

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

8/20/09 AMENDED

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: McPherson Drilling  
License: 5675  
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: \_\_\_\_\_ 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>4/24/2007</u>	<u>4/25/2007</u>	<u>11/6/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31343-00-00  
County: Montgomery  
\_\_\_\_ NW SE Sec. 34 Twp. 33 S. R. 16  East  West  
2144 feet from  N (circle one) Line of Section  
2242 feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: Dunbar Well #: 10-34  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals

Elevation: Ground: 828' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1230' Plug Back Total Depth: 1181'  
Amount of Surface Pipe Set and Cemented at 40 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1181  
feet depth to Surface w/ 130 sx cmt.

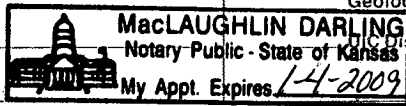
Drilling Fluid Management Plan AP 4 NJ 3-16-09  
(Data must be collected from the Reserve Pit)  
Chloride content N/A ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used N/A - Air Drilled

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: 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  No  
\_\_\_\_ Wireline Log Received  
\_\_\_\_ Geologist Report Received  
**RECEIVED**  
**FEB 28 2008**  
KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION  
WICHITA, KS

**CONFIDENTIAL**

Operator Name: Layne Energy Operating, LLC Lease Name: Dunbar Well #: 10-34  
 Sec. 34 Twp. 33 S. R. 16  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>496 GL</td> <td>332</td> </tr> <tr> <td>Excello Shale</td> <td>672 GL</td> <td>156</td> </tr> <tr> <td>V Shale</td> <td>725 GL</td> <td>103</td> </tr> <tr> <td>Mineral Coal</td> <td>776 GL</td> <td>52</td> </tr> <tr> <td>Mississippian</td> <td>1123 GL</td> <td>-295</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	496 GL	332	Excello Shale	672 GL	156	V Shale	725 GL	103	Mineral Coal	776 GL	52	Mississippian	1123 GL	-295
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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	40'	Class A	10	Type 1 cement
Casing	6.75"	4.5"	10.5	1181'	Thick Set	130	#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	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	1100'		

Date of First, Resumerd Production, SWD or Enhr. <b>SI - waiting on pipeline</b>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	<b>RECEIVED</b> KANSAS CORPORATION COMMISSION
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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) \_\_\_\_\_

**FEB 28 2008**  
CONSERVATION DIVISION  
WICHITA, KS

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Dunbar 10-34		
	Sec. 34 Twp. 33S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31343-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations</b>			
4	Rowe 1048' - 1049.5'	1577 lbs 20/40 sand 285 bbls water 300 gals 15% HCl acid	1048' - 1049.5'
4	Rowe 1048' - 1049.5' (re-perf)	1570 lbs 20/40 sand 341 bbls water 300 gals 15% HCl acid	1048' - 1049.5'
4	Weir 855' - 858' Mineral 776' - 778'	6012 lbs 20/40 sand 596 bbls water 500 gals 15% HCl acid	776' - 858'
4	V-Shale 725' - 727.5' Bevier 708.5' - 709.5' Iron Post 698.5' - 700'	8337 lbs 20/40 sand 773 bbls water 600 gals 15% HCl acid	698.5' - 727.5'
4	Mulky 671' - 674' Summit 635' - 641'	7531 lbs 20/40 sand 475 bbls water 400 gals 15% HCl acid	635' - 674'

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