

CONFIDENTIAL

ORIGINAL 1/29/11

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

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

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>10/10/2008</u>	<u>10/14/2008</u>	<u>12/30/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27653-00-00  
County: Wilson  
N2 NW SE Sec. 26 Twp. 30 S. R. 13  East  West  
2186 feet from  N (circle one) Line of Section  
1985 feet from  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: Westfall Well #: 10-26  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 1019' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1637' Plug Back Total Depth: 1625'  
Amount of Surface Pipe Set and Cemented at 42 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1625  
feet depth to Surface w/ 100 sx cmt.

Drilling Fluid Management Plan AT 112 47509  
(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: Project Engineer Date: 1/29/09  
Subscribed and sworn to before me this 29 day of January,  
2009.  
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  
 UIC Distribution  
**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**JAN 30 2009**

**MacLAUGHLIN DARLING**  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2013

CONSERVATION DIVISION  
WICHITA, KS

KCC  
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Operator Name: Layne Energy Operating, LLC Lease Name: Westfall Well #: 10-26  
 Sec. 26 Twp. 30 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>1134 GL</td> <td>-115</td> </tr> <tr> <td>Excello Shale</td> <td>1235 GL</td> <td>-216</td> </tr> <tr> <td>V-Shale</td> <td>1305 GL</td> <td>-286</td> </tr> <tr> <td>Mississippian</td> <td>1564 GL</td> <td>-545</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	1134 GL	-115	Excello Shale	1235 GL	-216	V-Shale	1305 GL	-286	Mississippian	1564 GL	-545
Name	Top	Datum														
Pawnee Lime	1134 GL	-115														
Excello Shale	1235 GL	-216														
V-Shale	1305 GL	-286														
Mississippian	1564 GL	-545														

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	42'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1625'	Thick Set	100	50/50 posmix w/2% gel

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	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>RECEIVED KANSAS CORPORATION COMMISSION JAN 30 2009 CONSERVATION DIVISION WICHITA, KS</b>
Date of First, Resumerd Production, SWD or Enhr.		Producing Method				
1/13/2009		<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	5	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>	Westfall 10-26		
	Sec. 26 Twp. 30S Rng. 13E, Wilson County		
<b>API:</b>	15-205-27653-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations (December 2008)</b>			
4	Riverton 1539' - 1542.5'	3700 lbs 20/40 sand 254 bbls water 300 gals 15% HCl acid	1539' - 1542.5'
4	Croweburg 1305.5' - 1308.5' Bevier 1288.5' - 1290'	5800 lbs 20/40 sand 414 bbls water 350 gals 15% HCl acid	1288.5' - 1308.5'
4	Mulky 1235.5' - 1239.5' Summit 1223.5' - 1225'	7600 lbs 20/40 sand 495 bbls water 350 gals 15% HCl acid	1223.5' - 1239.5'
4	Mulberry 1131' - 1132.5'	2500 lbs 20/40 sand 193 bbls water 150 gals 15% HCl acid	1131' - 1132.5'

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**WICHITA, KS**

# GEOLOGIC REPORT

LAYNE ENERGY  
Westfall 10-26  
N2 NW SE, 2186 FSL, 1985 FEL  
Section 26-T30S-R13E  
Wilson County, KS

Spud Date: 10/10/2008  
Drilling Completed: 1/0/1900  
Logged: 10/14/2008  
A.P.I. #: 15205276530000  
Ground Elevation: 1019'  
Depth Driller: 1637'  
Depth Logger: 1638'  
Surface Casing: 8.625 inches at 42'  
Production Casing: 4.5 inches at 1625'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, Litho Density /  
Neutron Logs

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Lawrence	
Robbins Shale	Shale)	1,019
Pawnee Limestone	1,134	-115
Excello Shale	1,235	-216
"V" Shale	1,305	-286
Mineral Coal		
Mississippian	1,564	-545

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# Daily Well Work Report

WESTFALL 10-26

10/14/2008

**Well Location:**

WILSON KS  
30S-13E-26 N2 NW SE  
2186FSL / 1985FEL

**Cost Center**  
**Lease Number**  
**Property Code**  
**API Number**

G01057300400  
G010573  
KSSY30S13E2610  
15-205-27653

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnetiD
10/10/2008	10/14/2008	12/30/2008	1/13/2009	1/13/2009	WESTFALL_10_26

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1637	1625	42	1625	0	0

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 10/10/2008
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> DRILL OUT SURFACE		<b>Contractor</b> THORNTON DRILLING

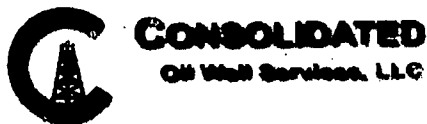
**Narrative**

MIRU THORNTON ROTARY DRILLING, DRILLED 11" HOLE, 42' DEEP, RIH W/2 JT 8 5/8" SURFACE CASING, MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.  
DWC:\$3160

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WICHITA, KS



**ENTERED**

TICKET NUMBER 19552  
 LOCATION EUREKA  
 FOREMAN Kevin McCoy

PO Box 884, Chanute, KS 66720  
 620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT  
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	ZONE
10-15-08	4758	West FALL 10-26				ELK
CUSTOMER <u>Layne Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>P.O. Box 160</u>			445 Justin			
CITY <u>Sycamore</u>			439 CALIN			
STATE <u>Ks</u>			543 DAVE			
ZIP CODE			JAN 2 2009			

Gus  
Joves  
Rig 1

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1637' CASING SIZE & WEIGHT 4 1/2 10.5" new  
 CASING DEPTH 1625' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9-13.2 SLURRY VOL 53 BBL WATER gal/sk 6'-8" CEMENT LEFT in CASING 0'  
 DISPLACEMENT 25.8 BBL DISPLACEMENT PSI 700 PSI 1100 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 Casing. BREAK Circulation w/ 50 BBL Fresh water.  
Pump 10 sks Gel Flush w/ HULLS, 2 BBL Fresh water SPACER, MIXED 100 sks 50/50 Pozmix  
Cement w/ 2% CaCl2, 2% Gel, 4" Kol-Seal, 3" CAL-Seal, 1/8" PhenoSeal, 1/2% CFL-110, 1/4% CAF-38 @ 13.9\*/gal, yield 1.40. TAIL IN w/ 90 sks THICK Set Cement w/ 8" Kol-Seal, 1/2% CFL-110, 1/4% CAF-38 @ 13.2\*/gal, yield 1.75. WASH out Pump & Lines, Shut down.  
Release Plug. Displace w/ 25.8 BBL Fresh water @ 4 BPM. FINAL Pumping Pressure  
700 PSI. Bump Plug to 1100 PSI. wait 2 minutes. Release Pressure. Float Held.  
Good Cement Returns to SURFACE = 9 BBL Slurry (36 sks) to Pit. Job Complete. Rig down

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1124	100 SKS	50/50 Pozmix Cement	9.75	975.00
1102	170 *	CaCl2 2%	.75 *	127.50
1118 A	170 *	Gel 2%	.17 *	28.90
1110 A	400 *	Kol-Seal 4"/sk	.42 *	168.00
1101	300 *	CAL-Seal 3"/sk	.36 *	108.00
1107 A	24 *	PhenoSeal 1/8"/sk (IN ALL OF Cement)	1.15 *	27.60
1135	100 *	CFL-110 1/2% (IN ALL OF Cement)	7.50 *	750.00
1146	50 *	CAF-38 1/4% (IN ALL OF Cement)	7.70 *	385.00
1126 A	90 SKS	THICK Set Cement	17.00	1530.00
1110 A	720 *	Kol-Seal 8"/sk	.42 *	302.40
1118 A	500 *	Gel Flush	.17 *	85.00
1105	50 *	Hulls	.39 *	19.50
5407	9.15 Tons	Ton Mileage Bulk Trucks	M/K X 2	630.00
4404	1	4 1/2 Top Rubber Plug	45.00	45.00
			Sub TOTAL	6252.90
		THANK You	SALES TAX 6.3%	286.78
			ESTIMATED TOTAL	6539.68

Revin 3737

AUTHORIZATION witnessed By Jacob TITLE Layne Co. Rep. DATE \_\_\_\_\_