

SIDE ONE

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

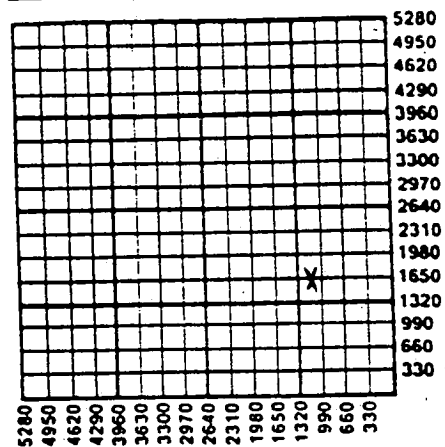
Operator: License # 5393  
Name: A. L. Abercrombie, Inc.  
Address 150 N. Main, Suite 801  
City/State/Zip Wichita, KS 67202  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jerry A. Langrehr  
Phone ( 316 ) 262-1841

Contractor: Name: Abercrombie RTD, State  
License: 30684  
Wellsite Geologist: Mark Galyon

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If OMO: old well info as follows:  
Operator: N/A  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6-1-91 6-9-91  
Spud Date Date Reached TD Completion Date

API NO. 15- 063-21,392  
County Gove  
100 E East  
S/2 N/2 SE Sec. 21 Twp. 11S Rge. 31  West  
1650' Ft. North from Southeast Corner of Section  
1220' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Wieland 'B' Well # 1  
Field Name unknown  
Producing Formation Miss.  
Elevation: Ground 2963' KB 2968'  
Total Depth 4640' PBDT \_\_\_\_\_



5280  
4950  
4620  
4290  
3960  
3630  
3300  
2970  
2640  
2310  
1980  
1650  
1320  
990  
660  
330  
A I I D P A

Amount of Surface Pipe Set and Cemented at 297' 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 Josh K. Wharton  
Title Vice Pres Date 7-10-91  
Subscribed and sworn to before me this 10th day of July, 19 91.  
Notary Public Angela Woodard  
Date Commission Expires March 20, 1993



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 A. L. Abercrombie, Inc. Lease Name Wieland 'B' Well # #1  
 Sec. 21 Twp. 11S Rge. 31  East County Gove  
 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 <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 type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  DST #1 (3973'-3993') 30-45-45-45 Rec. 10' mud IFPs 10-20 ISIP 1189 FFPS 20-30 FSIP 1101  DST's 2,3,4 & 5 on attached sheet	<p style="text-align: center;"><b>Formation Description</b></p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td>2479' (+489')</td> <td>Cherokee Shale 4515' (-1547')</td> </tr> <tr> <td>Base Anhydrite</td> <td>2506' (+462')</td> <td>Mississippi 4629' (-1661')</td> </tr> <tr> <td>Heebner</td> <td>3968' (-1000')</td> <td>RTD 4640' (-1672')</td> </tr> <tr> <td>Toronto</td> <td>3990' (-1022')</td> <td>LTD 4643' (-1675')</td> </tr> <tr> <td>Lansing</td> <td>4008' (-1040')</td> <td></td> </tr> <tr> <td>Muncie Creek</td> <td>4143' (-1175')</td> <td></td> </tr> <tr> <td>Stark Shale</td> <td>4228' (-1260')</td> <td></td> </tr> <tr> <td>Hushpuckney</td> <td>4263' (-1295')</td> <td></td> </tr> <tr> <td>Pawnee</td> <td>4417' (-1449')</td> <td></td> </tr> <tr> <td>Myrick Station</td> <td>4455' (-1487')</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td>4488' (-1520')</td> <td></td> </tr> </table>	Name	Top	Bottom	Anhydrite	2479' (+489')	Cherokee Shale 4515' (-1547')	Base Anhydrite	2506' (+462')	Mississippi 4629' (-1661')	Heebner	3968' (-1000')	RTD 4640' (-1672')	Toronto	3990' (-1022')	LTD 4643' (-1675')	Lansing	4008' (-1040')		Muncie Creek	4143' (-1175')		Stark Shale	4228' (-1260')		Hushpuckney	4263' (-1295')		Pawnee	4417' (-1449')		Myrick Station	4455' (-1487')		Fort Scott	4488' (-1520')	
Name	Top	Bottom																																			
Anhydrite	2479' (+489')	Cherokee Shale 4515' (-1547')																																			
Base Anhydrite	2506' (+462')	Mississippi 4629' (-1661')																																			
Heebner	3968' (-1000')	RTD 4640' (-1672')																																			
Toronto	3990' (-1022')	LTD 4643' (-1675')																																			
Lansing	4008' (-1040')																																				
Muncie Creek	4143' (-1175')																																				
Stark Shale	4228' (-1260')																																				
Hushpuckney	4263' (-1295')																																				
Pawnee	4417' (-1449')																																				
Myrick Station	4455' (-1487')																																				
Fort Scott	4488' (-1520')																																				

**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"	28#	297'	60-40 posmix	200	3% cc 2% gel

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 \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

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

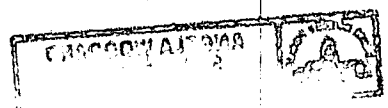
Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



15-063-21392-00-00

WIELAND B #1  
100' E S/2 N/2 SE  
Sec. 21-11S-31W  
Gove County, Kansas

DST #2 (4071'-4085')  
30-30-30-30  
Rec. 5' OCM (15% oil)  
10' drilling mud  
IFPs 10-20           ISIP 882  
FFPs 20-20           FSIP 772

DST #3 (4136'-4222')  
30-45-60-45  
Rec. 1' CO  
90' watery mud  
120' muddy water  
IFPs 60-80           ISIP 1266  
FFPs 90-120         FSIP 1189

DST #4 (4225'-4250')  
30-30-30-30  
Rec. 10' mud  
IFPs 10-10           ISIP 1013  
FFPs 20-20           FSIP 914

DST #5 (4566'-4640')  
15-20-0-0  
Rec. 340' mud  
120' water  
IFPs 233             ISIP 422  
FFPs 266             FSIP 422

RECEIVED  
STATE CORPORATION COMMISSION  
7-11-1991  
JUL 11 1991  
CONSERVATION DIVISION  
Wichita, Kansas

Ph 483-2627, Russell, Kansas  
 Ph 3-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC.**

No 2160  
**ORIGINAL**

Home Office P. O. Box 31 Russell, Kansas 67665

15-063-21392-00-00

New

Date	6-1-91	Sec.	21	Twp.	11 S	Range	3 W	Called Out	1:30 PM	On Location	5:00 PM	Job Start	5:45 PM	Finish	6:15 PM
Lease	WIELAND	Well No.	#B-1	Location	CAMPUS EXIT 1 1/2 S	County	Gove	State	KANSAS						
Contractor	ABERCROMBIE <sup>RTO</sup> DRlg. Rig # 4														
Type Job	SURFACE														
Hole Size	12 1/4	T.D.	299'												
Csg.	8 5/8	28#	Depth	297'											
Tbg. Size															
Drill Pipe															
Tool															
Cement Left in Csg.	15'	Shoe Joint													
Press Max.															
Meas Line	✓	Displace	✓ 17 1/2	BBL											
Perf.															

**EQUIPMENT**

Pumptrk	No. #177	Cementer	<i>Shawn</i>
		Helper	<i>Will</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	#160	Driver	<i>Paul</i>
Bulktrk		Driver	

**DEPTH of Job**

Reference:	Pump TRUCK chrg.	
	2.00/per mile	
1-8 5/8	WOODEN plug	
	Sub Total	
	Tax	
	Total	

Remarks:

Cement Circulated

*Shawn*

Owner 1 1/2 W 1/4 S  
 To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To AL. ABERCROMBIE INC.

Street  
 City State

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

Purchase Order No.  
 X *Harold Maly*  
 CEMENT

Amount Ordered 200 SK 6 3/4 29 gel 3% CC

Consisting of  
 Common  
 Poz. Mix  
 Gel.  
 Quickset  
 RECEIVED  
 STATE CORPORATION COMMISSION  
 JUN 11 1991  
 7-11-1991  
 CONSERVATION DIVISION  
 HOLDING  
 Kansas  
 Mileage

Sales Tax  
 Sub Total  
 Total

Floating Equipment  
 # 101-3250  
 Rig # 4  
 GPO

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. **THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.**

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.