

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 # 6931

Name: Bowman Oil Company

Address P. O. Box 17

City/State/Zip Codell, Kansas 67630

Purchaser: \_\_\_\_\_

Operator Contact Person: Don Bowman

Phone (913) -434-2304

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Mike Davignon

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

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

Well Name: \_\_\_\_\_

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

Drilling Method:

Mud Rotary  Air Rotary  Cable

11/2/89 11/5/89 11-5-89

Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,064 0000

County Rooks

C S/2 NE NW Sec. 5 Twp. 10S Rge. 19  East  West

4290 Ft. North from Southeast Corner of Section

3230 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

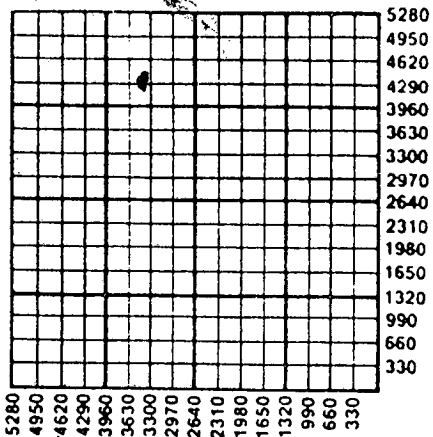
Lease Name Hamel Well # 5

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 2223' KB 2228'

Total Depth 1972' PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 213' 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 cmt.

RECEIVED  
STATE CORPORATION COMMISSION  
Wichita, Kansas  
APR 17 1990  
DIVISION

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 Louis D. Bowman

Title Partner Date 4/16/90

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

Notary Public Vesta J. Russell

Date Commission Expires July 12, 1992

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

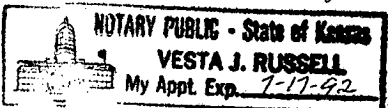
C  Wireline Log Received

C  Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA

KGS  Plug  Other (Specify)



ORIGINAL

pl X

SIDE TWO

Operator Name Bowman Oil Company Lease Name Hamel Well # 5

Sec. 5 Twp. 10S Rge. 19  East  West County Rooks

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	<b>Formation Description</b> <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Top soil &amp; post rock</td> <td>0--45'</td> <td></td> </tr> <tr> <td>Shale</td> <td>46</td> <td>773</td> </tr> <tr> <td>Dakota Sand</td> <td>773</td> <td>810</td> </tr> <tr> <td>Red Bed</td> <td>810</td> <td>1110</td> </tr> <tr> <td>Cedar Hill sand</td> <td>1111</td> <td>1305</td> </tr> <tr> <td>Red Bed</td> <td>1306</td> <td>1629</td> </tr> <tr> <td>Anhydrite</td> <td>1630</td> <td>1663</td> </tr> <tr> <td>Red Bed</td> <td>1663</td> <td>1970</td> </tr> <tr> <td>Salt</td> <td>1970</td> <td>1972</td> </tr> </tbody> </table>	Name	Top	Bottom	Top soil & post rock	0--45'		Shale	46	773	Dakota Sand	773	810	Red Bed	810	1110	Cedar Hill sand	1111	1305	Red Bed	1306	1629	Anhydrite	1630	1663	Red Bed	1663	1970	Salt	1970	1972
Name	Top		Bottom																													
Top soil & post rock	0--45'																															
Shale	46		773																													
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Red Bed	1306	1629																														
Anhydrite	1630	1663																														
Red Bed	1663	1970																														
Salt	1970	1972																														
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No																															
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No																															
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input type="checkbox"/> No																															

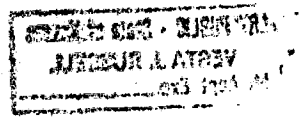
<b>CASING RECORD</b> <input type="checkbox"/> New <input checked="" type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	11 5/8	8 5/8	24	213	60-110 Pox	140	
<b>PERFORATION RECORD</b> Shots Per Foot   Specify Footage of Each Interval Perforated				<b>Acid, Fracture, Shot, Cement Squeeze Record</b> (Amount and Kind of Material Used)   Depth			
<b>TUBING RECORD</b> Size   Set At   Packer At   Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No							
Date of First Production	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 \_\_\_\_\_

ORIGINAL



ORIGINAL



15-163-23064-0000

REMIT TO:

P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

ORIGINAL

A Halliburton Company

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	INVOICE NO.	DATE
HAMEL 5		ROOKS		KS	878602	11/04
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET NO.
HAYS		EMPHASIS		PLUG BACK		11/04
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA		
092500	JACK D. FOX			COMPANY TRUCK		B

BOWMAN OIL CO  
P O BOX 42  
CODELL, KS 67630

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	AMOUNT
500-306	MILEAGE CMTG MAT DEL OR RETURN	75.655	TMI	.70	52.9585
	INVOICE SUBTOTAL				7,652.73
	DISCOUNT-(BID)				1,147.7
	INVOICE BID AMOUNT				6,504.5
	*-KANSAS STATE SALES TAX				206.9
	*-HAYS CITY SALES TAX				24.3
	<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>				<b>\$6,739.86</b>

RECEIVED  
STATE CORPORATION COMMISSION  
APR 17 1990  
CONSERVATION DIVISION  
Wichita, Kansas

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 ACCOUNT.

ORIGINAL

HALLIBURTON SERVICES

ORIGINAL

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

INVOICE

A Halliburton Company

INVOICE NO. 878602	DATE 11/04/1989
--------------------	-----------------

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
AMEL 5		ROOKS		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
	EMPHASIS	PLUG BACK		11/04/1989	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
92500	JACK D. FOX			COMPANY TRUCK	8539

BOWMAN OIL CO  
P O BOX 42  
CODELL, KS 67630

*[Handwritten Signature]*  
11/17/89

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	DRICING AREA - MID CONTINENT MILEAGE	10	MI	2.20	22.00
009-019	PLUGGING BK SPOT CEMENT OR MUD	1972	FT	895.00	895.00
009-027	PLUGGING BACK ADD. HR.	4	HR	140.00	560.00
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	370.00	370.00
504-308	STANDARD CEMENT	100	SK	5.45	545.00
509-406	ANHYDROUS CALCIUM CHLORIDE	3	SK	25.75	77.25
507-210	FLOCELE	25	LB	1.21	30.25
500-207	BULK SERVICE CHARGE	100	CL	.95	95.00
500-322	MINIMUM MILEAGE	1	TMI	45.00	45.00
504-308	STANDARD CEMENT	300	SK	5.45	1,635.00
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	25.75	231.75
507-210	FLOCELE	150	LB	1.21	181.50
509-968	SALT	434	LB	.073	31.68
500-207	BULK SERVICE CHARGE	306	CFT	.95	290.70
500-306	MILEAGE CMTG MAT DEL OR RETURN	147.520	TMI	.70	103.26
504-308	STANDARD CEMENT	120	SK	5.45	654.00
506-105	POZMIX A	80	SK	2.88	230.40
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	7	SK	13.00	91.00
509-406	ANHYDROUS CALCIUM CHLORIDE	7	SK	25.75	180.25
507-210	FLOCELE	50	LB	1.21	60.50
500-207	BULK SERVICE CHARGE	200	CFT	.95	190.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	147.520	TMI	.70	103.26
504-308	STANDARD CEMENT	99	SK	5.45	539.55
506-105	POZMIX A	66	SK	2.88	190.08
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	6	SK	13.00	78.00
507-210	FLOCELE	41	LB	1.21	49.61
500-207	BULK SERVICE CHARGE	165	CFT	.95	156.75

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CONSERVATION DIVISION  
Wichita, Kansas

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

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'S FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

483-2627, Russell, Kansas  
 16-793-5861, Great Bend, Kansas

new ORIGINAL

Phone Plainville 913-434-28  
 Phone Ness City 913-798-38

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 7582

Date	11-2-89	Sec.	5	Twp.	10	Range	19	Called Out	3:00 P.M.	On Location	5:00 P.M.	Job Start	5:30 P.M.	Finis	6:00
Lease	Hamel	Well No.	#5	Location	Zuech	IS	1/2 W	County	Rooks	State	Kan				
Contractor	Emphasis # 6														
Type Job	SURFACE														
Hole Size	12 1/4			T.D.	220										
Csg.	8 5/8			Depth	213										
Tbg. Size															
Drill Pipe															
Tool															
Cement Left in Csg.															
Press Max.															
Meas Line															
Perf.															

Owner SAME

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To Bowman Oil Co.  
 Street P.O. Box 17  
 City Cadell State Kan 67630

The above was done to satisfaction and supervision of owner agent, or contractor

Purchase Order No. X Jack R. Top

### EQUIPMENT

Pumptrk	No. 83	Cementer	R. Davis
		Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	160	Driver	Joel
Bulktrk		Driver	

CEMENT

Amount Ordered 140 60/40 3:2

Consisting of

Common	84	SKs @ 5.00	420.00
Poz. Mix	56	SKs @ 2.25	126.00
Gel.	3	SKs @ 6.75	20.25
Chloride	4	SKs @ 20.00	80.00
Quickset			

DEPTH of Job

Reference	A1		360.00
		1-8 5/8" Plug	40.00
		1.00 Per Mile	10.00
		Sub Total	
		Tax	
		Total	410.00

Handling	90d	Sales Tax	
Mileage	34		126.00
			42.00
		Sub Total	
		Total	814.25

Remarks:

**CEMENT RECEIVED**

STATE OF KANSAS

APR 17 1990

CONSERVATION DIVISION  
 Wichita, Kansas

Thanks

ORIGINAL

EMPHASIS OIL OPERATIONS

P. O. BOX 506  
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: Bowman Oil Company  
P. O. Box 17  
Codell, Kansas 67630

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Hamel WELL #5

LOCATION: C S/2 NE NW  
Section 5-10S-19W  
Rooks County, Kansas

ROTARY TOTAL DEPTH: 1972'

ELEVATION: 2228' K.B.

COMMENCED: 11/2/89

COMPLETED: 11/5/89

CASING: 8-5/8" @ 213' w/140 sks cement

STATUS: Plugged & Abandoned

DEPTHS & FORMATIONS

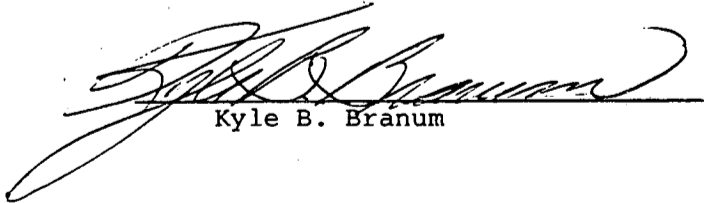
(All measurements from K.B.)

Top Soil & Post Rock	45'	Red Bed	1629'
Shale	773'	Anhydrite	1663'
Dakota Sand	810'	Red Bed	1970'
Red Bed	1110'	Salt Section	1972'
Cedar Hills Sand	1305'	Lost Circulation	1972'

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Wichita, Kansas

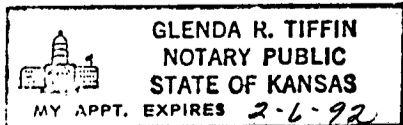
STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)

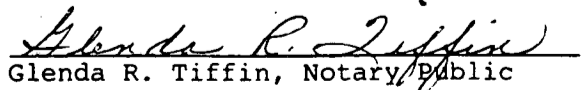
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

  
Kyle B. Branum

Subscribed and sworn to before me on November 8, 1989.

My commission expires: February 6, 1992.

  
GLENDA R. TIFFIN  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 2-6-92

  
Glenda R. Tiffin, Notary Public