

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

9/14/09

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 33365  
 Name: Layne Energy Operating, LLC  
 Address: 1900 Shawnee Mission Parkway  
 City/State/Zip: Mission Woods, KS 66205  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: M. Brent Natrass  
 Phone: (913) 748-3960  
 Contractor: Name: McPherson Drilling  
 License: 5675  
 Wellsite Geologist: \_\_\_\_\_  
 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: \_\_\_\_\_  
 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>5/21/2007</u>	<u>5/23/2007</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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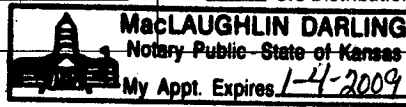
API No. 15 - 205-27167-00-00  
 County: Wilson  
 \_\_\_\_\_ SW SE Sec. 29 Twp. 30 S. R. 14  East  West  
476 feet from  N (circle one) Line of Section  
2097 feet from  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE  SE NW SW  
 Lease Name: Ratzlaff Well #: 15-29  
 Field Name: Cherokee Basin Coal Area  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 902' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1405' Plug Back Total Depth: 1392'  
 Amount of Surface Pipe Set and Cemented at 44 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 1392  
 feet depth to Surface w/ 140 sx cmt.

**Drilling Fluid Management Plan** ATTN 38-09  
 (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: 9/13/07  
 Subscribed and sworn to before me this 13 day of September  
 20 07.  
 Notary Public: MacLaughlin Darling  
 Date Commission 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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**SEP 14 2007**  
 CONSERVATION DIVISION  
 WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Ratzlaff Well #: 15-29  
 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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>895 GL</td> <td>7</td> </tr> <tr> <td>Excello Shale</td> <td>1009 GL</td> <td>-107</td> </tr> <tr> <td>V Shale</td> <td>1077 GL</td> <td>-175</td> </tr> <tr> <td>Mineral Coal</td> <td>1118 GL</td> <td>-216</td> </tr> <tr> <td>Mississippian</td> <td>1322 GL</td> <td>-420</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	895 GL	7	Excello Shale	1009 GL	-107	V Shale	1077 GL	-175	Mineral Coal	1118 GL	-216	Mississippian	1322 GL	-420
Name	Top	Datum																	
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Mississippian	1322 GL	-420																	

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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	44'	Class A	40	Type 1 cement
Casing	6.75"	4.5"	10.5	1392'	Thick Set	140	#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 <i>(Amount and Kind of Material Used)</i>	Depth
	SI-waiting on completion		

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>SI - waiting on pipeline</b>			Producing Method <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 <input type="checkbox"/> Vented <input 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval <div style="text-align: right;"> <b>RECEIVED</b>                      KANSAS CORPORATION COMMISSION  <b>SEP 14 2007</b>                      CONSERVATION DIVISION                      WICHITA, KS                 </div>
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**GEOLOGIC REPORT**

LAYNE ENERGY  
Ratzlaff 15-29  
SW SE, 476 FSL, 2097 FEL  
Section 29-T30S-R14E  
Wilson County, KS

Spud Date: 5/21/2007  
Drilling Completed: 5/23/2007  
Logged: 5/23/2007  
A.P.I. #: 15205271670000  
Ground Elevation: 902'  
Depth Driller: '  
Depth Logger: 1402'  
Surface Casing: 8.625 inches at 44'  
Production Casing: 4.5 inches at 1392'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

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**Formation**

	<b>Tops</b>	
	<b>(below ground)</b>	<b>(subsea)</b>
	Surface (Stranger Formation)	902
Douglas Group		
Pawnee Limestone	895	7
Excello Shale	1,009	-107
"V" Shale	1,077	-175
Mineral Coal	1,118	-216
Mississippian	1,322	-420

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CONSERVATION DIVISION  
WICHITA, KS

# Daily Well Work Report

RATZLAFF 15-29

5/21/2007

**Well Location:**  
WILSON KS  
30S-14E-29 SW SE  
476FSL / 2097FEL

**Cost Center** G01014200300  
**Lease Number** G010142  
**Property Code** KSSY30S14E29SE  
**API Number** 15-205-27167

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
5/21/2007	5/23/2007				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1405	1392	44	1392		

**Reported By** KRD      **Rig Number**      **Date** 5/21/2007  
**Taken By** KRD      **Down Time**  
**Present Operation** Drill under surface      **Contractor** McPherson

## Narrative

MIRU McPherson Drilling, drilled 11' hole, 44' deep, rih w/2jt 8-5/8" RU Consolidated to 8-5/8", break circulation w/5 bbls fresh water. Mixed 40 sks class a cement w/2% gel, 2% caciz & 1/4# flocele per sk @ 14.8# per bbl. Displace w/2 bbl water, shut in casing. Good cement to surface. surface casing. RDMOL .  
DWC: \$4831

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Thursday, September 13, 2007

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WICHITA, KS



CONSOLIDATED OIL WELL SERVICES, LLC  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676



**ENTERED**

TICKET NUMBER 17356

LOCATION Eureka

FOREMAN Troy Strichter

**TREATMENT REPORT & FIELD TICKET  
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-24-07	4758	Racklift 15-29				Millar
CUSTOMER <u>Layne Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>			<u>445</u>	<u>Justin</u>	<u>KCC</u>	
CITY <u>Sycamore</u>	STATE <u>Ks</u>	ZIP CODE	<u>439</u>	<u>Jarrod</u>	<u>SEP 14 2007</u>	
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JOB TYPE Logging HOLE SIZE 4 1/2" HOLE DEPTH 1405' CASING SIZE & WEIGHT 4 1/2"  
 CASING DEPTH 1392' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2" SLURRY VOL 440bbl WATER gal/sk 8" CEMENT LEFT In CASING 0'  
 DISPLACEMENT 22.1bbl DISPLACEMENT PSI 700 MIX PSI 1200 bump plug RATE \_\_\_\_\_

REMARKS: Safety Meeting! Rig up to 4 1/2" casing. Break circulation w/ 300bbl water Pump 4sk Gel Flush, 58M water spacer, 10bbl Metasilicate Pre-Flush, 200bbl Water, 128bbl Dye water. Mixed 140sk Thick Set Cement w/ 10" top seal @ 13.2" Papi. Wash out Pump + lines. Release Plug. Displace w/ 22.1 bbl Water. Final Pumping Pressure 700 PSI. Bump Plug to 1200 PSI. Wait 2 minutes. Release Pressure. Float Held. Good Cement Return to Surface = 7 Bbl Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
8401	1	PUMP CHARGE	840.00	840.00
5406	40	MILEAGE	3.30	132.00
1126A	140sk	Thick Set Cement	15.40	2156.00
1110A	1400"	Kal-Seal 10" Papi	.38	532.00
1118A	200"	Gel-Flush	.15"	30.00
1111A	50"	Metasilicate Pre-Flush	1.65"	82.50
5407A	7.7	Ton-Mileage Bulk Truck	1.10	332.00
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
<u>Thank You!</u>				
			<u>Sub Total</u>	<u>4156.30</u>
			<u>6.32</u> SALES TAX	<u>177.76</u>
			ESTIMATED TOTAL	<u>4334.06</u>

213653

KANSAS CORPORATION COMMISSION

AUTHORIZATION Called by Myer

TITLE \_\_\_\_\_

SEP 14 2007

CONSERVATION DIVISION WICHITA, KS 4330.26