

ORIGINAL

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

Operator: License # 6039

Name: L. D. Drilling, Inc.

Address R. R. 1, Box 183 B

City/State/Zip Great Bend, KS 67530

Purchaser: NA

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

5-22-97 5-29-97
Spud Date Date Reached TD Completion Date

API NO. 15- 101-217390000
County Lane
SW - NW - NW - Sec. 21 Twp. 19 Rge. 28 E
990 Feet from S (circle one) Line of Section
330 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Thomas Well # 1
Field Name unnamed

Producing Formation NA
Elevation: Ground 2781' KB 2786'
Total Depth 4700' PBTB _____

Amount of Surface Pipe Set and Cemented at 271' 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.

Drilling Fluid Management Plan Part A, 3-13-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls
Dewatering 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. _____

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07-17-1997
A11-37

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 CP-4 form with all plugged wells. Submit CP-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.

Signature L. D. Davis
Title President Date 7-9-97

Subscribed and sworn to before me this 9th day of July, 19 97.

Notary Public Bessie M. DeWerff
Date Commission Expires 5-20-01

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

NOTARY PUBLIC - State of Kansas
BESSIE M. DeWERFF
My Appl. Exp. 5-20-01

Operator Name L. D. Drilling, Inc.

Lease Name Thomas

Well # 1

Sec. 21 Twp. 19 Rge. 28 East West

County Lane

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.) Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run (Submit Copy.) Yes No
List All E.Logs Run:

Log Formation (Top), Depth and Datums Sample
Name Top Datum
See Attached

NO LOGS

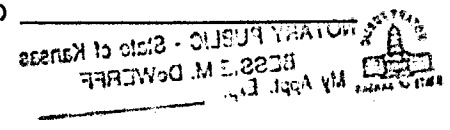
CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/2	8 5/8	24#	271	Com., Poz.	165	50/50, 3% Gel, 5% Ch

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	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	<u>P&A</u>				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 <u>N-A</u> Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____



ORIGINAL

THOMAS LEASE
Lane County

ACO-1
Page 2

15-101-21739-00-00

Sample

Name	Top	Datum
Anhy Top	2131	(+651)
Base	2164	(+622)
Heebner	3992	(-1206) (-20' to Toburen)
Lansing	4023	(-1247)
K/C	4118	(-1232)
Muncie Creek	4208	(-1422)
Stark	4308	(-1522) (-16' to Toburen)
Hush Puck.	4346	(-1560)
Pleasanton	4393	(-1607)
Marm.	4515	(-1629)
Ft. Scott	4566	(-1780)
Cherokee	4587	(-1801)
Miss.	4657	(-1871) (-18' to Toburen)
Miss Dol.	4672	(-1886)

DST#1
 4388-4408
 Times 30-45-45-60
 Blow: 1st Open bb in 14 min.
 2nd Open bb in 38 min.
 Recovery: 5' co, 445' Muddy Sulfer Water
 IFP: 120-150 FFP: 200-250 ISIP: 370 FSIP: 370

DST#2 *No*
 Blow: 1st Open
 2nd Open

DST#3 *No*
 Blow: 1st Open
 2nd Open

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 1997 JUL 17 A 11: 37

ALLIED CEMENTING CO., INC.

5604

15-101-21739-00-00

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: MB

DATE <u>5-22-97</u>	SEC <u>21</u>	TWP <u>19</u>	RANGE <u>28</u>	CALLED OUT <u>4:00 PM</u>	ON LOCATION <u>5:00 PM</u>	JOB START <u>6:30 PM</u>	JOB FINISH <u>7:30 PM</u>
LEASE <u>Thomas</u>	WELL# <u>1</u>	LOCATION <u>Dighton Co 20 1/2 S 4 S</u>				COUNTY <u>Lawrence</u>	STATE <u>K.S.</u>

OLD OR NEW (Circle one)

CONTRACTOR L.D. Drilling Rig #1

TYPE OF JOB Surface Pipe

HOLE SIZE 12 1/4" T.D. 271 ft

CASING SIZE 8 1/2" DEPTH 271 ft

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 100' MINIMUM _____

MEAS. LINE 256' SHOE JOINT _____

CEMENT LEFT IN CSG. 15 ft

PERFS. Displace ment 16' 3/4"

OWNER _____

CEMENT

AMOUNT ORDERED 165 50 37.00 26.00

EQUIPMENT

PUMP TRUCK CEMENTER Mike M.

120 HELPER Duane S.

BULK TRUCK

116 DRIVER Dwayne W.

BULK TRUCK

_____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

HANDLING _____

MILEAGE _____

TOTAL _____

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REMARKS:

SERVICE

Circulate the Hole with Rig mud pump

Mix Cement + Release the plug

Displace plug Down with water

Cement did Circulate to Surface ✓

DEPTH OF JOB 271 ft

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 1-8 1/2" wooden plug @ _____

TOTAL _____

CHARGE TO: L.D. Drilling

STREET _____

CITY Mount Airy STATE K.S. ZIP 67530

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

Thank you

Allied Cementing Co Inc

Mike + Duane + Dwayne

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Dwayne W. Maguire

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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.

ALLIED CEMENTING CO., INC.

5607

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL SERVICE POINT:

MO

DATE <u>5-28-97</u>	SEC <u>21</u>	TWP. <u>19</u>	RANGE <u>28</u>	CALLED OUT <u>6:30 PM</u>	ON LOCATION <u>10:30 AM</u>	JOB START <u>11 PM</u>	JOB FINISH <u>3 AM</u>
LEASE <u>Thomas</u>		WELL# <u>1</u>	LOCATION <u>Dighton 65 20 515</u>			COUNTY <u>Lane</u>	STATE <u>K.S.</u>

OLD OR NEW (Circle one)

CONTRACTOR L.D. Drilling Rig
 TYPE OF JOB Rotary Plug
 HOLE SIZE T.D. 4678 ft
 CASING SIZE 8 3/8 DEPTH 271 ft
 TUBING SIZE 4 1/2 DEPTH 1265 ft
 DRILL PIPE 4 1/2 DEPTH 1265 ft
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Same
 CEMENT

AMOUNT ORDERED 255 60/40 67 sel 1/4 Flour

COMMON	<u>153</u>	@	<u>6.10</u>	<u>933.30</u>
POZMIX	<u>102</u>	@	<u>3.15</u>	<u>321.30</u>
GEL	<u>13</u>	@	<u>9.50</u>	<u>123.50</u>
CHLORIDE		@		
<u>Flo Seal - 64 #</u>		@	<u>1.15</u>	<u>73.60</u>
		@		
		@		
		@		
		@		
HANDLING	<u>255</u>	@	<u>1.05</u>	<u>267.75</u>
MILEAGE	<u>36</u>	@		<u>367.20</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mike M
 # 120 HELPER Duane S.
 BULK TRUCK
 # 199 DRIVER Harry R.
 BULK TRUCK
 # _____ DRIVER _____

TOTAL 2086.65

REMARKS:

Mix 50 yds at 2165 ft Displace with mud
Mix 80 yds at 1350 ft Displace with mud
Mix 50 yds at 650 ft Displace with water
Mix 50 yds at 300 ft Displace with water
Mix 10 yds at 40 ft with Plug at 40 ft
Mix 15 yds in Ret Hole

SERVICE

DEPTH OF JOB	<u>1265 ft</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>36</u>	@	<u>2.85</u> <u>102.60</u>
PLUG <u>1-3/4" DRW Hole Plug</u>		@	<u>23.00</u> <u>23.00</u>
		@	
		@	

TOTAL \$ 570.60

CHARGE TO: L.D. Drilling Inc
 STREET RR. 1 Box 183-B
 CITY Wrest Bend STATE Mo. ZIP 67530

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

*Thank you
Allied Cementing Co Inc
Mike + Duane - Harry*

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Paul M. Odell
 Paul M. Odell

TAX	<u>- 0 -</u>
TOTAL CHARGE	<u>\$ 2657.25</u>
DISCOUNT	<u>\$ 398.59</u> IF PAID IN 30 DAYS

Net \$ 2258.66

1997 JUL 17 A 11:38
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 KANSAS CEMENTING CO
 COMM