

**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: Timothy H. Wright  
Phone: ( 913 ) 748-3960  
Contractor: Name: MoKat  
License: 5831

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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>8/13/2008</u>	<u>8/15/2008</u>	<u>11/6/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27607-00-00  
County: Wilson  
   N2    SW    SE Sec. 5 Twp. 30 S. R. 16  East  West  
887 feet from  S/ N (circle one) Line of Section  
1859 feet from  E/ W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: Hoesli Well #: 15-5  
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals  
Elevation: Ground: 827' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1112' Plug Back Total Depth: 1109'  
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 1109  
feet depth to Surface w/ 155 <sup>sx crit.</sup>

*Alt 2-Dlg - 1/16/09*

**Drilling Fluid Management Plan**  
(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: \_\_\_\_\_  
Title: Project Engineer Date: 11/25/08

Subscribed and sworn to before me this 25 day of November,  
2008.

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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Operator Name: Layne Energy Operating, LLC Lease Name: Hoesli Well #: 15-5  
 Sec. 5 Twp. 30 S. R. 16  East  West County: Wilson

**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	557 GL	270
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	695 GL	132
List All E. Logs Run:		V-Shale	767 GL	60
Compensated Density Neutron		Mineral Coal	808 GL	19
Dual Induction		Mississippian	1078 GL	-251

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	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1109'	Thick Set	155	50/50 posmix w/2% gel

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		

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TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>994'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CONSERVATION DIVISION WICHITA, KS
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. <u>0</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	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) \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Hoesli 15-5		
	Sec. 5 Twp. 30S Rng. 16E, Wilson County		
<b>API:</b>	15-205-27607-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations (November 2008)</b>			
4	Riverton 1062' - 1063.5'	2600 lbs 20/40 sand 216 bbls water 300 gals 15% HCl acid	1062' - 1063.5'
4	Weir 924.5' - 926.5'	2300 lbs 20/40 sand 198 bbls water 300 gals 15% HCl acid	924.5' - 926.5'
4	Tebo 869' - 870.5' Mineral 807' - 809'	5100 lbs 20/40 sand 353 bbls water 350 gals 15% HCl acid	807' - 870.5'

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**CONSOLIDATED**  
Oil Well Services, L.L.C.

*Ku*  
*M*  
*11/26/08*

**ENTERED**

TICKET NUMBER **19197**  
LOCATION **EURKA**  
FOREMAN **Rick Lafford**

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-18-08	4758	Hoxels 15-5				Wilson
CUSTOMER		Layne Energy Hoxels		Gus Jones		
MAILING ADDRESS		P.O. Box 160		TRUCK #	DRIVER	TRUCK #
CITY		STATE	ZIP CODE	463	Shannon	NOV 25 2008
Sycamore		KS		479	David	<b>CONFIDENTIAL</b>

JOB TYPE long string HOLE SIZE 6 3/4" HOLE DEPTH 1113' CASING SIZE & WEIGHT 4 1/2" 10.5"  
 CASING DEPTH 1109' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13 9" SLURRY VOL 39 bbl WATER gal/sk 6' CEMENT LEFT in CASING 0'  
 DISPLACEMENT 17.6 bbl DISPLACEMENT-PSI 500 PSI 900 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 25 bbl fresh water. Washdown 30' to T.D. Pump 45 bbl water ahead. Pump 6 sacks gel-flush w/ bulls, 20 bbl water spacer. Mixed 155 sacks 50/50 Perm cement w/ 270 gal, 270 sacks, 4" Kal-seal, 3" cal-seal, 1/2" phosoral, 1/2" 70 FI-110 + 44 70 CAF-38 @ 189 PSI. yield 1.0. Washout pump + lines, shut down, release plug. Displace w/ 17.6 bbl fresh water. Final pump pressure 500 PSI. Pump plug to 900 PSI. wait 2 minutes, release pressure, float held. Cement mortar 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	925.00	925.00
5406	0	MILEAGE 2 <sup>nd</sup> well of 2	n/c	n/c
1124	155 sacks	50/50 Perm cement	9.25	1511.25
1102	260 <sup>#</sup>	270 coex2	.75	195.00
1118A	260 <sup>#</sup>	270 gel	.17	44.20
1110A	620 <sup>#</sup>	4" Kal-seal <sup>100/50</sup>	.42	260.40
1101	465 <sup>#</sup>	3" cal-seal <sup>100/50</sup>	.36	167.40
1107A	19 <sup>#</sup>	1/2" phosoral <sup>100/50</sup>	1.15	21.85
1135	78 <sup>#</sup>	1/2" 70 FI-110	7.50	585.00
1146	39 <sup>#</sup>	1/4" 70 CAF-38	7.70	300.30
1118A	300 <sup>#</sup>	gel-flush	.17	51.00
1105	50 <sup>#</sup>	bulls	.39	19.50
5407A	6.5'	ten mileage bulk truck	n/c	315.00
4404	1	4 1/2" top rubber plug	45.00	45.00
5605A	4 hrs	welder	85.00	340.00
4311	1	4 1/2" weld on collar	60.00	60.00
			subtotal	4840.90
			6.39% SALES TAX	205.46
			ESTIMATED TOTAL	5046.36

Ravin 3737

AUTHORIZATION

*Jerry McCluskey*

TITLE

004851

DATE

**GEOLOGIC REPORT**

LAYNE ENERGY  
Hoesli 15-5  
SW SE, 887 FSL, 1859 FEL  
Section 5-T30S-R16E  
WILSON County, KS

Spud Date: 8/13/2008  
Drilling Completed: 8/15/2008  
Logged: 8/15/2008  
A.P.I. #: 15205276070000  
Ground Elevation: 827'  
Depth Driller: 1112'  
Depth Logger: 1112'  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1109'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, Litho Density /  
Neutron Logs

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<b>Formation</b>	<b>Tops</b>	
	<b>(below ground)</b>	<b>(subsea)</b>
	Surface (Bonner Springs Shale)	827
Kansas City Group		
Pawnee Limestone	557	270
Excello Shale	695	132
"V" Shale	767	60
Mineral Coal	808	19
Mississippian	1,078	-251

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WICHITA, KS

# Daily Well Work Report

HOESLI 15-5  
8/15/2008

**Well Location:**  
WILSON KS  
30S-16E-5 N2 SW SE  
887FSL / 1859FEL

**Cost Center** C01026700100  
**Lease Number** C010267  
**Property Code** KSCV30S16E0515  
**API Number** 15-205-27607

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/13/2008	8/15/2008				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1112	1109	21	1109	0	0

<b>Reported By</b> KRD	<b>Rig Number</b>	<b>Date</b> 8/13/2008
<b>Taken By</b> KRD		<b>Down Time</b>
<b>Present Operation</b> DRILL OUT SURFACE		<b>Contractor</b> MOKAT DRILLING

## Narrative

MIRU MOKAT 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

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