

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL 2/23/11

Form ACO-1
September 1999
Form Must Be Typed

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 FEB 23 2009

Wellsite Geologist:
Designate Type of Completion: KCC
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: SAME AS ABOVE

Original Comp. Date: 10/9/2007 Original Total Depth: 1155'
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.
11/10/2008 11/10/2008
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 125-31386-00-01
County: Montgomery
SW NE Sec. 29 Twp. 31 S. R. 16 East West
2233 feet from S / N (circle one) Line of Section
1936 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Tincknell Well #: 7-29
Field Name: Cherokee Basin Coal
Producing Formation: Cherokee Coals
Elevation: Ground: 771' Kelly Bushing:
Total Depth: 1155' Plug Back Total Depth: 1146'
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 1146'
feet depth to Surface w/ 120 sx cmt.

Drilling Fluid Management Plan WDN 7-1309
(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: Project Engineer Date: 2/22/09
Subscribed and sworn to before me this 22 day of February
20 09.
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
UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
FEB 24 2009

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

Operator Name: Layne Energy Operating, LLC Lease Name: Tincknell Well #: 7-29
 Sec. 29 Twp. 31 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> X 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>529 GL</td> <td>243</td> </tr> <tr> <td>Excello Shale</td> <td>680 GL</td> <td>91</td> </tr> <tr> <td>V Shale</td> <td>733 GL</td> <td>38</td> </tr> <tr> <td>Mineral Coal</td> <td>774GL</td> <td>-3</td> </tr> <tr> <td>Mississippian</td> <td>1068 GL</td> <td>-297</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	529 GL	243	Excello Shale	680 GL	91	V Shale	733 GL	38	Mineral Coal	774GL	-3	Mississippian	1068 GL	-297
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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	43'	Class A	40	Type 1 cement
Casing	6.75"	4.5"	10.5	1146'	Thick Set	120	10# KOL seal @ sk

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"	1095'		
Date of First, Resumerd Production, SWD or Enh.		Producing Method		
11/12/2008		<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	13	0	

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Tincknell 7-29		
	Sec. 29 Twp. 31S Rng. 16E, Montgomery County		
API:	15-125-31386-00-01		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (October 2007)			
4	Rowe 996' - 998'	2700 lbs 20/40 sand 381 bbls water 650 gals 15% HCl acid	996' - 998'
4	Weir 856' - 861' Tebo 836' - 838'	6200 lbs 20/40 sand 549 bbls water 760 gals 15% HCl acid	836' - 861'
4	Mineral 774' - 776' V-Shale 733' - 737' Bevier 708' - 710'	8400 lbs 20/40 sand 573 bbls water 850 gals 15% HCl acid	708' - 776'
4	Mulky 680' - 687' Summit 654' - 658'	7000 lbs 20/40 sand 706 bbls water 2100 gals 15% HCl acid	654' - 687'
Recompletion Perforations (November 2008)			
4	Riverton 1047' - 1050'	2900 lbs 20/40 sand 251 bbls water 250 gals 15% HCl acid	1047' - 1050'

RECORDED
KANSAS OIL AND GAS COMMISSION

FEB 24 2009

GENERAL DIVISION
TOLSON