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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

AMENDED
10/29/09

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

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

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Wellsite Geologist: _____
Designate Type of Completion: *MAY 01 2008*
____ 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>7/16/2007</u>	<u>7/18/2007</u>	<u>1/9/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27228-00-00
County: Wilson
____ NW NW Sec. 21 Twp. 30 S. R. 15 East West
502 feet from S / **(N)** (circle one) Line of Section
523 feet from E / **(W)** (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE **(NW)** SW
Lease Name: Olenhouse Well #: 4-21
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 972' Kelly Bushing: _____
Total Depth: 1398' Plug Back Total Depth: 1391'
Amount of Surface Pipe Set and Cemented at 20 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1391
feet depth to Surface w/ 145 sx cm.

Drilling Fluid Management Plan *MAY 01 2008*
(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: 4/30/2008
Subscribed and sworn to before me this 30 day of April
20 08
Notary Public: *MacLaughlin Darling*
Date Commission Expires: 1-4-2009

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

KCC Office Use ONLY
____ Letter of Confidentiality Attached
If Denied, Yes Date: RECEIVED
KANSAS CORPORATION COMMISSION
____ Wireline Log Received
____ Geologist Report Received **MAY 01 2008**
____ Distribution
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Olenhouse Well #: 4-21
 Sec. 21 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron
 Dual Induction

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Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Pawnee Lime	856 GL	116
Excello Shale	962 GL	10
V-Shale	1033 GL	-61
Mineral Coal	1073 GL	-101
Mississippian	1305 GL	-333

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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1391'	Thick Set	145	#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 (Amount and Kind of Material Used)	Depth
	See Attached Page		

TUBING RECORD Size 2-3/8" Set At 1308' Packer At _____ Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. SI - waiting on pipeline Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. _____ Gas Mcf _____ Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

Disposition of Gas _____ METHOD OF COMPLETION _____ Production Interval _____ **RECEIVED** KANSAS CORPORATION COMMISSION

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ **MAY 01 2008**

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Olenhouse 4-21		
	Sec. 21 Twp. 30S Rng. 15E, Wilson County		
API:	15-205-27228-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (January 2008)			
4	Rowe 1265.5' - 1267'	2373 lbs 20/40 sand 350 bbls water 400 gals 15% HCl acid	1265.5' - 1267'
4	Mineral 1073.5' - 1074.5' Croweburg/V-Shale 1033' - 1036'	6100 lbs 20/40 sand 495 bbls water 450 gals 15% HCl acid	1033' - 1074.5'
4	Mulky 963.5' - 967.5' Summit 947.5' - 949'	8040 lbs 20/40 sand 545 bbls water 400 gals 15% HCl acid	947.5' - 967.5'
4	Anna Shale 876' - 877.5' Mulberry 853.5' - 854.5'	5871 lbs 20/40 sand 464 bbls water 500 gals 15% HCl acid	853.5' - 877.5'

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