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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL 8/20/10

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

API No. 15 - 205-27536-00-00 AMENDED
County: Wilson
N2 NE NW Sec. 15 Twp. 30 S. R. 15 East West
441 feet from S / (N) (circle one) Line of Section
2129 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: West Well #: 3-15

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)

Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 993' Kelly Bushing:
Total Depth: 1305' Plug Back Total Depth: 1303'
Amount of Surface Pipe Set and Cemented at 42 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1303
feet depth to Surface w/ 185 sx cmf.

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. _____
5/15/2008 5/19/2008 11/3/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

Drilling Fluid Management Plan *Att II N/S 4-2209*
(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.:

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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: Project Engineer Date: 2/22/09
Subscribed and sworn to before me this 22 day of February
20 09.
Notary Public: *MacLaughlin Darline*
Date Commission Expires: 1-4-2013

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
FEB 24 2009

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

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: West Well #: 3-15
 Sec. 15 Twp. 30 S. R. 15 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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>853 GL</td> <td>140</td> </tr> <tr> <td>Excello Shale</td> <td>952 GL</td> <td>41</td> </tr> <tr> <td>V-Shale</td> <td>1026 GL</td> <td>-33</td> </tr> <tr> <td>Mineral Coal</td> <td>1067 GL</td> <td>-74</td> </tr> <tr> <td>Mississippian</td> <td>1296 GL</td> <td>-303</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	853 GL	140	Excello Shale	952 GL	41	V-Shale	1026 GL	-33	Mineral Coal	1067 GL	-74	Mississippian	1296 GL	-303
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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	42'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1303'	Thick Set	185	50/50 posmix w/2% gel
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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		
		RECEIVED KANSAS CORPORATION FEB 24 2009 CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD	Size 2-3/8"	Set At 1297'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 11/10/2008		Producing Method <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. 0	Gas Mcf 36	Water Bbls. 0	Gas-Oil Ratio Gravity

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 type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	West 3-15		
	Sec. 15 Twp. 30S Rng. 15E, Wilson County		
API:	15-205-27536-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (October 2008)			
4	Riverton 1293' - 1295'	1800 lbs 20/40 sand 402 bbls water 480 gals 15% HCl acid	1293' - 1295'
4	Neutral 1260.5' - 1261.5' Rowe 1251' - 1255'	2600 lbs 20/40 sand 609 bbls water 720 gals 15% HCl acid	1251' - 1261.5'
4	Mineral 1067' - 1068.5' Croweburg 1027' - 1029' Bevier 1005.5' - 1006.5'	6200 lbs 20/40 sand 494 bbls water 800 gals 15% HCl acid	1005.5' - 1068.5'
4	Mulky 953' - 957' Summit 937' - 938.5'	6600 lbs 20/40 sand 398 bbls water 400 gals 15% HCl acid	937' - 957'
4	Mulberry 846' - 848'	2400 lbs 20/40 sand 223 bbls water 420 gals 15% HCl acid	846' - 848'

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