom
Anhydrite	883	+1081
Heebner	3403	-1439
Toronto	3425	-1461
Douglas	3441	-1477
Brown Lime	3535	-1571
Lansing	3545	-1581
Base Kansas City	3782	-1818
Conglomerate	3861	-1897
Conglomerate Chert	3890	-1926
Viola	3913	-1949
Simpson Shale	3991	-2027
Arbuckle	4046	-2082
Rotary Total Depth	4079	-2115
Log Total Depth	4081	-2117

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Surface	12 1/4"	8 5/8"	20	414	50-50 poz	235	3% c.c.
Production	7 7/8"	5 1/2"	14	4080	50-50 poz	175	18% salt 75% Halas-322
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
1	3734-3749'			2000 gal Fe acid			
1	3708-3712'			500 gal 20% Fe, 1400 gal heated Fe			
1	3670-3673'			1750 gal heated Fe acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At	Packer at				
2 3/8"		3840	None				
Date of First Production		Producing Method					
1-20-89		<input type="checkbox"/> Flowing <input checked="" 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	
90 Bbls. Bbls		None	None	None			

**METHOD OF COMPLETION**

**Production Interval**

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 3745-3749  
 Used on Lease  Dually Completed ..... 3708-3712  
 Conmingled ..... 3670-3673