

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION 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, KS 67530

Purchaser: Clear Creek

Operator Contact Person: Mark Boger

Phone (316) 792-8151

Contractor: Name: Boger Brothers Drilling

License: 9421

Wellsite Geologist: James 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

5-10-90 5-21-90 6-20-90
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,670-0000

County Stafford

SE SE NW Sec. 35 Twp. 21 Rge. 12 East West

3300 Ft. North from Southeast Corner of Section

3370 3070 Ft. West from Southeast Corner of Section
see (NOTE: Locate well in section plat below.)

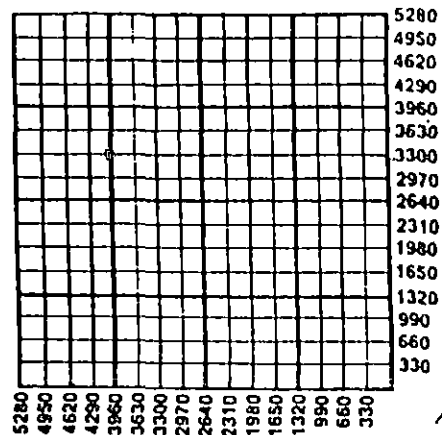
Lease Name Sittner Well # 1

Field Name Max

Producing Formation Arbuckle

Elevation: Ground 1828 KB 1833

Total Depth 3685 PBDT _____



Amount of Surface Pipe Set and Cemented at 266 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 Mark P. Boger

Title Vice-President Date 9-07-90

Subscribed and sworn to before me this 7th day of September, 19 90.

Notary Public Robbie J. Corcoran

Date Commission Expires 9-03-91 My Appt. Exp. 9-3-91

ROBBIE J. CORCORAN
NOTARY PUBLIC
STATE OF KANSAS
SEP 12 1990

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
D Drillers Timelog Received
Distribution
KCC SWD/Rep _____ NGPA _____
12 1990 9-12-1990 Plug _____ Other _____
(Specify)

SIDE TWO

Operator Name Boger Brothers Drilling Lease Name Sittner Well # 1
 Sec. 35 Twp. 21 Rge. 12 East West
 County Stafford

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 checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) DST #1 - Tested 3262-3324'. 45-45-10-10 Blow strong gas to surface 3 min. Recovered 180' clean gassy oil, 120' mud cut oil, 780' oil cut mud, 120' mud cut oil, 120' clean gassy oil. ISIP 860, FSIP 852, IFP 325-472, FFP 456-472, HSH 1644-1622.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/> Log</td> <td colspan="2" style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: center;">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;">609</td> <td style="text-align: center;">+1224</td> </tr> <tr> <td>Severy</td> <td style="text-align: center;">2766</td> <td style="text-align: center;">- 933</td> </tr> <tr> <td>Topeka</td> <td style="text-align: center;">2804</td> <td style="text-align: center;">- 971</td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">3094</td> <td style="text-align: center;">-1261</td> </tr> <tr> <td>Toronto</td> <td style="text-align: center;">3113</td> <td style="text-align: center;">-1280</td> </tr> <tr> <td>Douglas</td> <td style="text-align: center;">3122</td> <td style="text-align: center;">-1289</td> </tr> <tr> <td>Brown Lime</td> <td style="text-align: center;">3220</td> <td style="text-align: center;">-1387</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3239</td> <td style="text-align: center;">-1406</td> </tr> <tr> <td>Base Kansas City</td> <td style="text-align: center;">3479</td> <td style="text-align: center;">-1641</td> </tr> <tr> <td>Conglomerate Sand</td> <td style="text-align: center;">3491</td> <td style="text-align: center;">-1658</td> </tr> </table>	Formation Description			<input type="checkbox"/> Log	<input type="checkbox"/> Sample		Name	Top	Bottom	Anhydrite	609	+1224	Severy	2766	- 933	Topeka	2804	- 971	Heebner	3094	-1261	Toronto	3113	-1280	Douglas	3122	-1289	Brown Lime	3220	-1387	Lansing	3239	-1406	Base Kansas City	3479	-1641	Conglomerate Sand	3491	-1658
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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#	266	50-50poz	210	2% gel
Production	7 7/8"	5 1/2"	15 1/2#	3680	40-60 poz	150	3% gel, gilsonite .75% halad

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3572-3576'	200 gal acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 1/2"	3676		

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
06-01-90								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	39				trace			

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 _____

ORIGINAL

Formation Description Cont.

Viola	3498	-1665
Simpson Shale	3525	-1692
Arbuckle	3572	-1739
Rotary Total Depth	3685 *	-1852
Log Total Depth	3630	-1797

* 50' new hole drilled after log.

Drill Stem Tests Cont.

DST #2 - Tested 3360-3386'. 45-45-45-45. Blow strong gas to surface in 10 minutes. Recovered 40' heavy oil cut mud, 150' muddy gassy oil, 30' oil cut water, 240' water. Pressures ISIP 904, FSIP 884, IFP 20-122, FFP 122-243, HSH 1688-1649.

DST #3 - Tested 3384-3420'. 45-45-45-45. Blow strong gas to surface in 11 minutes. Recovered 90' very heavy oil and gas cut mud, 60' oil cut gassy water, 660' water. Pressures ISIP 904, FSIP 765, IFP 61-243, FFP 263-405, HSH 1688-1629 psi.

DST #4 - Tested 3570-3576'. 45-45-45-45. Blow strong, gas to surface in 10 minutes. Recovered 2430' clean gassy oil, 120' oil cut mud. Pressures - ISIP 1226, FSIP 1226, IFP 30-618, FFP 638-893, HSH 1736-1677 psi.

DST #5 - Tested 3580-3586'. 45-45-45-45. Blow strong gas to surface in 15 minutes. Recovered 420' clean gassy oil, 300' froggy oil, 300' water. Pressures - ISIP 1226, FSIP 1226, IFP 60-240, FFP 240-400, HSH 1696-1657 psi.

DST #6 - Tested 3624-3633'. 30-30-30-30. Blow strong. Recovered 2750' water. Pressures - ISIP 1252, FSIP 1252, IFP 158-1164, FFP 1155-1252, HSH 1694-1675 psi.

RECEIVED
STATE CORP.

SEP 12 1990

CONSERVATION DIVISION
WILLIAM KOTERS

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

FOR INVOICE AND
TICKET NO. **747616**

HALLIBURTON SERVICES
Division, Established 1928
A Division of Halliburton Company

DATE 5-21-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Sittner 1	COUNTY Stafford	STATE Ks.
CHARGE TO Reger Brothers Drig. Inc.		OWNER Same	CONTRACTOR Go Tools	No. B888518
MAILING ADDRESS		DELIVERED FROM St. Bond, Ks.	LOCATION CODE 90320	PREPARED BY J.M. Sheets
CITY & STATE		DELIVERED TO Location	TRUCK NO. 1540-5621	RECEIVED BY <i>Men Byrd</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				150 40% Pomix 60% cement 2% gel						
504-308	516.00261	1	b	Standard cement	90	skt			5.35	481.50
506-105	516.00286	1	b	Pomix A	60	skt			2.79	167.40
506-121	516.00259	1	b	3 Halliburton gel 2% allowed						NC
509-968	516.00315	1	b	salt Blended 10% W/150	800	lb.			0.052	41.60
508-291	70.15973	1	b	silicates Blended 10% W/100	1000	lb.			.35	350.00
507-775	516.00144	1	b	Halad 322 Blended .75% W/150	97	lb.			5.60	543.20
				Returned Mileage Charge						
				TOTAL WEIGHT		LOADED MILES		TON MILES		
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET		
500-207		2	b	SERVICE CHARGE				CU. FEET 181	.95	171.95
500-306		1	b	Mileage Charge	15.055	24		180.66	.70	126.46
				TOTAL WEIGHT		LOADED MILES		TON MILES		
No. B 888518						CARRY FORWARD TO INVOICE		SUB-TOTAL		1882.11

THIS IS NOT AN INVOICE

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO. 947583 DATE 05/10/7

WELL/PLANT NAME WELLER 1	WELL/PLANT LOCATION STAFFORD	STATE KS	WELL/PLANT OWNER SAME
SERVICE LOCATION GREAT BEND	CONTRACTOR COMPANY TOOLS	JOB PURPOSE CEMENT SURFACE CASING	TICKET DATE 05/10/7
ACCT. NO. 086707	CUSTOMER AGENT DALE SMITH	VENDOR NO.	CUSTOMER P.O. NUMBER
SHIPPED VIA COMPANY TRUCK			F

BOGER BROTHERS DRILLING, INC.
P O BOX 723
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICING AREA	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000-117	MILEAGE	24	MI	2.20	52.8
		1	UNT		
001-016	CEMENTING CASING	267	FT	395.00	395.00
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN	59.00	58.00
		1	EA		
504-308	STANDARD CEMENT	100	SK	5.35	535.00
506-105	POZMIX A	100	SK	2.79	279.00
506-121	HALLIBURTON-GEL 2X	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
500-207	BULK SERVICE CHARGE	210	CFT	.95	199.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	210.43	TMI	.70	147.30
INVOICE SUBTOTAL					1,798.80
DISCOUNT-(BID)					323.70
INVOICE BID AMOUNT					1,475.00
*-KANSAS STATE SALES TAX					45.00
*-BARTON COUNTY SALES TAX					10.60
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,530.60

APR 5 16 90

11502-40-221

D.S.

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT