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CONFIDENTIAL

SIDE ONE

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

KCC

NOV 16 2000

CONFIDENTIAL

API NO. 15- 081-21,247-00-00
County Haskell
C - SE - NE Sec. 33 Twp. 30S Rge. 31 E X W

Operator: License # 5135
Name: John O. Farmer, Inc.
Address P.O. Box 352
City/State/Zip Russell, KS 67665
Purchaser: K N Processing, Inc.

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

Contractor: Name: Abercrombie RTO, Inc.
License: 30684
Wellsite Geologist: Craig Caulk

Designate Type of Completion
X New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
X Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc.)
If Workover/Re-Entry: old well info. as follows:

Operator:
Well Name:
Comp. Date Old Total Depth

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

8-30-99 9-8-99 9-23-99
Date Date Reached TD Completion Date

KANSAS CORPORATION COMMISSION

1980 Feet from S/N (circle one) Line of Section
660 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 Patterson Well # 1-33
Field Name
Producing Formation Morrow Sand

Elevation: Ground 2839' KB 2844'
Total Depth 5597' PBTD 5526'

Amount of Surface Pipe Set and Cemented at 1764 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 AH-1, 2-21-00 UIC
(Data must be collected from the Reserve Pit)

Chloride content 8,500 ppm Fluid volume 1,250 bbls
Dewatering method used allow to dry by evaporation

Location of fluid disposal if hauled offsite:

Operator Name NA PLUGGED

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County FROM CUTS CONFIDENTIAL 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 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.

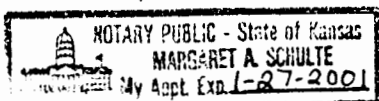
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature *John O. Farmer III*
John O. Farmer III
Title President Date 11-12-99
Subscribed and sworn to before me this 12th day of November, 1999.

Notary Public *Margaret A. Schulte*
Margaret A. Schulte
Date Commission Expires

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

Form ACO-1 (7-91)



61956

86231

Operator Name John O. Farmer, Inc. Lease Name Patterson Well # 1-33

Sec. 33 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 ☒ 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
BHC Sonic Log
Sonic Cement Bond Log

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Heebner Shale	4203'	(-1359)
Lansing "K"	4756'	(-1912)
Marmaton	4901'	(-2057)
Upper Cherokee Shale	5049'	(-2205)
Atoka Shale	5281'	(-2437)
Morrow Shale	5320'	(-2476)
Miss. Chester	5458'	(-2614)
Chester Sand	5506'	(-2662)
St. Gen.	5519'	(-2675)
L.T.D.	5600'	(-2756)

CASING RECORD

4-1/2" ☒ 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 Class "A"	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1764'	Lite	150 550	3% CC 3% CC, 1/4# Floseal
Production	7-7/8"	4-1/2"	10.5#	5569'	ASC 50/50 Pozmix	100 60	5% KCL, 5% Gilsonite 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 4 SPF	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated 5405-11 (6')	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) 1500 gals. 7-1/2% MCA w/FE Depth 5405-11'

TUBING RECORD		Size 2-3/8"	Set At 5369'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj. October 19, 1999			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil --	Bbls. --	Gas Mcf 500	Water --	Bbls. --	Gas-Oil Ratio --	Gravity --

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify)

5405-11 (6')