

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

Operator: License # 5135  
Name: JOHN O. FARMER, INC.  
Address: P.O. Box 352  
City/State/Zip: Russell, KS 67665  
Purchaser: NCRA  
Operator Contact Person: John O. Farmer, IV  
Phone: (785) 483-3144  
Contractor: Name: Discovery Drilling Co., Inc.  
License: 31548  
Wellsite Geologist: Randy Kilian

**CONFIDENTIAL**

**KCC**

**SEP 27 2002**

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Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to Enhr./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

8/17/02    8/24/02    8/25/02  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 065-22,853-0000  
County: Graham  
75' S & 20' E of CE/2 NE SW Sec. 11 Twp. 10 S. R. 21 W  East  West  
1905 feet from  S /  (circle one) Line of Section  
2190 feet from  N /  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Miller Well #: 14  
Field Name: Cooper

Producing Formation: Arbuckle  
Elevation: Ground: 2218 Kelly Bushing: 2226  
Total Depth: 3855 Plug Back Total Depth: 3828  
Amount of Surface Pipe Set and Cemented at 214.80 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1726 Feet  
If Alternate II completion, cement circulated from 1726  
feet depth to Surface w/ 350 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *All in use*  
Chloride content 17,500 ppm Fluid volume 320 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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 of 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: John O. Farmer III  
John O. Farmer III  
Title: President Date: 9-27-02

Subscribed and sworn to before me this 27th day of September,

19 2002.  
Notary Public: Margaret A. Schulte  
Margaret A. Schulte  
Date Commission Expires: \_\_\_\_\_

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

NOTARY PUBLIC - State of Kansas  
MARGARET A. SCHULTE  
My Appt. Exp. 1-27-05

Operator Name: JOHN O. FARMER, II Lease Name: MILLER Well #: 14  
 Sec. 11 Twp. 10 S. R. 21W  East  West County: Graham

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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)

List All E. Logs Run:  
 Dual Compensated Porosity Log  
 Dual Induction Log  
 Microresistivity Log  
 Cement Bond Log

<input checked="" type="checkbox"/> Log		Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum	
Anhydrite	1706'	(+520)	
Base/Anhydrite	1743'	(+483)	
Topeka	3239'	(-1013)	
Heebner Shale	3446'	(-1220)	
Toronto	3473'	(-1247)	
Lansing	3487'	(-1261)	
Stark Shale	3671'	(-1445)	
Base/KC	3708'	(-1482)	
Arbuckle	3778'	(-1552)	
L.T.D.	3859'	(-1633)	

**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 Pipe	12 1/4	8 5/8	20	214.80	Common	140	2&Gel&3%CC
Production St.	7 7/8	5 1/2	15.5	3850	ASC	125	
			DV Tool @	1726	60/40Poz	350	6%GelW/1/4#FC/sk

**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
2 SPF	3820-26'	500 gals. MA	
2 SPF	3793-97'	Completed Natural	
2 SPF	3786-89'	Completed Natural	
2 SPF	3780-82'	Completed Natural	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3822'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
September 16, 2002		<input type="checkbox"/> Flowing <input checked="" 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
	15		342		27.5°

Disposition of Gas **METHOD OF COMPLETION** Production Interval 3780-82'

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Sumit ACO-18.)  Other (Specify)



**Discovery  
Drilling**

CONFIDENTIAL

ORIGINAL

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

**DRILLER'S LOG**

Operator: **John O. Farmer, Inc.**  
PO Box 352  
Russell, KS 67665

Contractor: **Discovery Drilling Co., Inc.**  
PO Box 763  
Hays, KS 67601

**KCC**

Lease: Miller #14

**SEP 27 2002**

Location: 75' S & 120' E of CE/2 /NE/SW  
Sec. 11/10S/21W  
Graham Co., KS

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Loggers Total Depth: 3859'  
Rotary Total Depth: 3855'  
Commenced: 8/17/02  
Casing: 8 5/8" @ 214.80' w/140sks  
5 1/2" @ 3850' w/125sks  
DV Tool @ 1726' w/350sks

Elevation: 2218' Gr./2226' KB  
Completed: 8/25/02  
Status: Oil Well

RELEASED  
FROM  
CONFIDENTIAL

**DEPTHS & FORMATIONS  
(All from KB)**

Surface, Sand & Shale	0'	Shale	1742'
Dakota Sand	869'	Shale & Lime	2140'
Shale	1005'	Shale	2452'
Cedar Hill Sand	1142'	Shale & Lime	2872'
Red Bed Shale	1374'	Lime & Shale	3328'
Anhydrite	1699'	RTD	3855'
Base Anhydrite	1742'		

STATE OF KANSAS )  
                          ) ss  
COUNTY OF ELLIS )

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

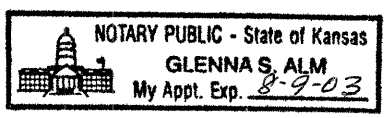
\_\_\_\_\_  
Thomas H. Alm

Subscribed and sworn to before me on 8-26-02

My Commission expires: 8-9-03

(Place stamp or seal below)

\_\_\_\_\_  
Notary Public



# ALLIED CEMENTING CO., INC. 11709

Federal Tax I.D.# [REDACTED]

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

SERVICE POINT: R

ORIGINAL

**CONFIDENTIAL**

DATE <u>8/17/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
					<u>8:00 p.m.</u>		<u>9:05 p.m.</u>
LEASE <u>Miller</u>	WELL # <u>14</u>	LOCATION <u>Church of God</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

KCC

SEP 27 2002

CONTRACTOR Discovery OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 215

CASING SIZE 8 5/8 DEPTH 214

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 10'

PERFS. \_\_\_\_\_

DISPLACEMENT 13301

EQUIPMENT \_\_\_\_\_

CEMENT AMOUNT ORDERED 140 Corn 312 **CONFIDENTIAL**

COMMON	<u>140</u>	@	<u>6.65</u>	<u>931.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>10.00</u>	<u>30.00</u>
CHLORIDE	<u>5</u>	@	<u>30.00</u>	<u>150.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>140</u>	@	<u>1.10</u>	<u>154.00</u>
MILEAGE	<u>44</u>	/SK/MILE		<u>252.00</u>
TOTAL				<u>1517.00</u>

RELEASED FROM **CONFIDENTIAL**

PUMP TRUCK CEMENTER Paul

# 177 HELPER Glen

BULK TRUCK

# 282 DRIVER Shane

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

SERVICE

Cement Circulated!

Thank You!

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>520.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>45</u>	@	<u>3.00</u>	<u>135.00</u>
PLUG	<u>8 5/8</u>	@		<u>15.00</u>
		@		
		@		
TOTAL				<u>700.00</u>

CHARGE TO: J.O. Farmer

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			
TOTAL				_____

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.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Thomas Al

Thomas Al  
PRINTED NAME

# ALLIED CEMENTING CO., INC. 11714

Federal Tax I.D.# XXXXXXXXXX

CONFIDENTIAL

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

ORIGINAL

SERVICE POINT: R

KCC

SEP 27 2002

CONFIDENTIAL

DATE <u>8/24/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>7:00p.m.</u>	JOB START <u>11:25p.m.</u>	JOB FINISH <u>11:45p.m.</u>
LEASE <u>Miller</u>	WELL # <u>14</u>	LOCATION <u>Church of God 2s</u>		COUNTY <u>Crawford</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>(N)</u>			EAS INFO				

CONTRACTOR <u>Discovery</u>		OWNER _____
TYPE OF JOB <u>Longstring Bottom Stage</u>		CEMENT
HOLE SIZE <u>7 7/8</u>	T.D. <u>3853'</u>	AMOUNT ORDERED <u>125 ASC 2% Cel</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>3853'</u>	<u>3/4 of 190 CD-31</u>
TUBING SIZE _____	DEPTH _____	<u>500 Gal WFR-2</u>
DRILL PIPE _____	DEPTH <u>1240'</u>	
TOOL <u>D-V</u>	DEPTH <u>1220'</u>	
PRES. MAX _____	MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____	SHOE JOINT <u>21.00</u>	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____		GEL _____ @ _____
PERFS. <u>45 H<sub>2</sub>O 45 mud 3 1/2 H<sub>2</sub>O</u>		CHLORIDE _____ @ _____
DISPLACEMENT <u>9 3/2</u>		
<b>EQUIPMENT</b>		
PUMP TRUCK CEMENTER <u>Brent</u>		
# <u>177</u> HELPER <u>Ron</u>		
BULK TRUCK _____		
# <u>213</u> DRIVER <u>Darin</u>		
BULK TRUCK _____		
# <u>3102</u> DRIVER <u>Brent</u>		
		TOTAL _____

RELEASED  
FROM  
CONFIDENTIAL

**REMARKS:**

Cent on 1, 2, 5, 7, 52, 89  
Basket on shanty after #152  
1 mixed 50 gal WFR-2. Followed w/  
125sx. Displaced plug w/ 45 H<sub>2</sub>O, 45 mud  
2 H<sub>2</sub>O.

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

PLUG \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: J.O. Farmer

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

5 1/2

Cumulative Shoe 1 @ \_\_\_\_\_

AFU Insert 1 @ \_\_\_\_\_

Cent. 6 @ \_\_\_\_\_

Basket 1 @ \_\_\_\_\_

D-V Tool 1 @ \_\_\_\_\_

Rot. Scratch. 10

TOTAL \_\_\_\_\_

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.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Arvin Weaverling

Arvin WEAVERLING  
PRINTED NAME

# ALLIED CEMENTING CO., INC. 11715

Federal Tax I.D.# 48-0000000

CONFIDENTIAL

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

SERVICE POINT: R

ORIGINAL

DATE <u>8/29/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>12:35 A.M.</u>	JOB FINISH <u>1:10 P.M.</u>
LEASE <u>Miller</u>	WELL# <u>14</u>		LOCATION <u>Church of God 23</u>			COUNTY <u>Graham</u>	STATE <u>Ks.</u>
OLD OR NEW (Circle one) <input checked="" type="radio"/> NEW			E & S INTO				

KCC  
SEP 27 2002

CONFIDENTIAL

CONTRACTOR <u>Discovery</u>	OWNER _____
TYPE OF JOB <u>Longstring (Top Stage)</u>	CEMENT _____
HOLE SIZE <u>7 7/8</u> T.D. <u>3859'</u>	AMOUNT ORDERED <u>375 60/40 60% Gel</u>
CASING SIZE <u>5 1/2</u> DEPTH <u>3853'</u>	<u>1/4 # Floseal</u>
TUBING SIZE _____ DEPTH _____	
DRILL PIPE _____ DEPTH _____	
TOOL <u>D-U</u> DEPTH <u>1240'</u>	
PRES. MAX _____ MINIMUM _____	COMMON _____ @ _____
MEAS. LINE _____ SHOE JOINT _____	POZMIX <b>RELEASED</b> @ _____
CEMENT LEFT IN CSG. _____	GEL <b>FROM</b> @ _____
PERFS. _____	CHLORIDE <b>CONFIDENTIAL</b> @ _____
DISPLACEMENT <u>41 3/4 Bbl</u>	_____ @ _____
EQUIPMENT	_____ @ _____
PUMP TRUCK CEMENTER <u>Paul</u>	_____ @ _____
# <u>177</u> HELPER <u>Ron</u>	_____ @ _____
BULK TRUCK	HANDLING _____ @ _____
# <u>302</u> DRIVER <u>Brent</u>	MILEAGE _____ @ _____
BULK TRUCK	
# <u>213</u> DRIVER <u>Darin</u>	TOTAL _____

**REMARKS:**

Opened tool. Broke Circ.  
Mixed 350sc Cement. Circulated  
Cement to surface. Displaced plug  
closed tool.

Rathole 153x  
mouse 100x

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

PLUG \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: J.O. Farmer

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

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.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Aven Weaverling

Aven Weaverling  
PRINTED NAME