

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

ORIGINAL

Operator: License # 5393

Name: A. L. ABERCROMBIE, INC.

Address 150 N. Main, Ste 801

City/State/Zip Wichita, KS 67202

Purchaser: NCRA

Operator Contact Person: Jack K. Wharton

Phone (316) 262-1841

Contractor: Name: ABERCROMBIE RTD, INC.

License: 30684

Wellsite Geologist: None

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.

Gas EMHR SIGV

Dry Other (Sore, WSV, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: NFC PETROLEUM

Well Name: HERRMAN #1

Comp. Date 8-18-77 Old Total Depth 4800'

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PSTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj) Docket No. _____

01-06-94 1-10-94 2-16-94

~~Date of~~ Date of START Date Reached TD Completion Date OF
OF WORKOVER WORKOVER

API NO. 15- 057-20,104-00-01

County Ford

125' S SE NE Sec. 25 Twp. 25S Rps. 21 X

2105' Feet from S/N (circle one) Line of Section

660' Feet from E/W (circle one) Line of Section

Footages Calculated from nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name HERRMANN C Well # 1 (OWWO)

Field Name Ford

Producing Formation Lower Cherokee

Elevation: Ground _____ KB 2280' (old)

Total Depth 4800' PETD 4705'

Amount of Surface Pipe Set and Cemented at 370' (old) Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1129' Feet

If Alternate II completion, cement circulated from 1129'

feet depth to Surface w/ 325 sz ckt.

Drilling Fluid Management Plan WASHDOWN JH 8-16-94
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Devasting method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit SP-4 form with all plugged wells. Submit SP-111 form with all temporarily abandoned wells.

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 and belief.

ANGELA WOODARD
Notary Public • State of Kansas
My Appt. Expires _____

Signature Jack K. Wharton

Title Vice Pres. Date 4-19-94

Subscribed and sworn to before me this 19th day of April, 1994.

Notary Public Angela Woodard

Date Commission Expires March 20, 1997

STATE CORPORATION COMMISSION RECEIVED APR 20 1994
K.C.C. OFFICE USE ONLY
Wichita, Kansas
Conservation Division
Distribution
KCC SWD/Rep _____ KGPA _____
XGS _____ Plug _____ Other _____
(Specify)

91

Operator Name A. L. ABERCROMBIE, INC.

LEASE NO. ORIGINAL
 Lease Name HERRMANN C

Well # #1 (OWWO)

Sec. 25 Twp. 25S Rps. 21

East

County Ford

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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> old Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	4002'	-1722'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4122'	-1842'
		Lower Cherokee	4682'	-2402'
		Miss.	4731'	-2451'

List All E.Logs Run: GAMMA RAY CORRELATION
 See attached sheet.

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediates, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbt./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Production		4 1/2"	10 1/2#	4798'	50-50 posmix	60	2 gal 7# gilsinite per sk, 3/4 of 1% CER-2
D.V. Tool				1129'	Liteweight	325	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4697'-4700'	500 gal. 15% MCA	4705'

TUBING RECORD	Size <u>2 3/8</u>	Set At <u>4694'</u>	Packer At <u>None</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
<u>2-16-94</u>				
Estimated Production Per 24 Hours	Oil Bbls. <u>45</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Dil Ratio <u>36</u>

Disposition of Gas:
 Vented Sold Used on Lease
 (If vented, submit ACD-1E.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Completed

Production Interval 4697'-4700'

ORIGINAL



ABERCROMBIE RTD, INC.
DRILLING CONTRACTOR

150 N. MAIN, SUITE 801 / WICHITA, KANSAS 67202 / 316-262-1841

API #15-057-20104-0001

HERRMAN 'C' #1 (OWWO)
125 S SE NE, Sec. 25-25S-21W
Ford Co., KS

DST #1 4673'-4708' (Cherokee) (Straddle Packers)
30-45-60-45

Good blow off bottom of bucket in 1 1/2 minutes

Rec. 666' gas in pipe, 195' slightly oil & gas cut mud (10% gas, 1/2% oil, 89 1/2% mud), 189' gassy muddy oil (10% gas, 70% oil, 20% mud), 63' gas & mud cut oil (25% gas, 10% oil, 5% water, 60% mud), 63' gas & slightly mud cut oil (50% gas, 40% oil, 5% water, 5% mud)

IFPs 67-112 ISIP 515
FFPs 134-213 FSIP 526

RECEIVED
STATE CORPORATION COMMISSION

APR 20 1994

CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2627, Russell, KS
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

ORIGINAL
Phone 316-888-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

6054

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date <i>1-9-94</i>	Sec. <i>25</i>	Twp. <i>25</i>	Range <i>21</i>	Called Out	On Location	Job Start <i>9:50 A.M.</i>	Finish <i>11:00 A.M.</i>
Lease <i>Herrmann</i>	Well No. <i>C-1^{opnd}</i>	Location <i>Offerte 3s, 1w, 1/4s Eliot</i>			County <i>Ford</i>	State <i>Ks.</i>	

Contractor <i>Abercrombie Rigs #8</i>	
Type Job <i>Production String 2-Stage Top</i>	
Hole Size	T.D.
Csg. <i>4 1/2</i>	Depth <i>4799'</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool <i>DU</i>	Depth <i>1129'</i>
Cement Left in Csg.	Shoe Joint
Press Max. <i>1800 #</i>	Minimum
Meas Line	Displace <i>17 # 95 bbls</i>
Perf.	

Owner <i>Same</i>
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 <i>Ah. Abercrombie Inc.</i>
Street <i>801 Union Center</i>
City <i>Wichita</i> State <i>Ks 67202</i>
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X <i>E.L. Abercrombie</i>

EQUIPMENT

No. <i>#158</i>	Cementor	<i>Steve Kopper</i>
Pumptrk	Helper	<i>Ken</i>
No.	Cementor	<i>Don</i>
Pumptrk	Helper	
	Driver	<i>Bob B</i>
Bulktrk <i>#240</i>	Driver	<i>Jayson</i>

CEMENT			
Amount Ordered	<i>325 sk</i>	<i>65/35</i>	<i>60/gal.</i>
Consisting of			
Common	<i>211</i>	<i>5.75</i>	<i>1213.25</i>
Poz. Mix	<i>114</i>	<i>3.00</i>	<i>342.00</i>
Gel.	<i>20</i>	<i>7.00</i>	<i>140.00</i>
Chloride			
Quickset			
Handling	<i>325</i>	<i>1.00</i>	<i>325.00</i>
Mileage	<i>60</i>		<i>780.00</i>
			Total <i>2800.25</i>

DEPTH of Job *1129'*

Reference:	<i>Pump Truck</i>	<i>525.00</i>
	<i>Mileage</i>	<i>N/C</i>
	Sub-Total	
	Total	<i>525.00</i>

Floating Equipment	
TOTAL \$ <i>3325.25</i>	
STATE CONSERVATION PERMISION	<i>665.05</i>
APR 20 1994	<i>2660.20</i>
CONSERVATION DIVISION	<i>Allied Cementing Co. Inc.</i>
	<i>By: Steve Kopper</i>

Remarks: *Drop opening about, wind 10 min
Pump and open tool @ 900#. Mix 310 sks
Annont Release Plug out and displace w/ fresh water
Land plug @ 1800#. Mix 13 sks in Ret hole
Thank You!*

ORIGINAL

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.

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