

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

2/23/11

Form ACO-1  
September 1999  
Form Must Be Typed

**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

**CONFIDENTIAL**

FEB 23 2009

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

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

Operator: \_\_\_\_\_  
Well Name: SAME AS ABOVE

*2/23/09*

Original Comp. Date: 5/9/2007 Original Total Depth: 1187'  
 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. \_\_\_\_\_

11/4/2008 11/5/2008  
Spud Date or Date Reached TD Completion Date  
Recompletion Date Recompletion Date

API No. 15 - 125-31049-00-01  
County: Montgomery  
\_\_\_\_ - \_\_\_\_ - NW - NW Sec. 8 Twp. 32 S. R. 16  East  West  
747 feet from S /  (circle one) Line of Section  
655 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW

Lease Name: Oakhurst Farms Well #: 4-8  
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals  
Elevation: Ground: 764' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1187' Plug Back Total Depth: 1182'  
Amount of Surface Pipe Set and Cemented at 21 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1182  
feet depth to Surface w/ 120 \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan WONJ 7-1309  
(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: Project Engineer Date: 2/22/09  
Subscribed and sworn to before me this 22 day of February,  
20 09.  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2013

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
\_\_\_\_ Wireline Log Received  
\_\_\_\_ Geologist Report Received  
RECEIVED  
KANSAS CORPORATION COMMISSION  
FEB 24 2009  
MacLAUGHLIN DARLING  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2013

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Oakhurst Farms Well #: 4-8  
 Sec. 8 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 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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>521 GL</td> <td>243</td> </tr> <tr> <td>Excello Shale</td> <td>676 GL</td> <td>88</td> </tr> <tr> <td>V-Shale</td> <td>725 GL</td> <td>39</td> </tr> <tr> <td>Mineral Coal</td> <td>765 GL</td> <td>-1</td> </tr> <tr> <td>Mississippian</td> <td>1085 GL</td> <td>-321</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	521 GL	243	Excello Shale	676 GL	88	V-Shale	725 GL	39	Mineral Coal	765 GL	-1	Mississippian	1085 GL	-321
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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	1182'	Thick Set	120	10# KOL seal @ sx

*EXISTG. 1/24/08*

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		
		RECORDED KANSAS COMMISSION FEB 24 2009 CONS. SERVICE DIVISION TULSA, OKS	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-3/8"	1102'				
Date of First, Resumerd Production, SWD or Enhr.			Producing Method				
11/6/2008			<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	9	0				

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>	Oakhurst Farms 4-8		
	Sec. 8 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31049-00-01		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations (April 2007)</b>			
4	Rowe 976.5' - 979'	2500 lbs 20/40 sand 200 bbls water 300 gals 15% HCl acid	976.5' - 979'
4	Mineral 764.5' - 766.5' Croweburg 725' - 728' Iron Post 700' - 702.5'	3700 lbs 20/40 sand 529 bbls water 800 gals 15% HCl acid	700' - 766.5'
4	Mulky 675' - 681.5' Summit 648.5' - 653.5'	1000 lbs 20/40 sand 208 bbls water 650 gals 15% HCl acid	648.5' - 681.5'
<b>Recompletion Perforations (November 2008)</b>			
4	Riverton 1063.5' - 1066'	2300 lbs 20/40 sand 441 bbls water 600 gals 15% HCl acid	1063.5' - 1066'

RECEIVED  
 KANSAS OIL AND GAS COMMISSION  
 FEB 24 2009  
 CONSERVATION DIVISION  
 WASHINGTON