

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: 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>7/20/2006</u>	<u>7/24/2006</u>	<u>9/11/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31089-0000  
County: Montgomery  
\_\_\_\_ SE SE Sec. 9 Twp. 31 S. R. 14  East  West  
660 feet from  N (circle one) Line of Section  
660 feet from  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: McCabe Well #: 16-9  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 867 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1487 Plug Back Total Depth: 1471  
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 1471  
feet depth to Surface w/ 145 sx cmf.

Drilling Fluid Management Plan AH II NH 8-18-08  
(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: 11/13/06  
Subscribed and sworn to before me this 13 day of November  
Brooke C. Maxfield  
Notary Public: \_\_\_\_\_  
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**  
**NOV 14 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 #: 16-9  
 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 <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	892 GL	25
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1024 GL	-157
List All E. Logs Run:		V Shale	1089 GL	-222
Compensated Density Neutron		Mineral Coal	1136 GL	-269
Dual Induction		Mississippian	1405 GL	-538

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	1471'	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 <i>(Amount and Kind of Material Used)</i>	Depth
	See Attached		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	1376'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
10/20/2006			<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	13	41			

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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**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** McCabe 16-9  
Sec. 9 Twp. 31S Rng. 14E, Montgomery County  
**API:** 15-125-31089

<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1351-1354.5, 1151.5-1153, 1136-1138	Rowe, Scammon A, Mineral-7400# 20/40 sand, 700 gal 15% HCl acid, 559 bbls wtr	1136-1154.5
4	1089-1093, 1070.5-1072.5	Croweburg, Bevier-6000# 20/40 sand, 600 gal 15% HCl acid, 406 bbls wtr	1070.5-1093
4	1023-1029.5, 1008.5-1012.5, 708-709.5	Mulky, Summit, Dawson-10100# 20/40 sand, 1000 gal 15% HCl acid, 633 bbls wtr	708-1029.5

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MORNING COMPLETION REPORT

Report Called in by: JES

Report taken by: KRD

LEASE NAME & #		AFE#	DATE	DAYS	CIBP	PBTD	
MCCABE 16-9		G01015500500	7/20/2006	1	DEPTH	TYPE FLUID	
PRESENT OPERATION:		DRILL OUT FROM UNDER SURFACE				WT	VIS
DEEPEST CASING	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS			CONTRACTOR MOKAT		
OD SHOE DEPTH	8 5/8" 24# J-55 -- Set 20'	TEST PERFS			RIG NO	BILLY	
PACKER OR ANCHOR	FISHING TOOLS OD ID	TO			SQUEEZED OR PLUG BACK PERFS		
		TO			TO		
		TO			TO		
		TO			TO		
		TO			TO		
HRS	BRIEF DESCRIPTION OF OPERATION						
	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.						
DAILY COST ANALYSIS							

RIG \_\_\_\_\_

SUPERVISION 200

RENTALS \_\_\_\_\_

SERVICES 400

MISC 2280

MOKAT DRILLING @ 6.50/r	
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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07-25-2006 07:29 GARY R MASI 6205935168

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

NOV 13 2006

TICKET NUMBER  
LOCATION EUREKA  
FOREMAN Kevin McCoy

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TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-24-06	4758	MCCABE 16-9				MG
CUSTOMER <u>Layne Energy</u>			Gus Jones R. 9 1			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>	STATE <u>Ks</u>	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			445	RICK L.		
			479	JUSTIN		

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1497' CASING SIZE & WEIGHT 4 1/2 10.5" New  
 CASING DEPTH 1471' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 # SLURRY VOL 45 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 23.4 BBL DISPLACEMENT PSI 600 PSI 1100 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, 15 BBL Dye water. Mixed 145 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/ 23.4 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.

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	145 sks	THICK Set Cement	14.65	2124.25
1110 A	1450 #	KOL-SEAL 10" per/sk	.36 #	522.00
1118 A	200 #	Gel Flush	.14 #	28.00
1111 A	50 #	Metasilicate Pre Flush	1.65 #	82.50
5407 A	7.97 hrs	40 miles BULK Truck	1.05	334.74
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
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			Sub Total	4057.49
		THANK YOU	5.3%	SALES TAX 148.23
			ESTIMATED TOTAL	4205.72

**GEOLOGIC REPORT**

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LAYNE ENERGY  
McCabe 16-9  
SE SE, 660 FSL, 660 FEL  
Section 9-T31S-R14E  
Montgomery County, KS

Spud Date: 7/20/2006  
Drilling Completed: 7/24/2006  
Logged: 7/24/2006  
A.P.I. #: 1512531089  
Ground Elevation: 867'  
Depth Driller: 1484'  
Depth Logger: 1487'  
Surface Casing: 8.625 inches at 20'  
Production Casing: 4.5 inches at 1471.2'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

**Formation**

**Tops (in feet below ground level)**

Quaternary	Surface (Alluvium)
Pawnee Limestone	892
Excello Shale	1,024
"V" Shale	1,089
Mineral Coal	1,136
Mississippian	1,405

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WICHITA, KS

*Layne Energy, Inc.*

11/03/08

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

November 13, 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:

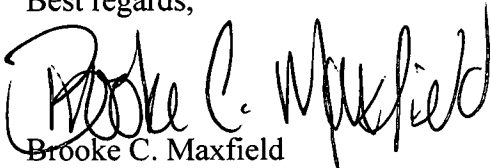
I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31089  
McCabe 16-9

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

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