

CONFIDENTIAL

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

8/26/10

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: Thornton Air Rotary  
License: 33606

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion: AUG 26 2008  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic Protection)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_ AUG 27 2008  
Well Name: \_\_\_\_\_ CONSERVATION DIVISION WICHITA, KS  
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>5/29/2008</u>	<u>6/2/2008</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31623-00-00  
County: Montgomery  
\_\_\_\_ - \_\_\_\_ - NW - NW Sec. 18 Twp. 32 S. R. 17  East  West  
343 feet from S /  (circle one) Line of Section  
1793 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Blome Well #: 4-18  
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals  
Elevation: Ground: 777' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1008' Plug Back Total Depth: 1006'  
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 1006  
feet depth to Surface w/ 140 sx cmt.

Drilling Fluid Management Plan Alt II NH 10-15-08  
(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: \_\_\_\_\_  
Title: Agent Date: 8/26/2008  
Subscribed and sworn to before me this 26 day of August,  
20 08.  
Notary Public: MacLaughlin Darline  
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

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

Operator Name: Layne Energy Operating, LLC Lease Name: Blome Well #: 4-18  
 Sec. 18 Twp. 32 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 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>404 GL</td> <td>373</td> </tr> <tr> <td>Excello Shale</td> <td>559 GL</td> <td>219</td> </tr> <tr> <td>V-Shale</td> <td>610 GL</td> <td>167</td> </tr> <tr> <td>Mineral Coal</td> <td>654 GL</td> <td>123</td> </tr> <tr> <td>Mississippian</td> <td>976 GL</td> <td>-199</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	404 GL	373	Excello Shale	559 GL	219	V-Shale	610 GL	167	Mineral Coal	654 GL	123	Mississippian	976 GL	-199
Name	Top	Datum																	
Pawnee Lime	404 GL	373																	
Excello Shale	559 GL	219																	
V-Shale	610 GL	167																	
Mineral Coal	654 GL	123																	
Mississippian	976 GL	-199																	

CONFIDENTIAL

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	1006'	Thick Set	140	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
		<b>RECEIVED</b> <b>KANSAS CORPORATION</b>  <b>AUG 27 2008</b>  <b>CONSERVATION DISTRICT</b> <b>WICHITA, KS</b>	

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. <b>Shut-In</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
	0			

Disposition of Gas <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled	Production Interval <input type="checkbox"/> Other (Specify) _____
---------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------

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

**ENTERED**

TICKET NUMBER 14086  
 LOCATION Eureka  
 FOREMAN Russell McCoy

**TREATMENT REPORT & FIELD TICKET  
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-3-08	4758	Blome 4-18				MG

  

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
<u>Hayne Energy</u>	520	Troy		
<u>P.O. Box 160</u>	479	John		

  

CITY	STATE	ZIP CODE
<u>Sycamore</u>	<u>KS</u>	

Gus  
 Jones  
 Rig  
 1

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1008 CASING SIZE & WEIGHT 4 1/2 10.5 New  
 CASING DEPTH 1006 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9 SLURRY VOL 35 WATER gal/sk 6.1 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 16 Bbl DISPLACEMENT PSI 500\* Bump Plug 1000\* RATE \_\_\_\_\_

REMARKS: Safety meeting, Rig up to 4 1/2 casing, Break circulation  
w/ 50 Bbl water Pump 6 ski Gel w/ Hulls, Pump 2 Bbl spacer mix  
140 ski 50/50 Pozmix cement w/ chemicals A+ 13.9 # w/ yield of 1.40  
wash out Pump + Liner, Release 4 1/2 Top Rubber Plug Displace w/  
16 Bbl water. Final Pump PSI 500\* Bump Plug to 1000\*, Check Float  
Float Held 6 Bbl Good Cement Returns to Surface. Annulus Stayed  
Full Job Complete, Tear Down.

AUG 27 2008

Thank  
 you  
 Russell  
 McCoy

CONSERVATION DIVISION  
 WICHITA, KS

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	140 SKI	50/50 Pozmix Cement	9.75	1365.00
1102	235 #	CaCl2 2%	.75	176.25
1118 A	235 #	Gel 2%	.17	39.95
1110 A	560 #	Kalscal 4 # per/sk	.42	235.20
1101	420 #	CaIscal 3 #/sk	.36	151.20
1107	17 #	Flocele 1/8 # per/sk	2.10	35.70
1135	58 #	CFL-110 1/2 %	7.50	435.00
1146	29 #	CAF-38 1/4 %	7.70	223.30
1118 A	300 #	Gel Flush	.17	51.00
1105	50 #	Hulls	.39	19.50
5407	5.88 Ton's	Ton Mileage / Bulk Truck x 40	1.20	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
		5.3 % SALES TAX		150.37
		ESTIMATED TOTAL		4713.47

AUTHORIZATION called by Jacob TITLE CO/Rep DATE 6-3-08

# Daily Well Work Report

BLOME 4-18

6/2/2008

**Well Location:**  
MONTGOMERY KS  
32S-17E-18 NW NW  
343FNL / 1793FWL

**Cost Center** C01024000100  
**Lease Number** C010240  
**Property Code** KSCV32S17E1804  
**API Number** 15-125-31623

**Spud Date** 5/29/2008 **RDMO Date** 6/26/2008 **First Compl** **First Prod** **EFM Install** **CygnnetID**

**TD** 1008 **PBTD** 1006 **Sf Csg Depth** 21 **Pr Csg Depth** 1006 **Tbg Size** **Csg Size**

**Reported By** krd **Rig Number** **Date** 5/29/2008  
**Taken By** krd **Down Time**  
**Present Operation** DRILL OUT SURFACE **Contractor** THORNTON

## Narrative

MIRU THORNTON 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

RECEIVED  
KANSAS CORPORATION COMMISSION  
AUG 27 2008  
CONSERVATION DIVISION  
WICHITA, KS

# GEOLOGIC REPORT

LAYNE ENERGY  
Blome 4-18  
NW NW, 343 FNL, 1793 FWL  
Section 18-T32S-R17E  
Montgomery County, KS

Spud Date: 5/29/2008  
Drilling Completed: 6/2/2008  
Logged: 6/3/2008  
A.P.I. #: 15125316230000  
Ground Elevation: 777'  
Depth Driller: 1008'  
Depth Logger: 1010'  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1006'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, Litho Density /  
Neutron Logs

CONFIDENTIAL  
AUG 26 2008  
KCC

Formation	Tops	
	(below ground)	(subsea)
	Surface (Dennis	
Kansas City Group	Limestone)	777
Pawnee Limestone	404	373
Excello Shale	559	219
"V" Shale	610	167
Mineral Coal	654	123
Mississippian	976	-199

RECEIVED  
KANSAS CORPORATION COMMISSION  
AUG 27 2008  
CONSERVATION DIVISION  
WICHITA, KS