

# CORRECTION

# ORIGINAL

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33365  
 Name: Layne Energy Operating, LLC  
 Address 1: P O Box 160  
 Address 2: \_\_\_\_\_  
 City: Sycamore State: KS Zip: 67363 + \_\_\_\_\_  
 Contact Person: Victor H Dyal  
 Phone: ( 620 ) 627-2499  
 CONTRACTOR: License # 33606  
 Name: Thomton Air Rotary  
 Wellsite Geologist: \_\_\_\_\_  
 Purchaser: \_\_\_\_\_

## Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., 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     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

2/13/2009	2/17/2009	5/25/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31804-00-00  
 Spot Description: \_\_\_\_\_  
W2 SW Sec. 16 Twp. 33 S. R. 16  East  West  
1,476 Feet from  North /  South Line of Section  
504 Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
 County: Montgomery  
 Lease Name: Bogart Well #: 12-16  
 Field Name: Cherokee Basin Coal Area  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 771' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1186' Plug Back Total Depth: 1183'  
 Amount of Surface Pipe Set and Cemented at: 43 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from: 1183  
 feet depth to: Surface w/ 130 sx cmt.

## 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 #: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

## AFFIDAVIT

I am the affiant and I hereby certify that 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: Victor H Dyal  
 Title: Engineer Date: 1-11-12

## KCC Office Use ONLY

- Letter of Confidentiality Received  
 Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
 ALT  I  II  III Approved by: DJG Date: 1/27/11

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JAN 13 2012

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Operator Name: Layne Energy Operating, LLC Lease Name: Bogart Well #: 12-16  
 Sec. 16 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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Submitted previously</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	See Attached	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <b>RECEIVED</b>  <b>JAN 13 2012</b>  <b>KCC WICHITA</b> </div>	

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>1045'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05-28-2011</u>		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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
		40		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>665.5'-1027'</u>
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# Correction

ACO-1

Pg 3

Continuation Sheet of Perforation Record

Bogart 12-16

API # 15-125-31804-00-00

## Shots

per Foot	Perforation Record	Acid, Fracture, Shot, Cement Record	Depth
4	Riverton	1250 lbs sand, 200 gallons 15% HCL, 202 bbls water	1083' to 1086'
	Set CIBP		1079'
4	Rowe	3000 lbs sand, 300 gals 15% HCL, 178 bbls water	1025' to 1027'
4	Weir	5400 lbs sand, 300 gals 15% HCL, 291 bbls water	855' to 859.5'
4	Mineral	2400 lbs sand, 300 gals 15% HCL, 196 bbls water	763' to 765'
4	V-Shale/Crowburg	3000 lbs sand, 300 gals 15% HCL, 203 bbls water	718' to 720.5'
4	Iron Post/Excello/Murky	6000 lbs sand, 400 gals 15% HCL, 463 bbls water	691'-692.5'/665.5'-669'

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