

SIDE ONE

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

API NO. 15- 145-21,308-0006

County Pawnee

C E/2 SE SE Sec. 21 Twp. 22 Rge. 17 East West

Operator: License # 9421

660 Ft. North from Southeast Corner of Section

Name: Boger Brothers Drilling, Inc.

330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address P. O. Box 723

Lease Name Barger Well # 1-21

City/State/Zip Great Bend, KS 67530

Field Name Wildcat

Producing Formation D & A

Purchaser: _____

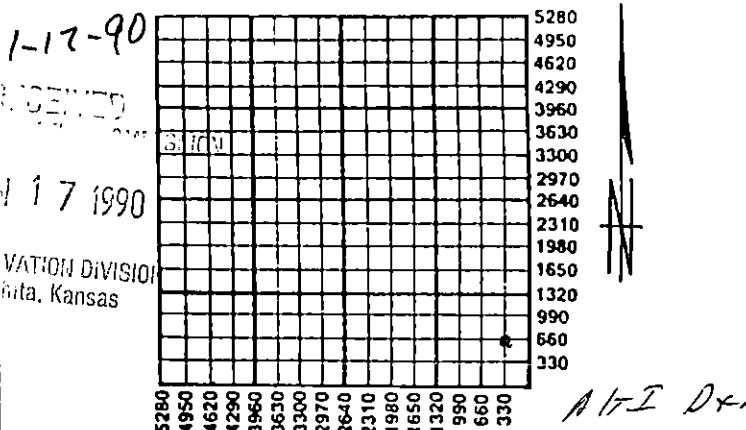
Elevation: Ground 2036 KB 2041

Operator Contact Person: Dale Smith

Total Depth 4301 PBDT _____

Phone (316) 792-8151

Contractor: Name: Boger Brothers Drilling, Inc.



License: 9421

Wellsite Geologist: J. C. Musgrove

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 _____

Drilling Method:

- Mud Rotary Air Rotary Cable

1-6-90 1-12-90 1-12-90
Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 1045 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx amt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP 4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

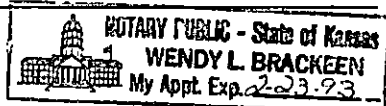
Signature Dale Smith

Title Drilling Superintendent Date 1-16-90

Subscribed and sworn to before me this 16th day of January, 19 90.

Notary Public Wendy L. Brackeen Wendy L. Brackeen

Date Commission Expires 2-23-93



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 Wireline Log Received
C Drillers Timelog Received

Distribution

KEC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

SIDE TWO

Operator Name Boger Brothers Drilling, Inc. Lease Name Barger Well # 1-21

Sec. 21 Twp. 22 Rge. 17 East West
 County Pawnee

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.) DST #1 - Tested 4023-4105'. 30-30-30-30". Blow weak slowly decreasing weak to fair. Recovered 160' mud. ISIP 447, FSIP 358, IFP 81-89, FFP 122-138.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">1045</td> <td style="text-align: center;">+996</td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">3533</td> <td style="text-align: center;">-1492</td> </tr> <tr> <td>Brown Lime</td> <td style="text-align: center;">3639</td> <td style="text-align: center;">-1598</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3650</td> <td style="text-align: center;">-1609</td> </tr> <tr> <td>Base Kansas City</td> <td style="text-align: center;">3921</td> <td style="text-align: center;">-1880</td> </tr> <tr> <td>Conglomerate Chert</td> <td style="text-align: center;">4038</td> <td style="text-align: center;">-1997</td> </tr> <tr> <td>Viola</td> <td style="text-align: center;">4098</td> <td style="text-align: center;">-2057</td> </tr> <tr> <td>Simpson</td> <td style="text-align: center;">4239</td> <td style="text-align: center;">-2198</td> </tr> <tr> <td>Simpson Sand</td> <td style="text-align: center;">4248</td> <td style="text-align: center;">-2207</td> </tr> <tr> <td>Arbuckle</td> <td style="text-align: center;">4284</td> <td style="text-align: center;">-2243</td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	1045	+996	Heebner	3533	-1492	Brown Lime	3639	-1598	Lansing	3650	-1609	Base Kansas City	3921	-1880	Conglomerate Chert	4038	-1997	Viola	4098	-2057	Simpson	4239	-2198	Simpson Sand	4248	-2207	Arbuckle	4284	-2243
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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 1/2	8 5/8	25	1045	50-50poz	460	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production D & A	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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval _____

D & A

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

15-145-21308-0000

FOR INVOICE AND
TICKET NO. 890986

HALLIBURTON SERVICES
A Division of Halliburton Company

DATE 1-13-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Barger 1-21	COUNTY Lawrence	STATE Ks.
CHARGE TO Reger Brothers Drilling Incorporated		OWNER Reger Bros. Drig.	CONTRACTOR Co Tools	
MAILING ADDRESS Box 723		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 50320	PREPARED BY S. C. Henry
CITY & STATE Great Bend KS		DELIVERED TO Location	TRUCK NO. 1540-5621	RECEIVED BY <i>Alan Byrd</i>

No. **B 879214**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				130 40% Pozmix/60% Cement							
504-308	516.00261	1	B	Standard Cement	78	sk			5.35	417.30	
506-105	516.00286	1	B	Pozmix A	52	sk			2.79	145.08	
506-121	516.00259	1	B	2 Halliburton Gel 2% allowed						NC	
507-277	516.00259	1	B	4 Halliburton Gel 4% add.	4	sk			13.00	52.00	
THIS IS NOT AN INVOICE											
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		1	B	SERVICE CHARGE				CU. FEET 130	.95	123.50	
500-306		1	B	Mileage Charge	11,851	18	106.66		.70	74.66	
				TOTAL WEIGHT		LOADED MILES	TON MILES				
No. B 879214		CARRY FORWARD TO INVOICE						SUB-TOTAL		812.54	

CUSTOMER