

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

7-12-2002 ORIGINAL

Operator: License # 5135

Name: JOHN O. FARMER, INC. CONFIDENTIAL

Address: P.O. Box 352

City/State/Zip: Russell, KS 67665

Purchaser:

Operator Contact Person: John O. Farmer, IV

Phone: (785) 483-3144

Contractor Name: Discovery Drilling Co., Inc.

License: 31548 KCC

Wellsite Geologist: Randy Kilian

Designate Type of Completion: JUL 09 2002

New Well Re-Entry Workover CONFIDENTIAL

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.

5/13/02 5/20/02 5/31/02

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 065-22,830-0000

County: Graham

20 N of 100 W of Sec. 16 Twp. 9 S. R. 21w East West

970 feet from S / (circle one) Line of Section

890 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Clack "A" Well #: 1

Field Name: Morel

Producing Formation: Arbuckle

Elevation: Ground: 2214 ' Kelly Bushing: 2222 '

Total Depth: 3830' Plug Back Total Depth: 3796'

Amount of Surface Pipe Set and Cemented at 209.19 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1698 Feet

If Alternate II completion, cement circulated from 1698'

feet depth to Surface w/ 375 sx cmt.

(10sks In Mouse Hole)(15sks In Rat Hole)

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) *See well*

Chloride content 2,700 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*

Title: John O. Farmer III President Date: 7-9-02

Subscribed and sworn to before me this 9th day of July

2002.

Notary Public: *Margaret A. Schulte*

Date Commission Expires:



KCC Office Use ONLY

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

Operator Name: JOHN O. FARMER, I Lease Name: Clack "A" Well #: 1
Sec. 16 Twp. 9 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. Attach log sheets if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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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 Induction
Microresistivity
Dual Compensated Porosity
Borehole Compensated Sonic
Sonic Cement Bond Log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
	Name Top Datum	
	Anhydrite 1695' (+527)	
	Base/Anhydrite 1730' (+492)	
	Topeka 3164' (-942)	
	Heebner Shale 3371' (-1149)	
	Toronto 3394' (-1172)	
	Lansing 3410' (-1188)	
	Stark Shale 3588' (-1366)	
	Base/KC 3622' (-1400)	
	Marmaton 3658' (-1436)	
	Sand 3716' (-1494)	

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 Pipe	12 1/4 "	8 5/8 "	20#	209.19'	Common	150	2%Gel&3%CC
Production St.	7 7/8 "	5 1/2 "	15.5#	3828'	ASC	175	2%Gel
			DV Tool @	1698'	60/40Poz	375	6%Gel&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
4 SPF	3723-30' & 3733-38'	250 gals. MA	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3790'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
June 7, 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
	35.07		38.33		28.3°

Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 3723-30' & 3733-38'



Discovery Drilling

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

CONFIDENTIAL ORIGINAL

CONFIDENTIAL

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

Lease: Clack "A" #1

KCC

Location: 20' N & 100' W of SE/NW/NW
Sec. 16/9S/21W
Graham Co., KS

JUL 09 2002

Loggers Total Depth: 3830'
Rotary Total Depth: 3830'
Commenced: 5/13/02
Casing: 8 5/8" @ 209.19' w/150sks
5 1/2" @ 3828' w/175sks
DV Tool @ 1700' w/400sks

Elevation: 2214' Gr./2222' KB
Completed: 5/20/02
Status: Oil Well

DEPTHS & FORMATIONS (All from KB)

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Surface, Sand & Shale	0'	Shale	1731'
Dakota Sand	811'	Shale & Lime	2423'
Shale	944'	Shale	2644'
Cedar Hill Sand	1186'	Shale & Lime	3166'
Red Bed Shale	1427'	Lime & Shale	3363'
Anhydrite	1695'	RTD	3830'
Base Anhydrite	1731'		

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.

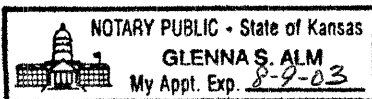
Thomas H. Alm

Subscribed and sworn to before me on 5-24-02

My Commission expires: 8-9-03

(Place stamp or seal below)

Notary Public



ALLIED CEMENTING CO., INC.

6455

Federal Tax I.D. # [REDACTED]

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

CONFIDENTIAL

SERVICE POINT:

Russell

ORIGINAL

DATE <i>5-13-02</i>	SEC. <i>16</i>	TWP. <i>9</i>	RANGE <i>21</i>	CALLED OUT <i>3:15 PM</i>	ON LOCATION <i>4:30 PM</i>	JOB START <i>6:00 PM</i>	JOB FINISH <i>6:30 PM</i>
LEASE <i>Clack</i>	WELL # <i>A-1</i>	LOCATION <i>Bogue Rd. + Red Line</i>			COUNTY <i>Graham</i>	STATE <i>KANSAS</i>	
OLD OR NEW (Circle one)		<i>Jct. 3N 1E 4S.</i>					

CONTRACTOR <i>Discovery Dalg. Rig #1</i>	OWNER
TYPE OF JOB <i>SURFACE</i>	
HOLE SIZE <i>12 1/4</i>	T.D. <i>210</i>
CASING SIZE <i>8 5/8</i>	DEPTH <i>209</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>15-20</i>	
PERFS.	
DISPLACEMENT <i>12 1/2 BBL</i>	EQUIPMENT
PUMP TRUCK # <i>345</i>	CEMENTER <i>Glean</i>
	HELPER <i>Dave</i>
BULK TRUCK # <i>213</i>	DRIVER <i>Shane</i>
	DRIVER

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CEMENT AMOUNT ORDERED <i>150 Com</i>	<i>3% cc</i>	
	<i>2% gel</i>	
COMMON <i>150</i>	@ <i>6.65</i>	<i>997.50</i>
POZMIX	@	
GEL	@ <i>3.00</i>	<i>30.00</i>
CHIPS	@ <i>30.00</i>	<i>150.00</i>
HANDLING <i>150</i>	@ <i>1.10</i>	<i>165.00</i>
MILEAGE <i>44/54/mile</i>		<i>300.00</i>
TOTAL		<i>1642.50</i>

REMARKS:

SERVICE

Cement CIRCULATED
Thanks

DEPTH OF JOB	
PUMP TRUCK CHARGE	<i>520.00</i>
EXTRA FOOTAGE @	
MILEAGE <i>50</i> @ <i>3.00</i>	<i>150.00</i>
PLUG <i>8 1/2 wooden</i> @	<i>40.00</i>
TOTAL	<i>715.00</i>

CHARGE TO: *J.O. Farmer*
STREET _____
CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

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 *Carl F. Craft*

Carl F. Craft
PRINTED NAME

ALLIED CEMENTING CO., INC.

10669

Federal Tax ID [REDACTED]

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

CONFIDENTIAL

SERVICE POINT: _____

ORIGINAL
RECEIVED
JUL 12
KCC MCHITA

DATE <u>5/20/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
					<u>4:30p.m.</u>		<u>7:15p.m.</u>
LEASE <u>Click</u>	WELL# <u>A-1</u>	LOCATION <u>Bogue Rd. + Redline 3w</u>			COUNTY	STATE	
OLD OR <u>(NEW)</u> (Circle one)		<u>1E 1/2 E Furo</u>			<u>Graham</u>	<u>KS</u>	

CONTRACTOR <u>Discovery</u>	OWNER
TYPE OF JOB <u>Long string (D.V. Bottom Stage)</u>	CEMENT
HOLE SIZE <u>2 3/8</u>	AMOUNT ORDERED <u>175 Asc 290 (rel)</u>
CASING SIZE <u>5 1/2</u>	<u>500 gal WFR-2</u>
TUBING SIZE	
DEPTH	
DRILL PIPE	
DEPTH	
TOOL D.V.	
DEPTH <u>1,068'</u>	
PRES. MAX	
MINIMUM	
MEAS. LINE	
SHOE JOINT <u>27.35'</u>	
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>92 1/2 bbl</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Bill</u>	
# <u>177</u> HELPER <u>Darin</u>	
BULK TRUCK	
# <u>282</u> DRIVER <u>Calen</u>	
BULK TRUCK	
# <u>312</u> DRIVER <u>Brent</u>	

COMMON <u>175 Asc @ 8.50</u>	<u>1487.50</u>
POZMIX @	
GEL <u>3 @ 10.00</u>	<u>30.00</u>
CHLORIDE @	
<u>WFR-2 500 gal @ 1.00</u>	<u>500.00</u>
@	
@	
@	
HANDLING <u>175 @ 1.40</u>	<u>192.50</u>
MILEAGE <u>44 1/2 / mile</u>	<u>350.00</u>
TOTAL	<u>2560.00</u>

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REMARKS:

SERVICE

Moved 500 gal WFR-2. Followed w/
175 Asc. Displaced plug.
Float held!
Thank You!

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1130.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>50 @ 3.00</u>	<u>150.00</u>
PLUG @	
@	
@	
TOTAL	<u>1280.00</u>

CHARGE TO: John O. Farmer
STREET _____
CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

<u>5 1/2</u>	
<u>Casde Shoe @</u>	<u>150.00</u>
<u>APK Insert @</u>	<u>235.00</u>
<u>Centralizer 5 @ 50.00</u>	<u>400.00</u>
<u>Basket 1 @</u>	<u>125.00</u>
<u>D-V Tool @</u>	<u>2800.00</u>
<u>Rotate Sertch 20 @ 45.00</u>	<u>900.00</u>
TOTAL	<u>4613.00</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

SIGNATURE Arvin Weasler

PRINTED NAME _____

ALLIED CEMENTING CO., INC.

10670

Federal Tax I. [REDACTED]

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

SERVICE POINT: D

CONFIDENTIAL

ORIGINAL

DATE <u>5/20/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>8:00 a.m.</u>	JOB FINISH <u>9:00 a.m.</u>
LEASE <u>Clack</u>	WELL # <u>A-1</u>	LOCATION <u>Bogue Rd. Redline 3 1/2 E</u>			COUNTY <u>Crawford</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)				<u>2.5 E INTO</u>			

Per John O. Farmer III
there was fill-up
above the DV
Tool after
cementing.

CONTRACTOR Discovery

TYPE OF JOB Longstring (Top Stage)

HOLE SIZE 2 7/8" T.D. 3828'

CASING SIZE 5/8" DEPTH 3829'

TUBING SIZE DEPTH

DRILL PIPE DEPTH 1468'

TOOL D-V DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 41 Bbl

EQUIPMENT

PUMP TRUCK CEMENTER Bill

127 HELPER Darin

BULK TRUCK

362 DRIVER Brent

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 400 40/10 100/60/1
1/4 # F10

COMMON	<u>240</u>	@	<u>6.65</u>	<u>1596.00</u>
POZMIX	<u>160</u>	@	<u>3.55</u>	<u>568.00</u>
GEL	<u>20</u>	@	<u>10.00</u>	<u>200.00</u>
CHLORIDE		@		
Flocc	<u>100</u>	@	<u>1.40</u>	<u>140.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>400</u>	@	<u>1.10</u>	<u>440.00</u>
MILEAGE	<u>4 1/2</u>	@	<u>1.00</u>	<u>800.00</u>
TOTAL				<u>3744.00</u>

KCC

JUL 09 2002

CONFIDENTIAL

RELEASED

FROM

CONFIDENTIAL

REMARKS:

SERVICE

Opened D-V Tool. Circ. 30 min.
Mixed 400sr. Displaced plug. Closed
tool.

Cement Circulated!

Thank You!

DEPTH OF JOB

PUMP TRUCK CHARGE 650.00

EXTRA FOOTAGE @

MILEAGE @

PLUG @

TOTAL 650.00

CHARGE TO: John 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 Alan Wemyer

PRINTED NAME