

ORIGINAL

Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

WICHITA HS

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31647-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	NW- NW Sec. 16 Twp. 31 S. R. 17 7 East West
City/State/Zip: Mission Woods, KS 66205	730 feet from S / (N) (circle one) Line of Section
Purchaser:	711 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 (W) SW
Contractor: Name: Thornton Air Rotary	Lease Name: Duke Well #: 4-16
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 859' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1036' Plug Back Total Depth: 1034'
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 22 Feet
✓ GasENHR ✓ SIGW	Multiple Stage Cementing Collar Used?
	If yes, show depth setFeet
Dry Other (Core, WSW, Expl., Cathodic, etc)	If Alternate II completion, cement circulated from 1034
If Workover/Re-entry: Old Well Info as follows: Operator: Operator:	feet depth to Surface w/ 100 sx cmt.
Well Name:	'
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ALL NH (0 16 08 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	
	Chloride content N/A ppm Fluid volume bbls
Plug Back ————————————————————————————————————	Dewatering method used N/A - Air Drilled
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No.	Operator Name:
Other (SWD or Enhr.?) Docket No.	Lease Name: License No.:
6/5/2008 6/9/2008 Pending	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, worko Information of side two of this form will be held confidential for a period of	ith the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-gs and geologist well report shall be attached with this form. ALL CEMENTING Ills. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge.	ulate the oil and gas industry have been fully complied with and the statements
	KCC Office Use ONLY
Signature:	
Title: Agent Date: 8/29/2008	Letter of Confidentiality Attached
Subscribed and sworn to before me this $\underline{\it 29}$ day of $\underline{\it Curqu}$	If Denied, Yes Date:
20_08	Wireline Log Received RECEIVED
Man Tour of Carlina	Geologist Report Received
Notary Public: Mary Public: Mar	MacLAUGHLIN DARLING SEP 0 2 2008
Date Commission Expires: 1-4-3009	Notary Public - State of Kansas My Agost Expires /-4-2009 CONSERVATION DAY
	my Appt. Expires / 7 0001

Side Two

Operator Name: Layne Energy Operating, LLC			Lease Name: Duke				Well #: 4-16			
Sec. 16 Twp. 31 S. R. 17 🗸 East 🗌 West			Count	ty: Mont	gomery					
STRUCTIONS: Sho sted, time tool open a mperature, fluid recovectric Wireline Logs s	and closed, flowing very, and flow rate	g and shut s if gas to	in pressures, surface test, a	whether s long with	shut-in pre	essure reached	static level, hydr	ostatic pressu		
rill Stem Tests Taken (Attach Additional Sh	anotal.	Y	es ☑ No		⊘ L	og Format	ion (Top), Depth a	and Datum	Sample	
amples Sent to Geolo	•	₹ Y	es	Name				Тор	Datum	
ores Taken	igical Sulvey		_	Pawnee Lime Excello Shale			483 GL			
ectric Log Run (Submit Copy)		✓ Y				ello Shale		599 GL	261	
t All E. Logs Run:					Miss	issippian		1035 GL	-176	
Compensated Der Dual Induction	nsity Neutron									
<u> </u>		Repo	CASING I			w Used	etion. etc.			
Purpose of String	Size Hole Drilled	Siz	e Casing	We	eight . / Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives	
Surface	11"	8.625"	I (III O.D.)	24	. / 1 t.	22'	Class A	4	Type 1 cement	
Casing	6.75"	4.5"		10.5		1034'	Thick Set	100	50/50 posmix w/2% gel	
			ADDITIONAL	CEMENT	ING / SOI	JEEZE RECORU)			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	<u> </u>	s Used			Percent Additives	S	
Shots Per Foot	Shots Per Foot PERFORATION RECORD - Bridge Plug Specify Footage of Each Interval Per							ot, Cement Squeeze Record Kind of Material Used) Depth		
UBING RECORD	Size	Set At		Packer <i>i</i>	At	Liner Run				
							Yes 📝 No	1		
ate of First, Resumerd F Shut - In	Production, SWD or E	inhr.	Producing Meth	nod	Flowing	g Pumpi	ng Gas Li	ft Oth	er (Explain)	
stimated Production Per 24 Hours	Oil	Bbls.	Gas I	Mcf	Wate	er E	Bbls. (Gas-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF C	OMPLETIC	DN .			Production Inter	rval			
Vented Sold (If vented, Subm	Used on Lease nit ACO-18.)		Open Hole Other (Specif	Per	f 🔲 [Oually Comp.	Commingled	KAN	RECEIVED SAS CORPORATION CON	

SEP 0 2 2008

GEOLOGIC REPORT

LAYNE ENERGY Duke 4-16 NW NW, 730 FNL, 711 FWL Section 16-T31S-R17E Montgomery County, KS

Spud Date:	6/5/2008
Drilling Completed:	6/9/2008
Logged:	6/9/2008
A.P.I. #:	15125316470000
Ground Elevation:	859'
Depth Driller:	1036'
Depth Logger:	1036'
Surface Casing:	8.625 inches at 22'
Production Casing:	4.5 inches at 1034.1'
Cemented Job:	Consolidated

Open Hole Logs: Dual Induction SFL/GR, Litho Density / KOG

Neutron Logs

Formation	Tops				
	(below ground)	(subsea)			
	Surface				
Kansas City Group	(Cherryvale Shale)	859			
Pawnee Limestone	483	376			
Excello Shale	599	261			
"V" Shale					
Mineral Coal					
Mississippian	1,035	-176			

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Daily Well Work Report

DUKE 4-16 6/9/2008

Well Location: MONTGOMERY KS 31S-17E-16 NW NW 730FNL / 711FWL

Cost Center Lease Number Property Code API Number

C01025900100 C010259 KSCV31S17E1604 15-125-31647

Spud Date RDMO Date **First Compl** First Prod **EFM Install** CygnetID

CONT 06/5/2008

6/9/2008

PBTD PBTD Sf Csg Depth Pr Csg Depth Tbg Size Csq Size

1036 1034.1

22

1034.1

0

0

Reported By krd **Rig Number Date**

Taken By

6/5/2008

Present Operation drill out surface

Down Time Contractor

thornton

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 22' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DWC:\$2880

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CONSOLIBATED OIL WELL SERVICES, P.O. BOX 884, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676



TICKET NUMBER_	14190
LOCATION EURE	KA
FOREMAN RKK	LEDFORD

TREATMENT REPORT & FIELD TICKET **CEMENT**

5				<u> </u>	<u> </u>			
DATE	CUSTOMER #	WE	LL NAME & NUN	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-10.08	4258	DOKE	4-16				<u> </u>	me
CUSTOMER	1.	. .						
MAILING ADDRE	Layne A	nergy		6.5	TRUCK #	DRIVER	TRUCK #	DRIVER
		•.		1505 1605 1603	463	Shanon		
	P.O. Bex				429	John		
CITY		STATE	ZIP CODE	\neg	436	Chris		
	Kamole	KS						
	gstring	HOLE SIZE_	63/4"	∟	103.	CASING SIZE & W	EIGHT 414 *	1050
	1035			_ TUBING				74-
SLURRY WEIGH	IT /3.2 "	SLURRY VOL	34 Bb1	WATER gallets	0 4	CEMENT LEFT in (OTHER	
DISPLACEMENT	16 5 RLI	DISDI ACEMEI	AT DCI COA	Sur gailsk		RATE	CASINGO	
EMARKS S	G. J.	DISPLACEMEN	11 PSI_3 CD		<u> </u>	RATE	<u></u>	
la (arety met	13- KL13	y to 4	2" Casing.	BROK CY	sculation up	25 Rb1	fash
	70 5	5/ TRSh	LIGHT TOO	et air out	. Kums la	ANS OF INTIM	L . / L . ila	t .
2 35	309ac (1)1	xed 100	ses thic	est comen-	1.1848	Calcian 1 /2	Daile 11/12	
CH4-38	C /3.2 /	ML. YILIA	1.90. Liash	aut auno t	loss shu	t down a lease	2 0/- 1 -	
4/16.5	BUI fresh	Jates Fil	al nume a	acure so	2 PST B.	of plug to	1000 817) Reco
	A South &	ce base	aces of Cl	. <i>4</i>	Cood as as	t returns to	100 132.	
BAL SI	wy to pit.	TI	dala A.	A.	COO CENTRY	H RTVINS to	SUPTOR F	
	TO BE STORES		175 TF. 12.19	OOM.				
	W820		". Thank	Ya."			 -	
	11/100 cm							

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1.	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
11760	100 545	thickset coment	17.00	1700.00
IIIA	800 4	Kol-sea) 8 ª M/sz	.42	336.00
1135	50 d	1220 FL-110	7.50	375.00
1146	25 "	1470 CAZ-38	7.70	R 2.50
11184	300*	961-024	.17	51.00
1105	504	hulls	.39	19.50
5502C	3 hs	80 BSI VAC. TRX	100.00	300.00
1/23	3000 gals	city uster	14,00 ,000	42.00
5407	5.5	Con-milleage bulk tre	m/c	3/5.00
4404		41/2" top subbe plug	45.00	45.00
SLOSA	4 45	weller	85.00	340.00
4311		41/2" yeld on collar	60.00	60.00
· · · ·	·		Schtde)	4847.00
			RECEIVISALES TAX	149.50
	Des & Much		ORPORATIOESTIMATED TOTAL	4996.52

TOTAL SEP 0 22008