

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

10/22/09

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>6/27/2007</u>	<u>6/29/2007</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31377-00-00
County: Montgomery
____ - ____ - NE - NW Sec. 12 Twp. 31 S. R. 13 East West
366 feet from S / (circle one) Line of Section
2095 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Westfall Well #: 3-12
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals
Elevation: Ground: 986' Kelly Bushing: _____
Total Depth: 1509' Plug Back Total Depth: 1501'
Amount of Surface Pipe Set and Cemented at 60 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1501
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan AF INS 3-16-09
(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: 10-22-07
Subscribed and sworn to before me this 22 day of October,
2007.
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2009

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: RECEIVED
 Wireline Log Received
 Geologist Report Received
OCT 23 2007
KANSAS CORPORATION COMMISSION
WIC Distribution
CONSERVATION DIVISION
WICHITA, KS



Operator Name: Layne Energy Operating, LLC Lease Name: Westfall Well #: 3-12
 Sec. 12 Twp. 31 S. R. 13 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>1046 GL</td> <td>-60</td> </tr> <tr> <td>Excello Shale</td> <td>1168 GL</td> <td>-182</td> </tr> <tr> <td>V Shale</td> <td>1235 GL</td> <td>-249</td> </tr> <tr> <td>Mineral Coal</td> <td>1277 GL</td> <td>-291</td> </tr> <tr> <td>Mississippian</td> <td>1485 GL</td> <td>-499</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	1046 GL	-60	Excello Shale	1168 GL	-182	V Shale	1235 GL	-249	Mineral Coal	1277 GL	-291	Mississippian	1485 GL	-499
Name	Top	Datum																	
Pawnee Lime	1046 GL	-60																	
Excello Shale	1168 GL	-182																	
V Shale	1235 GL	-249																	
Mineral Coal	1277 GL	-291																	
Mississippian	1485 GL	-499																	

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 KCC

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	122'	Class A	60	Type 1 cement
Casing	6.75"	4.5"	10.5	1501'	Thick Set	150	#10 KOL seal @ sx

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	

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OCT 23 2007
 CONSERVATION DIVISION
 WICHITA, KS

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.		Producing Method				
SI - waiting on pipeline		<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

Production Interval Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

GEOLOGIC REPORT

LAYNE ENERGY
Westfall 3-12
NE NW, 366 FNL, 2095 FWL
Section 12-T31S-R13E
Montgomery County, KS

Spud Date: 6/27/2007
Drilling Completed: 6/29/2007
Logged: 6/29/2007
A.P.I. #: 15125313770000
Ground Elevation: 986'
Depth Driller: 1509'
Depth Logger: 1506'
Surface Casing: 8.625 inches at 120'
Production Casing: 4.5 inches at 1501'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Stranger Formation)	986
Douglas Group		
Pawnee Limestone	1,046	-60
Excello Shale	1,168	-182
"V" Shale	1,235	-249
Mineral Coal	1,277	-291
Mississippian	1,485	-499

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OCT 23 2007

CONSERVATION DIVISION
WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC.

P.O. BOX 884, CHANUTE, KS 66720

620-431-9210 OR 800-467-8676

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OCT 22 2007
KCC

WELL TICKET NUMBER 12051

LOCATION Eureka

FOREMAN Troy Stricker

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-3-07		West Fall 5-12				MG

CUSTOMER
Layne Energy

MAILING ADDRESS
P.O. Box 160

CITY Sycamore STATE Ks ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Justin		
479	Jeff		
452/164	Jim		

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1509' CASING SIZE & WEIGHT 4 1/2" 10.5"

CASING DEPTH 1501' DRILL PIPE TUBING OTHER

SLURRY WEIGHT 13.2" SLURRY VOL 47.584 WATER gal/sk 8" CEMENT LEFT in CASING 0'

DISPLACEMENT 24661 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break circulation & wash down 10' casing to PBTD 1501'. Pump 8sk Gel Flush w/ Hulls. 50bl water spacer, 208bl metasilicate Pre-Flush, 308bl water, 150bl dye water. Mixed 150sks Thick Set Cement w/ 10" Gel-Seal @ 13.2" Papi. Wash out Pump & lines. Release Ply. Displace w/ 248bl water. Final Pumping Pressure 600PST. Bump Ply to 1100PST. Wait 2max. Release Pressure. Float Hold. Good Cement to surface = 88bl Slurry to Pit.

Job Complete

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	150sks	Thick Set Cement	15.40	2310.00
1110A	1500 #	Gel-Seal 10" Pipe	.38"	570.00
1118A	400"	Gel-Flush	.15"	60.00
1105	50"	Hulls	.36"	18.00
1102	80"	Calc Pre-Flush	.67"	53.60
1111A	100"	Metasilicate Pre-Flush	1.65"	165.00
5407A	8.25 Ton	Ton-Mileage Bulk Truck	1.10	363.00
1123	600gal	City Water	12.80%	76.80
5501C	4hrs	Water WATER Transport	100.00	400.00
4404	1	4 1/2" Tap Rubber Ply.	40.00	40.00
		Thank you!	5.32	
		Sub Total		5028.40
		SALES TAX		174.55
		ESTIMATED TOTAL		5202.95

AUTHORIZATION Called by Maysor

TITLE

DATE

Daily Well Work Report

WESTFALL 3-12
6/29/2007

Well Location:
MONTGOMERY KS
31S-13E-12 NE NW
366FNL / 2095FWL

Cost Center G01057300100
Lease Number G010573
Property Code KSSY31S13E1203
API Number 15-125-31377

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
6/27/2007	6/29/2007				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1509	1501	122	1501	0	0

Reported By krd	Rig Number	Date 6/27/2007
Taken By krd		Down Time
Present Operation Drill out from under surface		Contractor Thornton Rotary

Narrative

Miru Thornton Drilling, drilled 11" hole, 122' deep, rih w/ 7 jts 8-5/8" surface casing,. RU Consolidated, break circulation w/10 bbls fresh water. Mixed 60 sks class a cement w/2% gel, and 2% caclz @ 14.8# per gal. Displace with 6.5 bbls fresh water. Shut casing in w/good cement returns to surface. RD Consolidated.. SDFN DWC: \$ 6,267

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WICHITA, KS

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OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999

Form Must Be Typed

10/22/09

AMENDED

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365
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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>6/27/2007</u>	<u>6/29/2007</u>	<u>11/5/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31377-00-00
County: Montgomery
____ NE ____ NW Sec. 12 Twp. 31 S. R. 13 East West
366 feet from S / (circle one) Line of Section
2095 feet from E / (circle one) Line of Section
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(circle one) NE SE (circle one) SW
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Elevation: Ground: 986' Kelly Bushing: _____
Total Depth: 1509' Plug Back Total Depth: 1501'
Amount of Surface Pipe Set and Cemented at 60 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1501
feet depth to Surface w/ 150 sx cmt.

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: _____
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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: 2/27/2008
Subscribed and sworn to before me this 27 day of February,
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
RECEIVED
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CONSERVATION DIVISION
WICHITA, KS

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Operator Name: Layne Energy Operating, LLC Lease Name: Westfall Well #: 3-12
 Sec. 12 Twp. 31 S. R. 13 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>1046 GL</td> <td>-60</td> </tr> <tr> <td>Excello Shale</td> <td>1168 GL</td> <td>-182</td> </tr> <tr> <td>V Shale</td> <td>1235 GL</td> <td>-249</td> </tr> <tr> <td>Mineral Coal</td> <td>1277 GL</td> <td>-291</td> </tr> <tr> <td>Mississippian</td> <td>1485 GL</td> <td>-499</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	1046 GL	-60	Excello Shale	1168 GL	-182	V Shale	1235 GL	-249	Mineral Coal	1277 GL	-291	Mississippian	1485 GL	-499
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
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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	122'	Class A	60	Type 1 cement
Casing	6.75"	4.5"	10.5	1501'	Thick Set	150	#10 KOL seal @ sx

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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		KANSAS CORPORATION COMMISSION	
		FEB 28 2008	
		CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	1454'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
11/29/2007			<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	11	14		

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented. Submit ACO-18.) Other (Specify) _____

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Westfall 3-12		
	Sec. 12 Twp. 31S Rng. 13E, Montgomery County		
API:	15-125-31377-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Riverton 1457' - 1458.5'	2351 lbs 20/40 sand 245 bbls water 200 gals 15% HCl acid	1457' - 1458.5'
4	Neutral 1410' - 1411.5'	2482 lbs 20/40 sand 235 bbls water 200 gals 15% HCl acid	1410' - 1411.5'
4	Mineral 1277' - 1278.5' Croweburg 1235.5' - 1238' Bevier 1217.5' - 1219'	8581 lbs 20/40 sand 633 bbls water 500 gals 15% HCl acid	1217.5' - 1278.5'
4	Mulkey 1169' - 1171.5' Summit 1154' - 1155.5'	9049 lbs 20/40 sand 590 bbls water 500 gals 15% HCl acid	1154' - 1171.5'

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