



Operator Name: Layne Energy Operating, LLC Lease Name: Heins Well #: 7-24  
 Sec. 24 Twp. 32 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 checked="" type="checkbox"/> Yes <input 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>523 GL</td> <td>321</td> </tr> <tr> <td>Excello Shale</td> <td>678 GL</td> <td>166</td> </tr> <tr> <td>V Shale</td> <td>731 GL</td> <td>113</td> </tr> <tr> <td>Riverton</td> <td>1063 GL</td> <td>-219</td> </tr> <tr> <td>Mississippian</td> <td>1076 GL</td> <td>-232</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	523 GL	321	Excello Shale	678 GL	166	V Shale	731 GL	113	Riverton	1063 GL	-219	Mississippian	1076 GL	-232
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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 1/4	8.65	23	46	Class A	25	cacl2 3%
Casing	7 7/8	5.5	15.5	1161	Thixotropic + Gilsonite	150	

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		

TUBING RECORD		Size <u>2 7/8</u>	Set At <u>890</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>02/18/2005</u>		Producing Method <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. <u>0</u>	Gas Mcf <u>1.2</u>	Water Bbls. <u>128.728</u>	Gas-Oil Ratio	Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-1B.)</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) _____	

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 WICHITA, KS

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Heins 7-24		
	Sec. 24 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-30286-00-01		
	Initial Performations		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	855-859	Weir - 256g 15% HCL+306B Water+2479# 16/30 Sand	855-859
	Recompletion Perfomations		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1063-1065, 887-888.5,840-843	Riverton, Bluejacket, Tebo - 1,900gal 15% HCL+ 485bbbs Water+ 3,780# 20/40 sand	840-1065
4	774-775, 744-745.5, 733-734.5, 709-710.5	Mineral, Flemming, Croweberg, Iron Post - 1,000gal 15% HCL+ 372bbbs Water+ 4,147# 20/40 sand	709-775
4	680-684, 652-654.5, 550-552 & 556-558	Mulky, Summit, Lexington - 1,850gal 15% HCL+ 496bbbs Water+ 4,567# 20/40 sand	550-684

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