16-32-7W

FORM MUST BE TYPED

SIDE ONE

ORIGINAL and COPY

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

Operator: License # 31480

Name: Little River Energy Company

Address P. O. Box 1113

City/State/Zip Drumright, OK 74030

Purchaser: Not yet determined.

Operator Contact Person: Steve Crowder

Phone (918) 352-4444

Contractor: Name: Allen Drilling

License: 5418

Wellsite Geologist: Jeff Zoller

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

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR X 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. ____

7-17-94 Spud Date | 7-25-94 Date Reached TD | 10-6-94 Completion Date

API NO. 15- 077-21282

County Harper

C W/2 E/2 NW/4 Sec. 16 Twp. 32S Rge. 7 W

1320 Feet from (S)N (circle one) Line of Section

1650 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 Zimmerman Well # 1

Field Name Zuercher

Producing Formation Mississippi Chat

Elevation: Ground 1419 KB 1427

Total Depth 4815 PBTD 4766

Amount of Surface Pipe Set and Cemented at 268 Fee

Multiple Stage Cementing Collar Used? ____ Yes X N

If yes, show depth set ____ Fee

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan ALT I 2-14-96 JK
(Data must be collected from the Reserve Pit)

Chloride content 6500 ppm Fluid volume 640 bbls

Dewatering method used hauled fluids to disposal

Location of fluid disposal if hauled offsite:

Operator Name Nicholas Water Service

Lease Name Hostetler SWDW License No. 30952

____ Quarter Sec. 9 Twp. 32 S Rng. 8 E(W)

County Harper 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.

RECEIVED
STATE CORPORATION COMMISSION
NOV 15 1994

Signature R. Steve Crowder

DEC 08 1994
CONSERVATION DIVISION
WICHITA, KANSAS

Title President Date 11-14-94

Subscribed and sworn to before me this 14th day of November, 19 94.

Notary Public Catherine A. Towell

Date Commission Expires 1-14-96

K.C.C. OFFICE USE ONLY
F ____ Letter of Confidentiality Attached
C ____ Wireline Log Received
✓ Geologist Report Received

Distribution
✓ KCC ____ SWD/Rep ____ NGPA
____ KGS ____ Plug ____ Other (Specify)

Form ACO-1 (7-91)

SIDE TWO

Operator Name Little River Energy Company Lease Name Zimmerman Well # 1

Sec. 16 Twp. 32S Rge. 7W ☐ East ☒ West County Harper

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:

Dual Induction
Density Neutron

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

Name	Top	Datum
Heebner	3267'	3284'
Lansing	3840'	3856'
Swope	3971'	4002'
Mississippi	4390'	4604'
Viola	4716'	4736'
Simpson	4736'	4800'

DST Information sheets are attached.

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 casing	12.25	8.625	20	268	Standard	160	2% gel 3% cacl
					(topped off w/ 100 sacks of premium thru 1" tubing.		
Production	7.875	5.5	15.5	4809	50/50 poz	215	8# gilsonite 10% salt ¼# flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: X Squeeze ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone

Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
4749	4750	Standard	50	No additives

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
Sand jet	4739-4740 (Simpson)	No stimulation	
4 HPF	4749-4750	Squeeze (50 sacks cement)	
	CIBP @ 4680		
2 HPF	4395-4400 (Mississippi)	No stimulation	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.375	4357	4357	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.: Not yet producing

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	None	100	None	N.A.	N.A.

Disposition of Gas: It will eventually be sold.
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

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

Production Interval: 4395-4400