

**CONFIDENTIAL**

**ORIGINAL**

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

Form ACO-1  
September 1999  
Form Must Be Typed

11/25/10

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 Drilling  
 License: 5831  
 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>8/20/2008</u>	<u>8/21/2008</u>	<u>9/22/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 125-31648-00-00  
 County: Montgomery  
S2 - S2 - SE Sec. 30 Twp. 31 S. R. 17  East  West  
249 feet from  N (circle one) Line of Section  
2310 feet from  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE  SE NW SW  
 Lease Name: Blaes Well #: 15-30  
 Field Name: Cherokee Basin Coal Area  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 797' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1081' Plug Back Total Depth: 1078'  
 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 1078  
 feet depth to Surface w/ 155 <sup>sq cm.</sup>

**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.: \_\_\_\_\_

AH2-Dlg-11/6/09

**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

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

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Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Blaes Well #: 15-30  
 Sec. 30 Twp. 31 S. R. 17  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 border="0" style="width:100%"> <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>465 GL</td> <td>332</td> </tr> <tr> <td>Excello Shale</td> <td>605 GL</td> <td>192</td> </tr> <tr> <td>V-Shale</td> <td>659 GL</td> <td>138</td> </tr> <tr> <td>Mineral Coal</td> <td>702 GL</td> <td>95</td> </tr> <tr> <td>Mississippian</td> <td>1006 GL</td> <td>-209</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	465 GL	332	Excello Shale	605 GL	192	V-Shale	659 GL	138	Mineral Coal	702 GL	95	Mississippian	1006 GL	-209
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Mississippian	1006 GL	-209																	

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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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	22'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1078'	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 (Amount and Kind of Material Used)	Depth
	See Attached Page		

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TUBING RECORD		Size	Set At	Packer At	Liner Run	CONSERVATION DIVISION WICHITA, KS	
		2-3/8"	1117'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method					
9/26/2008		<input type="checkbox"/> Flowing <input checked="" 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		
	0	39	0				

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 \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Blaes 15-30		
	Sec. 30 Twp. 31S Rng. 17E, Montgomery County		
<b>API:</b>	15-125-31648-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations (September 2008)</b>			
4	Neutral 947.5' - 949' Rowe 940' - 941.5'	5300 lbs 20/40 sand 356 bbls water 350 gals 15% HCl acid	940' - 949'
4	Bluejacket 831' - 832.5' Weir 813' - 814.5'	5100 lbs 20/40 sand 321 bbls water 400 gals 15% HCl acid	813' - 832.5'
4	Tebo 780' - 781.5'	2400 lbs 20/40 sand 185 bbls water 200 gals 15% HCl acid	780' - 781.5'
4	Mineral 702' - 703.5' Fleming 672.5' - 673.5' Croweburg 659' - 662' Bevier 637.5' - 639.5'	11900 lbs 20/40 sand 654 bbls water 550 gals 15% HCl acid	637.5' - 703.5'
4	Mulky 606' - 610.5'	6000 lbs 20/40 sand 242 bbls water 200 gals 15% HCl acid	606' - 610.5'
4	Lexington 504' - 506.5'	3100 lbs 20/40 sand 169 bbls water 200 gals 15% HCl acid	504' - 506.5'

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WICHITA, KS

**GEOLOGIC REPORT**

LAYNE ENERGY  
Blaes 15-30  
SW SE, 249 FSL, 2310 FEL  
Section 30-T31S-R17E  
Montgomery County, KS

Spud Date: 8/20/2008  
Drilling Completed: 8/21/2008  
Logged: 8/22/2008  
A.P.I. #: 15125316480000  
Ground Elevation: 797'  
Depth Driller: 1081'  
Depth Logger: 1081'  
Surface Casing: 8.625 inches at 22'  
Production Casing: 4.5 inches at 1078'  
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>
Quaternary	Surface (Alluvium)	797
Pawnee Limestone	465	332
Excello Shale	605	192
"V" Shale	659	138
Mineral Coal	702	95
Mississippian	1,006	-209

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WICHITA, KS

# Daily Well Work Report

BLAES 15-30  
8/20/2008

**Well Location:**  
MONTGOMERY KS  
31S-17E-30 SE S2 S2  
249FSL / 2310FEL

**Cost Center** C01034200100  
**Lease Number** C010342  
**Property Code** KSCV31S17E3015  
**API Number** 15-125-31648

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnelID
8/20/2008	8/21/2008	9/22/2008	9/26/2008	9/26/2008	BLAES_15_30

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1081	1045	22	1078	0	0

<b>Reported By</b> KRD	<b>Rig Number</b>	<b>Date</b> 8/20/2008
<b>Taken By</b> KRD		<b>Down Time</b>
<b>Present Operation</b> DRILL OUT SURFACE		<b>Contractor</b> MOKAT

## Narrative

MIRU MOKAT DRILLING, DRILLED 11" HOLE, 22' 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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ENTERED

TICKET NUMBER 19218  
 LOCATION Eureka Ks  
 FOREMAN Troy Strickler

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																
8-22-08	4758	Blaes 1530				MC																
CUSTOMER Layne Energy			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK#</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>520</td> <td>Cliff</td> <td></td> <td></td> </tr> <tr> <td>502</td> <td>Philip</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK#	DRIVER	520	Cliff			502	Philip						
TRUCK #	DRIVER	TRUCK#					DRIVER															
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502	Philip																					
MAILING ADDRESS P.O. Box 160																						
CITY Sycamore		STATE Ks	ZIP CODE																			
CITY			Gus Jones																			

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1081' CASING SIZE & WEIGHT 4 1/2" x 10.5#  
 CASING DEPTH 1078' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9# SLURRY VOL 38.6 bbl WATER gal/sk 6.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 17.4 DISPLACEMENT PSI 500 Rate Psi 1000 RATE \_\_\_\_\_

REMARKS: Safety Meeting. Rig up to 4 1/2" casing. Break circulation w/70 bbl Fresh water. Pump 10 sks Gel Flush w/hulls. 5 bbl water spacer. Mixed 155 sks 50/50 Poz mix Cement w/2% Calc, 2% Gel, 4# Kol-Seal, 3# Cal-Seal, 1# pheno-seal 1/2% FL-110, 1/4% CAF-38 @ 13.9 # yield 1.40 wash out pump and lines Release plug, displace w/17.4 bbl fresh water. Final pumping pressure 500 psi bump plug to 1000psi wait 2min Release pressure. Float held. Good cement to surface, 8 bbl Slurry to pt. Job Complete. Rig Down

"Thank You"

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1124	155 sks	50/50 Pozmix Cement	9.75	1511.25
1102	260#	2% Calc	.75	195.00
1118A	260#	2% Gel	.17	44.20
1110A	620#	4# Kol-Seal	.42	260.40
1101	465#	3# Cal-Seal	.36	167.40
1107A	19#	1/8# pheno-seal	1.15	21.85
1135	65#	1/2% FL-110	7.50	487.50
1146	33#	1/4% CAF-38	7.70	254.10
1118A	300#	Gel Flush	.17	51.00
1105	50#	Hulls	.37	19.50
5407A	65/Ton	Ton-mileage Bulk truck	1.20	312.48
4404	1	4 1/2" Top Rubber Plug	45.00	45.00
5405A	4 hrs	Welder	85.00	340.00
			Subtotal	4780.68
			SALES TAX 5.3%	162.04
			ESTIMATED TOTAL	4942.72

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