

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

*Can  
not  
find  
log*

**WELL COMPLETION FORM**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

*7/01/11*

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Timothy H. Wright  
Phone: (913) 748-3960  
Contractor: Name: Thornton Air Rotary  
License: 33606

**CONFIDENTIAL**

*JUL 01 2009*

Wellsite Geologist: KCC  
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>3/16/2009</u>	<u>3/18/2009</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31816-00-00  
County: Montgomery  
SW SW SW Sec. 27 Twp. 31 S. R. 14  East  West  
362 feet from  N (circle one) Line of Section  
421 feet from E /  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: Daniels Well #: 13-27  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 877' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1512' Plug Back Total Depth: 1507'  
Amount of Surface Pipe Set and Cemented at 21 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1507  
feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan AH II NJ 7 27 09  
(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: Project Engineer Date: 7-1-09  
Subscribed and sworn to before me this 1 day of July,  
2009.  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2013

**MacLAUGHLIN DARLING**  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2013

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  No Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 C Distribution  
**RECEIVED**  
**JUL 02 2009**  
**KCC WICHITA**

Operator Name: Layne Energy Operating, LLC Lease Name: Daniels Well #: 13-27  
 Sec. 27 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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron  
 Dual Induction

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Pawnee Lime	910 GL	-33
Excello Shale	1047 GL	-170
V Shale	1100 GL	-223
Mineral Coal	1145 GL	-268
Mississippian	1432 GL	-555

**CASING RECORD**  New  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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	21'	Class A	4	Type 1 cement
Production	6.75"	4.5"	10.5	1507'	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				

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

RECEIVED  
 JUL 02 2009

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	------	--------	-----------	---

KCC WICHITA

Date of First, Resumerd Production, SWD or Enhr. Pending	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 Bbbs. <u>0</u> Gas Mcf Water Bbbs. 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) Waiting on completion

## GEOLOGIC REPORT

LAYNE ENERGY  
Daniels 13-27  
SW SW, 362 FSL, 421 FWL  
Section 27-T31S-R14E  
Montgomery County, KS

Spud Date: 3/16/2009  
Drilling Completed: 3/18/2009  
Logged: 3/18/2009  
A.P.I. #: 15125318500000  
Ground Elevation: 877  
Depth Driller: 1,512  
Depth Logger: 1,512  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1,507'  
Cemented Job:  
Open Hole Logs: High Resolution Compensated Density Sidewall  
Neutron Log; Dual Induction LL3/GR Log

Formation	Tops	
	(below ground)	(subsea)
	Surface (South	
	Bend Limestone	
Lansing Group	Member)	877
Pawnee Limestone	910	-33
Excello Shale	1,047	-170
"V" Shale	1,100	-223
Mineral Coal	1,145	-268
Mississippian	1,432	-555

RECEIVED  
JUL 02 2009  
KCC WICHITA

# Daily Well Work Report

DANIELS 13-27  
3/18/2009

**Well Location:**  
MONTGOMERY KS  
31S-14E-27 SW SW SW  
362FSL / 421FWL

**Cost Center** G01062400100  
**Lease Number** G010624  
**Property Code** KSSY31S14E2713  
**API Number** 15-125-31850

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnetiD
3/16/2009	3/18/2009				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1512	1507	21	1507	0	0

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 3/16/2009
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> DRILL OUT SURFACE		<b>Contractor</b> THORNTON DRILLING

## Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 21' DEEP, RIH W/1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.  
DWC:\$2880

RECEIVED  
JUL 02 2009  
KCC WICHITA



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

TICKET NUMBER 21085  
LOCATION EUREKA  
FOREMAN Rick Ledford

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
3-19-09	4258	Daniels 13-27				MG																
CUSTOMER <u>Layne Energy</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>Shannon</td> <td></td> <td></td> </tr> <tr> <td>515</td> <td>Chris</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Shannon			515	Chris						
TRUCK #	DRIVER	TRUCK #					DRIVER															
463	Shannon																					
515	Chris																					
MAILING ADDRESS <u>P.O. Box 160</u>																						
CITY <u>Sycamore</u>	STATE <u>Ks</u>	ZIP CODE																				

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1512' CASING SIZE & WEIGHT 4 1/2" 10.5"  
 CASING DEPTH 1507' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4" SLURRY VOL 49 bbl WATER gal/sk 2.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 24 bbl DISPLACEMENT PSI 700 ~~800~~ PSI 1100 RATE \_\_\_\_\_

REMARKS: Safety meeting- Rig up to 4 1/2" casing w/ washhead. Break circulation w/ 30 bbl fresh water washdown 20' to PSTD. Pump 10 sks gel-flush w/ hulls, 2 bbl water spacer, 10 bbl caustic soda pre-flush, 5 bbl water spacer. Mixed 160 sks thickset cement w/ 8" Kol-seal, 1/2" phenoxal, 1/2" FD-110 + 1/4" CAF-38 @ 13.4" flow. Washout pump + lines, shut down, release plug. Displace w/ 24 bbl fresh water. Final pump pressure 700 PSI. Pump plug to 1100 PSI. wait 2 minutes, release pressure, float held. Good cement returns to surface = 8 bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5401	1	PUMP CHARGE	870.00	870.00	
5406	40	MILEAGE	3.45	138.00	
1126A	160 sks	thickset cement	16.00	2560.00	
110A	1280"	8" Kol-seal <sup>pu</sup> /sk	.39	499.20	
1102A	20"	1/2" phenoxal <sup>pu</sup> /sk	1.08	21.60	
1135	80"	1/2" FD-110	7.05	564.00	
1146	40"	1/4" CAF-38	7.25	290.00	
RECEIVED					
1118A	500"	gel-flush	.16	80.00	
1105	50"	hulls	.37	18.50	
1103	100"	caustic soda	.85	85.00	
5402A	8.8	can-mileage bulk tax	1.16	408.32	
4404	1	4 1/2" top rubber plug	43.00	43.00	
				Subtotal	5577.62
				SALES TAX	200.00
				ESTIMATED TOTAL	5777.62

Form 3737

AUTHORIZATION Called by Muggor

229184  
TITLE Co. Mgr

DATE \_\_\_\_\_