

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

*6/26/09*

**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: Thorton Air  
License: 33606  
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: 7 SAME AS ABOVE  
Well Name: \_\_\_\_\_

Original Comp. Date: 8/3/2005    Original Total Depth: 1488'  
\_\_\_\_ Deepening    \_\_\_\_ Re-perf.    \_\_\_\_ Conv. to Enhr./SWD  
 Plug Back CIBP 1370'    Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
\_\_\_\_ Dual Completion    Docket No. \_\_\_\_\_  
\_\_\_\_ Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

<u>11/15/2005</u>	<u>11/15/2005</u>
Spud Date or Recompletion Date	Date Reached TD Completion Date or Recompletion Date

API No. 15 - 125-30752-00-01    CIBP Recompletion  
County: Montgomery

NE SE SE    Sec. 12    Twp. 31    S.    R. 14     East     West  
980 feet from  N (circle one) Line of Section  
330 feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)    NE        NW    SW  
Lease Name: Kirk    Well #: 16-12

Field Name: Cherokee Basin Coal  
Producing Formation: Cherokee Coals

Elevation: Ground: 954'    Kelly Bushing: \_\_\_\_\_  
Total Depth: 1488'    Plug Back Total Depth: 1472'  
Amount of Surface Pipe Set and Cemented at 21' Feet  
Multiple Stage Cementing Collar Used?     Yes     No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1483'  
feet depth to Surface w/ 150 <sup>sq cm.</sup>

**Drilling Fluid Management Plan**  
(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.: \_\_\_\_\_

*NO-Dir - 2/23/09*

**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: Manager of Engineering    Date: 6/26/09  
Subscribed and sworn to before me this 26 day of June,  
2009.  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2013

**KCC Office Use ONLY**

Y Letter of Confidentiality Attached  
If Denied, Yes  Date: 7/19/09  
\_\_\_\_ Wireline Log Received  
\_\_\_\_ Geologist Report Received

**RECEIVED**  
**JUN 30 2009**  
**KCC WICHITA**



Operator Name: Layne Energy Operating, LLC Lease Name: Kirk Well #: 16-12  
 Sec. 12 Twp. 31 S. R. 14  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  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

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Pawnee Lime	893 GL	61
Excello Shale	1028 GL	-74
V Shale	1088 GL	-134
Mineral Coal	1134 GL	-180
Mississippian	1385 GL	-431

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	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1483'	Thick Set	150	

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		
	CIBP 1370'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1354'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
11/16/2005	<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
	0	50	3		

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Kirk 16-12		
	Sec. 12 Twp. 31S Rng. 14E, Montgomery County		
<b>API:</b>	15-125-30752-00-01		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1376-1377, 1339-1341, 1234-1235, 1211-1214, 1185-1188	Riverton, Rowe, Bluejacket, Weir, Tebo - 1,800 15% HCL Acid, 604 bbls Water, 6,000 # 20/40 Sand	1185-1377
4	1134.5-1136, 1088-1089.5, 1067.5-1068.5, 1028-1033, 1009-1011.5, 890.5-891.5	Mineral, Croweberg, Bevier, Mulkey, Summit, Mulberry - 2,275 15% HCL Acid, 790 bbls Water, 8200 # 20/40 Sand	890.5-1136

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# *Layne Energy, Inc.*

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3950

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June 29, 2009

Mr. Steve Bond  
Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

Re: Well Recompletion Form

Dear Mr. Bond:

I have enclosed the ACO-1 form for the following **recompleted** well:

API # 15-125-30752-00-01  
Kirk 16-12

We respectfully request that all information submitted be kept confidential. Per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year **if applicable**.

If you need additional information, please contact me at (913) 748-3960.

Sincerely,



MacLaughlin Darling  
Production Analyst

Enclosures

cc: Well File  
Field Office



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