



ORIGINAL

SIDE TWO

Operator Name John O. Farmer, Inc. Lease Name Offner/Curtis Well # 1

East County Lane

Sec. 2 Twp. 16S Rge. 27  
 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  Yes  No  
(Attach Additional Sheets.)  
Samples Sent to Geological Survey  Yes  No  
Cores Taken  Yes  No  
Electric Log Run  Yes  No  
(Submit Copy.)

Log Name	Formation (Top), Depth and Datums	Sample Datum
Anhydrite	1944'	( +572)
Base/Anydrite	1980'	( +536)
Wabunsee	3354'	( -838)
Heebner	3744'	(-1228)
Lansing	3783'	(-1267)
Stark	4023'	(-1507)
Base/KC	4086'	(-1570)
Fort Scott	4280'	(-1764)
Cherokee	4306'	(-1790)
Mississippi	4370'	(-1854)
L.T.D.	4484'	(-1968)

List All E.Logs Run: Cement Bond Log Microresistivity Log  
Dual Compensated Porosity Log Dual Induction Log  
Borehole Compensated Sonic Log Radiation Guard Log

CASING RECORD							
<input checked="" 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	12-1/4"	8-5/8"	20#	223'	Common	150	3% CC, 2% gel
Production	7-7/8"	5-1/2"	15.5#	4471'	ASC	175	2% gel, 500 gal. WFR-2, 3/4 FL-10
			DV-Tool	1950'	Lite	460	1/4#-Flo-seal

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	Top Bottom			
<input checked="" type="checkbox"/> Protect Casing	Backside	cement job	100	60-40 Pozmix, 6% gel
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	(cement did NOT circulate through DV Tool)			

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 SPF	4388-4396'	350 gals. 28% NE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	4447'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
May 30, 2003	<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
	41.75		3.34		39.1°

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  
Production Interval: 4388-4396'



**CONFIDENTIAL**  
**Discovery**  
**Drilling**

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

**ORIGINAL**

RECEIVED

JUN 26 2003

**DRILLER'S LOG**

**KCC WICHITA**

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

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

Lease: Offner #1

**KCC**

Location: E/2 / NW / NE  
 Sec. 2/16S/27W  
 Lane Co., KS

JUN 26 2003

Loggers Total Depth: 4484'  
 Rotary Total Depth: 4480'  
 Commenced: 5/2/03

**CONFIDENTIAL**

Elevation: 2508' GL / 2516' KB  
 Completed: 5/12/03  
 Status: Oil Well

Casing: 8 5/8" @ 222.95' w/150sks  
 5 1/2" @ 4471' w/ 175 sks  
 DV Tool @ 1950' w/450 sks

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

Surface, Sand & Shale	0'	Shale	1980'
Dakota Sand	978'	Shale & Lime	2471'
Shale	1100'	Shale	2988'
Cedar Hill Sand	1450'	Shale & Lime	3496'
Red Bed Shale	1715'	Lime & Shale	3786'
Anhydrite	1942'	RTD	4480'
Base Anhydrite	1980'		

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

RELEASED  
 FROM

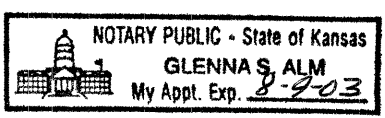
Subscribed and sworn to before me on 5-15-03

**CONFIDENTIAL**

My Commission expires: 8-9-03

(Place stamp or seal below)

*Glenna S. Alm*  
 \_\_\_\_\_  
 Notary Public



# ALLIED CEMENTING CO., INC.

15433

ORIGINAL

**CONFIDENTIAL**

Federal Tax I.D.#

REMIT TO P.O. BOX 352  
RUSSELL, KANSAS 67665

MAY - 8 RECD SERVICE POINT:

Wess City

DATE <u>5-2-03</u>	SEC. <u>2</u>	TWP. <u>16</u>	RANGE <u>27 W</u>	CALLED OUT <u>6:00 pm</u>	ON LOCATION <u>9:30 pm</u>	JOB START <u>11:00 pm</u>	JOB FINISH <u>11:30 pm</u>
LEASE <u>Offner</u>	WELL # <u>#1</u>	LOCATION <u>Quinter Rd. north thru curves</u>			COUNTY <u>lane</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)		to Farmer - wess lse sign - west thru well into					

CONTRACTOR Discovery #2  
 TYPE OF JOB Surface pipe  
 HOLE SIZE 12" T.D. 223  
 CASING SIZE 8 5/8 DEPTH 223  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. approx 15'  
 PERFS.  
 DISPLACEMENT 13 1/2 BBL's

OWNER John O. Farmer  
 CEMENT  
 AMOUNT ORDERED 155 sq common 342

**EQUIPMENT**

PUMP TRUCK CEMENTER Jack  
 # 224 HELPER Jim  
 BULK TRUCK  
 # 341 DRIVER Steve  
 BULK TRUCK  
 # DRIVER

COMMON 155 sq @ 7.15 1108.25  
 POZMIX @  
 GEL 3 sq @ 10.00 30.00  
 CHLORIDE SA4 @ 30.00 150.00  
 @  
 @  
 @  
 @  
 @  
 HANDLING 163 sq @ 1.15 187.45  
 MILEAGE 153.40 @ 39 301.55  
 TOTAL 1777.25

**REMARKS:**

Run 5 jts of 8 5/8 csg. cement with  
 150 sq cement - Displace plug with  
 13 1/2 BBL's fresh water  
 Cement did Circ -

**SERVICE**

DEPTH OF JOB 223'  
 PUMP TRUCK CHARGE 520.00  
 EXTRA FOOTAGE @  
 MILEAGE 37 Mi. @ 3.50 129.50  
 PLUG 1-8 5/8 wood @ 45.00 45.00  
 @  
 @  
 TOTAL 694.50

CHARGE TO: John O Farmer  
 STREET P.O. Box 352  
 CITY Russell STATE KS ZIP 67665

**FLOAT EQUIPMENT**

@  
 @  
 @  
 @  
 @

TOTAL

RELEASED  
 FROM  
 CONFIDENTIAL

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 128.46  
 TOTAL CHARGE 3899.11  
 DISCOUNT 247.18 IF PAID IN 30 DAYS

SIGNATURE

Thomas Alm

Thomas Alm

PRINTED NAME

RECEIVED  
 JUN 26 2003  
 KCC WICHITA

KCC  
 JUN 26 2003  
 CONFIDENTIAL

# ALLIED CEMENTING CO., INC. 11081

**CONFIDENTIAL**

Federal Tax I.D. # [REDACTED]

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

SERVICE POINT:  
OAKLEY

**ORIGINAL**

DATE <u>5-12-03</u>	SEC. <u>2</u>	TWP. <u>16S</u>	RANGE <u>27 W</u>	CALLED OUT	ON LOCATION <u>9:00 AM</u>	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>OFFNER</u>	WELL # <u>1</u>	LOCATION <u>WICCA 3W-4N-2 WNSW40</u>			COUNTY <u>LANE</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR <u>DISCOVERY REG #2</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>PRODUCTION STRING "Bottom Stage"</u>	
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4480'</u>
CASING SIZE <u>5 1/2"</u>	DEPTH <u>4471'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>D-U 1</u>	DEPTH <u>1950'</u>
PRES. MAX <u>800 PSI</u>	MINIMUM <u>200 PSI</u>
MEAS. LINE	SHOE JOINT <u>15'</u>
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>60 BBL WATER 46 BBL MUD</u>	
EQUIPMENT <u>106 TOTAL BBL.</u>	
PUMP TRUCK <u># 300</u>	CEMENTER <u>TERRY</u>
BULK TRUCK <u># 315</u>	HELPER <u>WAYNE</u>
BULK TRUCK <u># 361</u>	DRIVER <u>LARRY</u>
	DRIVER <u>LONNIE</u>

CEMENT	AMOUNT ORDERED	<u>175 SKS ASC 28682</u>
	<u>340F 18 FL-10</u>	
	<u>500 GAL WFR-2</u>	
ASC	<u>175 SKS</u>	@ <u>9.85</u> = <u>1723.75</u>
POZMIX		@
GEL	<u>3 SKS</u>	@ <u>10.00</u> = <u>30.00</u>
CHLORIDE		@
	<u>FL-10 123#</u>	@ <u>8.00</u> = <u>984.00</u>
	<u>WFR-2 500 GAL</u>	@ <u>1.00</u> = <u>500.00</u>
HANDLING	<u>175 SKS</u>	@ <u>1.15</u> = <u>201.25</u>
MILEAGE	<u>654 PER SK/MILE</u>	= <u>323.70</u>
TOTAL		<u>3762.75</u>

RECEIVED  
JUN 26 2003  
KCC WICHITA

KCC  
JUN 26 2003  
CONFIDENTIAL

**REMARKS:**

MIX 500 GAL WFR-2 300L WATER  
Followed BY 175 SKS ASC 28682  
34 OF 18 FL-10. DIS PLACE WITH 60 BBL  
WATER 46 BBL MUD. PLUG DON'T  
LAND. FLOAT HELD

THANK YOU

**SERVICE**

DEPTH OF JOB	<u>4471'</u>
PUMP TRUCK CHARGE	<u>1130.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>37 MI</u> @ <u>3.50</u> = <u>129.50</u>
PLUG	@
	@
	@
TOTAL	<u>1259.50</u>

CHARGE TO: John O. Farmer, Inc.  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

<u>5 1/2"</u>	
<u>1- GUIDE SHOE</u>	@ <u>150.00</u>
<u>1- AFU INSERT</u>	@ <u>235.00</u>
<u>8- CENTRALIZERS</u>	@ <u>50.00</u> = <u>400.00</u>
<u>2- BASKET</u>	@ <u>128.00</u> = <u>256.00</u>
<u>1- D-U TOOL</u>	@ <u>330.00</u>
<u>30-5' Rotating SCARIFIERS</u>	<u>45.00</u> = <u>1350.00</u>
TOTAL	<u>5691.00</u>

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

RELEASED

FROM

CONFIDENTIAL

SIGNATURE Aven Weavering Aven Weavering  
PRINTED NAME

# ALLIED CEMENTING CO., INC. 11082

Federal Tax I.D.# ~~XXXXXXXXXX~~

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

SERVICE POINT:

OAKLEY

ORIGINAL

**CONFIDENTIAL**

DATE <u>5-12-03</u>	SEC. <u>2</u>	TWP. <u>16S</u>	RANGE <u>27W</u>	CALLED OUT	ON LOCATION <u>9:00 AM</u>	JOB START <u>2:00 PM</u>	JOB FINISH <u>3:00 PM</u>
LEASE <u>OFFNER</u>	WELL # <u>1</u>	LOCATION <u>UTICA 3W-4N-2WSNENR0</u>		COUNTY <u>LABE</u>	STATE <u>KS</u>		

OLD OR NEW (Circle one)

CONTRACTOR <u>DISCOVERY RIG # 2</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>Production string "TOP STAGE"</u>	
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4480'</u>
CASING SIZE <u>5 1/2"</u>	DEPTH <u>4471'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>D-U</u>	DEPTH <u>1950'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>15"</u>
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT	

**EQUIPMENT**

PUMP TRUCK	CEMENTER <u>TERRY</u>
# <u>300</u>	HELPER <u>WAYNE</u>
BULK TRUCK	
# <u>361</u>	DRIVER <u>LOWRICE</u>
BULK TRUCK	
# <u>315</u>	DRIVER <u>LARRY</u>

**CEMENT**

AMOUNT ORDERED 475 SKS LITE 1/4" FLO-SEAL

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
<u>LITE 400 SKS</u>	@	<u>7.35</u>	<u>3491.75</u>
<u>FLO-SEAL 119#</u>	@	<u>1.40</u>	<u>166.60</u>
HANDLING <u>475 SKS</u>	@	<u>1.15</u>	<u>546.75</u>
MILEAGE <u>0.54 PER SK / MILE</u>			<u>878.75</u>
<b>TOTAL</b>			<b><u>5082.85</u></b>

**REMARKS:**

~~REMARKS~~  
MIX 15 SKS RAT HOLE  
MIX 460 SKS LITE 1/4" FLO-SEAL  
& DISPLACE WITH 46 1/2 BBL. WATER.  
LAST CIRCULATION CEMENT DIDN'T  
CIRCULATE. PLUG LANDED. TOOL HELD

THANK YOU

**SERVICE**

DEPTH OF JOB <u>1950'</u>	
PUMP TRUCK CHARGE	<u>650.00</u>
EXTRA FOOTAGE	@
MILEAGE	@
PLUG	@
	@
	@
<b>TOTAL</b>	<b><u>650.00</u></b>

CHARGE TO: John O. Farmer, Inc

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 ADVANCE \_\_\_\_\_

RELEASED FROM

**CONFIDENTIAL**

SIGNATURE Ann Weavling

PRINTED NAME \_\_\_\_\_

RECEIVED  
 JUN 26 2003  
 KCC WICHITA  
 KCC  
 JUN 26 2003  
 CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

10991

**CONFIDENTIAL**

Federal Tax I.D.# [REDACTED]

**ORIGINAL**

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

SERVICE POINT:  
Ness City

DATE <u>05-14-03</u>	SEC. <u>2</u>	TWP. <u>16</u>	RANGE <u>27</u>	CALLED OUT <u>5:00 AM</u>	ON LOCATION <u>8:00 AM</u>	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>OPENED</u>	WELL # <u>1</u>	LOCATION <u>4 Hwy + Quarter Rd. 2 1/2 W</u>			COUNTY <u>LAKE</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)		<u>1/2 W 1 1/2 N 3 SW 4 N 1/2 W</u>					

CONTRACTOR \_\_\_\_\_

TYPE OF JOB BACKSIDE JOB

HOLE SIZE 7 7/8" T.D. \_\_\_\_\_

CASING SIZE 5 1/2" DEPTH \_\_\_\_\_

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

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

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

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

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

CEMENT LEFT IN CSG. Top Cement 400' 5 1/2"

PERFS. 7 7/8" hole

DISPLACEMENT \_\_\_\_\_

OWNER John O. Farmer

CEMENT AMOUNT ORDERED 10004 60/40-POZ

6 7/8" (B&A 15M)

COMMON	<u>944</u>	@	<u>7.15</u>	<u>6435</u>
POZ MIX	<u>644</u>	@	<u>3.50</u>	<u>2250</u>
GEL	<u>1.24</u>	@	<u>10.00</u>	<u>1000</u>
CHLORIDE		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>105 04</u>	@	<u>1.15</u>	<u>120.75</u>
MILEAGE	<u>105 05 37</u>			<u>194.25</u>
TOTAL				<u>412.05</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER BUD

# 224 HELPER TIM W

BULK TRUCK

# 260 DRIVER STEVE

BULK TRUCK

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

**REMARKS:**

Worked up to 5 1/2" CG. Press.  
to 500 P.S.I. 5 1/2" W.  
Mixed 60/40-POZ. 6 7/8" Gel to  
Put back up to ANVICUS PUMP  
to 5 1/2" PRESS to 300# P.S.I.  
HELD

**SERVICE**

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

PUMP TRUCK CHARGE \_\_\_\_\_ 520.00

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

MILEAGE 37 @ 3.50 129.50

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

TOTAL 649.50

CHARGE TO: JOHN O. FARMER

STREET P.O. Box 352

CITY RUSSELL STATE KS ZIP 67665

**FLOAT EQUIPMENT**

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \_\_\_\_\_

**RELEASED FROM CONFIDENTIAL**

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 1061.65

DISCOUNT 106.15 IF PAID IN 30 DAYS

SIGNATURE [Signature]

PRINTED NAME \_\_\_\_\_

RECEIVED JUN 26 2003 KCC WICHITA

KCC JUN 26 2003 CONFIDENTIAL