

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

8/16/09

**AMENDED**

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Timothy H. Wright  
Phone: ( 913 ) 748-3960  
Contractor: Name: Thornton Air Rotary  
License: 33606

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion:  
\_\_\_\_ New Well \_\_\_\_ Re-Entry \_\_\_\_ Workover  
\_\_\_\_ Oil \_\_\_\_ SWD \_\_\_\_ SLOW \_\_\_\_ Temp. Abd.  
 Gas \_\_\_\_ ENHR  SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_ Deepening \_\_\_\_ Re-perf. \_\_\_\_ Conv. to Enhr./SWD  
\_\_\_\_ Plug Back \_\_\_\_ Plug Back Total Depth  
\_\_\_\_ Commingled Docket No. \_\_\_\_\_  
\_\_\_\_ Dual Completion Docket No. \_\_\_\_\_  
\_\_\_\_ Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

<u>4/19/2007</u>	<u>4/20/2007</u>	<u>11/12/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31329-00-00  
County: Montgomery  
\_\_\_\_ - \_\_\_\_ - NW - NW Sec. 31 Twp. 31 S. R. 16  East  West  
679 feet from S /  (circle one) Line of Section  
351 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Mills Trust Well #: 4-31

Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals

Elevation: Ground: 835' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1228' Plug Back Total Depth: 1224'  
Amount of Surface Pipe Set and Cemented at 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1224  
feet depth to Surface w/ 130 sx cmt.

Drilling Fluid Management Plan AK # NS 216 09  
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used N/A - Air Drilled

Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
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 Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: \_\_\_\_\_  
Title: Agent Date: 2/28/2008  
Subscribed and sworn to before me this 28 day of February,  
2008  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2009

**MacLAUGHLIN DARLING**  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2009

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**FEB 29 2008**  
CONSERVATION DIVISION  
WICHITA, KS

Geologist Report Received \_\_\_\_\_  
Distribution \_\_\_\_\_

Operator Name: Layne Energy Operating, LLC Lease Name: Mills Trust Well #: 4-31  
 Sec. 31 Twp. 31 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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <i>(Submit Copy)</i></p> <p>List All E. Logs Run:</p> <p>Compensated Density Neutron</p> <p>Dual Induction</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Name</th> <th style="width: 20%;">Top</th> <th style="width: 20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee Lime</td> <td>583 GL</td> <td>252</td> </tr> <tr> <td>Excello Shale</td> <td>736 GL</td> <td>99</td> </tr> <tr> <td>V Shale</td> <td>886 GL</td> <td>-51</td> </tr> <tr> <td>Mineral Coal</td> <td>827 GL</td> <td>8</td> </tr> <tr> <td>Mississippian</td> <td>1133 GL</td> <td>-298</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	583 GL	252	Excello Shale	736 GL	99	V Shale	886 GL	-51	Mineral Coal	827 GL	8	Mississippian	1133 GL	-298
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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	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1224'	Thick Set	130	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				

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		

TUBING RECORD Size <u>2-3/8"</u> Set At <u>1021'</u> Packer At _____ Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of First, Resumerd Production, SWD or Enhr. <u>SI - waiting on pipeline</u>
Producing Method <input type="checkbox"/> Flowing <input 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 _____	<b>RECEIVED</b> KANSAS CORPORATION COMMISSION

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

**METHOD OF COMPLETION** **Production Interval**  
**FEB 29 2008**  
**CONSERVATION DIVISION WICHITA, KS**

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Mills Trust 4-31		
	Sec. 31 Twp. 31S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31329-00-00		
<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	Weir 902.5' - 904.5' Upper Weir 896.5' - 897.5'	6100 lbs 20/40 sand 527 bbls water 400 gals 15% HCl acid	896.5' - 904.5'
4	Mineral 826.5' - 828' V-Shale 787' - 789.5'	6551 lbs 20/40 sand 521 bbls water 400 gals 15% HCl acid	787' - 828'
4	Mulky 738' - 742' Summit 710.5' - 712'	9384 lbs 20/40 sand 554 bbls water 400 gals 15% HCl acid	710.5' - 742'

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