

SIDE ONE

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

API NO. 15- 179-21,008-0000

County Sheridan

C SW SE Sec. 7 Twp. 9S Rge. 26 East West

660' Ft. North from Southeast Corner of Section

1980' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Heier Well # 1

Field Name unknown

Producing Formation LKC

Elevation: Ground 2684' KB 2689'

Total Depth 4040' PBDT _____

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, Inc.

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

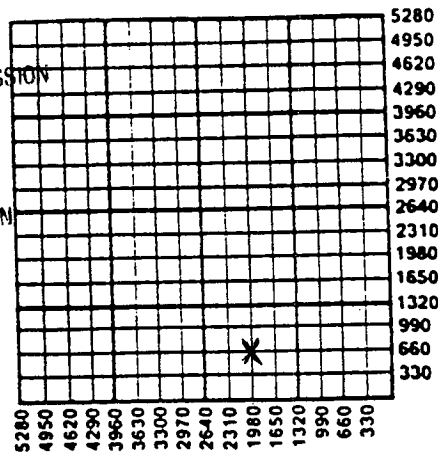
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

6-25-91 7-1-91 7-1-91
Spud Date Date Reached TD Completion Date

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STATE CORPORATION COMMISSION
7-23-91
JUL 23 1991
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas



Alt II Dra

Amount of Surface Pipe Set and Cemented at 283.81 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 Jack K. Wharton

Title Vice Pres. Date 7-18-91

Subscribed and sworn to before me this 18th day of July, 1991.

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 Heier Well # 1

Sec. 7 Twp. 9S Rge. 26 East West
 County Sheridan

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.)

DST #1 3945'-3975' (H Zone) DST #2 4000'-4040'
 30-45-60-45 (J & K Zones)

Rec. 190' muddy water w/SSO 30-45-30-45

IFPs 64-64 ISIP 924 Rec. 5' mud

FFPs 96-106 FSIP 881 IFPs 64-64 ISIP 128

 FFPs 64-64 FSIP 75

Formation Description

Log Sample

Name	Top	Bottom
Anhydrite	2288'	(+401')
Heebner	3802'	(-1113')
Toronto	3822'	(-1133')
Lansing	3842'	(-1153')
LTD 4040'		
DTD 4040'		

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"	23#	283.81	60-40 posmix	175	2%gel 3%cc

Shots Per Foot	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

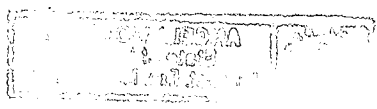
Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

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 _____



Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kan

15-179-21008-0000

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

NR 3463

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

JUL 1 1991

Date	6-25-91	Sec.	7	Twp.	9	Range	26	Called Out	4:30 PM	On Location	7:30 PM	Job Start	10:00 PM	Finish	10:30 PM
Lease	Heier	Well No.	#1	Location				Studley Labs	County		Sheridan	State		Kansas	
Contractor	Abercrombie RTD				Rig 8		Owner	SAME							
Type Job	Surface														
Hole Size	12 1/4"		T.D.	288'											
Csg.	8 5/8"		Depth	283'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

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 A.L. Abercrombie Inc.
Street

City _____ State _____

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

Purchase Order No. X Anthony M...

CEMENT

Amount Ordered 175 SKS 60/40 per 2380 2% bel

Consisting of
Common _____
Poz. Mix _____
Gel. _____
Chloride _____
Quickset RECEIVED
STATE OF _____ IN COMMISSION

JUL 23 1991

Sales Tax

Handling CONCRETE DIVISION
Mileage Wichita, Kansas

Sub Total

Total

Floating Equipment

EQUIPMENT

#191	No.	Cementer	<u>M KAUFMAN</u>
Pumptrk		Helper	<u>WAYNE M.</u>
	No.	Cementer	
Pumptrk		Helper	
#212		Driver	<u>JOE S.</u>
Bulktrk			
Bulktrk		Driver	

DEPTH of Job

Reference	<u>#</u>	<u>PUMP TRK</u>	
		<u>1-8 5/8" PLUG</u>	
		Sub Total	
		Tax	
		Total	

Remarks:

Cement Circulated

Shanker

#101-3250

Rig #8

EW

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.

A. L. ABERCROMBIE, Inc.

PIPE TALLY

DATE 6-25 19 91

No. Pcs.	LENGTH		LENGTH		LENGTH		LENGTH		LENGTH	
	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
1	39	50			Tally Threads on 277.56					
2	39	17								
3	39	45								
4	39	08								
5	39	69								
6	39	32								
7	39	60								
8	275	81	Tally							
9	8	—	Landing ST.							
10	283	81	SET							
11	5	—	EXTRA HOLE							
12	288	81	RTD							
13										
14										
15										
16										
17										
18										
19										
20										
Total										

RECEIVED
STATE CORPORATION COMMISSION

JUL 23 1991

CONSERVATION DIVISION
Wichita, Kansas

Col. No.		Stock of	A.L. Aber. Inc	
1		Weight	23 #	Size 8 5/8
2		Grade	used	Coupling Thd 8 R2
3		From	HOLD STOCK	
4		Sent To	Heier #1	
5				
Total		Remarks		

No. Joints _____ Car No. 111 B/L No. _____
Tallied By Mart

JUN 27 1991
ORIGINAL

REPORT OF RUNNING AND CEMENTING CASING

A. L. ABERCROMBIE, INC.

ABERCROMBIE DRILLING, INC.

Date 6-25-91

Lease Name Heier Well No. #1

Lease Owner/Operator A.L. Abercrombie Inc.

Drilling Contractor Abercrombie R.T.D. Inc Rig No. 8

Location C-SW-SE Sec. 7 Twp 9s Rge 26W County Sheridan

Casing Received From: (Supply) Yard Stock Inv. No. _____

Casing Charged To: (Company) A.L. Abercrombie Inc.

Casing Trucked By: Our Trucks

Amount Of Casing Received 7 Jts. 277.56 (Threads on) Ft.

Amount Of Casing Left Over _____ Jts. _____ Ft.

Disposition Of Casing Left Over _____

Rotary Bushing T.D. 288 Ft. Size Of Hole 12 1/4 In.

Casing Set At: (R.B. To Bottom Of Shoe) 7 Jts. 283.81 (Threads off) Ft.

Size 8 5/8 Weight 23 # Thread 8 HD

Range 3 Grade used Make ✓

Shoe (Type—Make) Texas Slice Float Collar (Type—Make) _____

Stage Collar (Make—Set At) _____ RECEIVED
STATE CORPORATION COMMISSION

Centralizers (Set At) _____

JUL 23 1991

Scratchers (Set At) _____ CONSERVATION DIVISION
Wichita, Kansas

Cemented With _____ Sacks Of 60/40 Poz 2706el 3%cc Cement

Cemented By Allied Plug To: 263.81 Ft.

Plugs (Number—Type) 1x 8 5/8 Rubber Plug

Longstring—R.B. To Top Of Braden Head 7' Ft.

Surface String—R.B. To Top Of Collar 8' Ft.

Remarks: Spudded @ 5:00 PM 6-25-91 Ran 7 jts used 8 5/8 x 23 #

Casing tally 275.81 Set @ 283.81 175 sy 60/40 poz 2706el 3%

cc by Allied RTD 288 Survey's (44) Woc 8 hrs.

Plug Down @ 10:30 PM 6-25-91 Drill Plug @ 6:30 AM 6-26-91

Water: R.L. Alimium RR1 Box 40A Studley, Ks. 67759 500 @

NOTE: All measurements to be made in feet and hundredths.
All casing to be ran in numerical order of tally.
Attach tally to back of casing report.

Anthony M...
Company Representative

Did Circ.