



**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** Applebaugh 1-8  
 Sec. 8 Twp. 34S Rng. 16E, Montgomery County  
**API:** 15-125-31003-00-01

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
<b>Initial Perforations (6/2006)</b>			
4	Riverton 1235' - 1238'	116 bbls water 250 gals 15% HCl acid 1 lb Biocide 5 gals Clay Treat TS 4 gals Clay Treat PP 22.5 gals CS-2	1235' - 1238'
<b>Recompletion Perforations ( 4/2007)</b>			
4	Weir 958' - 960.5' Mineral 884' - 885.5'	4400 lbs 20/40 sand 363 bbls water 550 gals 15% HCl acid	884' - 960.5'
4	Croweburg 833.5' - 838.5' Bevier 817' - 823.5' Ironpost 805' - 808' Mulky 779' - 783' Summit 745.5' - 749'	10800 lbs 20/40 sand 915 bbls water 1050 gals 15% HCl acid	745.5' - 838.5'

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 KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION  
 WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Applebaugh Well #: 1-8  
 Sec. 8 Twp. 34 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>592 GL</td> <td>301</td> </tr> <tr> <td>Excello Shale</td> <td>780 GL</td> <td>113</td> </tr> <tr> <td>V Shale</td> <td>834 GL</td> <td>59</td> </tr> <tr> <td>Mineral Coal</td> <td>884 GL</td> <td>9</td> </tr> <tr> <td>Mississippian</td> <td>1251 GL</td> <td>-358</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	592 GL	301	Excello Shale	780 GL	113	V Shale	834 GL	59	Mineral Coal	884 GL	9	Mississippian	1251 GL	-358
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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"	24	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1350'	Thick Set	140	10# KOL seal @ sx

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				AUG 24 2007 CONFIDENTIAL

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		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	1259'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
5/24/2007		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	2	29	

Disposition of Gas	METHOD OF COMPLETION	Production Interval	RECEIVED
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)		KANSAS CORPORATION COMMISSION
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