

## KANSAS CORPORATION COMMISSION ON COMPILETION FORM **WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

OPERATOR: License # 33365	API No. 15
Name:Layne Energy Operating, LLC	Spot Description:
Address 1: P O Box 160	
Address 2:	
City: Sycamore State: KS Zip: 67363	_+ Feet from East / 🗹 West Line of Section
Contact Person: Mike Murphy	
Phone: ( 620 ) 627-2499	NE ZNW DSE DSW
CONTRACTOR: License # 33606	Chautaugua
Name: Thornton Air Rotary	
Wellsite Geologist: N/A	
Purchaser:	Observation Constru
Designate Type of Completion:	Elevation: Ground: 862' Kelly Bushing: 0
✓ New Well ☐ Re-Entry ☐ Workove	
	SIOW Amount of Surface Pipe Set and Cemented at: 44 Feet
	SIGW Multiple Stage Cementing Collar Used?
	Temp. Abd. If yes, show depth set: Feet
✓, CM (Coal Bed Methane)	1557
Cathodic Other (Core, Expl., etc.):	feet depth to: Surface w/ 165 sx cmt.
if Workover/Re-entry: Old Well Info as follows:	sx cmt.
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR	Chloride content: N/A ppm Fluid volume: bbls
Conv. to GSW	D. II. Location of fluid disposal if having affects.
Plug Back: Plug Back Total Commingled Permit #:	
Dual Completion Permit #:	Operator Name.
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	QuarterSecTwpS. R East West
GSW Permit #:	PECEN IN
2/25/2009 3/4/2009 9/27/201	
Spud Date or Date Reached TD Completion Recompletion Date Recompletion Date	
Kansas 67202, within 120 days of the spud date, recompletion of side two of this form will be held confidential for a period o	chall be filed with the Kansas Corporation Commission, 130 S. Market - Rose 174 MG Lall 70, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information f 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidenand geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST ubmit CP-111 form with all temporarily abandoned wells.
AFFIDAVIT	KCC Office Use ONLY
I am the affiant and I hereby certify that all requirements of the stations promulgated to regulate the oil and gas industry have be	een fully complied with Letter of Confidentiality Received
and the statements herein are complete and correct to the bes	tof my knowledge.  Confidential Release Date:
mimilamins	Wireline Log Received
Signature:	Geologist Report Received
Title: Engineer 6are: 1/31/2	O12 UIC Distribution ALT [] [ ] III Approved by:

## Side Two

Operator Name: Layne Energy Operating, LLC			Lease N	łame: 🔃	Taylor		Well #: <u>4-15</u>			
Sec. 15 _ Twp.32S. R. 13				y: Chautauqua					<del></del>	
INSTRUCTIONS: Show time tool open and close recovery, and flow rates in the Logs surveyed. Atta	d, flowing and shut- f gas to surface tes	in pressures, whether st., along with final charte	shut-in press	ure reac	hed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid	
Drill Stem Tests Taken ☐ Yes ✓ No (Attach Additional Sheets)				Log Formation (Top), Dep			pth and Datum [		Sample	
Samples Sent to Geological Survey ☐ Yes ☑ No			Name			Тор		Datum		
Electric Log Run		✓ Yes   ☐ No								
List All E. Logs Run: Compensated De Dual Induction - S	-	•								
<del> </del>			RECORD	Ne						
Purpose of String	Report all string Size Hole Size Casing Drilled Set (In O.D.)		conductor, sur Weig Lbs./			Type of Cement	# Sacks Used	Type and Percent Additives		
		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	-				
-										
				· ]						
· <del>J</del>	· ——	ADDITIONA	L CEMENTIN	ig/squ	EEZE RECORD					
Purpose: Perforate Protect Casing Plug Back TD	Perforate Top Bottom Type of Cernent Protect Casing Plug Back TD		# Sacks	# Sacks Used		Type and	Type and Percent Additives			
. 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					
2 R	Rowe				2,400 lbs sand, 300 gallons 15% HCL, 228 bbls water 1484 to 1485.51					
2 N	Mineral				2,400 lbs sand, 300 gallons 15% HCL, 201 bbls water 1288 to 1289.5					
2 V	V-Shale/Croweburg				3,000 lbs sand, 300 gallons 15% HCL, 235 bbls water 1244 to 1246.5					
2 E	Excello Shale				4,800 lbs sand, 300 gallons 15% HCL, 250 bbis RECE 195					
TUBING RECORD:	Size:	Set At: 1516'	Packer At:	:	Liner Run:	Yes 📝 N	0		0-2-2012-	
Date of First, Resumed Pro	· · · · · · · · · · · · · · · · · · ·		hod:  Pumping	· []		ther (Explain)	К	CC V	VICHITA	
Estimated Production Per 24 Hours	Oil B	bls. Gas 25	Mcf	Wate	r Bb	ols.	Gas-Oil Ratio		Gravity	
DISPOSITION	TION OF GAS: METHOD OF COMPLE				ETION: PRODUCTION INTERVAL:					
Vented Z Sold	Used on Lease	Open Hole	Perf.	Dually (Submit A	1	mingled _1	1192' to 1485.5			