

**CONFIDENTIAL**

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**

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. B. Natrass  
Phone: (913) 748-3987  
Contractor: Name: Thornton Air Rotary  
License: 33606  
Wellsite Geologist: \_\_\_\_\_

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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>4/12/2006</u>	<u>4/14/2006</u>	<u>5/3/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30979-00-00  
County: Montgomery  
NE    SW    NW    Sec. 11 Twp. 31 S. R. 14  East  West  
2025 feet from S / **(N)** (circle one) Line of Section  
585 feet from E / **(W)** (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Raymond Well #: 5-11  
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals  
Elevation: Ground: 900 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1482 Plug Back Total Depth: 1477  
Amount of Surface Pipe Set and Cemented at 21 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 AH II NH 8-26-08  
(Data must be collected from the Reserve Pit)

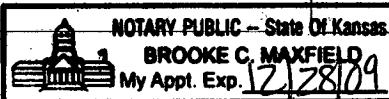
Chloride content N/A ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used N/A - Air Drilled

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: MB Natrass  
Title: Agent Date: 8/7/06  
Subscribed and sworn to before me this 7th day of August,  
2006  
Notary Public: Brooke C. Maxfield  
Date Commission Expires: 12/28/09



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Layne Energy Operating, LLC Lease Name: Raymond Well #: 5-11  
 Sec. 11 Twp. 31 S. R. 14  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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	880 GL 20
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1009 GL -109
List All E. Logs Run:		V Shale	1073 GL -173
Compensated Density Neutron		Mineral Coal	1116 GL -216
Dual Induction		Mississippian	1376 GL -476

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	8.65	24	21'	Class A	4	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 <i>(Amount and Kind of Material Used)</i>	Depth
	See Attached		
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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"	1365				
Date of First, Resumerd Production, SWD or Enhr. 6/21/2006			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	0	55	61				

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

**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** Raymond 5-11  
Sec. 11 Twp. 31S Rng. 14E, Montgomery County  
**API:** 15-125-30979

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<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1329.5-1332.5, 1185-1187, 1116-1118	Rowe, Weir, Mineral-4,700 # 20/40 sand, 800 gal HCl 15% acid, 445 bbls wtr	1116-1332.5
4	1073-1076, 1054-1058	Croweburg, Ironpost-4,700# 20/40 sand, 800 gal HCl 15% acid, 420 bbls wtr	1054-1076
4	1008-1013, 993-996, 878-879.5	Mulky, Summit, Mulberry-5800# 20/40 sand, 1000 gal 15% HCl acid, 457 bbls wtr	878-1013

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## GEOLOGIC REPORT

LAYNE ENERGY  
Raymond 5-11  
SW NW, 2025 FNL, 585 FWL  
Section 11-T31S-R14E  
Montgomery County, KS

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Spud Date: 4/12/2006  
Drilling Completed: 4/14/2006  
Logged: 4/14/2006  
A.P.I. #: 1512530979  
Ground Elevation: 900'  
Depth Driller: 1482'  
Depth Logger: 1482'  
Surface Casing: 8.625 inches at 20'  
Production Casing: 4.5 inches at 1477'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

### **Formation**

Lansing Group  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

### **Tops (in feet below ground level)**

Surface (Stoner Limestone Member)  
880  
1,009  
1,073  
1,116  
1,376

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

AUG 07 2006

TICKET NUMBER 08668

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LOCATION EUREKA

FOREMAN KEVIN MCCOY

**TREATMENT REPORT & FIELD TICKET  
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-17-06	4758	Raymond 5-11				MG
CUSTOMER <u>Layne Energy</u>		Gus Jones Rig 2	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>			445	Rick L.		
CITY <u>Sycamore</u>			442	Rick P.		
STATE <u>Ks</u>	ZIP CODE		436	John		

JOB TYPE longstring HOLE SIZE 6 3/4 HOLE DEPTH 1482' CASING SIZE & WEIGHT 4 1/2 10.5" NEW  
 CASING DEPTH 1477' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2\* SLURRY VOL 48 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 23.5 BBL DISPLACEMENT PSI 700 PSI 1200 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 25 BBL fresh water. Pump 4 sks Gel Flush, 5 BBL SPACER, 10 BBL metasilicate Pre Flush, 15 BBL Dye water. MIXED 155 sks Thick Set Cement w/ 10" KOL-SEAL Per/sk @ 13.2\* Per/gal, yield 1.75. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 23.5 BBL fresh water. FINAL Pumping Pressure 700 psi. Bump Plug to 1200 psi. wait 2 minutes. Release Pressure. FLOAT Held. Good Cement Returns to Surface = 8 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE <u>1st well of 2</u>	3.15	126.00
1126 A	155 sks	Thick Set Cement	14.65	2270.75
1110 A	1550 #	KOL-SEAL 10" Per/sk	.36 #	558.00
1118 A	200 #	Gel Flush	.14 #	28.00
1111 A	50 #	Metasilicate Pre Flush	1.65 #	82.50
5407 A	8.52 Tons	40 miles BULK TRUCK	1.05	357.84
5502 C	3 Hrs	80 BBL UAC TRUCK	90.00	270.00
1123	3000 gals	City water	12.80 <sup>Per 1000</sup>	38.40
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
			<b>Sub Total</b>	<b>4571.49</b>
			SALES TAX	159.93
			ESTIMATED TOTAL	4731.42

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Thank You  
 204603

AUTHORIZATION Called By John Ed

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

08/07/08

**Layne Energy, Inc.**

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

August 7, 2006

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Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

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Re: Well Completion Form

To Whom It May Concern:

I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-30979  
Raymond 5-11

API# 15-125-31047  
Holt 3-25

API# 15-205-26428  
Tucker AX&P 5-29

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,

  
Brooke Maxfield

Enclosures

Cc Well File  
Field Office

