

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: 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. \_\_\_\_\_

<u>7/11/2006</u>	<u>7/13/2006</u>	<u>7/28/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31095 -00-00  
County: Montgomery  
NE SW SW Sec. 3 Twp. 31 S. R. 14  East  West  
1001 feet from  N (circle one) Line of Section  
678 feet from E /  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: McCabe Well #: 13-3  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 870 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1483 Plug Back Total Depth: 1477  
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 1477  
feet depth to Surface w/ 150 sx cmf.

Drilling Fluid Management Plan AIT INH 8-13-08  
(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: 11/7/2006  
Subscribed and sworn to before me this 7 day of November  
2006  
Notary Public: [Signature]  
Date Commission Expires: 12/28/09

**KCC Office Use ONLY**  
Y Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
NOV 08 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: McCabe Well #: 13-3  
 Sec. 3 Twp. 31 S. R. 14  East  West County: Montgomery

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**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>895 GL</td> <td>-25</td> </tr> <tr> <td>Excello Shale</td> <td>1027 GL</td> <td>-157</td> </tr> <tr> <td>V Shale</td> <td>1095 GL</td> <td>-225</td> </tr> <tr> <td>Mineral Coal</td> <td>1138 GL</td> <td>-268</td> </tr> <tr> <td>Mississippian</td> <td>1403 GL</td> <td>-533</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	895 GL	-25	Excello Shale	1027 GL	-157	V Shale	1095 GL	-225	Mineral Coal	1138 GL	-268	Mississippian	1403 GL	-533
Name	Top	Datum																	
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Mineral Coal	1138 GL	-268																	
Mississippian	1403 GL	-533																	

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	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1477'	Thick Set	150	

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		

TUBING RECORD	Size <b>2 3/8"</b>	Set At <b>1378'</b>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>9/2/2006</b>		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. <b>0</b>	Gas Mcf <b>32</b>	Water Bbls. <b>98</b>	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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**KANSAS CORPORATION COMMISSION**  
**NOV 08 2006**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** McCabe 13-3  
Sec. 3 Twp. 31S Rng. 14E, Montgomery County  
**API:** 15-125-31095

<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1354.5-1357	Riverton-8000# 20/40 sand, 300 bbls wtr, 400 gal 15% HCl acid	1354.5-1357
4	1138-1140, 1095-1099, 1077.5-1081	Mineral, Croweburg, Bevier-6100# 20/40 sand, 1000 gal 15% HCl acid, 527 bbls wtr	1077.5-1140
4	1027-1032.5, 1011.5-1015.5	Mulky, Summit-6700# 20/40 sand, 527 bbls wtr, 950 gal 15% HCl acid	1011.5-1032.5

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**NOV 08 2006**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

# GEOLOGIC REPORT

LAYNE ENERGY  
McCabe 13-3  
SW SW, 1001 FSL, 678 FWL  
Section 3-T31S-R14E  
Montgomery County, KS

KCC  
NOV 07 2006  
CONFIDENTIAL

Spud Date: 7/11/2006  
Drilling Completed: 7/13/2006  
Logged: 7/13/2006  
A.P.I. #: 1512531095  
Ground Elevation: 870'  
Depth Driller: 1483'  
Depth Logger: 1487'  
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

Quaternary  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

## Tops (in feet below ground level)

Surface (Alluvium)  
895  
1,027  
1,095  
1,138  
1,403

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NOV 08 2006  
CONSERVATION DIVISION  
WICHITA, KS



KCC

NOV 07 2006

CONSOLIDATED OIL WELL SERVICES, INC.

P.O. BOX 884, CHANUTE, KS 66720

620-431-9210 OR 800-467-8676

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TICKET NUMBER 10313

LOCATION EUREKA

FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET CEMENT

Table with columns: DATE, CUSTOMER #, WELL NAME & NUMBER, SECTION, TOWNSHIP, RANGE, COUNTY. Includes customer info for Layne Energy and truck driver details.

Table with columns: JOB TYPE, HOLE SIZE, HOLE DEPTH, CASING SIZE & WEIGHT, CASING DEPTH, DRILL PIPE, TUBING, OTHER, SLURRY WEIGHT, SLURRY VOL, WATER gal/sk, CEMENT LEFT in CASING, DISPLACEMENT, DISPLACEMENT PSI, PSI/100 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 water spacer, 10 BBL Metasilicate Pre Flush, 15 BBL Dye water. Mixed 150 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 600 PSI. Bump Plug to 1100 PSI. wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to SURFACE = 9 BBL Slurry. Job Complete. Rig down.

Table with columns: ACCOUNT CODE, QUANTITY or UNITS, DESCRIPTION of SERVICES or PRODUCT, UNIT PRICE, TOTAL. Includes items like PUMP CHARGE, MILEAGE, Thick Set Cement, Kol-Seal, Gel Flush, Metasilicate Pre Flush, Bulk Truck, Top Rubber Plug, and a RECEIVED stamp from the KANSAS CORPORATION COMMISSION dated NOV 08 2006.

AUTHORIZATION Called By John Ed TITLE DATE

11/7/08

*Layne Energy, Inc.*

4900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

November 7, 2006

**KCC**  
NOV 07 2006  
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Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

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KANSAS CORPORATION COMMISSION

**NOV 08 2006**

CONSERVATION DIVISION  
WICHITA, KS

Re: Well Completion Form

To Whom It May Concern:

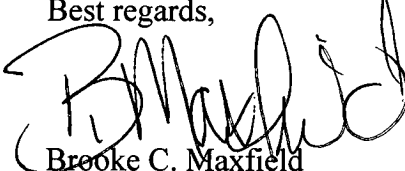
I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31095  
McCabe 13-3

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

