CONFIDENTIAL

KANSAS CORPORATION COMMISSION RIGINAL OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1 September 1999 Form Must Be Typed

CONSERVATION DIVISION WICHITA, KS

Myalos 7/0/

Operator: License # 33365	API No. 15 - 125-31583-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	NENWNESec18Twp31S. R17 East West
City/State/Zip: Mission Woods, KS 66205	415 feet from S / N (circle one) Line of Section
Purchaser:	3655 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 (W) SW
Contractor: Name: Thornton Air Rotary	Lease Name: Friess JD Well #: 2A-18
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 947' Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 1196' Plug Back Total Depth: 1192'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21 Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐Yes ✓ No
Dry Other (Core, VS@NERFIDEEHTGdiAletc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1192
JUL U 1 2000 Operator:	feet depth to Surface w/ 165 sx cmt.
Well Name:	0.1 = 1.40
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AHIV 18-9-10 (Data must be collected from the Reserve Fit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Plug BackPlug 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:
4/3/2008 4/7/2008 4/22/2008	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, 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. 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 . Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulation herein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature:	KCC Office Use ONLY
Title: Agent Date: 6-27-08	Letter of Confidentiality Attached
Subscribed and sworn to before me this 21 day of	If Denied, Yes Date:
20_08	Wireline Log Received RECEIVED KANSAS CORPORATION COMMISSIO
Notary Public: War Loughlin Og Maci	Geologist Report Received AUGHLIN DARLING Public State of Kansas Geologist Report Received JUL 8-2 2008
Date Commission Expires: 1-4-2009 My Ap	pt. Expires 1-4-2009

Operator Name: La	yne Energy Oper	ating, LLC	<u> </u>	Leas	e Name:.	Friess JD		_ Well #: <u>2A</u> -	-18	
	Sec. 18 Twp. 31 S. R. 17 Fast West					gomery	***************************************			
tested, time tool ope temperature, fluid re	Show important tops en and closed, flowin ecovery, and flow rate gs surveyed. Attach	g and shut- es if gas to	in pressures, surface test, a	whether s long with	shut-in pr	essure reached	static level, hydro	static pressur	es, bottom hole	
Drill Stem Tests Tak		Ye	s 🗸 No		 ✓L	.og Formati	on (Top), Depth a	nd Datum	Sample	
Samples Sent to Ge	•	 ✓ Ye	s No		Nam	ie		Тор	Datum	
Cores Taken		☐ Ye	s 🗸 No		Paw	nee Lime		629 GL	318	
Electric Log Run (Submit Copy)		✓ Ye	s No		Exc	ello Shale		767 GL	180	
List All E. Logs Run:	:				V-SI	nale		821 GL	126	
Compensated D	Density Neutron				Mine	eral Coal		861 GL	86	
Dual Induction	·				Miss	sissippi		1164 GL	-217	
		Report		RECORD	✓ Ne	ew Used ermediate, produc	tion, etc.			
Purpose of String	Size Hole Drilled		Casing (In O.D.)		ight / Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percer	nt
Surface	11"	8.625"		24		21'	Class A	4	Type 1 ceme	t
Casing	6.75"	4.5"		10.5		1192'	Thick Set	165	50/50 posmix w/2%	gel
		T	ADDITIONAL	CEMENT	NG / SQL	JEEZE RECORD)			
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Туре	of Cement	#Sacks	s Used		Type and Pe	ercent Additives		***************************************
Plug Off Zone										
Shots Per Foot) - Bridge Plug ach Interval Perl		1		cture, Shot, Cement		đ Depth	
	See Attached P	<u>-</u>				(///	noon and thin of ma	enar Oscu)	Бери	
				······································						
									ECEIVED PORATION COMMISS	ION
								JUL	0 2 2008	
									RVATION DIVISION	
TUBING RECORD 2-:	Size 3/8"	Set At 1163'	-	Packer A	At	Liner Run	Yes [✓] No	٧	/ICHITA, KS	
	d Production, SWD or E		Producing Meth	ood	Flowing			Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Wate		-	as-Oil Ratio	Gravity	
	0		31		0					
Disposition of Gas	METHOD OF C	OMPLETION		C		Production Inter				
Uented ✓ Sold (If vented, Su	Used on Lease	[Open Hole Other (Specif	√ Perf (y)		ually Comp.	Commingled			

Operator Name:	Layne Energy Operating, LLC.		T
Lease Name:	Friess JD 2A-18		
	Sec. 18 Twp. 31S Rng. 17E, Montgomery County		
API:	15-125-31583-00-00		1
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Initial Perforat	ions (April 2008)	
		3600 lbs 20/40 sand	
4	Riverton 1145.5' - 1148'	514 bbls water	1145.5' - 1148
		300 gals 15% HCl acid	ĺ
		2500 lbs 20/40 sand	
4	Bluejacket 978.5' - 980'	188 bbls water	978.5' - 980'
	<u> </u>	300 gals 15% HCl acid	
	Mineral 860.5' - 862'	7900 lbs 20/40 sand	
4	€roweburg 821' - 824'	457 bbls water	798' - 862'
	Iron Post 798' - 800'	500 gals 15% HCl acid	
	·	6200 lbs 20/40 sand	
4	Mulky 768' - 773'.	251 bbls water	768' - 773'
		350 gals 15% HCl acid	1
		3200 lbs 20/40 sand	
4	Summit 743' - 746'	204 bbls water	743' - 746'
		350 gals 15% HCl acid	,

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JUL 9 2 2008

GEOLOGIC REPORT

LAYNE ENERGY
Friess 2A-18
NW NE, 415 FNL, 3655 FWL
Section 18-T31S-R17E
Montgomery County, KS

Spud Date:	4/3/2008
Drilling Completed:	4/7/2008
Logged:	4/7/2008
A.P.I. #:	15125315830000
Ground Elevation:	947'
Depth Driller:	1196'
Depth Logger:	1196'
Surface Casing:	8.625 inches at 21'
Production Casing:	4.5 inches at 1192'
Cemented Job:	Consolidated
Open Hole Logs:	Dual Induction SFL/GR, Litho Density /
	Neutron Logs

Formation	ormation Tops			
	(below ground)	(subsea)		
	Surface (Cottage			
Kansas City Group	Grove Sandstone)	947		
Pawnee Limestone	629	318		
Excello Shale	767	180		
"V" Shale	821	126		
Mineral Coal	861	86		
Mississippian	1,164	-217		

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Daily Well Work Report

FRIESS JD 2A-18 4/3/2008

Well Location: MONTGOMERY KS 31S-17E-18 NE NW NE 415FNL / 3655FWL Cost Center Lease Number Property Code API Number

C01025400300 C010254

KSCV31S17E1802A 15-125-31583

Spud Date 4/3/2008

RDMO Date First Compl

First Prod

0

EFM Install

0

CygnetID

TD PE

4/7/2008 4/22/2008

4/25/2008

4/25/2008

FRIESS_2A_18

TD PBTD 1196 1192

Sf Csg Depth Pr Csg Depth

oth Tbg Size

Csg Size

Reported By KRD

Rig Number

Date

4/3/2008

Taken By KRD

21

Down Time

THORNTON

Present Operation DRILL OUT SURFACE

Contractor

THORNTON

Narrative

MIRU THORNTON, DRILLED 11" HOLE 21' DEEP, RIH W/ 1 JOINT 8-5/8" CASING. MIXED 4 SX TYPE 1 CEMENT AND DUMPED DOWN THE BACKSIDE. SDFN. DWC:\$2,880

1192

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JUL 0 2 2008

CONSERVATION DIVISION WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, LA	<u>۔</u>
P.O. BOX 884, CHANUTE, KS 66720	
P.O. BOX 884, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676	

ENTERED

TICKET NUMBER 13836
LOCATION EUREKA
FOREMAN KEVIN MEGY

JEREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER#	W	LL NAME & NU	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-7-08	4158	FRIESS	2A - 18					MC
CUSTOMER		,						
	WE ENERGY	<u>/</u>		- Gus	TRUCK #	DRIVER	TRUCK#	DRIVER
MAILING ADDRESS			Jones	445	Justin		1	
P.o.	Box 160			_Rig 1	502	Phillip		
CITY		STATE	ZIP CODE			,		
Syca	MORC	Ks						1
JOB TYPE LON	nstring	HOLE SIZE	634	 _ HOLE DEPTH	1196	CASING SIZE & W	EIGHT 45 A	o.5 # New
CASING DEPTH	1192"	DRILL PIPE_		TUBING			OTHER	
-4		WATER gal/sk 6./ CEMENT LEFT in CASING O						
DISPLACEMENT /9 866 DISPLACEMENT PSI 600			PSI_//0	o Bump Plug	RATE			
REMARKS:	Fety Meetin	19: RIQU	0 to 4/4 C	ASING. BA	PEAK CIRCUL	ation w/ 25	BU. FR	h water.
						& Dye water		
50/50 A	ZMIX Cem	ent w/ 2	% Gel 2%	CACLE 4"	KOL-SCAL 3	CAL-SOAL &	4 Frecele	XX CFZ -
110 1/4	% CAF-38	@ /3.9	4/9AL VIC	Id 1.40. W	ash out Pun	np of Lines. Sh	est down.	Admise
Plug. Di	splace w/	19 BLL FA	od water.	FINAL PU	moing Access	IR 600 ASI.	Bumo Aug	\$ 1100
						Cement Rei		
	Sluppy (48							
-				7				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401		PUMP CHARGE	875.00	875-00
5406	40	MILEAGE	3.45	138.00
1124	165 sks	50/50 POZMIX CEMENT	9.30	1534.50
1118 A	275#	Gel 2%	.16 *	44.00
1102	275 *	CACL2 2%	. 70 #	184.50
SUO A	660 *	KOL-SEAL 4 #/SK	.40	264.00
1101	495 *	CAL-SEAL 3 1/5k RECEIVED Flocak 44 1/5k KANSAS CORPORATION COMMISSION	· 35 st	173.25
1107	41 *	Flocok 14 15k KANSAS CORPORATION	1.98	81.18
//35	70 *	CFL-160 1/2 % JUL 8 2 2008	7.15 *	500.50
1146	35 *	CAF - 38 1/4 %	7.30 *	255.50
1118 A	300 *	Gel Flush	.16 *	48.00
1105	5° 4	Hulls	. 37 *	18.50
5407 A	6.93 TONS	40 miles BULK TRUCK	1-14	316.00
4404		4 1/2 Top Rubber Plug	42.00	42.00
			Sub Total	4482-93
		THANK YOU 5.3%	SALES TAX	167.15
		861112	ESTIMATED TOTAL	4650. af

AUTHORIZATION WHIVESTED BY JACOB

TITLE LAYNE Co. Rep.

DATE___

4650,08