



Operator Name: Layne Energy Operating, LLC Lease Name: Big Hill Farms Well #: 11-29  
 Sec. 29 Twp. 31 S. R. 17  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>427 GL</td> <td>382</td> </tr> <tr> <td>Excello Shale</td> <td>578 GL</td> <td>232</td> </tr> <tr> <td>V Shale</td> <td>632 GL</td> <td>177</td> </tr> <tr> <td>Mineral Coal</td> <td>675 GL</td> <td>135</td> </tr> <tr> <td>Mississippian</td> <td>985 GL</td> <td>-176</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	427 GL	382	Excello Shale	578 GL	232	V Shale	632 GL	177	Mineral Coal	675 GL	135	Mississippian	985 GL	-176
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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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5	10.5	1055'	Thick Set	110	10# KOB 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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	See Attached Page		

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TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>977'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>8/10/2007</u>		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>15</u>	Water Bbls. <u>34</u>	Gas-Oil Ratio Gravity

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other *(Specify)*

Production Interval \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Big Hill Farms 11-29		
	Sec. 29 Twp. 31S Rng. 17E, Montgomery County		
<b>API:</b>	15-125-31325-00-00		
<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	Neutral 925' - 926' Rowe 916.5' - 918'	4600 lbs 20/40 sand 351 bbls water 750 gals 15% HCl acid	916.5' - 926'
4	Bluejacket 815' - 816.5' Weir 798' - 799.5'	5000 lbs 20/40 sand 418 bbls water 650 gals 15% HCl acid	798' - 816.5'
4	Mineral 674' - 675.5' Croweburg 632' - 635' Bevier 609' - 611'	5200 lbs 20/40 sand 586 bbls water 750 gals 15% HCl acid	609' - 675.5'
4	Mulky 577.5' - 583' Summit 550' - 556'	7500 lbs 20/40 sand 705 bbls water 1070 gals 15% HCl acid	550' - 583'

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