# CONFIDENTIAL



## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

## ORIGINAL

September 1999
Form Must Be Typed

CONSERVATION DIVISION WICHITA, KS

## **WELL COMPLETION FORM** WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31503-00-01
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	S2NWSW_Sec. 36Twp. 31S. R. 16V East West
City/State/Zip: Mission Woods, KS 66205	2096 feet from S/ N (circle one) Line of Section
Purchaser:	817 feet from E / ( (circle one) Line of Section
Operator Contact Person: Timothy H. Wright	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	(circle one) NE SE NW SW
Contractor: Name: Thornton Air Rotary	Lease Name: Rau Well #: 12-36
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 916' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1144' Plug Back Total Depth: 1143'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 20 Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1143
•	feet depth to Surface w/ 160 sx cmt.
Operator: SAME AS ABOVE Well Name: AS ABOVE	
Original Comp. Date: 2/26/2008 Original Total Depth: 1144'	Drilling Fluid Management Plan WO NT 7-2764
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Plug Back Total Depth	Dewatering method used N/A - Air Drilled
Commingled Docket No.	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
10/20/2008 Spud Date or Date Reached TD Completion Date or Recompletion Date or Recompletion Date or Date Reached TD Completion Date or Recompletion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, worko Information of side two of this form will be held confidential for a period of	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, ever or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-12) and geologist well report shall be attached with this form. ALL CEMENTING lls. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulaterin are complete and correct to the best of my knowledge.	ulate the oil and gas industry have been fully complied with and the statements
Signature:	KCC Office Use ONLY
Title: Project Engineer Date: 1/27/07	Letter of Confidentiality Attached
29 ' 04244	If Denied, Yes Date:
Subscribed and sworn to before me this day of day of	Wireline Log Received RECEIVED
20 09	Geologist Report Receive ANSAS CORPORATION COMMIS
Notary Public: That faux hum Harlin	MacLAUGHLIN DARLING LION JAN 3 0 2009
Date Commission Expires: 1-43013	Notary Fublic - State of Kansas
Date Commission Expires.	Marian /-4-20/2 Congression /-4-20/2

My Appt. Expires 1-4-201

### Side Two

perator Name: Lay	ne Energy Opera	ating, LLC	Lease	Name: F	Rau		_ Well #: 12-	36		
		✓ East		: Monto		·····				
ested, time tool oper emperature, fluid rec	n and closed, flowing covery, and flow rate	and base of formations p g and shut-in pressures, s if gas to surface test, inal geological well site	, whether sh along with f	nut-in pre	ssure reached	static level, hydro	static pressur	es, bottom	n hole	
Orill Stem Tests Take		☐ Yes 🗸 No		<b></b> ✓L	og Formatio	on (Top), Depth a	and Datum	□s	ample	
(Attach Additional	·			Nam	е		Тор	D	atum	
Samples Sent to Geological Survey  Cores Taken  Electric Log Run  (Submit Copy)		✓ Yes No		Pawnee Lime Excello Shale			580 GL		336	
		✓ Yes No				729 GL	16	187		
	(sa : /2-2			V-Sh	ale		779 GL	1	38	
List All E. Logs Run: Compensated De Dual Induction				Mine	eral Coal		820 GL	9	6	
								······································		
A		CASING Report all strings set-	RECORD -conductor, su	✓ Ne urface, inte		ion, etc.				
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei	ght	Setting Depth	Type of Cement	# Sacjs Used		nd Percent	
Surface	11"	8.625"	24		20'	Class A	4	Type 1 cemer		
Casing	6.75"	4.5"	10.5		1143'	Thick Set	160	50/50 pos	smix w/2% g	
		ADDITIONA	L CEMENTII	NG / SQL	JEEZE RECORD			<u> </u>		
Purpose: Depth Top Bottom Protect Casing		Type of Cernent #Sacks		Used	Type and Percent Additives					
Plug Back TD Plug Off Zone										
Ohata Baa Faat	PERFORATI	ON RECORD - Bridge Plu	ıgs Set/Type		Acid, Frac	cture, Shot, Cemen	ure, Shot, Cement Squeeze Record			
Shots Per Foot		Footage of Each Interval Pe	erforated		(Amount and Kind of Material Used) De				Depth	
	See Attached P	age								
		****						RECE	IVED	
									TIONCOMM	
								JAN 3	0 2009	
							c		ONDIVISIO	
TUBING RECORD 2-3	Size 3/8"	Set At 1117'	Packer A	AT.	Liner Run	Yes 🗸 No	•	WICH	ITA,KS	
Date of First, Resumer	d Production, SWD or E	Enhr. Producing Me		Flowing	g 📝 Pumpii	ng 🔲 Gas Li	ft [] Oth	ner (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er B	bls. (	Gas-Oil Ratio		Gravity	
Disposition of Gas	0 METHOD OF 0	30 COMPLETION			Production Inter	val				
		_	. [7] p	; [						
Vented ✓ Sold (If vented, Sold	Used on Lease ubmit ACO-18.)	Open Hole Other (Spe	·		Dually Comp.	Commingled				

<b>Operator Name</b>	e: Layne Energy Operating, LLC.				
Lease Name	e: Rau 12-36				
	Sec. 36 Twp. 31S Rng. 16E, Montgomery County				
AP	1: 15-125-31503-00-01				
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth		
•		ons (February 2008)			
4 Riverton 1128.5		1500 lbs 20/40 sand			
	Riverton 1128.5' - 1130.5'	166 bbls water	1128.5' - 1130.5		
		600 gals 15% HCl acid			
	Recompletion Per	forations (October 2008)			
4 Rowe 1074' - 1076'		1000 lbs 20/40 sand			
	Rowe 1074' - 1076'	288 bbls water	1074' - 1076'		
		800 gals 15% HCl acid			
4 B		2400 lbs 20/40 sand	955.5' - 957'		
	Bluejacket 955.5' - 957'	149 bbls water			
		550 gals 15% HCl acid			
4	Mineral 820' - 821.5'	7900 lbs 20/40 sand			
	Croweburg 779' - 782'	638 bbls water	761' - 821.5'		
	Iron Post 761' - 762.5'	720 gals 15% HCl acid			
4	Mulky 730' - 734' Summit 703.5' - 705'	6600 lbs 20/40 sand			
		244 bbls water	703.5' - 734'		
	Summit 703.3 - 703	480 gals 15% HCl acid			



RECEIVED KANSAS CORPORATION COMMISSION

JAN 3 0 2009

CONSERVATION DIVISION WICHITA, KS