KANSAS CORPORATION COMMISSION RIGINAL OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1 September 1999 Form Must Be Typed

Operator: License # 33365	API No. 15 - 125-31329-00-00 Amended
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	679 feet from S / N (circle one) Line of Section
Purchaser:	351
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: Mills Trust Well #: 4-31
License: 33606	Cherokee Basin Coal Area
Wellsite Geologist:	Charakaa Caals
Designate Type of Completion:	Elevation: Ground: 835' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1228' Plug Back Total Depth: 1224'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 20 Feet
✓ GasENHRSIGW CONFIDENTIA	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
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 1224
Operator:	feet depth to Surface w/ 130 sx cmt.
Well Name:	
Original Comp. Date:Original Total Depth:	Drilling Fluid Management Plan (Data_must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Plug BackPlug Back Total Depth	Dewatering method used N/A - Air Drilled
Commingled Docket No.	
Dual Completion Docket No.	
Other (SWD or Enhr.?) Docket No	Operator Name:
4/19/2007 4/20/2007 11/12/2007	Lease Name: License No.:
Spud Date or Recompletion Date Date Reached TD Recompletion Date Recompletion Date	- Quarter Sec. Twp. S. R. East West County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, work Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline to TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged we	with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, cover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. of 12 months if requested in writing and submitted with the form (see rule 82-3-ogs and geologist well report shall be attached with this form. ALL CEMENTING ells. Submit CP-111 form with all temporarily abandoned wells.
herein are complete and correct to the best of my knowledge.	
Signature: Will Half	KCC Office Use ONLY
Title: Manager of Engineering Date: 6/26/0	Letter of Confidentiality Attached
Subscribed and sworn to before me this He day of June	If Denied, Yes Date:
2009.	Wireline Log Received RECEIVED
Notary Public: Mac Laughlen Larling	MacLAUGHLIN DARLING t Report Received Notary Public - State of Kansas My Appt. Expires 1-4-30/3 My Appt. Expires 1-4-30/3
Date Commission Expires: 1-4-2013	KCC WICHITA

Operator Name: Layı								Well #: _4-3	1
INSTRUCTIONS: Sh tested, time tool open temperature, fluid received Electric Wireline Logs	ow important tops a and closed, flowing overy, and flow rate	and base of and shut- s if gas to	f formations p in pressures, surface test, a	enetrated. whether shalong with f	nut-in pre	l cores. Repo	d static level, hydr	ostatic pressure	es, bottom hole
Drill Stem Tests Taker		Ye	s √ No		⊘ Lo	og Forma	tion (Top), Depth	and Datum	Sample
(Attach Additional S	·		[7] . .		Nam	e		Тор	Datum
Samples Sent to Geological Survey Yes Yes No Yes No					Pawnee Lime			583 GL	252
Electric Log Run		✓ Ye	nam.		Exce	ello Shale		736 GL	99
(Submit Copy)					V Sh			886 GL	-51
List All E. Logs Run:						eral Coal		827 GL	8
Compensated De Dual Induction	ensity Neutron					sissippian		1133 GL	-298
		Repor	CASING t all strings set-	RECORD	✓ Ne urface, inte		uction, etc.		
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"		24		20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"		10.5		1224'	Thick Set	130	10# KOL seal @ sx
		<u> </u>	ADDITIONAL	CEMENTI	NG / SOL	JEEZE RECOI	30		
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Sacks				Percent Additives	5
7103									
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					
	See Attached P	age							
		-0	NFIDE	NTIAL	-				RECEIVED
									JUN 3 0 2009
TUBING RECORD 2-3	Size 3/8"	Set At 1021'		Packer	At	Liner Run	Yes 🗸 N		CC WICHITA
Date of First, Resumere	d Production, SWD or	Enhr.	Producing Me	thod	Flowin	g Pun	nping 🔲 Gas l	.ift 🔲 Oth	ner (Explain)
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 40	Mcf	Wat 0	er	Bbls.	Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF	COMPLETIC	L	L		Production In	iterval		
Uented ✓ Sold	Used on Lease		Open Hole	· ·	f. 🗍	Dually Comp.	Commingled		

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Mills Trust 4-31		
	Sec. 31 Twp. 31S Rng. 16E, Montgomery County		
API:	15-125-31329-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Initial Pe	erforations	
4 1	Weir 902.5' - 904.5' Upper Weir 896.5' - 897.5'	6100 lbs 20/40 sand	
		527 bbls water	896.5' - 904.5'
		400 gals 15% HCl acid	
4	Mineral 826.5' - 828' V-Shale 787' - 789.5'	6551 lbs 20/40 sand	
		521 bbls water	787' - 828'
		400 gals 15% HCl acid	
4	Mulky 738' - 742' Summit 710.5' - 712'	9384 lbs 20/40 sand	
		554 bbls water	710.5' - 742'
	Summit / 10.5 - / 12	400 gals 15% HCl acid	

CONFIDENTIAL

RECEIVED
JUN 3 0 2009
KCC WICHITA