

ORIGINAL

SIDE ONE

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

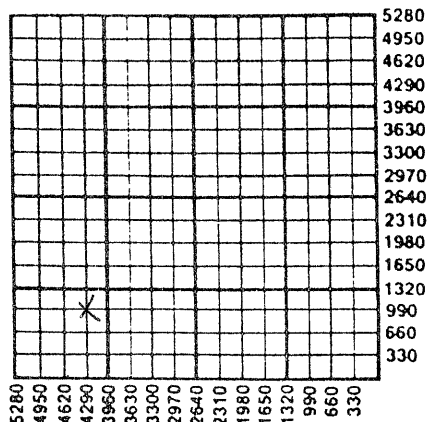
Operator: License # 5352  
Name: Baird Oil Co.  
Address P.O. Box 428  
  
City/State/Zip Logan, KS 67646  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jim Baird  
Phone (913) 679-7457  
Contractor: Name: Abercrombie Drilling, Inc.  
License: 5422  
Wellsite Geologist: \_\_\_\_\_

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: N/A  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
11-5-90 11-14-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,127 <sup>00-00</sup>  
County Rooks East  
NE SW SW Sec. 22 Twp. 6S Rge. 20  West  
990 Ft. North from Southeast Corner of Section  
4290 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Gartrell Well # 4  
Field Name unnamed  
Producing Formation Arbuckle Dry  
Elevation: Ground 2143 KB 2148  
Total Depth 3678' PBDT \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 242' 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.

**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 Jim R Baird  
Title Exec. Vice-President Date 1-14-91  
Subscribed and sworn to before me this 14th day of January, 19 91.  
Notary Public Marilyn J. Allen  
Date Commission Expires 2-9-94

MARILYN J. ALLEN  
State of Kansas  
My Appt. Exp. 2-9-94

**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)

**SIDE TWO**

Operator Name Baird Oil Company Lease Name Gartrell Well # 4  
 Sec. 22 Twp. 6S Rge. 20  East County Rooks  
 West

**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  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

(See attached sheet)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Topeka	3148	-1000
Heebner	3348	-1200
Toronto	3371	-1223
Lansing	3386	-1238
B/KC	3582	-1434
Arb.	3672	-1524
TD	3681	-1533

CASING RECORD <input checked="" type="checkbox"/> New <input 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#	242'	60-40pozmix	170	3%cc 2%gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer At					
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

GARTRELL #4

NE SW SW 22-6S-20W, Rooks Co., Ks.

## DRILL STEM TESTS

- DST #1 (3350-3377) 30-30-0-0 IFP:38-38 ISIP:451 FFP:- FSIP:-  
Rec. 3 feet of mud with oil spots.
- DST #2 (3375-3400) 30-30-0-0 IFP:28-28 ISIP: 28 FFP:- FSIP:-  
Rec. 5 feet of mud.
- DST #3 (3403-3430) 45-45-45-45 IFP:57-57 ISIP: 557 FFP:67-67  
FSIP: 548 Rec. 45 feet of mud.
- DST #4 (3426-3447) IFP: 48-48 ISIP: 48 FFP:- ISIP:- Rec. 3  
feet of mud. 30-30-0-0
- DST #5 (3443-3471) 30-30-30-30 IFP: 57-57 ISIP: 980 FFP:57-57  
FSIP: 903 Rec. 15 feet of mud w/oil spots.
- DST #6 (3518-3544) 30-30-0-0 IFP:57-57 ISIP: 76 FFP:- FSIP:-  
Rec. 4 feet of mud with oil spots
- DST #7 (3575-3626) 30-30-30-30 IFP: 48-48 ISIP: 76 FFP: 57-57  
FSIP: 67 Rec. 1 foot of F.O. 19 feet of H.O.C.M.
- DST #8 (3575-3638) 30-30-0-0 IFP: 76-76 ISIP: 201 FFP: - FSIP:-  
Rec. 35 feet of H.O.C.M.

RECEIVED  
STATE CORPORATION

JAN 15 1966

CONSERVATION  
Wichita, Kan. 67202

DALLAS, TX 75229-1046

**HALLIBURTON SERVICES ORIGINAL**

A Halliburton Company

INVOICE NO	DATE
028598	11/05/1999

WELL LEASE NO./PLANT NAME <b>GARTRELL 4</b>		WELL/PLANT LOCATION <b>ROOKS</b>		STATE <b>KS</b>	WELL/PLANT OWNER <b>SAME</b>
SERVICE LOCATION <b>HAYS</b>		CONTRACTOR <b>ABERCROMBIE</b>	JOB PURPOSE <b>CEMENT SURFACE CASING</b>		TICKET DATE <b>11/05/1999</b>
ACCT. NO. <b>002400</b>	CUSTOMER AGENT <b>HAROLD MALEY</b>	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA <b>COMPANY TRUCK</b>	FILE NO. <b>0504</b>

**ABERCROMBIE INC.**  
OIL CENTER  
ROUTE 1 BOX 56  
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	22	MI	2.35	51.70
000-118	MILEAGE SURCHARGE-CEMENT-LAND	22	MI	.40	8.80
001-016	CEMENTING CASING	242	FT	440.00	440.00
030-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	8 5/8	IN	59.00	59.00
504-308	STANDARD CEMENT	102	SK	5.45	555.90
506-105	POZMIX A	68	SK	2.88	195.84
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	25.75	103.00
500-207	BULK SERVICE CHARGE	178	CFT	1.10	195.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	167.640	TMI	.75	125.73
500-307	MILEAGE SURCHARGE-CEMENT MAT	167.640	TMI	.10	16.76
	INVOICE SUBTOTAL				1,752.53
	DISCOUNT-(BID)				262.85
	INVOICE BID AMOUNT				1,489.68
	*-KANSAS STATE SALES TAX				42.48
	*-HAYS CITY SALES TAX				4.99
	INVOICE TOTAL				1,537.15

911-Tuenky - 1300.00  
138-231.15

114.6000

Key-4

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STATE CORPORATION COMMISSION  
JAN 15 1999  
CONSOLIDATION DIVISION  
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 UNPAID ACCOUNT.