

SIDE ONE

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

API NO. 15- 167-22,883 - 0000

County Russell

SE NW NW Sec. 28 Twp. 11S Rge. 15 x East West

4290 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

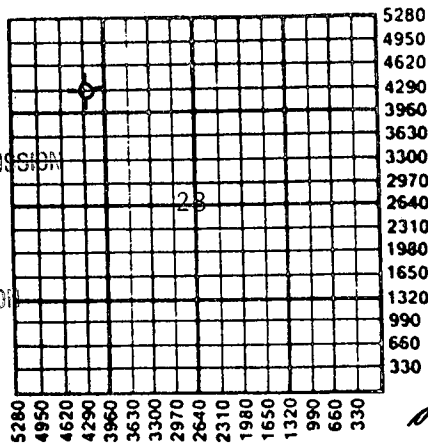
Lease Name Krug Well # B-1

Field Name Fairport

Producing Formation \_\_\_\_\_

Elevation: Ground 1825' KB 1830'

Total Depth 3310' PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 204 Feet

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes x No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 204

feet depth to surface w/ 135 sx cmt.

Operator: License # 5135

Name: John O. Farmer, Inc.

Address P. O. Box 352

City/State/Zip Russell, KS 67665

Purchaser: \_\_\_\_\_

Operator Contact Person: Sam Farmer

Phone (913) -483-3144

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Sam Farmer

Designate Type of Completion  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ Temp. Abd.

\_\_\_\_\_ Gas \_\_\_\_\_ Inj \_\_\_\_\_ Delayed Comp.

Dry \_\_\_\_\_ Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Cable

11/27/89 12/5/89 12-5-89  
Spud Date Date Reached TD Completion Date

RECEIVED  
STATE CORPORATION COMMISSION  
1-2-90  
JAN 2 1990  
CONSERVATION DIVISION  
Wichita, Kansas

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

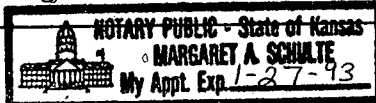
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature John O. Farmer III  
Title President Date 12-29-89

Subscribed and sworn to before me this 29th day of December, 19 89.

Notary Public Margaret A. Schulte  
Margaret A. Schulte

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY		
F	_____	Letter of Confidentiality Attached
C	_____	Wireline Log Received
C	_____	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	_____ SWD/Rep
<input checked="" type="checkbox"/>	KGS	_____ Plug
		_____ NGPA
		_____ Other
		(Specify)

X p1

**SIDE TWO**

Operator Name John O. Farmer, Inc Lease Name Krug Well # B-1  
 Sec. 28 Twp. 11S Rge. 15  East  West  
 County Russell

**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.)

Name	Formation Description	
	Top	Bottom
Anhydrite	906'	(+924)
Base/Anhy.	936'	(+894)
Topeka	2658'	(-828)
Heebner	2912'	(-1082)
Toronto	2933'	(-1103)
Lansing	2963'	(-1133)
Reworked Arbuckle	3290'	(-1460)
Arbuckle	3296'	(-1466)
R.T.D.	3310'	(-1480)

\* COPY OF 12-6-89 DRILLERS LOG ATTACHED.  
 \*\* SEE ATTACHED SHEET FOR DRILL STEM TESTS.

**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	12-1/4"	8-5/8"		204'	60-40 Pozmix	135	3% C.C., 2% gel

Shots Per Foot	PERFORATION RECORD 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  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

15-167-22883-0000

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR John O. Farmer, Inc. LEASE NAME Krug "B" #1 SEC. 28 TWP. 11 SRGE. 15W

**FILL IN WELL LOG AS REQUIRED:**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
---------------------------------------	-----	--------	------	-------

DST #1 3025-70'  
Mis-run

DST #2 3025-70'  
Tool open 45-45-30-30 - strong blow  
Rec: 900' saltwater  
IFP: 144-317  
FFP: 365-413  
BHP: 596-576

DST #3 3112-3217'  
Tool open 30-30-15 - weak blow, 25 min.  
Rec: 20' drilling mud  
IFP: 96-96  
IBHP: 451

DST #4 3270-3310'  
Tool open 30-30-15 - weak blow, 12 min.  
Rec: 45' mud w/specks of oil  
IFP: 46-46  
IBHP: 1076

RECEIVED  
STATE CONSERVATION COMMISSION

JAN 2 1990

CONSERVATION DIVISION  
Wichita, Kansas

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: John O. Farmer, Inc.  
P. O. Box 352  
Russell, Kansas 67665

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Krug

WELL #B-1

LOCATION: SE NW NW  
Section 28-11S-15W  
Russell County, Kansas

ROTARY TOTAL DEPTH: 3310'

ELEVATION: 1830' K.B.

COMMENCED: 11/27/89

COMPLETED: 12/5/89

CASING: 8-5/8" @ 204' w/135 sks cement

STATUS: Dry Hole

RECORDED  
STATE CORPORATION COMMISSION

JAN 2 1990

CONSERVATION DIVISION  
Wichita, Kansas

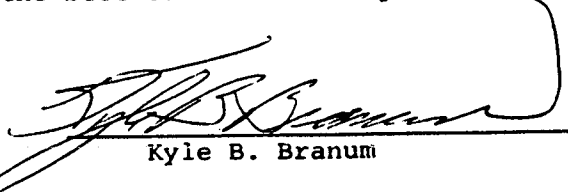
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Post Rock	40'	Shale	936'
Post Rock & Shale	208'	Topeka	2658'
Shale & Sand	420'	Heebner	2912'
Dakota Sand	445'	Toronto	2933'
Cedar Hills	514'	Lansing-Kansas City	2963'
Red Bed	604'	Arbuckle	3296'
Anhydrite	906'	R.T.D.	3310'


STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)


Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

  
\_\_\_\_\_  
Kyle B. Branum

Subscribed and sworn to before me on December 6, 1989.

My commission expires: February 6, 1992.

 **GLEND A. R. TIFFIN**  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 2-6-92

  
\_\_\_\_\_  
Glenda R. Tiffin, Notary Public

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

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

28 11 15 W

*New*

# ALLIED CEMENTING CO., INC. N<sup>o</sup> 8602

Home Office P. O. Box 31      Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
11-27-89	28	11	15	11:30 PM	3:15 PM	8:30 PM	9:00 PM
Lease	Well No.	Location		County	State		
Krug	"B" #1	Gochamlin E 2N 15W 28		Russell	Kansas		

Contractor	Emphasis Oil Operations Rig 8		
Type Job	Surface		
Hole Size	12 1/4"	T.D.	208'
Csg.	8 5/8"	Depth	205'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Press Max.		Minimum	
Meas Line	yes	Displace	
Perf.			

Owner SAME

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 John O. Farmer Inc.  
 Street 370 W Wichita  
 City Russell State Kan 67665

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.  
 X Jack O. Farmer

**CEMENT**

**EQUIPMENT**

#153 No.	Cementer	M Kaufman
Pumptrk	Helper	Dave F.
No.	Cementer	
Pumptrk	Helper	
#156	Driver	Mark D.
Bulktrk		
Bulktrk	Driver	

Amount Ordered	135 SKS 60/46 P02 3 2 cc 20 (1)		
Consisting of			
Common	81	5.00	405.00
Poz. Mix	54	2.25	121.50
Gel.	3	6.75	20.25
Chloride	4	20.00	80.00
Quickset			

<b>DEPTH of Job</b>		
Reference:		
#	Pump Trk	360.00
	1-8 5/8 Plug	40.00
	100 Per mile 23m	23.00
	Sub Total	423.00
	Tax	
	Total	

Handling	90	121.50
Mileage 23m	03	93.15
Sub Total		841.40
Total		

Remarks:  
 Cement Circulated

STATE COMPTROLLER'S COMMISSION  
 AUG 27 1990  
 CONSERVATION DIVISION  
 Wichita, Kansas

*Franklin*

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

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. N<sup>o</sup> 8630

Home Office P. O. Box 31      Russell, Kansas 67665

NEW

Date	12-4-89	Sec.	28	Twp.	11	Range	15	Called Out	7:30 P.M.	On Location		Job Start		Finish	12:00 AM
Lease	Krup B	Well No.	1	Location	Gorham 1E 11N 15E 2W			County	Russell	State	Kansas				

Contractor		Emphasis	
Type Job		Plug	
Hole Size	7 7/8	T.D.	3310
Csg.		Depth	
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.			

Owner SAME

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 W. O. FARMER  
 Street Box 352  
 City Russell State Kansas

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X Jack D Fox

**CEMENT**

Amount Ordered 205 60/40 6% Gel 3% CC

Consisting of		
Common	<u>123 @ 5.00</u>	<u>615.00</u>
Poz. Mix	<u>82 @ 2.25</u>	<u>184.50</u>
Gel.	<u>10 @ 6.75</u>	<u>67.50</u>
Chloride	<u>5 @ 20.00</u>	<u>100.00</u>
Quickset		

**EQUIPMENT**

Pumptrk	No.	Cementor	<u>DAVE</u>
	<u>153</u>	Helper	
Pumptrk	No.	Cementor	
		Helper	
		Driver	
Bulktrk	<u>22</u>		<u>STEVE</u>
Bulktrk		Driver	

Sales Tax		
Handling	<u>@ 90¢</u>	<u>184.50</u>
Mileage	<u>3¢/sk/mile</u>	<u>129.15</u>
Sub Total		
Total		<u>1280.65</u>

**DEPTH of Job**

Reference:	<u>Pump trk</u>	<u>360.00</u>
	<u>1.00 PER MILE</u>	<u>21.00</u>
	<u>Plug</u>	<u>20.00</u>
	Sub Total	
	Tax	
	Total	<u>401.00</u>

Floating Equipment

Remarks:  
25 in 90¢ @ 3271  
25 @ 925  
90 @ 500  
40 @ 250  
10 @ 40' w/Plug 15 Rat Hole