CONFIDENTIAL

Operator: License # 33365

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINA

Form ACO-1 September 1999 Form Must Be Typed

KCC WICHITA

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

API No. 15 - 125-31816-00-00

Name: Layrie Energy Operating, LLC	County: Workgomery
Address: 1900 Shawnee Mission Parkway	<u>N2 _SE _SE _SE _Sec. 16 _Twp. 31 _S. R. 16 </u>
City/State/Zip: Mission Woods, KS 66205	495 feet from S/ N (circle one) Line of Section
Purchaser:	345 feet from (E)/ W (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: Boorigie Well #: 16-16
License: 33606 CONFIDENTIAL	Field Name: Cherokee Basin Coal Area
_	Producing Formation: Cherokee Coals
Wellsite Geologist: MAY % 8 2009 Designate Type of Completion:	Elevation: Ground: 843' Kelly Bushing:
New Well Re-Entry WorkoverCC	Total Depth: 1186' Plug Back Total Depth: 1184'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 21 Feet
✓ GasENHR ✓ SIGW	Multiple Stage Cementing Collar Used?
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 1184
Operator:	feet depth to Surface w/ 125 sx cmt.
Well Name:	MITHS 70.00
Original Comp. Date:Original Total Depth:	Drilling Fluid Management Plan AH III 7-9-09 (Data must be collected from the Reserve Hit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content_N/Appm Fluid volumebbls
Plug Back Plug Back Total Depth	Dewatering method used N/A - Air Drilled
Commingled Docket No.	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
•	Lease Name: License No.:
2/2/2009 2/4/2009 Pending Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In 2 months if requested in writing and submitted with the form (see rule 82-3-104 and geologist well report shall be attached with this form. ALL CEMENTING. Submit CP-111 form with all temporarily abandoned wells.
	ate 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: Project Engineer Date: 5/24/65	Letter of Confidentiality Attached
28 401	If Denied, Yes Date:
<i>(</i>)	Wireline Log Received
20.09	Geologist Report Received RECEIVED
Notary Public: Mac Jaughlen Darling	C Distribution
Date Commission Expires: 1-4-2013	ary Public - State of Kansas MAY 2 3 200
	Appt. Expires 1-4-2013

Operator Name: Layne Energy Operating, LLC Sec. 16 Twp. 31 S. R. 16 Fast West			Lease Name: Boorigie County: Montgomery			·····	Well #: 16-16			
INSTRUCTIONS: Shot tested, time tool open temperature, fluid reco Electric Wireline Logs	and closed, flowin very, and flow rate	g and shut- es if gas to s	in pressures, surface test, a	whether sh long with fi	nut-in pre	ssure reached	l static lêvel, hydro	static pressur	res, bottom h	ole
Drill Stem Tests Taken (Attach Additional St		Ye	s 📝 No		√ Lo	og Forma	tion (Top), Depth a	and Datum	San	nple
,	·	· Ye	s 🗸 No		Nam	e		Тор	Date	um
Samples Sent to Geok Cores Taken	ogical Survey	\ ∏Ye		-	Pawnee Lime Excello Shale			544 GL 684 GL		
Electric Log Run (Submit Copy)		√ ✓ Ye	s 🗌 No							
List All E. Logs Run:			ITIAL		V-Sha	ale		734 GL	109	
Compensated De	nsity Newtron	leine.	000		Mine	ral Coal		774 GL		
List All E. Logs Run: Compensated Del Dual Induction	M				Miss	issippian		1086 GL	-243	}
	<u></u>	KCC	<i>}</i>		<u> </u>					
		Report		RECORD	✓ Ne urface, inte	w 🔲 Used rmediate, produ	ction. etc.			
Purpose of String	Size Hole Drilled	Size	Casing (In O.D.)	Weig Lbs.	ght	Setting Depth	Type of Cement	# Sacjs Used	Type and Addit	
Surface	11"	8.625"		24		21'	Class A	4	Type 1 c	ement
Casing	6.75"	4.5"		10.5		1184'	Thick Set	125	8 lbs KO	L seal
			ADDITIONAL	. CEMENTII	NG / SQL	JEEZE RECOF	D .			
Purpose: Depth Top Bottom		Туре	Type of Cement #Sacks			Type and Percent Additives				
Protect Casing Plug Back TD Plug Off Zone					***************************************	-		·		
Shots Per Foot	PERFORAT Specify	ION RECOR Footage of E	D - Bridge Plug ach Interval Per	gs Set/Type rforated			acture, Shot, Cemen Amount and Kind of M		ord	Depth
								ν,	RECE	IVED
	<u> </u>							· -	MAY 2	9 2009
TUBING RECORD	Size	Set At	, 2	Packer A	At	Liner Run	Yes ✓ No)	KCC W	ICHIT,
Date of First, Resumerd Pending	Production, SWD or	Enhr.	Producing Met	thod [Flowin	g Pum	ping Gas L	ift Ot	ner (Explain)	
Estimated Production Per 24 Hours	0 Oil	Bbls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio		Gravity
Disposition of Gas METHOD OF COMPLETION					Production Int	erval				
Vented Sold	Used on Lease		Open Hole	Perf	f. 🔲 (Dually Comp.	Commingled			

GEOLOGIC REPORT

LAYNE ENERGY
Boorigie 16-16
SE SE, 495 FSL, 345 FEL
Section 16-T31S-R16E
Montgomery County, KS

Spud Date:	2/2/2009	
Drilling Completed:	2/4/2009	
Logged:	2/4/2009	
A.P.I. #:	15125318160000	
Ground Elevation:	843	•
Depth Driller:	1,186 CC	NFIDENTIAL
Depth Logger:	1,185	MAY 2 8 2009
Surface Casing:	8.625 inches at 21'	MAI 28 2003
Production Casing:	4.5 inches at 1,184'	KCC
Cemented Job:		
Open Hole Logs:	High Resolution Com	pensated Density Side

High Resolution Compensated Density Sidewall Neutron Log; Dual Induction LL3/GR Log

Formation	Tops				
	(below ground) Surface (Chanute	(subsea)			
Kansas City Group	Shale)	843			
Pawnee Limestone	544	299 🕝			
Excello Shale	684	159			
"V" Shale	734	109			
Mineral Coal	774	69			
Mississippian	1,086	-243			

RECEIVED
MAY 2 9 2009
KCC WICHITA

Daily Well-Work Report

BOORIGIE 16-16 2/2/2009

Well Location:

MONTGOMERY KS

31S-16E-16 N2 SE SE SE

495FSL / 345FEL

Cost Center

Lease Number

Property Code API Number

C01034400100

C010344

KSCV31S16E1616 15-125-31816

Spud Date

RDMO Date First Compl

First Prod

EFM Install

CygnetID

2/2/2009

2/4/2009

TD **PBTD**

1184

1184

Tbg Size

Csg Size

0

Reported By KRD

Rig Number

Sf Csg Depth Pr Csg Depth

Date

2/2/2009

Taken By

KRD

Down Time

Present Operation DRILL OUT SURFACE

Contractor

THORNTON

Narrative

1186

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 21' DEEP, RIH W/1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. CONFIDENTIAL DWC:\$2880

MAY 28 2009

KCC

RECEIVED MAY 2 9 2003 KCC WICHITA





		00027
TICKET NUM	BER	20837
LOCATION_	Eure	ko
FORFMAN	Trovs	TICKE

FIELD TICKET & TREATMENT REPORT

O Box 884, C	hanute, KS 6677 or 800-467-8676	20	C	EMENT	·			COUNTY
DATE	CUSTOMER#	WELL NAM	AE & NUMBER		SECTION	TOWNSHIP	RANGE	managed purpose of the contract of the contrac
		P	1/1/-					MG
2-5-09	4758	Boorigie	10-10					and the second second
USTOMER			ļ		TRUCK#	DRIVER	TRUCK	DRIVER
L. QY AILING ADDR	Ess Energy				520	Cliff		
		,	1	Ţ.	439	Calin		
P.O. Ro	x 160	STATE ZIP	CODE	T				and the second second second
ITY		JOINIE		<u> </u>				
Sycamo	ve	<u>K</u> s		L	1186'	CARING SIZE & V	VEIGHT 14	105"
OB TYPE	1/5	HOLE SIZE	¾′ HC	OLE DEPTH	7789	_ CHOING OFFE CA.	OTHER	
ASING DEPT		DRILL PIPE		JBING				
LIBBY WEIG	HT_/J·4"	SLURRY VOL	84 W	ATER gal/sk	<u></u>	CEMENT LEFT in	CASING U	
LURRY WEIG	18.864 TH	DISPLACEMENT PS	IM CEP. IS	X PSI 100	comp Ply	RATE Disple	red (e die	1
SPLACEME	70.004		4 % . Cas	ton. Ro	ek Circul	lation w/ 50	all water.	
REMARKS:	Safety Meen	g: Rig up to	1.0		IRRIA CON	ustic for -tl	- M - Sill	metr
flyng 1	ark Gel-1			WET !	2# V-1:5	rel 1/2" Pho	DESCRIPTION OF THE PROPERTY OF	15% Fl
Mixed	125sks		Coment		, 20, 3	mp + lines	Calmar Ph	- Dinabo
+ 44%	CAF-38. C	13.4 / Yie	ld 1.70.	Wash	out ru	A TIME	M 40 /	ann art
	8861 WG	ter. Final	Pemps	n Post	rue 50	O PSI. Bunp	Acad to 1	
		electe Pres	rue. F	700 +_	Hold 1 G	ood Come	nt to ruf	10C 4 10
Wait_		(Displaced	e 48	PMINE	A A MARCO			management of the second of th
Skerry	to Pit			MAY 28	2002			and the second second second second second
		Joh Complet	-	MAY 7.0	L. W. W.			the state of the same of the same of
				KCC				
		T			SERVICES or	PRODUCT	UNIT PRICE	TOTAL

		RCO		
ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CODE		PUMP CHARGE	87000	870.00
SYDI			J.19	138 00
5406	40	MILEAGE		
		Thick Set Cement	16.00	2000.00
1126A	12575	Thick Jet (erent	.57*	39000
1110A	1000 d	Kol-Seel 8º/st	1.02	16.20
1107A	15"	thenasens 4º Ist	7.00	400.10
1135	58 *	FL-80 12%		727.
1146	29"	CAF-38 1/2% RECEIVED	7.25	210.25
		MAY 2 9 2009	14 2	80.00
1118A	5004	Gel-Fhigh	.16.7	1050
1105	So"	Halle KCC WICHITA	.57	85.00
1103	1004	Coudic Cods		4100
4404	1	45" Top Rubber Phy	4200	318 77
3407 A	6.87 Ton	45. Top Rubber Phy Ton - Mikege	1.16	340.00
5605A	4hrs	Weleer	85.00	
4311	1	4%. weld on Coller	70.00	70.00
		- 14/	546 Tol	49886
		Thank Yu. S.3%		176.06
Ravin 3737		328694	ESTRATED	5164.68

AUTHORIZTION Called by Mugger