

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

AMENDED  
05/08/09

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: McPherson Drilling  
License: 5675  
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>01/11/2007</u>	<u>01/18/2007</u>	<u>12/11/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27063-00-00  
County: Wilson  
\_\_\_\_ NE \_\_\_\_ NE Sec. 26 Twp. 29 S. R. 13  East  West  
660 feet from S /  (circle one) Line of Section  
660 feet from  (circle one) W Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE    SE    NW    SW  
Lease Name: Tharp Well #: 1-26

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

Elevation: Ground: 922' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1482' Plug Back Total Depth: 1477'  
Amount of Surface Pipe Set and Cemented at 41 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1477  
feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan Att II NY 12-30-09  
(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: [Signature]  
Title: Agent Date: 4/1/2008  
Subscribed and sworn to before me this 1 day of April,  
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  
 Geologist Report Received  
RECEIVED  
APR 02 2008  
KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Tharp Well #: 1-26  
 Sec. 26 Twp. 29 S. R. 13  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;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee Lime</td> <td>984 GL</td> <td>-62</td> </tr> <tr> <td>Excello Shale</td> <td>1076 GL</td> <td>-154</td> </tr> <tr> <td>V-Shale</td> <td>1147 GL</td> <td>-225</td> </tr> <tr> <td>Mineral Coal</td> <td>1204 GL</td> <td>-282</td> </tr> <tr> <td>Mississippian</td> <td>1393 GL</td> <td>-471</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	984 GL	-62	Excello Shale	1076 GL	-154	V-Shale	1147 GL	-225	Mineral Coal	1204 GL	-282	Mississippian	1393 GL	-471
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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	40'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1477'	Thick Set	155	

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		
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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	1416'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
SI - waiting on pipeline		<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 Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	RECEIVED KANSAS CORPORATION COMMISSION <div style="text-align: right; font-size: 1.5em; font-weight: bold;">APR 02 2008</div>

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Tharp 1-26		
	Sec. 26 Twp. 29S Rng. 13E, Wilson County		
<b>API:</b>	15-205-27063-00-00		
<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	Rowe 1360.5' - 1362'	2620 lbs 20/40 sand 210 bbls water 300 gals 15% HCl acid	1360.5' - 1362'
4	Mineral 1203.5' - 1204.5' Croweburg 1147.5' - 1151' Bevier 1132' - 1133'	9965 lbs 20/40 sand 718 bbls water 400 gals 15% HCl acid	1132' - 1204.5'
4	Mulky 1076.5' - 1080.5' Summit 1064.5' - 1066' Mulberry 980.5' - 981.5'	11262 lbs 20/40 sand 681 bbls water 400 gals 15% HCl acid	980.5' - 1080.5'

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