

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

1/3/09  
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  
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>9/7/2007</u>	<u>9/10/2007</u>	<u>10/12/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31429-00-00  
County: Montgomery  
NE NE NW Sec. 5 Twp. 33 S. R. 15  East  West  
409 feet from S /  (circle one) Line of Section  
2305 feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: DeMott Farms Well #: 3-5  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 838' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1400' Plug Back Total Depth: 1389'  
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 1389  
feet depth to Surface w/ 110 sx cmt.

Drilling Fluid Management Plan AU II NH 9-9-08  
(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: 1-3-08  
Subscribed and sworn to before me this 3 day of January  
20 08  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2009



**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
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**JAN 04 2008**

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Operator Name: Layne Energy Operating, LLC Lease Name: DeMott Farms Well #: 3-5  
 Sec. 5 Twp. 33 S. R. 15  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	749 GL	89
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	908 GL	-70
List All E. Logs Run:		V-Shale	953 GL	-115
Compensated Density Neutron		Mineral Coal	998 GL	-160
Dual Induction		Mississippian	1299 GL	-461

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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1389'	Thick Set	110	#10 KOL seal @ sx

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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>1013'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>Pending</b>		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 Bbls.	Gas Mcf	Water Bbls.	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) \_\_\_\_\_

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CONSERVATION DIVISION  
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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	DeMott Farms 3-5		
	Sec. 5 Twp. 33S Rng. 15E, Montgomery County		
<b>API:</b>	15-125-31429-00-00		
<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	Iron Post 930' - 932' Mulky 908' - 914' Summit 878' - 882'	3800 lbs 20/40 sand 362 bbls water 1100 gals 15% HCl acid	878' - 932'

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WICHITA, KS

# Layne Energy, Inc.

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

January 3, 2008

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

Re: Well Completion Form

Dear Mr. Bond:

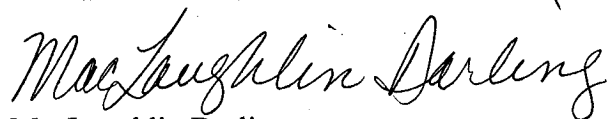
I have enclosed the ACO-1 form and associated data for the following well:

API # 15-125-31429-00-00  
DeMott Farms 3-5

We respectfully request that all information submitted be kept confidential. 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, please contact me at (913) 748-3960.

Sincerely,



MacLaughlin Darling  
Engineering Technician

Enclosures

cc: Well File  
Field Office

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# Daily Well Work Report

DEMOTT FARMS 3-5

9/7/2007

**Well Location:**  
MONTGOMERY KS  
33S-15E-5 NE NE NW  
409FNL / 2305FWL

**Cost Center** C01013300400  
**Lease Number** C010133  
**Property Code** KSCV33S15E0503  
**API Number** 15-125-31429

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
9/7/2007	9/10/2007	10/12/2007		10/19/2007	DEMOTT_3_5

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1400	1389	21	1389	0	0

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 9/7/2007
<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, 21' 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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**GEOLOGIC REPORT**

LAYNE ENERGY  
DeMott Farms 3-5  
NE NW, 409 FNL, 2305 FWL  
Section 5-T33S-R15E  
Montgomery County, KS

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Spud Date: 9/7/2007  
Drilling Completed: 9/10/2007  
Logged: 9/10/2007  
A.P.I. #: 15125314290000  
Ground Elevation: 838'  
Depth Driller: 1400'  
Depth Logger: 1400'  
Surface Casing: 8.625 inches at 21'  
Production Casing: inches at '  
Cemented Job: 0  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

Formation	Tops	
	(below ground)	(subsea)
	Surface (Vilas Shale)	838
Lansing Group		
Pawnee Limestone	749	89
Excello Shale	908	-70
"V" Shale	953	-115
Mineral Coal	998	-160
Mississippian	1,299	-461

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1-800-794-0187  
Fax 1-316-321-4720  
2510 W. 6TH ST.  
EL DORADO, KANSAS 67042

8016

DATE 9-12-07

COUNTY Montgomery CITY Independence

CHARGE TO Layne Energy  
ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
LEASE & WELL NO. Demott 3-S CONTRACTOR \_\_\_\_\_  
KIND OF JOB Production SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_  
DIR. TO LOC. \_\_\_\_\_ OLD NEW

Quantity	MATERIAL USED	Serv. Charge	
110 SK	USC #1		
4 gal	KCL		
	Water Truck		
	Water Truck Mileage		
	BULK CHARGE		
	BULK TRK. MILES		
	PUMP TRK. MILES		
1 ea	PLUGS 4 1/2 TOP Rubber		
		SALES TAX	
		TOTAL	

T.D. 1400 ft CSG. SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
SIZE HOLE 6 3/4 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
MAX. PRESS. \_\_\_\_\_ SIZE PIPE 4 1/2  
PLUG DEPTH \_\_\_\_\_ PKER DEPTH \_\_\_\_\_  
PLUG USED \_\_\_\_\_ TIME ON LOCATION \_\_\_\_\_ TIME FINISHED \_\_\_\_\_

REMARKS: Pump 30 bbl of KCL water ahead - mixed 110 SK USC #1 and displaced w/ 22 bbl H2O plug landed floats held - didn't circulate cement to surface

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EQUIPMENT USED  
NAME \_\_\_\_\_ UNIT NO. \_\_\_\_\_ NAME \_\_\_\_\_ UNIT NO. \_\_\_\_\_  
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CEMENTER OR TREATER \_\_\_\_\_ OWNER'S REP. \_\_\_\_\_



# United Cementing and Acid Co., Inc.

316-321-4680 • 800-794-0187  
FAX 316-321-4720

2510 W. 6th Street • El Dorado, KS 67042

## ACID / CEMENTING LOG

Date 9-13-07 District \_\_\_\_\_ Ticket No. 9010  
Company Lozac Energy Rig \_\_\_\_\_  
Lease DEMOTT 3-5 Well No. \_\_\_\_\_  
County \_\_\_\_\_ State \_\_\_\_\_  
Location \_\_\_\_\_ Field \_\_\_\_\_

CASING DATA:  PTA  Squeeze  Acid  Mini Frac  
 Surface  Intermediate  Production  Liner  
Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

**CAPACITY FACTORS:**

Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
Tubing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_  
Packer Setting: \_\_\_\_\_ B-Plug Depth \_\_\_\_\_

CEMENT DATA: KCL Water  
Spacer Type: \_\_\_\_\_  
Amt. \_\_\_\_\_ Skg Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
USC # 110SK Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Skg Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Skg Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

WATER: Lead \_\_\_\_\_ gals/sk Toll \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls \_\_\_\_\_

Acid Type \_\_\_\_\_

Pump Truck Used CONFIDENTIAL

Bulk Equipment \_\_\_\_\_

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Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type KCC Depth \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_

Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG \_\_\_\_\_

Flush Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG \_\_\_\_\_

COMPANY REPRESENTATIVE Tim Wright

CEMENTER/TREATER Jason Benbow

TIME AM / PM	PRESSURES PSI		FLOID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:30						on location
10:25						Rig up
10:46						Start KCL spacer
11:04						End KCL spacer total 30861
						Hole circulating
11:07						Start cement 110SK USC #1
11:32						End cement - Washup pump and lines
11:32						Start Displacement Drop plug
11:47						End Displacement total 22661 H <sub>2</sub> O
						plug landed floats held - cement not
						circulated to surface - Tim will
						wait to do bond log next

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FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs.  
ISIP \_\_\_\_\_ PSI 5 MIN \_\_\_\_\_ PSI 10 MIN \_\_\_\_\_ PSI 15 MIN \_\_\_\_\_ PSI