

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

4/02/10

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 SIOW 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: 7/27/2007 Original Total Depth: 1790'
 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. _____

12/19/2007 12/20/2007
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 049-22458-00-01
County: Elk
SE NE Sec. 33 Twp. 29 S. R. 12 East West
1980 feet from S / (circle one) Line of Section
660 feet from (circle one) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
 (circle one) (circle one) SE NW SW
Lease Name: Unruh Well #: 8-33
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 1089' Kelly Bushing: _____
Total Depth: 1790' Plug Back Total Depth: 1744'
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 1744
feet depth to Surface w/ 180 sx cmt.

Drilling Fluid Management Plan W.D. N. J. H. O. R.
(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: 4/2/08
Subscribed and sworn to before me this 2 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
 Wireline Log Received
 Geologist Report Received **APR 03 2008**
Distribution
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
WICHITA, KS

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)
METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled
Production Interval Other (Specify) _____

APR 03 2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Unruh Well #: 8-33
 Sec. 33 Twp. 29 S. R. 12 East West County: Elk

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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>1366 GL</td> <td>-277</td> </tr> <tr> <td>Excello Shale</td> <td>1451 GL</td> <td>-362</td> </tr> <tr> <td>V-Shale</td> <td>1525 GL</td> <td>-436</td> </tr> <tr> <td>Mississippian</td> <td>1751 GL</td> <td>-662</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Pawnee Lime	1366 GL	-277	Excello Shale	1451 GL	-362	V-Shale	1525 GL	-436	Mississippian	1751 GL	-662
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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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	42'	Class A	10	Type 1 cement
Casing	6.75"	4.5"	10.5	1744'	Thick Set	180	#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	<div style="font-size: 2em; opacity: 0.5; pointer-events: none;">CONFIDENTIAL</div>			

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	Set At	Packer At	Liner Run
	2-3/8"	1610'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr. Shut-In	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

Disposition of Gas METHOD OF COMPLETION Production Interval

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

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 KANSAS CORPORATION COMMISSION

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Unruh 8-33		
	Sec. 33 Twp. 29S Rng. 12E, Elk County		
API:	15-049-22458-00-01		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (July 2007)			
4	V-Shale/Croweburg 1526' - 1530'	6064 lbs 20/40 sand 560 bbls water 150 gals 15% HCl acid	1526' - 1530'
4	Excello/Mulky 1451' - 1455'	5702 lbs 20/40 sand 560 bbls water 350 gals 15% HCl acid	1451' - 1455'
Initial Perforations (December 2007)			
4	Mulberry 1364' - 1365.5'	2514 lbs 20/40 sand 244 bbls water 300 gals 15% HCl acid	1364' - 1365.5'
4	Hushpuckney 1134' - 1136.5'	3996 lbs 20/40 sand 352 bbls water 350 gals 15% HCl acid	1134' - 1136.5'

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