Date Commission Expires:

KANSAS CORPORATION COMMISSION RIGINAL
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
5/28/10

September 1999 Form Must Be Typed

CONSERVATION DIVISION

WICHITA, KS

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31480-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	696 feet from S / (N) (circle one) Line of Section
Purchaser:	357 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 NW SW
Contractor: Name: _Thornton Air Rotary	Lease Name: Darbro Well #: 4-14
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 845' Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 1455' Plug Back Total Depth: 1450'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐Yes ☑No
Dry Other (Core, WSW, ECOON THE DECEMBER AL	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows: MAY 2 8 2008	If Alternate II completion, cement circulated from 1450
Operator:	feet depth to Surface w/ 200 sx cmt.
Well Name: KCC	The state of the s
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AHII NJ 6 1007 (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	Location of fluid disposal if flauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
2/22/2008 2/26/2008 4/4/2008	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter SecTwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, were or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-3 and geologist well report shall be attached with this form. ALL CEMENTING S. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regul	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
Subscribed and sworn to before me this 28 day of May	Letter of Confidentiality Attached
	If Denied, Yes Date: RECEIVED Wireling Log Received KANSAS CORPORATION COMMISSION
20 08	Whening Log necessed
Notary Rublic MacLough lin Durling &	MacLAUGHLIN DARLING MAY 2 9 2008

Operator Name: Lay	ne Energy Oper	ating, LLC					Well #: _4-	14
Sec Twp3	32S. R. 13	_ ✓ East ☐ West	County	: Mont	gomery			
ested, time tool ope emperature, fluid red	n and closed, flowin covery, and flow rate	and base of formations pag and shut-in pressures, as if gas to surface test, a final geological well site	whether sh along with f	nut-in pre	essure reached	d static level, hyd	rostatic pressu	res, bottom hole
Orill Stem Tests Take		☐ Yes 🗸 No		Įι	og Forma	tion (Top), Depth	and Datum	Sample
Samples Sent to Geo	,	☐ Yes ☑ No		Nam	e		Тор	Datum
ores Taken	,	☐ Yes 🗸 No		Paw	nee Lime		1007 GL	-162
lectric Log Run (Submit Copy)		✓ Yes No		Exce	ello Shale		1144 GL	-299
ist All E. Logs Run:				V-Sł	nale		1193 GL	-348
Compensated D Dual Induction	ensity Neutron	CONFIDENTIAL MAY 2 8 2008		Mine	eral Coal		1238 GL	-393
		MOCASING	RECORD	✓ Ne				
Purpose of String	Size Hole	Report all strings set-	conductor, su Weig		rmediate, produc Setting	ction, etc. Type of	# Sacis	Type and Percent
	Drilled	Set (In O.D.) 8.625"	Lbs. /		Depth	Cement	Used	Additives
Surface Casing	6.75"	4.5"	10.5		100' 1450'	Class A Thick Set	200	Type 1 cement 50/50 posmix w/2% gel
Casing	0.73	4.5	10.5		1430	THICK Set	200	50/50 posmix w/2% gei
		ADDITIONAL	. CEMENTIN	IG / SQL	IEEZE RECORI	 D		
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks	Used		Type and	Percent Additive	
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per				acture, Shot, Cemer mount and Kind of M		rd Depth
	See Attached P							
TUBING RECORD 2-3	Size :/8"	Set At 1327'	Packer At		Liner Run	Yes ✓ No)	
Date of First, Resumerd	Production, SWD or E	nhr. Producing Met		Flowing	✓ Pumpi	ing Gas Li	ift	er (Explain)
Estimated Production Per 24 Hours	Oil 0	Bbls. Gas	Mcf	Wate	r E	Bbls. (Gas-Oil Ratio	RECEIVED
Disposition of Gas	METHOD OF C		L		Production Inter	rval	NAI	
Vented Sold (If vented, Sub	Used on Lease omit ACO-18.)	Open Hole Other (Speci	Perf.	_ D	ually Comp.	Commingled		MAY 2 9 2008 CONSERVATION DIVISE WICHITA, KS

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Darbro 4-14		
	Sec. 14 Twp. 32S Rng. 13E, Montgomery County		
API:	15-125-31480-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Initial Perforat	tions (April 2008)	
		2500 lbs 20/40 sand	
4	Mineral 1237.5' - 1239'	195 bbls water	1237.5' - 1239'
		300 gals 15% HCl acid	
	Crowoburg 1104' 1107'	5300 lbs 20/40 sand	
4	Croweburg 1194' - 1197' Iron Post 1173.5' - 1174.5'	362 bbls water	1173.5' - 1197'
		400 gals 15% HCl acid	
	Mulby 1144 5' 1149'	7900 lbs 20/40 sand	
4	Mulky 1144.5' - 1148'	433 bbls water	1121.5' - 1148'
	Summit 1121.5' - 1123'	400 gals 15% HCl acid	



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MAY 2 9 2008

Daily Well Work Report

DARBRO 4-14 2/26/2008

Well Location: MONTGOMERY KS 32S-13E-14 NW NW 696FNL / 357FWL Cost Center Lease Number Property Code API Number

G01069800100 G010698 KSLE32S13E1404 15-125-31480

Spud D	ate I	RDMO Date F	irst Compl	First Prod	EFM Install	CygnetID
2/22/20	800	2/26/2008	4/4/2008	4/23/2008	4/23/2008	DARBRO_4_14
TD	PBTD	Sf Csg Depth	Pr Csg Depth	n Tbg Size	Csg Size	
1455	1450	100	1450	0	0	
Reported	By KRD	Rig I	lumber	ι	Date	2/22/2008
Taken By	KRD			(Down Time	CONFIDENTIAL
Present O	peration	DRILL OUT FROM	M UNDER SURFAC	CE (Contractor	THORNTON 2 8 2008

Narrative

KCC

MIRU THORNTON, DRILLED 11" HOLE, 100' DEEP, RIH W/ 5 JTS 8 5/8" SURFACE CASING, MIRU CONSOLIDATED TO 8-5/8" CSG. BREAK CIRCULATION W/WATER. MIXED 50 SKS CLASS A CEMENT W/2% GEL AND 2% CACLZ @ 15#/GAL. DISPLACE WITH 5 BBLS WATER. SHUT CASING IN W/GOOD CEMENT

TO SURFACE. DWC:\$5,340 CWC:\$5,340

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MAY 2 9 2008

CONSERVATION DIVISION WICHITA, KS

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

TICKET NUMBER LOCATION EUREKA FOREMAN DICK LOGGE

TREATMENT REFORT & FIELD TICKET

				CEMEN	T			
DATE	CUSTOMER#	WEL	L NAME & NU	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-27-08	4258	DARBERO	4-14	,				me
USTOMER ,	_	DAR	(BEI)					
Lo	was Ene	C 3 y	PP 0	605	TRUCK #	DRIVER	TRUCK#	DRIVER
IAILING ADDRE	SS			Janes	463	Kyle		
	O. Box	160			439	Jim		
CITY		STATE	ZIP CODE					}
	Canole	¥5						
4.7	ngstring	HOLE SIZE	63/4"	HOLE DEPTH	1455'	CASING SIZE & W	EIGHT Y "	10.50
ASING DEPTH	1450'	DRILL PIPE		TUBING			OTHER	
LURRY WEIGH	T_13.9 #	SLURRY VOL	50 641	WATER gal/sl	<u></u>	CEMENT LEFT in	CASING	
		DISPLACEMEN						
LEMARKS:	afet mo	retina R.	• 440 2	s 41/2" c	asine. Bi	mak Circulati	و لید مط	la as
fresh u	ete. Pun	6 545	Sel-fl	sh al hu	15 /5 6	I water space	- 5 and	>£.
				7	-	2 CARLE Y+K		,
Yu & Popula	1/2 20 D-	14 20 00	1. 22 0	13941		washout p	+ /1000	
- 1 L d		O. J.	12	2 All G	, <u>, , , , , , , , , , , , , , , , , , </u>	Tool are on		

"Thank You"

Sout part. 1000 157. Wait 2 mins. release messure Tillest hold. Good coment returns to surface = 7 Chi slury to pst. Job complete. Ris days.

MAY 2 8 2008

ACCOUNT	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	875.00	85.00
5406	40	MILEAGE	3.45	138.00
1/24	200 sks	50/50 Palmox Cement	9.30	1860.00
11184	340*	2 % gel	16	54.40
11.02	396*	290 CACLE	. 28	238.00
11100	800*	Kol-small y = MAKE	, 5 60	326.00
1101	605	Cat 5991 3 " 10/3x	.35	216.00
1107	56#	1/4 * flusk * SE RECEIVED KANSAS CORPORATION COMMISSION	1.98	99.00
1135	944	12-110 Vo 2	7.15	660.60
1146	y2 #	CAR 38 14 % MAY 2 9 2008	7.30	304.60
1/18A	300 #	Gel-flush CONSERVATION DIVISION WICHITA, KS	.16	48.00
1105	50*	hulls	.32	18.56
SYMA	8.4	ton milege bulk tox	1.14	383.04
4404		4% top about plug	42.00	42.00
			Subtatel	5/23.19
<u> </u>		233	SALES TAX	201. 8
	_ 1 .	<i></i>	ESTIMATED TOTAL	5374, 38

AUTHORIZATION Jacob Mulat

TOTAL 5377, 35 DATE_

GEOLOGIC REPORT

LAYNE ENERGY
Darbro 4-14
NW NW, 696 FNL, 357 FWL
Section 14-T32S-R13E
Montgomery County, KS

Spud Date: Drilling Completed: Logged: A.P.I. #: Ground Elevation: Depth Driller: Depth Logger: Surface Casing: Production Casing: Cemented Job: Open Hole Logs:	2/22/2008 2/26/2008 2/26/2008 15125314800000 845' 1455' 1455' 8.625 inches at 104 4.5 inches at 1450' Consolidated Dual Induction SFI	~
Open Hole Logs:	Dual Induction SFI Neutron Logs	L/GR, Litho Density /
	_	

Formation	Tops			
	(below ground)	(subsea)		
Quaternary	Surface (Alluvium)	845		
Pawnee Limestone	1,007	-162		
Excello Shale	1,144	-299		
"V" Shale	1,193	-348		
Mineral Coal	1,238	-393		
Mississippian				

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