

## KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 n Must Be Typed

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

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4/02	10	)

Operator: License # 33365	API No. 15 - 049-22455-00-01
Name: Layne Energy Operating, LLC	County: Elk
Address: 1900 Shawnee Mission Parkway	SE - SW Sec. 21 Twp. 29 S. R. 12
City/State/Zip: Mission Woods, KS 66205	660 feet from (S)/ N (circle one) Line of Section
Purchaser:	1980 feet from E / ( (circle one) Line of Section
Operator Contact Person: Timothy H. Wright	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	(circle one) NE SE NW (SW)
Contractor: Name: Thornton Air Rotary	Lease Name: Elliot Well #: 14-21
License: 33606	Field Name: Cherokee Basin Coal
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 1100' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1790' Plug Back Total Depth: 1753'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 43' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1753'
Operator:	feet depth to surface w/ 185 sx cmt.
Well Name:	
Original Comp. Date: 9/5/2007 Original Total Depth: 1790'	Drilling Fluid Management Plan WD NJ (c-(c-59)
Deepening Re-perf Conv. to Enfir./SWD	Chloride contentppm Fluid volumebbls
Plug Back Plug Back Total Depth	Dewatering method used
Commingled Docket No.	•
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
12/20/2007 12/21/2007	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R 🔲 East 🗌 West
Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply.  2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulat	e 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:	KCC Office Use ONLY
Title: Agent Date: 4-2-08	Letter of Confidentiality Attached
Subscribed and sworn to before me this 2 day of Opril	If Denied, Yes Date: RECEIVED  KANSAS CORPORATION COMMISSION
20.08. May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LAUGHLIN DARLING Geologist Report Received APR 0 3 2008
Notary Public: Mulgaululen Harling & Notar	ry Public - State of Kansas UIC Distribution
Date Commission Expires: 1-4-2009	Appt. Expires 44 2009 CONSERVATION DIVISION WICHITA, KS

perator Name: Layne Energy Operating, LLC			Leas	Lease Name: Elliot			Well #: <u>14-21</u>		
ec. 21 Twp. 2	S. R. <u>12</u>	✓ East	Coun	County: Elk					
sted, time tool ope mperature, fluid red	n and closed, flowing covery, and flow rate	and base of formations g and shut-in pressure is if gas to surface test final geological well sit	s, whether s	shut-in pr	essure reached	f static level, hydr	ostatic pressu	res, bottom hole	
rill Stem Tests Take	•	Yes No		[V]	.og Forma	tion (Top), Depth	and Datum	Sample	
amples Sent to Geo	ological Survey	Yes V No	Na		ame		Тор	Datum	
ores Taken	•	☐ Yes 🗸 No		Paw	nee Lime		1383 GL	-283	
ectric Log Run (Submit Copy)		✓ Yes  No		Exc	ello Shale		1464 GL	-364	
st All E. Logs Run:				V-SI	nale		1538 GL	-438	
Compensated D  Oual Induction	ensity Neutron			Miss	sissippian		1761 GL	-661	
			G RECORD				***************************************		
Purpose of String	Size Hole	Report all strings se	We	eight	Setting	Type of	# Sacjs	Type and Percent	
Surface	Drilled 11"	Set (In O.D.) 8.625"	24	. / Ft.	Depth 43'	Class A	Used 10	Additives Type 1	
Casing	6.75"	4.5"	10.5		1753'	Thick Set	185	10# KOL seal @ sack	
				<u>-</u>					
		ADDITION	AL CEMENT	ING / SQI	JEEZE RECOR	<del></del> D			
Purpose: Depth Type of Cement Top Bottom		#Sack	#Sacks Used Type and Percent Additives			s			
Protect Casing Plug Back TD Plug Off Zone	LUNI	TUENTIAL							
Shots Per Foot		ON RECORD - Bridge Pi Footage of Each Interval F		•		acture, Shot, Cemen		ord Depth	
	See Attached Pa	age							
UBING RECORD 2-3	Size 3/8"	Set At 1213'	Packer	At	Liner Run	Yes 🗸 No	<b>)</b>	<u> </u>	
Date of First, Resumero SI-Waiting for I	Production, SWD or E Pipeline	inhr. Producing M	ethod	Flowing	g Pump	ing Gas Li	ift Oth	ner (Explain)	
stimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er E	3bls. (	Gas-Oil Ratio	Gravity RECEIVED	
isposition of Gas	METHOD OF C	COMPLETION			Production Inte	rval	KANSA	S CORPORATION COMMIS	
						Commingled _		APR 0 3 2008	

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Elliot 14-21		
	Sec. 21 Twp. 29S Rng. 12E, Elk County		
API:	15-049-22455-00-01		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Initial Perform	ations (September 2007)	
4	V-Shale 1538' - 1542' Bevier 1523' - 1524'	7000 lbs 20/40 sand 624 bbls water w/ 1% KCL & biocide 500 gals 15% HCl acid	1523' - 1542'
4	Excello 1465' - 1468'	5300 lbs 20/40 sand 426 bbls water w/ 1% KCL & biocide 350 gals 15% HCl acid	1465' - 1468'
4	Mulberry 1378.5' - 1380'	3000 lbs 20/40 sand 300 bbls water w/ 1% KCL & biocide 350 gals 15% HCl acid	1378.5' - 1380'
	Recompletion Pe	erforations (December 2007)	
4	Hushpuckney 1149.5' - 1152'	4999 lbs 20/40 sand 365 bbls water w/ 1% KCL & biocide 300 gals 15% HCl acid	1149.5' - 1152'

## CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

APR 0 3 2008