

**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**

7/21/10

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: JUL 21 2008  
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>4/18/2008</u>	<u>4/21/2008</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31584-00-00  
County: Montgomery  
N2 N2 NW Sec. 29 Twp. 31 S. R. 17  East  West  
432 feet from S /  (circle one) Line of Section  
1267 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  (circle one) SW  
Lease Name: Plumley Well #: 4-29

Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 809' Kelly Bushing: \_\_\_\_\_  
Total Depth: 988' Plug Back Total Depth: 986'  
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 986  
feet depth to Surface w/ 140 sx cmt.

Drilling Fluid Management Plan AK II NH 9-3-08  
(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: \_\_\_\_\_  
Title: Agent Date: 7-21-08

Subscribed and sworn to before me this 21 day of July  
08

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**  
KANSAS CORPORATION COMMISSION  
**JUL 22 2008**  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Plumley Well #: 4-29  
 Sec. 29 Twp. 31 S. R. 17  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;"> <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>421 GL</td> <td>388</td> </tr> <tr> <td>Excello Shale</td> <td>566 GL</td> <td>243</td> </tr> <tr> <td>V-Shale</td> <td>621 GL</td> <td>188</td> </tr> <tr> <td>Mineral Coal</td> <td>666 GL</td> <td>173</td> </tr> <tr> <td>Mississippian</td> <td>974 GL</td> <td>-165</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	421 GL	388	Excello Shale	566 GL	243	V-Shale	621 GL	188	Mineral Coal	666 GL	173	Mississippian	974 GL	-165
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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	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	986'	Thick Set	140	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

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	RECEIVED KANSAS CORPORATION COMMISSION JUL 22 2008 CONSERVATION DIVISION WICHITA, KS
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Date of First, Resumerd Production, SWD or Enhr. <b>Shut-In</b>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 0	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease     
  Open Hole    Perf.    Dually Comp.    Commingled  
*(If vented, Submit ACO-18.)*     
  Other (Specify) \_\_\_\_\_

# GEOLOGIC REPORT

LAYNE ENERGY  
Plumley 4-29  
NW NW, 432 FNL, 1267 FWL  
Section 29-T31S-R17E  
Montgomery County, KS

Spud Date: 4/18/2008  
Drilling Completed: 4/21/2008  
Logged: 4/21/2008  
A.P.I. #: 15125315840000  
Ground Elevation: 809'  
Depth Driller: 988'  
Depth Logger: 988'  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 986'  
Cemented Job: 0  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

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JUL 21 2008

KCC

## Formation

## Tops

	(below ground)	(subsea)
Surface (Dennis		
Kansas City Group Limestone)		809
Pawnee Limestone	421	388
Excello Shale	566	243
"V" Shale	621	188
Mineral Coal	666	143
Mississippian	974	-165

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CONSERVATION DIVISION  
WICHITA, KS

# Daily Well Work Report

PLUMLEY 4-29

4/18/2008

**Well Location:**

MONTGOMERY KS  
31S-17E-29 N2 N2 NW  
432FNL / 1267FWL

**Cost Center**

C01032700100

**Lease Number**

C010327

**Property Code**

KSCV31S17E2904

**API Number**

15-125-31584

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
4/18/2008	4/21/2008				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
988	986	21	986	0	0

**Reported By** KRD

**Rig Number**

**Date**

4/18/2008

**Taken By** KRD

**Down Time**

**Present Operation** DRILL OUT SURFACE

**Contractor**

THORNTON

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JUL 21 2008

**Narrative**

MIRU THORNTON, DRILLED 11" HOLE, 21' DEEP, RHW/1-JT 8 5/8" SURFACE CASING,  
MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.  
DWC:\$2880

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CONSERVATION DIVISION  
WICHITA, KS

Tuesday, July 15, 2008

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

TICKET NUMBER 13912  
 LOCATION Eureka  
 FOREMAN Troy Strickler

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-22-08	4758	Plumblay 4-29				MG
CUSTOMER Layne Energy			TRUCK #			
MAILING ADDRESS P.O. Box 160			DRIVER			
CITY Sycamore			TRUCK #			
STATE Ks			DRIVER			
ZIP CODE						

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 988' CASING SIZE & WEIGHT 4 1/2" 10.5" Nw  
 CASING DEPTH 986' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9\* SLURRY VOL 358bl WATER gal/sk 16' CEMENT LEFT in CASING 0'  
 DISPLACEMENT 15.6bl DISPLACEMENT PSI 600 MIX PSI 1100 8-p 14 RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break Circulation w/ 200bl Fresh water.  
Pump back Gel-Flush w/ Hulls, 100bl Water spacer, 58bl Dye water. Mixed 140cks  
50/50 Pozmix Cement w/ 2% Gel, 2% Cack, 4" Cal-Seal 1rk, 3" Cal-Seal 1sk, 1/4" Floacle  
1/4", 1/2% CFL-110, 1/4% CAF-38, @ 13.9# P/L. Work out Pump + lines Release Plug  
Displace w/ 15.6 Bl water. Final Pumping Pressure 600 PSI Bump Plug to 1100 PSI  
wait 2mins. Release Pressure. Float Held Good Cement to surface = 5 Bl  
Slurry to Pit.

Job Complete **KCC**

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	875.00	875.00
5406	40	MILEAGE	3.45	138.00
1124	140cks	50/50 Pozmix Cement	9.30	1302.00
1118A	240#	Gel 2%	.16#	38.40
1102	240#	Cack 2%	.70#	168.00
1110A	560#	Cal-Seal 4" /sk	.40#	224.00
1101	420#	Cal-Seal 3" /sk	.35#	147.00
1107	35#	Floacle 1/4" R/L	1.98#	69.30
1135	60#	FL-110	7.15#	429.00
1146	30#	CAF-38	7.30#	219.00
1118A	300#	Gel-Flush	.16#	48.00
5407		Ten-mileage	19/c	300.00
1105	50#	Hulls	.37#	18.50
4404	1	4 1/2" Top Rubber Plug	42.00	42.00
			Sub total	4018.20
			5.3% SALES TAX	143.38
			ESTIMATED TOTAL	4161.58

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CONSERVATION DIVISION  
 WICHITA, KS

Thank You!

221432

AUTHORIZATION witnessed by Jacob

TITLE \_\_\_\_\_

DATE \_\_\_\_\_