CONFIDENTIAL

ORICINAL 1/29/U

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31768-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	2032 feet from S / N (circle one) Line of Section
Purchaser:	1783 feet from (E) W (circle one) Line of Section
Operator Contact Person: Timothy H. Wright JAN 😢 🐧 2009	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	(circle one) NE SE NW SW
Contractor: Name: Thornton Air Rotary	Lease Name: Westfall Well #: 7-2
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 1060' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1613 Plug Back Total Depth: 1590'
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 1590
Operator:	feet depth to Surface w/ 100 sx cmt.
Well Name:	AVIIII
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AH UNJH 13-09 (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 Plug Back Total Depth	Dewatering method used N/A - Air Drilled
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	
Other (SWD or Enhr.?) Docket No	Operator Name:
10/7/2008 10/9/2008 12/23/2008	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.:
Kansas 67202, within 120 days of the spud date, recompletion, worko	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. i 12 months if requested in writing and submitted with the form (see rule 82-3-105 and geologist well report shall be attached with this form. ALL CEMENTING Is. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulaterin are complete and correct to the best of my knowledge.	alate the oil and gas industry have been fully complied with and the statements
Signeture:	KCC Office Use ONLY
Title: Project Engineer Date: 1/19/09	Letter of Confidentiality Attached
Subscribed and sworn to before me this 29 day of	If Denied, Yes Date:
20 <u>09</u> .	Wireline Log Received RECEIVED KANSAS CORPORATION COMMISSION Geologist Report Received
Notary Public: //lac_faugum / arthur / Pate Commission Expires: 1-4-20/3	MacLAUGHLIN DARLING Notary Public State of Kansas
Date Commission Expires: 1 7 7013	My Appt. Expires 1-4-2013 CONSERVATION DIVISION WICHITA, KS

Operator Name: Layı	ne Energy Opera	ating, LLC		Lease	Name:	Vestfall		Well #: 7-2	2		_
Sec. 2 Twp. 31			West		y: Montg					<u></u>	-
NSTRUCTIONS: Sh ested, time tool open emperature, fluid rec Electric Wireline Logs	n and closed, flowing covery, and flow rate	g and shut-in es if gas to sur	pressures, v rface test, al	whether shalong with fi	hut-in pre	ssure reached	I static level, hydro	rostatic pressu	ires, bottom	n hole	
Drill Stem Tests Taker		☐ Yes	√ No	······	⊘ Lo	og Format	tion (Top), Depth a	and Datum	s	Sample	•
(Attach Additional S	,	√ Yes	☐ No		Name	в		Тор	D	Datum	
Samples Sent to Geo Cores Taken	Alogical Survey	✓ Yes	∟ No ✓ No		Pawi	nee Lime		1150 GL	-6	90	
Electric Log Run (Submit Copy)	`	✓ ✓ Yes	☐ No		Exce	ello Shale		1263 GL	-2	203	
List All E. Logs Run:					V-Sh	ale		1330 GL	-2	270	
Compensated De Dual Induction					Miss	issippian		1572 GL	-5	512	
		Report a		RECORD		ew Used	ction, etc.				
Purpose of String	Size Hole Drilled	Size C Set (In		Weig Lbs.		Setting Depth	Type of Cement	# Sacjs Used		and Percent dditives	
Surface	11"	8.625"		24		43'	Class A	8	Type '	1 cement	
Casing	6.75"	4.5"		10.5		1590'	Thick Set	100	50/50 por	smix w/2% gel	
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	<u> </u>	ADDITIONAL Cement	#Sacks		JEEZE RECORI		Percent Additive	es KC	<u> </u>	i l
	PERFORAT	ION RECORD	Oridae Plur	Set/Type		Acid. Fr	acture, Shot, Cemer	Squeeze Rec	ONTIL		7
Shots Per Foot		Footage of Eac					Amount and Kind of M			Depth	-
	See Attached P	'age									-
									KANSASC	RECEIVEL DRPORATION C	NOC
									J	AN 3 0 20	09
TUBING RECORD 2-3	Size 3/8"	Set At 1400'		Packer A	At	Liner Run	Yes V	lo	CON	SERVATION DI WICHITA, KS	VISIO
Date of First, Resumero	rd Production, SWD or E	Enhr. P	Producing Met		Flowing	g 🗸 Pump	oing Gas L	_ift	ther (Explain))	
Estimated Production Per 24 Hours	Oil O	Bbis.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity				Gravity		
Disposition of Gas	METHOD OF	COMPLETION				Production Inte	arval				j
Vented ✓ Sold (If vented, Su	Used on Lease ubmit ACO-18.)		Open Hole Other (Speci	✓ Perf	f C	Dually Comp.	Commingled				- -

Layne Energy Operating, LLC.		l I		
Westfall 7-2				
Sec. 2 Twp. 31S Rng. 13E, Montgomery County				
15-125-31768-00-00				
Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth		
Initial Perforation	ons (December 2008)			
Crowshurz 1330! 1333!	5400 lbs 20/40 sand			
,	358 bbls water	1312' - 1332'		
Devier 1312 - 1313.5	400 gals 15% HCl acid			
Mullor 1062! 1065 5!	7000 lbs 20/40 sand			
1	453 bbls water	1250' - 1265.5'		
Summit 1250 - 1252	500 gals 15% HCl acid			
	2400 lbs 20/40 sand			
Mulberry 1147.5' - 1149'	174 bbls water	1147.5' - 1149'		
•	250 gals 15% HCl acid			
	Sec. 2 Twp. 31S Rng. 13E, Montgomery County 15-125-31768-00-00 Perforation Record Initial Perforation Croweburg 1330' - 1332' Bevier 1312' - 1313.5' Mulky 1263' - 1265.5' Summit 1250' - 1252'	Sec. 2 Twp. 31S Rng. 13E, Montgomery County 15-125-31768-00-00 Perforation Record Initial Perforations (December 2008) Croweburg 1330' - 1332' Bevier 1312' - 1313.5' Mulky 1263' - 1265.5' Summit 1250' - 1252' Mulberry 1147.5' - 1149' Acid, Fracture, Shot, Cement Squeeze Record December 2008) 5400 lbs 20/40 sand 358 bbls water 400 gals 15% HCl acid 453 bbls water 500 gals 15% HCl acid 2400 lbs 20/40 sand 174 bbls water		



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CONSERVATION DIVISION WICHITA. KS

GEOLOGIC REPORT

LAYNE ENERGY
Westfall 7-2
SW NE, 2032 FNL, 1783 FEL
Section 2-T31S-R13E
Montgomery County, KS

Spud Date:	10/7/2008
Drilling Completed:	10/9/2008
Logged:	10/9/2008
A.P.I. #:	15125317680000
Ground Elevation:	1060'
Depth Driller:	1613'
Depth Logger:	1609'
Surface Casing:	8.625 inches at 43'
Production Casing:	4.5 inches at 1590'
Cemented Job:	0
Open Hole Logs:	High Resolution Compensated Density Sidewall
	Neutron Log; Dual Induction LL3/GR Log

Formation	Tops					
	(below ground)	(subsea)				
	Surface (Ireland					
	Sandstone					
Douglas Group	Member)	1,060				
Pawnee Limestone	1,150	-90				
Excello Shale	1,263	-203				
"V" Shale	1,330	-270				
Mineral Coal						
Mississippian	1,572	-512				



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Daily Well Work Report

WESTFALL 7-2 10/9/2008

Well Location: MONTGOMERY KS 31S-13E-2 E2 SW NE 2032FNL / 1783FEL Cost Center Lease Number Property Code API Number G01057300500 G010573 KSSY31S11E0207 15-125-31768

Spud D	ate i	RDMO Date F	irst Compl	First Prod	EFM Install	CygnetID
10/7/20	800	10/9/2008 1	.2/23/2008	1/9/2009	1/9/2009	WESTFALL_7_2
TD	PBTD	Sf Csg Depth	Pr Csg Depth	n Tbg Size	Csg Size	
1613	1590	43	1590	0	0	
Reported	By KRD	Rig 1	Number	D	ate	10/7/2008
Taken By	KRD			D	own Time	
Present O	peration	DRILL OUT SUR	FACE	С	ontractor	THORNTON ROTARY

Narrative

MIRU THORNTON ROTARY DRILLING, DRILLED 11" HOLE, 43' DEEP, RIH W/2 JT 8 5/8" SURFACE CASING, MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DWC:\$3160



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CONSERVATION DIVISION WICHITA, KS

a

COMBOLIDATED OR WAIT Services, LLC

entered

TICKET NUMBER_

19583

LOCATION Eureks

Tray Strickler

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER#	WEL	L NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
10-10-08	4758	WEST FO	11s 7-2					MG
CUSTOMER	, , , , ,	WESTE	Ar 1		and the same of th			
	Frence	0000177		i '	TRUCK#	DRIVER	TRUCK#	DRIVER
Layne MAILING ADDRI	ESS			7	445	Cliff		
00 6	Row 160				439	Cella		
CITY		STATE	ZIP CODE		502	Philip		
Sycamon	~	K1				<u> </u>		
	ertry	HOLE SIZE	634	HOLE DEPT	1613'	CASING SIZE & V	VEIGHT 4 44	1015 NA
	Icon	NOIL I DIDE		TUBING				
SI URRY WEIGH	HT 13.9-13.2"	SLURRY VOL	SJAN	WATER gal/s	sk 6.1_8.0	CEMENT LEFT In	CASING_0'	
DISPLACEMEN	T 25.384	DISPLACEMEN	NT PSI 600	MIX PSI_//0	06-1084	RATE		
DEMARKS: C	acal must	a. Dia us	to 4½*	Cosine. B	reak Circu	latin w/ 30	Bil water.	Ang
111.4.	SUBT THE	tec Aim	losk Gel	- Flush -1	Hulle. SA	1 mater so	tel. "Tike	ST YOU'LL
care an	- ALL COM	ر اسا جمع	2% Cach	, 2% Gel	4 - KOI -50	> 3 (Q - 1	ec, The	
4% 51-11	10 L K%	MF-18 0	13.9 7/20/	Tail in	w/ 90sks	Thick Set	Canno	m/ Koria
4 Alema	-1 12% F	2-110. + 3	4% CAF-	JP @ 13.2	#/ fel. wast	out May	t limas.	WE BUCK
.Or Nz.	اسد معطمه	25 7 PLI	mater.	Final F	umping M	some 600	PSE ISMO	
HOO PCT.	wit 2m	ins. Role	ere Press	we Fla	et Hell.	God Cem	ent to	surface =
984 1	lyng to P	1.						
		Joh Go	ndele					The state of the s
			7 —					

ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	9 25.00	935.00
5406	40		3.45	146:00
1124	loati	MILEAGE SOKO Az-MA Caclo 2% Control 2000 Control 2000	9.75	9 35.00
1102	170*	Cach 2%	,75**	12750
11184	1704	Gel 2%	.17 *	28-90
IIIOA	400	Kol-Seel 4º/re	.42	168.00
1101	300 #	Cal-Sal 3"/sk	.36.5	10R.00
11074	24*	Phenoceal 1/2 1/54 (In all Compart)	1.15 #	27.60
1135	100	CFL-110 1/2% (in all Coment)	7.50	750.00
1146	SD H	CAF-38 44% (In all of Comment)	7.70*	385.00
11264	9 Octo	Thick Set Coment	/7.00	1530.00
11104	720*	Val-Seel et lex	. 42**	302.40
1118 A	500#	Get-Fluck	.17"	85.00
1105	\$0 °	Hulls RECEIVED	MISSION *	19.50
רפנים,	9.15 Tow	Top-Milege Bulk Truck ANSAS CURPOINT	m/ex2	630.00
4404		Get-Fluit Hulls Ton-Milege Bulk Truck SANSAS CORPORATION COM 45° Top Rubber Ply JAN 3 11 2001	45.00	45.00
		CONSERVATION DIVI	Sub Note!	6252.90
 		Then K Ker! WICHITA, KO	C. (mm. 11 A.	841.84
Ravin 3737		886519	ESTIMATED TOTAL	6494.16

AUTHORIZTION witnessed by Jacob

TITLE Laure Colo

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