Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1 September 1999 MENDEL MENDEL

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-30691-00-01 Corrected CIBP Recompletion
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	330 feet from S / N (circle one) Line of Section
Purchaser: Operator Contact Person: Timothy H. Wrighs corporation commission KANS CORPORATION COMMISSION Phone: (913) 748-3960 SEP 16 2010	feet from © / W (circle one) Line of Section
Timothy H Wright CORPORATION	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960 SEP 1 6 2010	(circle one) NE SE NW SW
Contractor: Name: McPherson Drilling	Lease Name: Linn Well #: 16-16
License: 5675 CONSERVATION, KS	Field Name: Brewster
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 870' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1250' Plug Back Total Depth: 1244'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 20 Feet
Gas SIGW	
Dry Other (Core, WSW, Expl., Cathodic, etc)	Multiple Stage Cementing Collar Used? Yes No If yes, show depth set
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1252
Operator:	feet depth to Surface w/ 130 sx cmt.
Well Name:	sx cmt.
Original Comp. Date: 4/12/2005 Original Total Depth: 1250'	Drilling Fluid Management Plan
Deepening Re-perf. Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)
✓ Plug Back CIBP 1130' Plug Back Total Depth	Chloride content_n/a ppm Fluid volume bbls
	Dewatering method used_n/a air drilled
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name:
Other (SWD or Enhr.?) Docket No	Lease Name: License No.:
11/8/2005 11/8/2005	
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec Twp. S. R East West
	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover information of side two of this form will be held confidential for a period of 12 to 107 for confidentiality in excess of 12 months). One copy of all wireline logs an TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply months if requested in writing and submitted with the form (see rule 82-3-14 geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulate nerein are complete and correct to the best of my knowledge.	the oil and gas industry have been fully complied with and the statements
Signature:	KCC Office Use ONLY
Project Engineer Date: 7-6-0	
/ / / / /	Letter of Confidentiality Attached
Subscribed and sworn to before me this	If Denied, Yes Date:
0001. A 1	Wireline Log Received
Notary Public: MacJawalen Large MacLaud	**************************************
4/2 24/2	Nic-State of Kanass UIC Distribution
Date Commission Expires: 19015 My Appl. E	April 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Operator Name: Layne Energy Operating, LLC					se Name:	Linn	Well #: 16-16				
Sec. 16 Twp	32 s. R. 16	. ✓ Ea									
tested, time tool ope temperature, fluid re	show important tops and closed, flowing and closed, flow rate gs surveyed. Attach	g and shu s if gas to	ut-in pressures, o surface test, a	whether along with	shut-in pr	essure reached	static level, hydr	ostatic pressu	res, botto	m hole	
Drill Stem Tests Taken ☐ Yes ✓ No (Attach Additional Sheets)					√ L	.og Forma	tion (Top), Depth	and Datum	Sample		
			Yes ✓ No		Nam	ne		Тор	1	Datum	
Samples Sent to Ge Cores Taken	. –	res vino Yes vino	Pa		nee Lime		574	2	276		
Electric Log Run (Submit Copy)	•		Yes No		Exc	ello Shale		731.5	1	119	
List All E. Logs Run:					V SI	nale		782	e	88	
Compensated Density Neutron Dual Induction					Mineral Coal			817 · 33			
					Mis	sissippian		1149	1149 -299		
		Rep	CASING ort all strings set-c	RECORD			ction, etc.				
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)			eight s. / Ft.	Setting Depth	Type of Cement			Type and Percent Additives	
Surface	11"	8.625"		24		20'	Class A	4	Type 1 Cement		
Production	6-3/4"	4.5"		10.5		1252'	Thick Set	130			
			ADDITIONAL	. CEMENT	ING / SQL	JEEZE RECOR	<u> </u> D				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Тур	Type of Cement #Sa				Type and Percent Additives				
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated See Attached Page				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth						
						RECEIVED KANSAS CORPORATION COMMISS					
	CIBP 1130'							SE	P 16	2010	
					CONSERVATION DIVISION WICHITALKS						
TUBING RECORD	Size						Liner Run				
·	3/8"	1099'	Dead-rain- \$4-4-				Yes ✓ No	· · · · · · · · · · · · · · · · · · ·			
11/12/2005	d Production, SWD or Er	nnr.	Producing Meth	100	Flowing	g ✓ Pump	ing Gas Li	ft Oth	er (Explain))	
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 2	Mcf	Wate	er E	Bbis. (Gas-Oil Ratio		Gravity	
Disposition of Gas	METHOD OF C	OMPLETI	ON			Production Inte	rval				
Vented ✓ Sold (If vented, S	Used on Lease umit ACO-18.)		Open Hole	√ Per	rf. C	Dually Comp.	✓ Commingled _				

Operator Name: Layne Energy Operating, LLC.

Lease Name: Linn 16-16

Sec. 16 Twp. 32S Rng. 16E, Montgomery County

API:

15-125-30691-00-01

 Shots per Foot
 Perforation Record
 Acid, Fracture, Shot, Cement Squeeze Record
 Depth

 0riginal Perforations (April 2005)
 4
 1136-1138, 1081.5-1082.5, 816.5-818
 Riverton, Rowe, Mineral - 1,000gal 15% HCL + 816.5-1138
 816.5-1138

 4
 782-784.5, 755.5-756.5, 730-735, 702.5-706
 Croweberg, Ironpost, Mulky, Summit - 2,015gal 15%
 702.5-784.5

 HCL + 535bbls water + 3,831# 20/40 Sand
 HCL + 535bbls water + 3,831# 20/40 Sand
 702.5-784.5

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SEP 1 6 2010

Conservation division Wighita, k8