

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

API NO. 15- 07721282 0001 ORIGINAL

County Harper

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

1320 Feet from S (circle one) Line of Section

1650 Feet from E (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 Miss. Chat & Swope

Elevation: Ground 1419 KB # 421

Total Depth 4815 PBTD # 4266

Amount of Surface Pipe Set and Cemented at 268 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 N.A. RERWORK JH 10-7-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 31480

Name: Little River Energy Company

Address P. O. Box 1113

City/State/Zip Drumright, OK 74030

Purchaser: Peoples Natural Gas

Operator Contact Person: Steve Crowder

Phone (918) 352-4444

Contractor: Name: SHAWNEE

License: 30346

Wellsite Geologist: _____

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

X Oil _____ SWD _____ SLOW _____ Temp. Abd.
Gas _____ ENHR _____ SIGW _____
Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Little River Energy Company

Well Name: Zimmerman #1

Comp. Date 10-6-94 Old Total Depth 4815

Deepening XXX Re-perf. _____ Conv. to Inj/SWD
Plug Back _____ PBTD

X Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

12-5-95 12-11-95

Date of START Date reached TO Completion Date of
OF WORKOVER WORKOVER

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 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 R. Steve Crowder

Title President Date 1-22-96

X Subscribed and sworn to before me this 31st day of January, 19 96.

X Notary Public Catherine D. Jewell

X Date Commission Expires 1-14-00

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)

SIDE TWO

Operator Name Little River Energy Company

Lease Name Zimmerman

Well # 1

Sec. 16 Twp. 32S Rge. 7

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 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
Density Neutron

Log Formation (Top), Depth and Datum Sample

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

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 4# flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Squeeze Perforate	4749 4750	Standard	50	No additives
<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		
Sand jet	4739-4740 (Simpson) <i>CIBP @ 4680'</i>	No stimulation			
4 HPF	4749-4750	Squeeze (50 sacks cement)			
2 HPF	4395-4400 (Mississippi Chat)	Acid 500 gal. 15% HCL Frac 5500# sand			
2 HPF	3978-3983 & 4015-4018 (Swope)	Acid 1150 gal. 15% HCL			
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer At			
2.375	4450	N.A.			
Date of First, Resumed Production, SMD or Inj.		Producing Method			
12-12-95		<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
	1	30	32	30,000:1	40

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Miss. Chat & Swope

Vented Sold Used on Lease
(If vented, submit ACD-18.)

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____