

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

10/23/09

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: Timothy H. Wright  
Phone: (913) 748-3960  
Contractor: Name: Thornton Air Rotary  
License: 33606

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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. \_\_\_\_\_

<u>7/18/2007</u>	<u>7/19/2007</u>	<u>8/22/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31400-00-00  
County: Montgomery  
       -        - SW SE Sec. 33 Twp. 32 S. R. 16  East  West  
774 feet from (S) / N (circle one) Line of Section  
1383 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: DeMott Farms Well #: 15-33  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 763' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1144' Plug Back Total Depth: 1131'  
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 1131  
feet depth to Surface w/ 120 sx cmt.

Drilling Fluid Management Plan AKF NS 3-1009  
(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: 10-22-07  
Subscribed and sworn to before me this 22 day of October,  
2007.  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2009

**KCC Office Use ONLY**  
Y Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received **RECEIVED**  
 Geologist Report Received **KANSAS CORPORATION COMMISSION**  
 UIC Distribution **OCT 24 2007**

**MacLAUGHLIN DARLING**  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2009

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: DeMott Farms Well #: 15-33  
 Sec. 33 Twp. 32 S. R. 16  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	483 GL	280
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	646 GL	117
List All E. Logs Run:		V Shale	697 GL	66
Compensated Density Neutron		Mineral Coal	737 GL	26
Dual Induction		Mississippian	1071 GL	-308

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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"	8.625"	24	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1131'	Thick Set	120	#10 KOL seal @ sx

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 Page		

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>1039'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>9/6/2007</u>		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>2</u>	Water Bbls. <u>2</u>	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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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	DeMott Farms 15-33		
	Sec.33 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31400-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations</b>			
4	Rowe 996.5' - 998.5'	2700 lbs 20/40 sand 242 bbls water 400 gals 15% HCl acid	996.5' - 998.5'
4	Mineral 736.5' - 738' V-Shale 698' - 700'	4800 lbs 20/40 sand 400 bbls water 454 gals 15% HCl acid	698' - 738'
4	Iron Post 670.5' - 672' Mulky 646' - 651' Summit 617' - 620'	9300 lbs 20/40 sand 649 bbls water 684 gals 15% HCl acid	617' - 672'

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

OCT 23 2007

TICKET NUMBER 12137

LOCATION EUREKA

FOREMAN RICK LORRAN

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TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
7-20-07	4758	DeMott 15-33				Mc	
CUSTOMER Layne Energy			Gus Jones				
MAILING ADDRESS P.O. Box 1100							
CITY Sycamore		STATE KS	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
				463	Kyle		
				515	Cabin		

JOB TYPE logstring HOLE SIZE 6 3/4" HOLE DEPTH 1144' CASING SIZE & WEIGHT 4 1/2" 16.5"  
 CASING DEPTH 1131' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2" SLURRY VOL 370bl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 18 Db1 DISPLACEMENT PSI 500 ~~900~~ PSI 900 RATE \_\_\_\_\_

REMARKS: Safety meeting- Rig up to 4 1/2" casing. Break circulation w/ 25 bbl fresh water. Pump 2 sks gel-flush w/ bulls, 10 bbl water spacer, 20 bbl metasilicate pre-flush, 9 bbl dye water. Mixed 120 sks thickset cement w/ 10" Kal-seal @ 13.2" gal. Washout pump + lines, shut down release plug. Displace w/ 18 bbl fresh water. Final pump pressure 900 psi. Pump plug to 900 psi, wait 2 minutes, release pressure, float held. Good cement returns to surface = 7 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	840.00	840.00
5406	2	MILEAGE 2 <sup>nd</sup> well	0	0
1126A	120 SKS	thickset cement	15.40	1848.00
1110A	1200"	Kal-seal 10" @ 1/2"	.38	456.00
1118A	400"	gel-flush	.15	60.00
1105	50"	bulls	.36	18.00
1102	80"	oacle	.67	53.60
1111A	100"	metasilicate pre-flush	1.65	165.00
5407A	6.6	con. mileage bulk tri	1.10	72.60
4404	1	4 1/2" top rubber plug	40.00	40.00
4129	6	4 1/2" centralizer	36.00	216.00
4156	1	4 1/2" flopper valve float shoe	208.00	208.00
			Subtotal	4195.00
			SALES TAX 5.33	162.42
			ESTIMATED TOTAL	4357.42

AUTHORIZATION called by Muggel TITLE Co. Rep. DATE \_\_\_\_\_  
 214808  
 4357.42

# GEOLOGIC REPORT

LAYNE ENERGY  
DeMott Farms 15-33  
SW SE, 774 FSL, 1383 FEL  
Section 33-T32S-R16E  
Montgomery County, KS

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Spud Date: 7/18/2007  
Drilling Completed: 7/19/2007  
Logged: 7/19/2007  
A.P.I. #: 15125314000000  
Ground Elevation: 763  
Depth Driller: 1144  
Depth Logger: 1142  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1131'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

## Formation

	Tops	
	(below ground)	(subsea)
Quaternary	Alluvium	763
Pawnee Limestone	483	280
Excello Shale	646	117
"V" Shale	697	66
Mineral Coal	737	26
Mississippian	1,071	-308

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# Daily Well Work Report

DEMOTT FARMS 15-33

7/19/2007

**Well Location:**  
MONTGOMERY KS  
32S-16E-33 SW SE  
774FSL / 1383FEL

**Cost Center** C01013400200  
**Lease Number** C010134  
**Property Code** COLT-0080  
**API Number** 15-125-31400

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
7/18/2007	7/19/2007	8/22/2007	9/6/2007	9/6/2007	DEMOTT_15_33

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1144	1131	20	1131		

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 7/18/2007
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> Drill out from Under surface		<b>Contractor</b> Thornton Drilling

### Narrative

Miru Thornton Drilling, drilled 11" hole, 20' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.  
DWC: \$ 2,880

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