

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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: 1900 Shawnee Mission Parkway
Address 2: _____
City: Mission Woods State: KS Zip: 66205 + 2001
Contact Person: Victor H. Dyal
Phone: (913) 748-3960
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist: _____
Purchaser: _____

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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: Layne Energy Operating, LLC
Well Name: Allison 15-20
Original Comp. Date: 5/25/2007 Original Total Depth: 1059'
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: CIBP 900' Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
6/29/2007 7/11/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-31185-00-01 CORRECTED
Spot Description: _____
_____ SW SE Sec. 20 Twp. 31 S. R. 16 East West
694 Feet from North / South Line of Section
1,801 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Montgomery
Lease Name: Allison Well #: 15-20
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 771' Kelly Bushing: N/A
Total Depth: 1059' Plug Back Total Depth: 1013'
Amount of Surface Pipe Set and Cemented at: 30 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: N/A Feet
If Alternate II completion, cement circulated from: 1034'
feet depth to: Surface w/ 110 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: N/A ppm Fluid volume: N/A bbls
Dewatering method used: N/A - Air Drilled
Location of fluid disposal if hauled offsite:
Operator Name: N/A
Lease Name: N/A License #: N/A
Quarter N/A Sec. N/A Twp. N/A S. R. N/A East West
County: N/A Permit #: N/A

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: Manager of Engineering Date: 12/6/2010

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: DG Date: 12/15/10

Operator Name: Layne Energy Operating, LLC Lease Name: Allison Well #: 15-20
 Sec. 20 Twp. 31 S. R. 16 East West County: Neodesha

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, 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 Name Top Datum See Driller's Log
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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	# Sacks Used	Type and Percent Additives
Surface	11"	8.625"	24	40'	Class A	30	Type 1 Cement
Production	6.75"	4.5"	10.5	1034'	Thick Set	110	

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 <i>(Amount and Kind of Material Used)</i>	Depth
	See Attached Page		
	CIBP 900'		

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>768'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>7/11/2007</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. <u>0</u>	Gas Mcf <u>27</u>	Water Bbls. <u>4</u> Gas-Oil Ratio _____ Gravity _____

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)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Layne Energy Operating, LLC #33365



ALLISON 15-20
SW SE 20 - 31S - 16E MONTGOMERY COUNTY, KANSAS
15-125-31185-00-01
Corrected

<i>Stage #</i>	<i>Perforation Record</i>	<i>Acid, Fracture, Shot, Cement Squeeze Record</i>
Stage 1 5/25/2007	15-125-31185-00-00 Open Hole - Riverton 1046' - 1050'	ORIGINAL
Stage 2 6/29/2007	15-125-31185-00-01 Bevier 678.5' - 680.5' Croweburg 739' - 740.5'	RECOMPLETION 515 Water (bbls) 6300 Sand (20/40) (lbs) 800 HCl (15%) (gal)
Stage 3 7/9/2007	Mulky Coal 650.5' - 658.5' Summit 628' - 631.5'	496 Water (bbls) 5600 Sand (20/40) (lbs) 950 HCl (15%) (gal)

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Layne Energy, Inc.

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

December 6, 2010

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

Re: Corrected Well Completion Form

Dear Mr. Bond:

I have enclosed the corrected ACO-1 form and associated data for the following well:

API # 15-125-31185-00-01
Allison 15-20

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

Sincerely,



MacLaughlin Darling
Production Analyst

Attachment

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McPherson Drilling LLC

Drillers Log

McPherson Drilling LLC

Rig Number: 3	S. 20 T. 31 R. 16
API No. 18-1253185-0000	County: Montgomery
Elev. 721	Location:

Operator: Lame energy operating LLC
Address: 1900 Shanna mission parkway mission woods RS, 66205
Well No: 75-20 Lease Name: Allison
Footage Location: 694 ft. from the (N) (S) Line 1801 ft. from the (E) (W) Line
Drilling Contractor: McPherson Drilling LLC
Spud date: 8-16-06 Geologist:
Date Completed: Total Depth: 1059

Gas Tests:	
704	0
744	0
784	3.92
804	3.92
924	3.92
1004	4.42
1059	4.42

Casing Record			Rig Time:
	Surface	Production	2 Hours
Size Hole:	11	6 7/8	
Size Casing:	8 5/8		
Weight:	20 ²⁰		
Setting Depth:	44		
Type Cement:	consolid		
Sacks:	consolid		

Well Log								
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Soil	0	5	sandy shale	769	783			
Clay	5	19	Coal	783	785			
limestone	19	22	Shale	785	811			
lime	22	23	sand	811	823			
shale	23	28	sandy shale	823	828			
lime	28	117	shale	828	842			
shale	147	259	sand	842	874			
lime	259	283	sandy shale	874	918			
Shale	283	322	coal	918	920			
lime	322	391	shale	920	933			
Shale	391	396	sand	933	996			
lime	396	452	coal	996	998			
Shale	452	675	shale	998	1012			
Sandy shale	675	898	sandy shale	1012	1049			
lime	698	699	coal	1049	1051			
Coal	699	702	shale	1051	1059			
shale	702	716						
lime	716	720						
sand	720	730						
sandy shale	730	735						
lime	735	737						
Coal	737	739						
Shale	739	768						
coal	768	769						

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