

### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

## **WELL COMPLETION FORM**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33365	API No. 15 - 205-27821-00-00 . Corrected
Name: Layne Energy Operating, LLC	Spot Description:
Address 1: 1900 Shawnee Mission Parkway	SW_SW_SE_SE_Sec. 34 Twp. 30 S. R. 14 V East West
Address 2:	_271 Feet from North / South Line of Section
City: Mission Woods State: KS Zip: 66205 + 2001	1,315 Feet from 🗸 East / 🗌 West Line of Section
Contact Person: Victor H. Dyal	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	□ NE □ NW ☑ SE □ SW
	County: Wilson
CONTRACTOR: License # 33606  Name: Thornton Air Rotary, LLC	Lease Name: Metzger Well #: 16N-34
Wellsite Geologist: SEP 0 8 2010	Lease Name: Well #: Well #:
Purchaser: CONFIDENTIAL	Producing Formation: Cattleman Sands
Designate Type of Completion:	Elevation: Ground: 914' Kelly Bushing: N/A
•	Total Depth: 1287' Plug Back Total Depth: 1279'
New Well Re-Entry Workover	Amount of Surface Pipe Set and Cemented at: 40 Feet
Oil wsw swd slow	
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes No
☑ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: N/A . Feet
☐ CM (Coal Bed Methane)	If Alternate II completion, cement circulated from: 1279
Cathodic Other (Core, Expl., etc.):	feet depth to: Surface w/ 116 sx cmt.
If Workover/Re-entry: Old Well Info as follows:	4
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: N/A ppm Fluid volume: N/A bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD ☐ Conv. to GSW	Dewatering method used: N/A Air Drilled
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	
Dual Completion Permit #:	Operator Name: N/A
SWD Permit #:	Lease Name: N/A License #: N/A
ENHR Permit #:	Quarter N/A Sec. N/A Twp. N/A S. R. N/A East West
GSW Permit #:	County: N/A Permit #: N/A
5/24/2010 5/27/2010 6/24/2010	
Spud Date or Date Reached TD Completion Date or Recompletion Date	
Kansas 67202, within 120 days of the spud date, recompletion, workover or of side two of this form will be held confidential for a period of 12 months if re	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information equested in writing and submitted with the form (see rule 82-3-107 for confidenwell report shall be attached with this form. ALL CEMENTING TICKSTEADUST form with all temporarily abandoned wells.
	SEP 1 5 Anin
AFFIDAVIT	KCC Office Use ONLY
I am the affiant and I hereby certify that all requirements of the statutes, rules and tations promulgated to regulate the oil and gas industry have been fully complined.	The first of the control of the cont
and the statements herein are complete and confect to the best of my knowle	dge. Date.
1. A ME) !	Confidential Release Date:
Signature: AUDO HUKA	
	UIC Distribution
Title: Manager of Engineering Date: 9/14/2010	ALT [1 [1] Approved by: Date:

#### Side Two

Operator Name: Lay	ne Energy Oper	ating, LLC	· · · · · · · · · · · · · · · · · · ·	Lease	Name: _	<u>Metzger</u>	<del></del>	Well #:16	N-34	<del></del>
Sec. 34 Twp.30	s. R. <u>14</u>	✓ East	West	Count	y: Wilso	on	<del></del>	<del></del>		<del></del>
INSTRUCTIONS: She time tool open and clo recovery, and flow rate line Logs surveyed. A	sed, flowing and she es if gas to surface to	ut-in pressure est, along with	s, whether s n final chart(	shut-in pres	ssure rea	ched static leve	l, hydrostatic pres	sures, bottom	hole temp	erature, fluid
Drill Stem Tests Taken		☐ Yes	<b>√</b> No		<b>⊘</b> L	og Formatio	on (Top), Depth a	nd Datum	s	Sample
Samples Sent to Geol	·	∏ Yes	✓ No		Nam			Тор	כ	Patum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy,	d Electronically	Yes Yes Yes	☑ No ☑ No ☐ No		See D	riller's Log			KCC	
					1			Sü	<b>) ] (</b>	100
List All E. Logs Run: Compensated D Dual Induction	ensity Neutror	1			•			667	HIDEN	MAL
				RECORD	z	•		-		
D	Size Hote	1	all strings set- Casing	T .	urface, inti ight	ermediate, produc Setting	tion, etc. Type of	# Sacks	Type a	and Percent
Purpose of String	Drilled		O.D.)		/FL	Depth	Cement	Used		dditives
Surface	11"	8.625"		24		40'	Class A	116	Type 1	Cement
Producton	6.75"	4.5*		10.5		1279'	Thick Set	135	+	<del></del>
<b></b>		1					<u> </u>	<u></u>	<del></del>	
Purpose:PerforateProtect Casing	Depth Top Bottom		Cement	1	s Used	JEEZE RECORD		Percent Additive:		_
Plug Back TD Plug Off Zone						<del> </del>		<del></del>		
Shots Per Foot		ION RECORD Footage of Eac					acture, Shot, Cemer Imount and Kind of M		rd	Depth
	See Attached Pa	ge							•	
		-		111		<b>4</b>		RECE	IVED	
		<del></del>					- <del></del>	SEP 1	5 2010	). <u></u>
				***				KCC V	VICHI	TA
TUBING RECORD	Size: -3/8*	Set At: 1237'		Packer /	At:	Liner Run:	Yes			<del></del>
Date of First, Resumed 6/25/2010	Production, SWD or El	VHR F	roducing Met Flowing	hod:  Pump:	ng 🗌	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours	ଠଧ <1	Bb!s	Gas <1	Mcf	Was	er (	3b's	Gas-Oil Ratio		Grav.ty
DISPOSITIO			_	METHOD O	_			PRODUCTI	ON INTER	
Vented Sold			er (Specify) _	<u>•</u> мел.	(Submit		mmingled broit ACO-4)			

# Air Orilling Specialist Oil & Gas Wells

### THORNTON AIR ROTARY, LLC

Office Phone: 620-879-2073

PO Box 449 Caney, KS 67333

Date Started	5/24/2010
Date Completed	5/26/2010

Vell No.	Operator	Lease	A.P.I #	County	State	
16N-34 Layne Energy Operading		Metreer		Million	Kansas	
<u> </u>	Name Manhamata, Sant Sant					
1/4	1/4	1/4	Sec.	Twp.	Rge.	
1/4	1.00	· 数字流行物概念		90	142	
		. 1971				
Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole	
		ACTIONS AGAIN	45/6		AND THE RESERVE OF THE PARTY OF	

#### **Formation Record**

		Formatic	n kecora		
0-2	DIRT	744-749	SHALE	1081-1082	COAL
2-8	CLAY	749-769	TIME	1082-1090	SHALE
8-75	LIME	769-788	SAND-OIL ODOR @776	1087	GAS TEST - SAME
75-79	LMY SHALE	788-796	SANDY SHALE	1090-1097	SAND
79-176	SHALE	796-821	SHALE	1097-1122	SHALE
176-212	LIME	821-880	SANDY SHALE	1122-1124	COAL
212-293	SHALE	880-881	COAL (MULBERRY)	1124-1172	SHALE
293-295	LIME	881-907	LIME (PAWNEE)	1137	GAS TEST - SAME
295-300	SHALE	887	GAS TEST-SLIGHT BLOW	1172-1191	CORE
300-308	SANDY SHALE	907-909	SHALE	1187	GAS TEST-48,1/4,MCF-18.5
308-399	SAND (WET)	909-912	LIME	1191-1192	COAL
361	WENT TO WATER	912	GAS TEST-18, 1/4,MCF-8.95	1192-1222	SHALE
399-421	SANDY SHALE	912-919	BLACK SHALE	1222-1250	SANDY SHALE
421-424	LIME	919-930	SHALE	1250-1287	SHALE
424-429	SHALE	930-938	SAND	1287	TO
429-431	LIME	937	GAS TEST - SAME		
431-440	SHALE	938-950	SHALE		<b>100</b>
440-459	LIME	950-966	SANDY SHALE		
459-476	SHALE	966-990	LIME (OSWEGO)		SEP UE X
476-534	UME	990-999	BLK SHALE (SUMMIT)		CONTINENT
534-540	BLACK SHALE	999-1010	LIME		COMMISSION
540-550	SHALE	1010-1013	BLACK SHALE		
550-560	LIME	1012	GAS TEST-3#,1/4,MCF-15.7		RECEIVED
560-587	SAND	1013-1018	LIME		- c 2010
587-610	LIME	1018-1023	SAND		SEP 15 2010
610-616	SHALE	1023-1057	SHALE		Thomas
616-650	LIME	1057-1059	COAL		KCC WICHIT
650-705	SHALE	1059-1077	SHALE		1,7
705-730	LIME	1077-1079	LIME		
730-744	LMY SHALE	1079-1081	SHALE		

Corrected

### **Daily Well Work Report**

METZGER 16N-34 5/24/2010

Well Location:

WILSON KS

30S-14E-34 SW SW SE SE

271FSL / 1315FEL

**Cost Center** 

Lease Number

Property Code API Number

G01027400400

G010274

KSSY30S14E3416N 15-205-27821

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

5/24/2010

6/24/2010

6/25/2010

CygnetID

TD

5/27/2010

Csg Size

1287 1279 40

1279

Tbg Size 0

0

Reported By JM

**Rig Number** 

Sf Csg Depth Pr Csg Depth

Date

5/24/2010

Taken By

**KRD** 

**PBTD** 

Present Operation SET SURFACE

**Down Time** Contractor

THORNTON ROTARY D

#### **Narrative**

MIRU THORNTON DRILLED 11' HOLE 40 DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 116 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN

KCC WICHITA

SEP OU M CONFIDENTIA





NCKET NUMBI	ER 28780
LOCATION	Eurela
FOREMAN	Tran Strictor

DATE\_

PO Box 884, Chanute, KS 66720 820-431-9210 or 800-467-8676

AUTHORIZTION withouted by

### FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER#	WEL	L NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
5-27-10	4758	Metz	sec 16N	-34	<del>· - · · · · · · · · · · · · · · · · · ·</del>			wilpon
CUSTOMER								
La	inc Energy	٧			TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	ESS "	•		] [	520	Riek		11639
P.O. 1	Box 160			1	479	John		
CITY		STATE	ZIP CODE	7 [			30	<del>.⊳ e e 2019</del>
Sycamo	~	K,					20	10:20 No. 8 L. A
JOB TYPE	<u>ls_0</u>	HOLE SIZE	6340	_ HOLE DEPTH	1287'	CASING SIZE & W	EIGHT YK	10.54
CASING DEPTH	1279'	DRILL PIPE		_TUBING			OTHER	
SLURRY WEIGH	IT_13.2 H	SLURRY VOL_	1234	WATER gallsk	8 -	CEMENT LEFT In	CASING O'	
DISPLACEMENT	20.164	DISPLACEMEN	T PSI_500	MIX PSI 100		RATE		
REMARKS: S	afel Ma			" Caring.		muleten w	/ 258U L	nter.
wad Do		•				Hull . Pemp		
Shut Da		so to Ce		mak Cita				the Soda
Arz. Flush		Atec 100		water. 1				nent w/
84/KOH		theno sent		FL-110 +			4/2V. W	
Aum +1	ince Roll					water. Fin		
TIR COD.			no Rei	maif 2		ose Ason		
Good C		crefere	s ashi	5/407 3	to pit	VI TISHE	<u> </u>	
						6 Camply	<del>,</del>	<del></del>
								· · · · · · · · · · · · · · · · · · ·

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
3401		PUMP CHARGE	900.00	400.00
3106	<u>40</u>	MILEAGE	3.55	142.00
1124 4	1264	RECEIVED_		<del></del>
1126A	13551	Thick set Cornect	16.50	2227.50
IIIQA	1010+	8" Kal-Gal Ada SEP 15 2010	.40	4.32.00
11074	17 *	1/2 Phenogral	1.12	19.04
1135	<u> 68* </u>	1/2 07-110 KCC WICHITA	7.26	493.68
1146	]4.₩	142 CAF - 38	7.50	221.00
11184	500 *	Gel-Flux	٠/٦	<u>გ</u> გ.დე
1105	50 "	Hully	. 7.9	19.00
1103	100#	Constic Scools	1.40	190.00
VCO LS	7.43	Ton-mileure	1.20	356.64
4404		4%" Top Rubber Ry	44.00	49.00
	· · · · · · · · · · · · · · · · · · ·	Thanks	roth	6113.8
(			SALES TAX	1969
√n 3737	•	634461	ESTIMATED TOTAL	5310.19

I acknowledge that the payment terms, unless specifically emended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.