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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

11/7/09

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: 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. \_\_\_\_\_

7/20/2007      7/23/2007      10/16/2007  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 125-31395-00-00  
County: Montgomery  
\_\_\_\_\_ SE SW Sec. 1 Twp. 33 S. R. 16  East  West  
725 feet from  N (circle one) Line of Section  
2198 feet from E /  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: DeMott Farms Well #: 14-1  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 788' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1103' Plug Back Total Depth: 1091'  
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 1091  
feet depth to Surface w/ 115 sx cmt.

Drilling Fluid Management Plan AK II NY 31809  
(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.: \_\_\_\_\_

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**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: 11/7/09  
Subscribed and sworn to before me this 7 day of November  
2009  
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  
UIC Distribution  
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CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: DeMott Farms Well #: 14-1  
 Sec. 1 Twp. 33 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>453 GL</td> <td>335</td> </tr> <tr> <td>Excello Shale</td> <td>604 GL</td> <td>184</td> </tr> <tr> <td>V-Shale</td> <td>654 GL</td> <td>134</td> </tr> <tr> <td>Mineral Coal</td> <td>699 GL</td> <td>89</td> </tr> <tr> <td>Mississippian</td> <td>1025 GL</td> <td>-237</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	453 GL	335	Excello Shale	604 GL	184	V-Shale	654 GL	134	Mineral Coal	699 GL	89	Mississippian	1025 GL	-237
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Mississippian	1025 GL	-237																	

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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	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1091'	Thick Set	115	#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

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>1004'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	--------------------	---------------------	-----------	---

Date of First, Resumerd Production, SWD or Enhr. <u>10/24/2007</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Specify)
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Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>5</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio
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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 \_\_\_\_\_

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	DeMott Farms 14-1		
	Sec. 1 Twp. 33S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31395-00-00		
<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 937' - 939'	2700 lbs 20/40 sand 234 bbls water 300 gals 15% HCl acid	937' - 939'
4	Weir 794' - 798' Mineral 699' - 701.5'	6500 lbs 20/40 sand 536 bbls water 1390 gals 15% HCl acid	699' - 798'
4	V-Shale 655' - 657' Iron Post 631' - 633.5'	5100 lbs 20/40 sand 493 bbls water 895 gals 15% HCl acid	631' - 657'
4	Mulky 604' - 609' Summit 575' - 578'	7900 lbs 20/40 sand 661 bbls water 2420 gals 15% HCl acid	575' - 609'

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# GEOLOGIC REPORT

LAYNE ENERGY  
DeMott Farms 14-1  
SE SW, 725 FSL, 2198 FWL  
Section 1-T33S-R16E  
Montgomery County, KS

Spud Date: 7/20/2007  
Drilling Completed: 7/23/2007  
Logged: 7/23/2007  
A.P.I. #: 15125313950000  
Ground Elevation: 788  
Depth Driller: 1103  
Depth Logger: 1102  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1091'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

Formation	Tops	
	(below ground)	(subsea)
Cherryvale		
Kansas City Group		788
Pawnee Limestone	453	335
Excello Shale	604	184
"V" Shale	654	134
Mineral Coal	699	89
Mississippian	1,025	-237

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# Daily Well Work Report

DEMOTT FARMS 14-1  
7/20/2007

**Well Location:**  
MONTGOMERY KS  
33S-16E-1 SE SW  
725FSL / 2198FWL

**Cost Center** C01013400700  
**Lease Number** C010134  
**Property Code** KSDC33S16E0114  
**API Number** 15-125-31395

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
7/20/2007	7/23/2007	10/16/2007	10/24/2007	10/24/2007	DEMOTT_14_1

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1103	1091	20	1091	0	0

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 7/20/2007
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> Drill out from under surface		<b>Contractor</b> Thornton

## Narrative

Miru Thornton Drilling, drilled 11" hole, 20' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.  
DWC: \$ 2,880

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	DeMott Farms 14-1		
	Sec. 1 Twp. 33S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31395-00-00		
<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 937' - 939'	2700 lbs 20/40 sand 234 bbls water 300 gals 15% HCl acid	937' - 939'
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