

7/9/09

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

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

API No. 15 - 125-31307-00-00  
County: Montgomery  
NW SE Sec. 19 Twp. 31 S. R. 16  East  West  
788 feet from (S) N (circle one) Line of Section  
1314 feet from (E) W (circle one) Line of Section

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)

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Sears Well #: 15-19  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 824' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1187' Plug Back Total Depth: 1181'  
Amount of Surface Pipe Set and Cemented at 22' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1181'  
feet depth to Surface w/ 125 sx cmt.

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. \_\_\_\_\_

**Drilling Fluid Management Plan** Alt II NS 1-2009  
(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.: \_\_\_\_\_

3/14/2007 3/15/2007  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

**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: MS Natrass  
Title: Agent Date: 7/9/07  
Subscribed and sworn to before me this 9 day of July  
20 07  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 7/4/2009

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received **RECEIVED**  
 UIC Distribution **KANSAS CORPORATION COMMISSION**  
**JUL 10 2007**



Operator Name: Layne Energy Operating, LLC Lease Name: Sears Well #: 15-19  
 Sec. 19 Twp. 31 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 <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	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>552 GL</td> <td>272</td> </tr> <tr> <td>Excello Shale</td> <td>695 GL</td> <td>129</td> </tr> <tr> <td>V Shale</td> <td>743 GL</td> <td>81</td> </tr> <tr> <td>Mineral Coal</td> <td>781 GL</td> <td>43</td> </tr> <tr> <td>Mississippian</td> <td>1100 GL</td> <td>-276</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	552 GL	272	Excello Shale	695 GL	129	V Shale	743 GL	81	Mineral Coal	781 GL	43	Mississippian	1100 GL	-276
Name	Top	Datum																	
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**KCC**  
**JUL 09 2007**  
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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	22'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1181'	Thick Set	125	

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>
	SI-waiting on completion	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. SI-waiting on pipeline			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  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*      METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**JUL 10 2007**  
 CONSERVATION DIVISION  
 WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, LLC  
 P.O. BOX 884, CHANUTE, KS 65720  
 620-431-9210 OR 800-487-8676

KCC  
 JUL 09 2007  
 CONFIDENTIAL

TICKET NUMBER 17073  
 LOCATION EUREKA  
 FOREMAN RICK LEBLANC

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
3-16-07	4258	SCARS 15-19				MG	
CUSTOMER Layne Energy			TRUCK #	DRIVER	TRUCK #	DRIVER	
MAILING ADDRESS P.O. Box 160			463	Kyle			
CITY Sycamore			479	JACK			
STATE KS		ZIP CODE					
JOB TYPE	LOGGING	HOLE SIZE	6 7/8"	HOLE DEPTH	1197'	CASING SIZE & WEIGHT	4 1/2" 16.5#
CASING DEPTH	1181'	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	13.2#	SLURRY VOL	39 bbl	WATER gal/sk	8.0	CEMENT LEFT IN CASING	0'
DISPLACEMENT	18 3/4 bbl	DISPLACEMENT PSI	600	PSI	1100	RATE	

REMARKS: Safety meeting - Rig up to 4 1/2" casing. Break circulation w/ 25 bbl fresh water. Pump 4 sacs gel-flush, 1 sac metasilicate pre-flush, 20 bbl water spacer, 10 bbl dye water. Mixed 125 sacs thickset cement w/ 10" Kel-seal 10# @ 13.2# / gal. Washout pump & lines, shut down, release plug. Displace w/ 18 3/4 bbl fresh water. Final pump pressure 600 PSI. Pump plug to 100 PSI, wait 2 min, release pressure, float hold. 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	40	MILEAGE	3.30	132.00
1126A	125 sacs	thickset cement	15.40	1925.00
1110A	1250#	Kel-seal 10# @ 13.2# / gal	.38	475.00
1118A	200#	gel-flush	.15	30.00
1111A	50#	metasilicate pre-flush	1.65	82.50
5407A	6.00	ton-mileage bulk tax	1.10	302.72
4404	1	4 1/2" top rubber plug	40.00	40.00
RECEIVED KANSAS CORPORATION COMMISSION				
JUL 10 2007				
CONSERVATION DIVISION WICHITA, KS				
			Subtotal	3827.22
			5.3%	SALES TAX 135.29
			ESTIMATED TOTAL	3962.51

012414

AUTHORIZATION \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

# GEOLOGIC REPORT

LAYNE ENERGY  
Sears 15-19  
SW SE, 788 FSL, 1314 FEL  
Section 19-T31S-R16E  
Montgomery County, KS

**KCC**  
JUL 09 2007  
**CONFIDENTIAL**

Spud Date: 3/14/2007  
Drilling Completed: 3/15/2007  
Logged: 3/15/2007  
A.P.I. #: 15125313070000  
Ground Elevation: 824'  
Depth Driller: 1187'  
Depth Logger: 1186'  
Surface Casing: 8.625 inches at 22.3'  
Production Casing: 4.5 inches at 1181'  
Cemented Job: 0  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

## Formation

	Tops	
	(below ground)	(subsea)
Kansas City Group	Surface (Cottage	
Pawnee Limestone	Grove Sandstone)	824
Excello Shale	552	272
"V" Shale	695	129
Mineral Coal	743	81
Mississippian	781	43
	1,100	-276

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