

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

12/06/06

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: KCC  
Operator Contact Person: M. B. Natrass  
Phone: ( 913 ) 748-3987  
Contractor: Name: McPherson Drilling  
License: 5675

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. \_\_\_\_\_  
8/11/2006    8/15/2006    11/7/2006  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 125-31144-60-00  
County: Montgomery  
\_\_\_\_\_ SW SW Sec. 21 Twp. 31 S. R. 16  East  West  
660 feet from  N (circle one) Line of Section  
660 feet from E /  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Beurskens Well #: 13-21  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 785 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1069 Plug Back Total Depth: 1055  
Amount of Surface Pipe Set and Cemented at 46 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1055  
feet depth to Surface w/ 110 sx cmt.

Drilling Fluid Management Plan Alt II Nt 8-25 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: [Signature]  
Title: Agent Date: 12/6/06  
Subscribed and sworn to before me this 6 day of December  
20 06  
Notary Public: [Signature]  
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  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
DEC 07 2006

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

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Beurskens Well #: 13-21  
 Sec. 21 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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>537 GL</td> <td>248</td> </tr> <tr> <td>Excello Shale</td> <td>680 GL</td> <td>105</td> </tr> <tr> <td>V Shale</td> <td>730 GL</td> <td>55</td> </tr> <tr> <td>Mineral Coal</td> <td>770 GL</td> <td>15</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	537 GL	248	Excello Shale	680 GL	105	V Shale	730 GL	55	Mineral Coal	770 GL	15
Name	Top	Datum														
Pawnee Lime	537 GL	248														
Excello Shale	680 GL	105														
V Shale	730 GL	55														
Mineral Coal	770 GL	15														

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	46'	Class A	50	Type 1 cement
Casing	6.75	4.5	10.5	1055'	Thick Set	110	

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
	Open Hole	250 gal acid, 22.5 gal CS-2, 5 gal Clay treat TS	1055-1069
		4 gal Clay treat PP	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>1051'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>SI - waiting on pipeline</u>		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  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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DEC 07 2006

CONSERVATION DIVISION  
WICHITA, KS

# Daily Well Work Report

BEURSKENS 13-21

8/11/2006

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**Well Location:**  
MONTGOMERY KS  
31S-16E-21 SW SW  
660FSL / 660FWL

**Cost Center** C01010200400  
**Lease Number** C010102  
**Property Code** COLT-PUD0011  
**API Number** 15-125-31144

<b>Spud Date</b>	<b>RDMO Date</b>	<b>First Compl</b>	<b>First Prod</b>	<b>EFM Install</b>	<b>CygnnetID</b>
8/11/2006	8/15/2006				

<b>TD</b>	<b>PBTD</b>	<b>Sf Csg Depth</b>	<b>Pr Csg Depth</b>	<b>Tbg Size</b>	<b>Csg Size</b>	<b>Pump Seat Depth</b>
1069	1055	46	1055			1055

<b>Reported By</b>	<b>Rig Number</b>	<b>Date</b>	8/11/2006
<b>Taken By</b>		<b>Down Time</b>	
<b>Present Operation</b>		<b>Contractor</b>	

## Narrative

MIRU McPherson drilling rig, drilled 11" hole 46' deep. Rih w/2 jts 8-5/8" surface casing. RD Rig. RU Consolidated to 8-5/8" casing. Break circulation w/10 bbls fresh water. Mixed 50 sks regular cement w/2% Cactz, 2" gel, 1/4# flocele per sk @ 14.8# per gal. Displace w/2 bbls fresh water. Shut Casing in Mol.

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**Cumulative Well Cost** \$ 59,514.00

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

KCC  
 DEC 06 2006

TICKET NUMBER 10554  
 LOCATION EUREKA  
 FOREMAN RICK LEFANO

CONFIDENTIAL  
 TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-16-06	4758	BEURSTEN 13-21				M6
CUSTOMER Layne Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 160			445	Koon		
CITY Sycamore			442	Jerrid		
STATE KS	ZIP CODE					

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1069' CASING SIZE & WEIGHT 4 1/2" 12.5# new  
 CASING DEPTH 1055' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.3# SLURRY VOL \_\_\_\_\_ WATER gal/sk 2.0 CEMENT LEFT IN CASING 0'  
 DISPLACEMENT 16.8 BW DISPLACEMENT PSI 500 RATE 1000

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 200 bbls fresh water. Pump 4 ses gal-flush. 5 bbls fresh water spacer, 1 se Metasilicate pre-flush, 8 bbls Dye water. Mixed 110 ses Thickset cement w/ 10# Kal-sol @ 13.2# per sk. Washed pump & lines. Release plug. Displace w/ 16.8 bbls fresh water. Final pump pressure 500 PSI. Bump plug to 1000 PSI. wait 2 minutes. Release pressure. float held. Good cement return to surface = 8 bbls slurry to p.t. Job complete. Tar 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 2nd well of 2		
1126A	110 ses	Thickset cement	14.05	1611.50
1110A	1100 #	Kal-sol 10# per sk	1.36	396.00
1118A	200 #	Gel-flush	.14	28.00
1111A	50 #	Metasilicate pre-flush	1.65	82.50
5407A	6.05	Tax-mileage Aux-Tax	1.05	254.10
4404	1	4 1/2" Top Rubber Plug RECEIVED	40.00	40.00
KANSAS CORPORATION COMMISSION				
DEC 07 2006				
CONSERVATION DIVISION				
WICHITA, KS				
"Thank You"				
			Subtotal	3212.10
			SALES TAX	114.32
			ESTIMATED TOTAL	3326.42

208030

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

**GEOLOGIC REPORT**

LAYNE ENERGY  
Beurskens 13-21  
SW SW, 660 FSL, 660 FWL  
Section 21-T31S-R16E  
Montgomery County, KS

Spud Date: 8/11/2006  
Drilling Completed: 8/15/2006  
Logged: 8/16/2006  
A.P.I. #: 1512531144  
Ground Elevation: 785'  
Depth Driller: 1069'  
Depth Logger: 1072'  
Surface Casing: 8.625 inches at 46'  
Production Casing: 4.5 inches at 1055'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

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<b>Formation</b>	<b>Tops (in feet below ground level)</b>
Quaternary	Surface (Alluvium)
Pawnee Limestone	537
Excello Shale	680
"V" Shale	730
Mineral Coal	770
Mississippian	

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WICHITA, KS

12/06/06

**Layne Energy, Inc.**

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

December 6, 2006

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

**KCC**  
DEC 06 2006  
**CONFIDENTIAL**

Re: Well Completion Form

To Whom It May Concern:

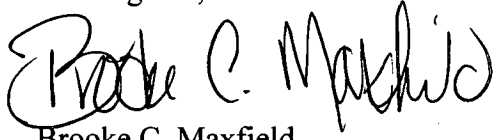
I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31144  
Beurskens 13-21

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



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