

SIDE ONE

ORIGINAL

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

API NO. 15- 185-22,663-~~1000~~

County Stafford

S/2 S/2 NW Sec. 9 Twp. 23 Rge. 14 XX East West

2970 Ft. North from Southeast Corner of Section

3960 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Harper Well # 2

Field Name Crissman North

Producing Formation Simpson

Elevation: Ground 1951 KB 1956

Total Depth 4052 PBSD

Operator: License # 9421

Name: Boger Brothers Drilling, Inc.

Address P. O. Box 723

City/State/Zip Great Bend, KS 67530

Purchaser: Clear Creek, Inc.

Operator Contact Person: Mark Boger

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 OWO: old well info as follows:

Operator: \_\_\_\_\_

Well Names: \_\_\_\_\_

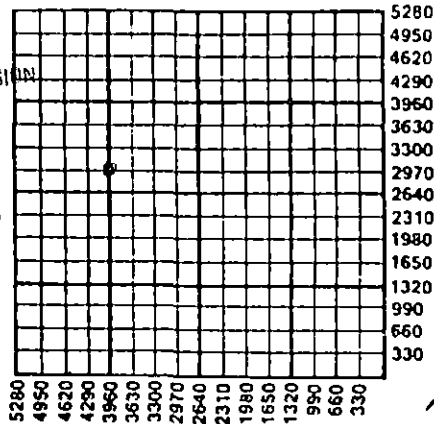
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

4-13-90 4-18-90 5-04-90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 445' 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.

RECEIVED  
JUL 12 1990  
7-12-90  
CONSERVATION DIVISION  
Wichita, Kansas

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 I Boger

Title Vice-President Date 7-10-90

Subscribed and sworn to before me this 10<sup>th</sup> day of July, 19 90.

Notary Public Wendy L. Brackeen Wendy L. Brackeen

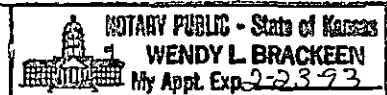
Date Commission Expires 2-23-91

**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)



91

**SIDE TWO**

Operator Name Roger Brothers Drilling, Inc. Lease Name Harper Well # 2

Sec. 9 Twp. 23 Rge. 14  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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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 (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<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;">866</td> <td style="text-align: center;">+1090</td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">3394</td> <td style="text-align: center;">-1438</td> </tr> <tr> <td>Toronto</td> <td style="text-align: center;">3416</td> <td style="text-align: center;">-1460</td> </tr> <tr> <td>Douglas</td> <td style="text-align: center;">3433</td> <td style="text-align: center;">-1477</td> </tr> <tr> <td>Brown Lime</td> <td style="text-align: center;">3528</td> <td style="text-align: center;">-1572</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3541</td> <td style="text-align: center;">-1587</td> </tr> <tr> <td>Base Kansas City</td> <td style="text-align: center;">3789</td> <td style="text-align: center;">-1833</td> </tr> <tr> <td>Conglomerate</td> <td style="text-align: center;">3837</td> <td style="text-align: center;">-1881</td> </tr> <tr> <td>Viola</td> <td style="text-align: center;">3908</td> <td style="text-align: center;">-1952</td> </tr> <tr> <td>Simpson Sand (19')</td> <td style="text-align: center;">3955</td> <td style="text-align: center;">-1999</td> </tr> <tr> <td>Arbuckle</td> <td style="text-align: center;">4003</td> <td style="text-align: center;">-2047</td> </tr> <tr> <td>Rotary Totdal Depth</td> <td style="text-align: center;">4052</td> <td style="text-align: center;">-2096</td> </tr> <tr> <td>Simpson Shale</td> <td style="text-align: center;">3941</td> <td style="text-align: center;">-1985</td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	866	+1090	Heebner	3394	-1438	Toronto	3416	-1460	Douglas	3433	-1477	Brown Lime	3528	-1572	Lansing	3541	-1587	Base Kansas City	3789	-1833	Conglomerate	3837	-1881	Viola	3908	-1952	Simpson Sand (19')	3955	-1999	Arbuckle	4003	-2047	Rotary Totdal Depth	4052	-2096	Simpson Shale	3941	-1985
Formation Description																																																	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample																																															
Name	Top	Bottom																																															
Anhydrite	866	+1090																																															
Heebner	3394	-1438																																															
Toronto	3416	-1460																																															
Douglas	3433	-1477																																															
Brown Lime	3528	-1572																																															
Lansing	3541	-1587																																															
Base Kansas City	3789	-1833																																															
Conglomerate	3837	-1881																																															
Viola	3908	-1952																																															
Simpson Sand (19')	3955	-1999																																															
Arbuckle	4003	-2047																																															
Rotary Totdal Depth	4052	-2096																																															
Simpson Shale	3941	-1985																																															

**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"	25	445	50-50poz	215	2%gel3%c.c.
Production	7 7/8	5 1/2"	15.5	4052	50-50poz	125	10%salt, .75%Halad 5#gilsonite

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
2	3965-3972'	1500 gal. 15% DSFe

**TUBING RECORD** Size 2" Set At 4032 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 5-08-90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	22	0	0		

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

**METHOD OF COMPLETION** Production Interval

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

1041  
115  
ORIGINAL



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

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO:	DATE
914275	04/14/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
HARPER 2		STAFFORD		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
GREAT BEND		COMPANY TOOLS		CEMENT SURFACE CASING	
TICKET DATE		04/14/1990			
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
086707	JAMES D. RIORDAN			COMPANY TRUCK	93553

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

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

RECEIVED  
STATE COMPTROLLER'S OFFICE  
REGION

JUL 12 1990

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT CONSERVATION DIVISION MILEAGE Wichita, Kansas	22	MI	2.20	48.40
001-016	CEMENTING CASING	445	FT	453.00	453.00
030-503	WOODEN TOP PLUG	8 5/8	IN	59.00	59.00
504-308	STANDARD CEMENT	108	SK	5.35	577.80
506-105	POZMIX A	107	SK	2.79	298.53
506-121	HALLIBURTON-GEL 2%	4	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
500-207	BULK SERVICE CHARGE	225	CFT	.95	213.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	207.03	TMI	.70	144.92
INVOICE SUBTOTAL					1,926.65
DISCOUNT-(BID)					346.77-
INVOICE BID AMOUNT					1,579.88
*-KANSAS STATE SALES TAX					47.61
*-BARTON COUNTY SALES TAX					11.21
BOGER BROS. Drlg. ORIGINAL INVOICE Rec. By: <u>Rm 4-19-80</u> Date Pd: _____ Posted: <u>5-14-90 514</u> Checked: _____ Approved: <u>D.S.</u>					11502-81A-221
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,638.70

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.

# BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND TICKET NO. **947506**

DATE <b>4-18-90</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Harper #2</b>	COUNTY <b>Stafford</b>	STATE <b>Ks.</b>
CHARGE TO <b>Boger Brothers Drilling Incorporated</b>		OWNER <b>Boger Bros. Drilg.</b>	CONTRACTOR <b>Co Tools</b>	No. <b>B 888450</b>
MAILING ADDRESS		DELIVERED FROM <b>Great Bend, Ks.</b>	LOCATION CODE <b>50320</b>	PREPARED BY <b>S.C. Henry</b>
CITY & STATE		DELIVERED TO <b>Location</b>	TRUCK NO. <b>4604-8206</b>	RECEIVED BY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				<b>190 Expressmix/100 cement</b>						<b>401.25</b>	
<b>504-308</b>	<b>516.00281</b>	<b>1</b>	<b>B</b>	<b>Standard Cement</b>	<b>75</b>	<b>sk</b>			<b>5.35</b>	<del><b>267.50</b></del>	
<b>506-105</b>	<b>516.00286</b>	<b>1</b>	<b>B</b>	<b>Pemmix A</b>	<b>75</b>	<b>sk</b>			<b>2.79</b>	<b>209.25</b>	
<b>506-121</b>	<b>516.00279</b>	<b>1</b>	<b>B</b>	<b>3 Halliburton gel 2% allowed</b>							<b>NC</b>
<b>509-968</b>	<b>516.00315</b>	<b>1</b>	<b>B</b>	<b>Salt Blended 70%/15%</b>	<b>700</b>	<b>lb.</b>			<b>.052</b>	<b>36.40</b>	
<b>509-968</b>	<b>516.00258</b>	<b>1</b>	<b>B</b>	<b>Salt not mixed</b>	<b>400</b>	<b>lb.</b>			<b>.052</b>	<b>20.80</b>	
<b>508-291</b>	<b>70.15573</b>	<b>1</b>	<b>B</b>	<b>Gilsonite blended 50%/5</b>	<b>450</b>	<b>lb.</b>			<b>.35</b>	<b>157.50</b>	
<b>507-775</b>	<b>516.00144</b>	<b>1</b>	<b>B</b>	<b>Mixed-322 blended .70%/15%</b>	<b>95</b>	<b>sk</b>			<b>5.60</b>	<b>532.00</b>	
<b>THIS IS NOT AN INVOICE</b>											
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES		
				SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET		
<b>500-207</b>		<b>1</b>	<b>B</b>	SERVICE CHARGE			CU. FEET <b>173</b>		<b>.95</b>	<b>166.25</b>	
<b>500-306</b>		<b>1</b>	<b>B</b>	Mileage Charge	<b>14,497</b> TOTAL WEIGHT	<b>22</b> LOADED MILES	<b>199.47</b> TON MILES		<b>.70</b>	<b>111.63</b>	
No. <b>B 888450</b>							CARRY FORWARD TO INVOICE		SUB-TOTAL		<b>1695.08</b> <del><b>100.155</b></del>

CUSTOMER