

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL 12/05/08

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 **KCC**  
Phone: ( 913 ) 748-3987  
Contractor: Name: MOKAT Drilling **DEC 05 2006**  
License: 5831 **CONFIDENTIAL**

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. \_\_\_\_\_  
8/8/2006 8/11/2006  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 125-31132 - 00-00  
County: Montgomery  
\_\_\_\_\_ SE SW Sec. 34 Twp. 31 S. R. 16  East  West  
660 feet from  N (circle one) Line of Section  
1980 feet from E  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Base Well #: 14-34  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 853 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1191 Plug Back Total Depth: 1181  
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 1181  
feet depth to Surface w/ 120 sx cmt.

Drilling Fluid Management Plan **AKI NA 8-2008**  
(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: 12/5/2006  
Subscribed and sworn to before me this 5 day of December  
20 Dec  
Notary Public: Brooke C. Maxfield  
Date Commission Expires: 12/28/09

NOTARY PUBLIC - State Of Kansas  
BROOKE C. MAXFIELD  
My Appt. Exp. 12/28/09

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received **RECEIVED**  
 UIC Distribution **KANSAS CORPORATION COMMISSION**  
**DEC 06 2006**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Base Well #: 14-34  
 Sec. 34 Twp. 31 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>560 GL</td> <td>293</td> </tr> <tr> <td>Excello Shale</td> <td>704 GL</td> <td>149</td> </tr> <tr> <td>V Shale</td> <td>754 GL</td> <td>99</td> </tr> <tr> <td>Mineral Coal</td> <td>797 GL</td> <td>56</td> </tr> <tr> <td>Mississippian</td> <td>1109 GL</td> <td>-256</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	560 GL	293	Excello Shale	704 GL	149	V Shale	754 GL	99	Mineral Coal	797 GL	56	Mississippian	1109 GL	-256
Name	Top	Datum																	
Pawnee Lime	560 GL	293																	
Excello Shale	704 GL	149																	
V Shale	754 GL	99																	
Mineral Coal	797 GL	56																	
Mississippian	1109 GL	-256																	

KCC  
 DEC 05 2006  
 CONFIDENTIAL

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	# Sacs Used	Type and Percent Additives
Surface	11	8.65	24	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1181'	Thick Set	120	

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
	SI - Waiting on completion		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. SI - Waiting on pipeline		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
---	---	---------------------

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 DEC 06 2006  
 CONSERVATION DIVISION  
 WICHITA, KS

# Daily Well Work Report

BASE 14-34  
8/8/2006

**Well Location:**  
MONTGOMERY KS  
31S-16E-34 SE SW  
660FSL / 1980FWL

**Cost Center** C01012000100  
**Lease Number** C010120  
**Property Code** KSCV31S16E3414  
**API Number** 15-125-31132

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/8/2006	8/11/2006				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size	Pump Seat Depth
1191	1181	20	1181			1181

<b>Reported By</b>	<b>Rig Number</b>	<b>Date</b>	8/8/2006
<b>Taken By</b>		<b>Down Time</b>	
<b>Present Operation</b>		<b>Contractor</b>	

## Narrative

MIRU Mokat drilling, drilled 11" hole, 20' deep, rih w/1 jt 8-5/8" surface casing, mixed 4 sxs type 1 cement, dumped down the backside. SDFN.

KCC  
DEC 05 2006  
CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 06 2006

CONSERVATION DIVISION  
WICHITA, KS

**Cumulative Well Cost** \$ 29,185.00

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

KCC

DEC 8 2006

TICKET NUMBER 10539  
 LOCATION Fureka  
 FOREMAN Toy Strickler

**TREATMENT REPORT & FIELD TICKET**  
**CONFIDENTIAL**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-15-06	4758	Base 14-34				MG	
CUSTOMER <u>Layne Energy</u>			Gas Jones	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>				446	Cain		
CITY <u>Sycamore</u>				502	Cliff		
STATE <u>Ks</u>							
ZIP CODE							
JOB TYPE	<u>Long string</u>	HOLE SIZE	<u>6 3/4"</u>	HOLE DEPTH	<u>1191'</u>	CASING SIZE & WEIGHT	<u>4 1/2" 10.5"</u>
CASING DEPTH	<u>1181'</u>	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	<u>13.2"</u>	SLURRY VOL	<u>38861</u>	WATER gal/sk	<u>8"</u>	CEMENT LEFT in CASING	<u>0'</u>
DISPLACEMENT	<u>18.8861</u>	DISPLACEMENT PSI	<u>700</u>	MIX PSI	<u>1200 Bump Pkg</u>	RATE	

REMARKS: Safety meeting: Rig up to 4 1/2" casing Break Circulation w/ 250bl water.  
Pump 4sk Gel-Flush, 50bl Water, 10861 Metaciliate Air-Flush, 9861 Dye.  
Mixed 120sk Thick Set Cement w/ 10" Kal-Seal Pkg @ 13.2" Pkg/sk.  
Wash out Pump + lines. Release Plug. Displace w/ 18.8 Bl Water. Final  
Pump Pressure 700 PSI. Bump Pkg to 1200 PSI. Wait 20mins. Release  
Pressure. Float Hold. Good Cement to surface = 8861 Slurry to Pt

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5402	40	MILEAGE	3.15	126.00
1126A	120sk	Thick Set Cement	14.65	1758.00
1110A	1200"	Kal-Seal 10" Pkg	.36	432.00
1118A	200"	Gel - Flush	.14	28.00
1111A	50"	Metaciliate Air-Flush	1.65	82.50
5407A	6.6 Ton	Ton-Mileage Bulk Truck	1.05	277.20
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
RECEIVED KANSAS CORPORATION COMMISSION DEC 08 2006				
Thank You!				
CONSERVATION DIVISION WICHITA, KS			Sub Total	3548.70
532			SALES TAX	124.04
208018			ESTIMATED TOTAL	3667.74

AUTHORIZATION Called by John Ed. TITLE \_\_\_\_\_ DATE \_\_\_\_\_

# GEOLOGIC REPORT

LAYNE ENERGY  
Base 14-34  
SE SW, 660 FSL, 1980 FWL  
Section 34-T31S-R16E  
Montgomery County, KS

KCC  
DEC 05 2006  
CONFIDENTIAL

Spud Date: 8/8/2006  
Drilling Completed: 8/11/2006  
Logged: 8/11/2006  
A.P.I. #: 1512531132  
Ground Elevation: 853'  
Depth Driller: 1191'  
Depth Logger: 1189'  
Surface Casing: 8.625 inches at 20'  
Production Casing: 4.5 inches at 1181'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

## Formation

Kansas City Group  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

## Tops (in feet below ground level)

Surface (Noxie Sandstone)  
560  
704  
754  
797  
1,109

RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 06 2006  
CONSERVATION DIVISION  
WICHITA, KS

*Layne Energy, Inc.*

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

12/05/08

December 5, 2006

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

KCC  
DEC 05 2006  
CONFIDENTIAL

Re: Well Completion Form

To Whom It May Concern:

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

API # 15-125-31132  
Base 14-34

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 C. Maxfield

Enclosures

Cc Well File  
Field Office

RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 06 2006  
CONSERVATION DIVISION  
WICHITA, KS

