

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: Victor H. Dyal  
Phone: (913) 748-3987  
Contractor: Name: McPherson Drilling  
License: 5675  
Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     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. \_\_\_\_\_

7/13/2006    7/18/2006    9/12/2006  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 125-31091-00-00  
County: Montgomery

   -    -    SW SW Sec. 9 Twp. 31 S. R. 14  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: McCabe Well #: 13-9  
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 941 Kelly Bushing: \_\_\_\_\_

Total Depth: 1569 Plug Back Total Depth: 1561

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 1561  
feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan AH II NH 81508  
(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.

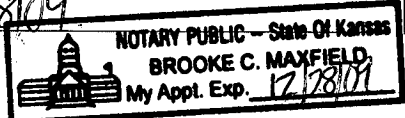
Signature: Victor H. Dyal

Title: Agent Date: 11/9/2006

Subscribed and sworn to before me this 9 day of November

20 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

Operator Name: Layne Energy Operating, LLC Lease Name: McCabe Well #: 13-9  
 Sec. 9 Twp. 31 S. R. 14  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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>989 GL</td> <td>-48</td> </tr> <tr> <td>Excello Shale</td> <td>1118 GL</td> <td>-177</td> </tr> <tr> <td>V Shale</td> <td>1186 GL</td> <td>-245</td> </tr> <tr> <td>Mineral Coal</td> <td>1232 GL</td> <td>-291</td> </tr> <tr> <td>Mississippian</td> <td>1491 GL</td> <td>-550</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Pawnee Lime	989 GL	-48	Excello Shale	1118 GL	-177	V Shale	1186 GL	-245	Mineral Coal	1232 GL	-291	Mississippian	1491 GL	-550
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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	8.65	24	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1561'	Thick Set	160	

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				

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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		

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**WICHITA, KS**

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	1482'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
10/6/2006			<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	0	11	98			

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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**CONSERVATION DIVISION**  
**WICHITA, KS**

**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** McCabe 13-9  
Sec. 9 Twp. 31S Rng. 14E, Montgomery County  
**API:** 15-125-31091

<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1449.5-1452	Rowe-2900# 20/40 sand, 245 bbls wtr, 300 gal 15% HCl acid	1449.5-1452
4	1231-1233, 1186-1189.5	Mineral, Croweburg-5700# 20/40 sand, 393 gal 15% HCl acid, 600 bbls wtr	1186-1233
4	1118-1123, 1003.5-1006.5, 849-851	Mulky, Summit, Laredo-10000# 20/40 sand, 585 bbls wtr, 1000 gal 15% HCl acid	849-1123

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**MORNING COMPLETION REPORT**

Report Called in by: JES

Report taken by: KRD

<b>LEASE NAME &amp; #</b>		<b>AFE#</b>	<b>DATE</b>	<b>DAYS</b>	<b>CIBP</b>	<b>PBTD</b>
MCCABE 13-9		G01015500300	7/13/2006	1	<b>DEPTH</b>	<b>TYPE FLUID</b>
<b>PRESENT OPERATION:</b>					<b>WT</b>	
<b>DRILL OUT FROM UNDER SURFACE</b>					<b>VIS</b>	
<b>DEEPEST CASING</b>	<b>LINERS OD TOP &amp; SHOE DEPTH</b>	<b>REPAIR DOWN TIME HRS</b>			<b>CONTRACTOR MOKAT</b>	
<b>OD SHOE DEPTH</b>	8 5/8" 24# J-55 -- Set 20'	<b>TEST PERFS</b>			<b>RIG NO BILLY</b>	
<b>PACKER OR ANCHOR</b>	<b>FISHING TOOLS</b>	<b>OD</b>	<b>ID</b>	<b>TO</b>	<b>SQUEEZED OR PLUG BACK PERFS</b>	
				TO	TO	
				TO	TO	
				TO	TO	
				TO	TO	
<b>HRS</b>	<b>BRIEF DESCRIPTION OF OPERATION</b>					
	MIRU MCPHERSON DRILLING, DRILLED 11" HOLE, 20' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING.					
	MIXED 4 SXS TYPE 1 CEMENT, DUMPED DN THE BACKSIDE, SDFN.					
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	WICHITA, KS					
<b>DAILY COST ANALYSIS</b>						

<b>RIG</b>	_____
<b>SUPERVISION</b>	200
<b>RENTALS</b>	_____
<b>SERVICES</b>	400
<b>MISC</b>	2280

DETAILS OF RENTALS, SERVICES, & MISC	
MOKAT DRILLING @ 6.50/ft	
MOKAT (CEMENT)	80
DIRTWORKS (LOC,RD, PIT)	400
SURFACE CASING	200
LAND/ LEGAL	2000

**DAILY TOTALS**      2880      **PREVIOUS TCTD**      \_\_\_\_\_      **TCTD**      2880

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TICKET NUMBER 10324

LOCATION EURKA

FOREMAN Kevin McCoy

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

**TREATMENT REPORT & FIELD TICKET  
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
7-19-06	4758	McCabe B-9				WILSON												
CUSTOMER <b>Layne Energy</b>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>Rick L.</td> <td></td> <td></td> </tr> <tr> <td>439</td> <td>Justin</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	Rick L.			439	Justin		
TRUCK #	DRIVER	TRUCK #					DRIVER											
445	Rick L.																	
439	Justin																	
MAILING ADDRESS P.O. Box 160																		
CITY Sycamore	STATE KS	ZIP CODE																

JOB TYPE Completion HOLE SIZE 6 3/4 HOLE DEPTH 1569 CASING SIZE & WEIGHT 4 1/2 10.5 # new  
 CASING DEPTH 1561 DRILL PIPE TUBING OTHER  
 SLURRY WEIGHT 13.2 # SLURRY VOL 50 BBL WATER gal/sk 8.0 CEMENT LEFT IN CASING 0'  
 DISPLACEMENT 24.8 # DISPLACEMENT PSI 700 PSI 1300 Bump Plug RATE

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 30 BBL  
Fresh water. Pump 4 sks Gel Flush, 5 BBL water spacer, 10 BBL Metasilicate  
Pre Flush, 16 BBL Dye water. Mixed 160 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/ 24.8 BBL Fresh water. Final Pumping Pressure 700 PSI.  
Bump Plug to 1200 PSI. wait 2 minutes. Release Pressure. Float Held.  
Good Cement Returns to Surface @ 9 BBL Slurry. Job Complete. Rig 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
1126 A	160 sks	Thick Set Cement	14.65	2344.00
1110 A	1600 #	KOL-SEAL 10 # Per/sk	.36 #	576.00
1118 A	200 #	Gel Flush	.14 #	28.00
1111 A	50 #	Metasilicate Pre Flush	1.65 #	82.50
5407 A	8.8 TONS	40 miles BULK TRUCK	1.05	369.60
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
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			Sub Total	4366.10
			SALES TAX 6.3%	193.44
			ESTIMATED TOTAL	4559.54

THANK YOU

307600

AUTHORIZATION Called By John Ed.

TITLE

DATE

# GEOLOGIC REPORT

LAYNE ENERGY  
McCabe 13-9  
SW SW, 660 FSL, 660 FWL  
Section 9-T31S-R14E  
Montgomery County, KS

Spud Date: 7/13/2006  
Drilling Completed: 7/18/2006  
Logged: 7/18/2006  
A.P.I. #: 1512531091  
Ground Elevation: 941'  
Depth Driller: 1569'  
Depth Logger: 1569'  
Surface Casing: 8.625 inches at 20'  
Production Casing: 4.5 inches at 1561'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

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## Formation

Douglas Group  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

## Tops (in feet below ground level)

Surface (Revard Sandstone Bed)  
989  
1,118  
1,186  
1,232  
1,491

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WICHITA, KS

*Layne Energy, Inc.*

11/09/08

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

November 9, 2006

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

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Re: Well Completion Form

To Whom It May Concern:

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

API # 15-125-31091  
McCabe 13-9

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

