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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

9/1/12

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

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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: Layne Energy Operating, LLC

Well Name: Westfall 3-12
Original Comp. Date: 11/5/2007 Original Total Depth: 1509'

Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back CIBP 1400' Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

5/6/2010 5/11/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 125-31377-00-01
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' originally
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 WDNS 9-10-10
(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: Victor H. Dyal
Title: Manager of Engineering Date: 9/1/2010

Subscribed and sworn to before me this 1 day of September,
20 10.

Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2013

KCC Office Use ONLY
 Letter of Confidentiality Attached 9/1/10 - 9/1/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

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MACLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1-4-2013

Operator Name: Layne Energy Operating, LLC Lease Name: Westfall Well #: 3-12 **SEP 01 2010**
 Sec. 12 Twp. 31 S. R. 13 East West County: Montgomery **CONFIDENTIAL**

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	1046 GL -60
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1168 GL -182
List All E. Logs Run:		V Shale	1235 GL -249
Compensated Density Neutron		Mineral Coal	1277 GL -291
Dual Induction		Mississippian	1485 GL -499

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>	Depth
	See Attached Page		
	CIBP 1400'		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	1348'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
5/12/2010			<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	
	2	>1				

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

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Layne Energy Operating, LLC #33365



WESTFALL 3-12
NE NW 12 - 31S - 13E MONTGOMERY COUNTY, KANSAS
15-125-31377-00-01

<i>Stage #</i>	<i>Perforation Record</i>	<i>Acid, Fracture, Shot, Cement Squeeze Record</i>
Stage 1 10/30/2007	Riverton 1457' - 1458.5'	200 HCl (15%) (gal) 2351 Sand (20/40) (lbs) 245 Water (bbls)
Stage 2 10/31/2007	Neutral 1410' - 1411.5'	200 HCl (15%) (gal) 235 Water (bbls) 2482 Sand (20/40) (lbs)
Stage 3 10/31/2007	Bevier 1217.5' - 1219' Croweburg 1235.5' - 1238' Mineral 1277' - 1278.5'	500 HCl (15%) (gal) 633 Water (bbls) 8581 Sand (20/40) (lbs)
Stage 4 10/31/2007	Mulky Coal 1169' - 1171.5' Summit 1154' - 1155.5'	500 HCl (15%) (gal) 590 Water (bbls) 9049 Sand (20/40) (lbs)
Recompletion 15-125-31377-00-01		
Stage 5 5/10/2010	Cattleman Sand 1315' - 1324'	264 Water (bbls) 300 HCl (15%) (gal) 3000 Sand (20/40) (lbs) 6000 Sand (12/20) Brown

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