

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

7/1/11

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: _____ 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>3/16/2009</u>	<u>3/18/2009</u>	<u>12/3/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 31850 ~~125-34816-00-00~~ * AMENDED *
County: Montgomery
____ SW ____ SW ____ SW Sec. 27 Twp. 31 S. R. 14 East West
362 feet from S / N (circle one) Line of Section
421 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Daniels Well #: 13-27
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 877' Kelly Bushing: _____
Total Depth: 1512' Plug Back Total Depth: 1507'
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 1507
feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan ATTN: NS 29-10
(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: _____
Title: Project Engineer Date: 1/25/10
Subscribed and sworn to before me this 25 day of January
10
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2013

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

RECEIVED
JAN 27 2010

KCC WICHITA

MacLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1-4-2013

Operator Name: Layne Energy Operating, LLC Lease Name: Daniels Well #: 13-27
 Sec. 27 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 <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;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee Lime</td> <td>910 GL</td> <td>-33</td> </tr> <tr> <td>Excello Shale</td> <td>1047 GL</td> <td>-170</td> </tr> <tr> <td>V Shale</td> <td>1100 GL</td> <td>-223</td> </tr> <tr> <td>Mineral Coal</td> <td>1145 GL</td> <td>-268</td> </tr> <tr> <td>Mississippian</td> <td>1432 GL</td> <td>-555</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	910 GL	-33	Excello Shale	1047 GL	-170	V Shale	1100 GL	-223	Mineral Coal	1145 GL	-268	Mississippian	1432 GL	-555
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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	21'	Class A	4	Type 1 cement
Production	6.75"	4.5"	10.5	1507'	Thick Set	160	

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>
	See Attached Page	
		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> RECEIVED JAN 27 2010 KCC WICHITA </div>

TUBING RECORD	Size 2-3/8"	Set At 1437'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. 12/4/2009	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 0	Gas Mcf 6	Water Bbls. 0	Gas-Oil Ratio	Gravity
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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) _____

Operator Name: Layne Energy Operating, LLC. #33365

Lease Name: DANIELS 13-27

Lease Location: SW SW SW 27 - 31S - 14E MONTGOMERY, KS

API: 15-125-31850-00-00



Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
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Initial Perforations (November 2009)

4	Rowe 1360.5' - 1362'	2400 Sand (20/40) (lbs) 300 HCl (15%) (gal) 47 KCl & Biocide (1%) (bbls)	1360.5' - 1362'
4	Weir 1208.5' - 1210.5'	2400 Sand (20/40) (lbs) 300 HCl (15%) (gal) 218 KCl & Biocide (1%) (bbls)	1208.5' - 1210.5'
4	Mineral 1145' - 1146.5'	2400 Sand (20/40) (lbs) 300 HCl (15%) (gal) 209 KCl & Biocide (1%) (bbls)	1145' - 1146.5'
4	Croweburg 1100.5' - 1103'	3000 Sand (20/40) (lbs) 300 HCl (15%) (gal) 235 KCl & Biocide (1%) (bbls)	1100.5' - 1103'
4	Mulky Coal 1049' - 1052.5'	4200 Sand (20/40) (lbs) 300 HCl (15%) (gal) 263 KCl & Biocide (1%) (bbls)	1049' - 1052.5'

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