

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: \_\_\_\_\_

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. \_\_\_\_\_

8/4/2006	8/7/2006	9/14/2006
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31180-00-00  
County: Montgomery  
NE SW NW NE Sec. 31 Twp. 31 S. R. 15  East  West  
721 feet from S / N (circle one) Line of Section  
2031 feet from E W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Volz Well #: 2-31

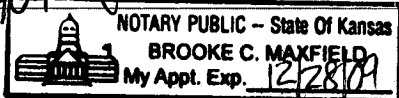
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 907 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1439 Plug Back Total Depth: 1434.8  
Amount of Surface Pipe Set and Cemented at 20' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1435  
feet depth to Surface w/ 145 sx cmt.

Drilling Fluid Management Plan ATTN 843-08  
(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: 11/30/06  
Subscribed and sworn to before me this 30 day of November  
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

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Operator Name: Layne Energy Operating, LLC Lease Name: Volz Well #: 2-31  
 Sec. 31 Twp. 31 S. R. 15  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	862 GL 45
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1010 GL -103
List All E. Logs Run:		V Shale	1060 GL -153
Compensated Density Neutron		Mineral Coal	1105 GL -198
Dual Induction		Mississippian	1361 GL -454

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CEMENTING 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	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1435'	Thick Set	145	

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
	See Attached		

TUBING RECORD Size 2 3/8" Set At 1353' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumerd Production, SWD or Enhr. 10/12/2006 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours Oil 0 Bbls. Gas 34 Mcf Water 34 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

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) \_\_\_\_\_

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**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** Volz 2-31  
Sec. 31 Twp. 31S Rng. 15E, Montgomery County  
**API:** 15-125-31180

<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1315-1317	Rowe - 3000# 20/40 sand, 229 bbls wtr, 200 gal 15% HCl acid	1315-1317

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# Daily Well Work Report

VOLZ 2-31  
8/4/2006

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**Well Location:**  
MONTGOMERY KS  
31S-15E-31 NW NE  
721FNL / 2031FEL

**Cost Center** G01014400100  
**Lease Number** G010144  
**Property Code** KSSY31S15E3102  
**API Number** 15-125-31180

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/4/2006	8/7/2006	9/14/2006	10/12/2006	10/12/2006	VOLZ_2_31

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size	Pump Seat Depth
1439	1434.8	20	1435			1435

<b>Reported By</b>	<b>Rig Number</b>	<b>Date</b>	8/4/2006
<b>Taken By</b>		<b>Down Time</b>	
<b>Present Operation</b>		<b>Contractor</b>	

## Narrative

MIRU Thornton drilling rig, drilled 11" hole 20'deep. Rih w/1 jts 8-5/8" surface casing. Mixed 4 sxs type 1 cement, dumped dn the backside. SDFN.

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**Cumulative Well Cost** \$ 63,152.00

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

KCC  
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TICKET NUMBER 10484  
 LOCATION FLORISSA  
 FOREMAN RICK LARFORD

**CONFIDENTIAL**  
 TREATMENT REPORT & FIELD TICKET  
 CEMENT

*10/2 2-31*

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-8-06	24158	<del>XXXXXXXXXX</del>				MG
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Layne Energy			446	TROY		
MAILING ADDRESS			502	CLIFF		
P.O. Box 1160						
CITY	STATE	ZIP CODE				
Sycamore	KS					

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1439 CASING SIZE & WEIGHT 4 1/2" 12.5"  
 CASING DEPTH 1435 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2# SLURRY VOL 46 bbls WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 22.8 bbls DISPLACEMENT PSI 800 RATE PSI 1300 RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break circulation w/ 25 bbls  
Fresh water. Pump 4 SKS Gel-flush, 1 SK Metasilicate Pre-flush, 13 bbl Dye water  
Mud 145 SKS Thickset cement w/ 10" Red-seal @ 13.2# @ 13.2# @ 13.2#  
Washout pump & lines. Release plug. Displace w/ 22.8 bbls fresh water. Final pump  
pressure 800 PSI. Bump plug to 1300 PSI. Wait 2 minutes. Release pressure.  
Float held. Good cement return to surface = 8 bbls slurry  
Job Complete Tear 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	3.15	126.00
1126A	145 SKS	Thick-set cement	14.65	2124.25
1110A	1450 #	Red-seal 10" @ 13.2#	.36	522.00
1118A	200 #	Gel-flush	.14	28.00
1111A	50 #	metasilicate Pre-flush	1.65	82.50
5407A	6.0	Ton-mileage - Bulk TRX	1.05	286.02
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
		Thank You		
		Sub total		4008.77
		SALES TAX 5.3%		148.23
		ESTIMATED TOTAL		4157.00

307948

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

**GEOLOGIC REPORT**

LAYNE ENERGY  
Volz 2-31  
NW NE, 721 FNL, 2031 FEL  
Section 31-T31S-R15E  
Montgomery County, KS

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Spud Date: 8/4/06  
Drilling Completed: 8/7/06  
Logged: 8/7/06  
A.P.I. #: 1512531180  
Ground Elevation: 907'  
Depth Driller: 1439'  
Depth Logger: 1438'  
Surface Casing: 8.625 inches at 40'  
Production Casing: 4.5 inches at 1435'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

<b>Formation</b>	<b>Tops (in feet below ground level)</b>
Lansing Group	Surface (Stoner Limestone Member)
Pawnee Limestone	862
Excello Shale	1,010
"V" Shale	1,060
Mineral Coal	1,105
Mississippian	1,361

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WICHITA, KS

*Layne Energy, Inc.*

11/30/08

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

November 30, 2006

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11-30-06  
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Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

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WICHITA, KS

Re: Well Completion Form

To Whom It May Concern:

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

API # 15-125-31180  
Volz 2-31

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*  
Brooke C. Maxfield

Enclosures

Cc Well File  
Field Office

