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Operator Name: Layne Energy Operating, LLC Lease Name: Jones Well #: 12-7  
 Sec. 7 Twp. 33 S. R. 16  East  West County: Montgomery

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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: (orig. logs)  
 Compensated Density Neutron  
 Dual Induction

Name	Top	Datum
Pawnee Lime	643 GL	213
Excello Shale	808 GL	48
V Shale	857 GL	-1
Mineral Coal	899 GL	-43
Mississippian	1240 GL	-384

*Handwritten notes:*  
 KA  
 2/05/09

**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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	20	22'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1308'	Thick Set	135	

**ADDITIONAL CEMENTING / SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <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
	See Attached Page		

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**TUBING RECORD** Size 2-3/8" Set At 1256' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Enhr. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours Oil Bbls. \_\_\_\_\_ Gas Mcf \_\_\_\_\_ Water Bbls. \_\_\_\_\_ Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas \_\_\_\_\_ **METHOD OF COMPLETION** \_\_\_\_\_ Production Interval \_\_\_\_\_  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Submit ACO-18.)  Other (Specify) \_\_\_\_\_

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Jones 12-7		
	Sec. 7 Twp. 33S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31306-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations</b>			
4	Rowe 1163.5' - 1165.5' Weir 969' - 971.5'	5346 lbs 20/40 sand 431 bbls water 600 gals 15% HCl acid	969' - 1165.5'
4	Mineral 898' - 901' Croweburg 857' - 861'	7286 lbs 20/40 sand 579 bbls water 500 gals 15% HCl acid	857' - 901'
4	Mulky 808.5' - 811' Summit 778' - 780'	8385 lbs 20/40 sand 580 bbls water 600 gals 15% HCl acid	778' - 811'

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