

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

10/02/09  
Form ACO-1  
September 1999  
Form Must Be Typed  
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 66205-2001  
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>6/6/2007</u>	<u>6/8/2007</u>	<u>10/31/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27207-00-00  
County: Wilson  
\_\_\_\_ NW - NW - \_\_\_\_ Sec. 29 Twp. 30 S. R. 14  East  West  
787 feet from S /  (circle one) Line of Section  
631 feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Papon Well #: 4-29  
Field Name: Cherokee Basin Coal  
Producing Formation: Cherokee Coals  
Elevation: Ground: 967' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1522' Plug Back Total Depth: 1519'  
Amount of Surface Pipe Set and Cemented at 43 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1519  
feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan At 4-15-2009  
(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: [Signature]  
Title: Agent Date: 2-4-08  
Subscribed and sworn to before me this 4 day of February,  
20 08.  
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  
 Geologist Report Received  
 JIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**FEB 06 2008**  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Papon Well #: 4-29  
 Sec. 29 Twp. 30 S. R. 14  East  West County: Wilson

**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>995 GL</td> <td>-28</td> </tr> <tr> <td>Excello Shale</td> <td>1100 GL</td> <td>-133</td> </tr> <tr> <td>V-Shale</td> <td>1172 GL</td> <td>-205</td> </tr> <tr> <td>Mineral Coal</td> <td>1214 GL</td> <td>-247</td> </tr> <tr> <td>Mississippian</td> <td>1416 GL</td> <td>-449</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	995 GL	-28	Excello Shale	1100 GL	-133	V-Shale	1172 GL	-205	Mineral Coal	1214 GL	-247	Mississippian	1416 GL	-449
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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	43'	Class A	10	Type 1 cement
Casing	6.75"	4.5"	10.5	1519'	Thick Set	160	#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 (Amount and Kind of Material Used)	Depth
	See Attached Page		

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>1320'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>11/13/2007</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>14</u>	Water Bbls. <u>32</u>	Gas-Oil Ratio Gravity

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <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) _____	Production Interval
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**FEB 06 2008**  
  
 CONSERVATION DIVISION  
 WICHITA, KS

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Papon 4-29		
	Sec. 29 Twp. 30S Rng. 14E, Wilson County		
<b>API:</b>	15-205-27207-00-00		
<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	Mineral 1213.5' - 1215' Croweburg 1172' - 1175' Bevier 1153' - 1155'	10001 lbs 20/40 sand 901 bbls water 500 gals 15% HCl acid	1153' - 1215'
4	Mulky 1101' - 1105'	7704 lbs 20/40 sand 541 bbls water 300 gals 15% HCl acid	1101' - 1105'
4	Mulberry 991' - 993'	2503 lbs 20/40 sand 333 bbls water 200 gals 15% HCl acid	991' - 993'

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