FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5135
Name: John O. Farmer, Inc.
Address P.O. Box 352

City/State/Zip Russell, KS 67665

Purchaser: Cooperative Refining, LLC

Operator Contact Person: John O. Farmer III
Phone (785) 483-3144

Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Craig Caulk

Designate Type of Completion
____ New Well ____ Re-Entry _X_ Workover

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

If Workover/Re-Entry: old well info. as follows:

Operator: JOHN O. FARMER, INC.
Well Name: COOPER TRUST #1-34
Comp. Date 6/00 Old Total Depth 5605'

____ Deepening XXX Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
_X_ Commingled Docket No. CO 7009
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

8/12/00 ____ 6-26-00 & 8-16-00
Date of START OF WORKOVER Date Reached TD Completion Date of WORKOVER

API NO. 15- 081-21,301-00-01

County Haskell

____ - C - NW - SE Sec. 34 Twp. 30S Rge. 31 _E_ X W

1980 Feet from (S)N (circle one) Line of Section
1980 Feet from (E)W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Cooper Trust Well # 1-34
Field Name: Radio Tower
Producing Formation Chester Lime & Morrow Sand
Elevation: Ground 2829' KB 2840'
Total Depth 5605' PBTD 5480'

Amount of Surface Pipe Set and Cemented at 1800 Feet

Multiple Stage Cementing Collar Used? ____ Yes _X_ No
If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____
feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan OWWO 11-17-00 JK
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 1,500 bbls
Dewatering method used allow to dry by evaporation

Location of fluid disposal if hauled offsite:

Operator Name NA

Lease Name NOV 16 2000 No.

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County ____ Docket No. ____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 atached 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 11-15-00
Subscribed and sworn to before me this 15th day of November, 20 00.

Notary Public Margaret A. Schulte
Margaret A. Schulte
Date Commission Expires NOTARY PUBLIC - State of Kansas

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) LOG

Form ACO-1 (7-91)

SIDE TWO

Operator Name John O. Farmer, Inc. Lease Name Cooper Trust Well # 1-34

Sec. 34 Twp. 30S Rge. 31 ☐ East ☒ West County Haskell

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
Heebner Shale	4206'	(-1366)
Lansing	4744'	(-1904)
Marmaton	4908'	(-2068)
Upper Cherokee Shale	5060'	(-2220)
Atoka Shale	5290'	(-2450)
Morrow Shale	5332'	(-2492)
Morrow Pay Sand	5413'	(-2573)
Mississippi Chester	5451'	(-2611)
Chester Sand	5509'	(-2669)
St. Gen.	5546'	(-2706)
L.T.D.	5605'	(-2765)

CASING RECORD 5-1/2" ☒ New ☒ Used 8-5/8"

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"	24#	1800'	Common	150	3% CC
					Lite	525	3% CC, 1/4# Floseal
Production	7-7/8"	5-1/2"	15.5#	5572'	ASC	100	5# Gilsonite/sack
					50/50 Pozmix	50	2% Gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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	5460-72' OLD PERFS	750 gals. 15% MCA + 2500 gals. 20% SGA	5460-72'
4 SPF	5368-75' and 5378-81' NEW PERFS	750 gals. 7-1/2% MCA + 2000 gals. 10% NE-FE	5368-81 (OA)

TUBING RECORD Size 2-3/8" Set At 5433' Packer At Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. (Commingled production began August 17, 2000)

Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	100	159	0		30°

Disposition of Gas:

☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled

☐ Other (Specify) _____

Production Interval

5460-72'

5368-81' (OA)