

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form Must Be Typed

WICHITA, KS

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Name: Layne Energy Operating, LLC Address: 1900 Shawnee Mission Parkway	API No. 15 - 125-31543-00-00 County: Montgomery
Name: Layne Energy Operating, LLC Address: 1900 Shawnee Mission Parkway	County. Montgomery
	, out it,
Mission Woods KS 66205	<u>N2_NW_NW_Sec. 3</u> Twp. 32_S. R. 16_
	feet from S / N (circle one) Line of Section
Purchaser:	feet from E / (circle one) Line of Section
Operator Contact Person: Timothy H. Wright F	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	(circle one) NE SE NW SW
Contractor: Name: Thornton Air Rotary	ease Name: Harper Well #: 4-3
License: 33606	field Name: Cherokee Basin Coal Area
Wellsite Geologist: P	Producing Formation: Cherokee Coals
	Elevation: Ground: 817' Kelly Bushing:
	otal Depth: 1093' Plug Back Total Depth: 1090'
- · · · · · · · · · · · · · · · · · · ·	Amount of Surface Pipe Set and Cemented at 21 Feet
GasENHRSIGWANTINCATIAI	Multiple Stage Cementing Collar Used?
Gas ENHR SIGW CONFIDENTIAL M Dry Other (Core, WSW, Expl., Cathodic, etc)	f yes, show depth setFeet
	f Alternate II completion, cement circulated from 1090
Operator: fe	eet depth to Surface w/ 150 sx cmt.
Well Name:	MIE 111 = 20
Original Comp. Date: Original Total Depth: (Drilling Fluid Management Plan ATT II NJ 7-38-10 Data must be collected from the Reserve Pit)
	Chloride content N/A ppm Fluid volume bbls
	Dewatering method used N/A - Air Drilled
Commingled Docket No.	
Dual Completion Docket No	ocation of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
4/4/0000 F/40/0000	ease Name: License No.:
4/1/2008	Quarter Sec. TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with the I Kansas 67202, within 120 days of the spud date, recompletion, workover or Information of side two of this form will be held confidential for a period of 12 mc 107 for confidentiality in excess of 12 months). One copy of all wireline logs and TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-4 form with all plugged wells.	conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. on this if requested in writing and submitted with the form (see rule 82-3-geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulate the herein are complete and correct to the best of my knowledge.	
Signature:	KCC Office Use ONLY
Title: Agent Date: 6-27-05	Letter of Confidentiality Attached
Subscribed and sworn to before me this 21 day of	If Denied, Yes Date:
04	Wireline Log Received RECEIVED KANSAS CORPORATION COMM
Notary Public: Mac Laugulin Downson	Public State of Kansas Distribution
Date Commission Expires: 1-4-2-009	CONSERVATION DIVISION

Operator Name: Layne Energy Operating, LLC			Lease	Lease Name: Harper			Well #: 4-3		
•		✓ East		y: Monto					
tested, time tool oper temperature, fluid red	n and closed, flowing covery, and flow rate	and base of formations g and shut-in pressure s if gas to surface test, final geological well site	s, whether sl , along with f	hut-in pre	ssure reached	static level, hydro	ostatic pressur	es, bottom hole	
Drill Stem Tests Take		☐ Yes 🗸 No		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	og Format	ion (Top), Depth a	and Datum	Sample	
Samples Sent to Geo	•	☐ Yes ☑ No		Name Pawnee Lime			Тор	Datum	
Cores Taken	ological Sulvey	☐ Yes ✓ No					528 GL	289	
Electric Log Run (Submit Copy)		✓ Yes No		Exce	ello Shale		670 GL	147	
List All E. Logs Run:				V-Sh	V-Shale		720 GL	97	
Compensated D	ensity Neutron			Mine	eral Coål		763 GL	54	
Dual Induction	Compensated Density Neutron CONFIDENTIAL Dual Induction JUL 0 1 2008				d ississippian		1077 GL	-260	
		KCC CASIN Report all strings se	G RECORD	✓ Ne urface, inte		ction, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei Lbs.	ight /Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives	
Surface	11"	8.625"	24		21'	Class A	4	Type 1 cement	
Casing	6.75"	4.5"	10.5		1090'	Thick Set	150	50/50 posmix w/2% gel	
		ADDITION	AL CEMENTI	ING / SQL	JEEZE RECOR	 D			
Purpose: Perforate	Depth Top Bottom	Type of Cement #Sac		s Used Type and Percent Additives			S		
Protect Casing Plug Back TD Plug Off Zone				,,,,,					
Shots Per Foot		ION RECORD - Bridge P Footage of Each Interval F)		acture, Shot, Cemen Amount and Kind of M		Depth	
	See Attached P	age ·		<u> </u>					
						·	R	ECEIVED	
				٠.			KANSAS COR	PORATION COMMISSION	
				1			JUI	_ 0 2 2008	
		,			-			KVATION DIVISION	
TUBING RECORD 2-	Size 3/8"	Set At 1050'	Packer	At	Liner Run	Yes V		WICHITA, KS	
Date of First, Resumer 5/22/2008	rd Production, SWD or	Enhr. Producing N	lethod .	Flowing	g 📝 Pump	oing Gas L	ift	er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er '	Bbls.	Gas-Oil Ratio	Gravity	
Disposition of Gas METHOD OF COMPLETION				Production Interval					
Vented ✓ Sold	Used on Lease	Open Ho		f. 🔲 (Dually Comp.	✓ Commingled	<u></u>		

Operator Name:	Layne Energy Operating, LLC.				
Lease Name:					
	Sec. 3 Twp. 32S Rng. 16E, Montgomery County				
API:	15-125-31543-00-00				
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth		
	Initial Perfor	ations (May 2008)			
		2500 lbs 20/40 sand			
4	Riverton 1062.5' - 1065'	520 bbls water	1062.5' - 1065		
•		500 gals 15% HCl acid			
		2700 lbs 20/40 sand	1008.5' - 1010		
4	Rowe 1008.5' - 1010'	256 bbls water			
		300 gals 15% HCl acid			
		3100 lbs 20/40 sand			
4	Bluejacket 896.5' - 898'	582 bbls water	896.5' - 898'		
-	<u> </u>	500 gals 15% HCl acid			
	Mineral 763' - 764'	7900 lbs 20/40 sand	}		
4	Croweburg 721' - 724'	533 bbls water	698' - 764'		
	Iron Post 698' - 699.5'	750 gals 15% HCl acid	J.,		
4		6100 lbs 20/40 sand			
	Mulky 671.5' - 676'	325 bbls water	671.5' - 676'		
		500 gals 15% HCl acid			

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JUL 0 2 2008

CONSERVATION DIVISION WICHITA, K8

GEOLOGIC REPORT

LAYNE ENERGY
Harper 4-3
NW NW, 435 FNL, 657 FWL
Section 3-T32S-R16E
Montgomery County, KS

Spud Date:	4/1/2008
Drilling Completed:	4/2/2008
Logged:	4/2/2008
A.P.I. #:	15125315430000
Ground Elevation:	817'
Depth Driller:	1093'
Depth Logger:	1094'
Surface Casing:	8.625 inches at 21'
Production Casing:	4.5 inches at 1090'
Cemented Job:	Consolidated
Open Hole Logs: ENTIAL	Dual Induction SFL/GR, Litho Density /
CONFIDENTIAL	Neutron Logs
JUL 0 1 2008	

Formation	Tops				
Kee	(below ground) Surface (Dewey	(subsea)			
Kansas City Group	Limestone)	817			
Pawnee Limestone	528	289			
Excello Shale	670	147			
"V" Shale	720	97			
Mineral Coal	763	54			
Mississippian	1,077	-260			

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CONSERVATION DIVISION WICHITA, K8

Daily Well Work Report

HARPER 4-3 4/1/2008

Well Location: MONTGOMERY KS 32S-16E-3 N2 NW NW 435FNL / 657FWL

Cost Center Lease Number Property Code API Number

C01035300100 C010353

KSCV32S16E0304 15-125-31543

Spud Date RDMO Date **First Compl**

First Prod

EFM Install

CygnetID

4/1/2008

4/2/2008

5/16/2008

5/22/2008

5/22/2008

HARPER_4_3

TD 1093 PBTD Sf Csg Depth Pr Csg Depth 21 1090

1090

Tbg Size 0

Csg Size 0

Reported By KRD

Rig Number

Date

4/1/2008

Taken By

KRD

Down Time

Present Operation DRILL OUT SURFACE

Contractor

THORNTON

Narrative

MIRU THORNTON, 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. DWC:\$2880

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> > > JUL 0 2 2008

CONSERVATION DIVISION WICHITA, KS

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

|--|--|

13831 TICKET NUMBER LOCATION EUREKA FOREMAN KEVIN MCCoy

TREATMENT REPORT & FIELD TICKET **CEMENT**

DATE	CUSTOMER#	WEL	L NAME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-2-08	4758	HARPER	4-3					Me
CUSTOMER								
LAY	WE ENERGY	/		- Gus	TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDRI	ESS			Jones	445	Justin		
P.o.	Box 160			Rig 1	515	Jerrid		
CITY		STATE	ZIP CODE					
Sycamore	e	Ks						
JOB TYPE LON	istring	HOLE SIZE	63/4	 _ HOLE DEPTH	1093	CASING SIZE & W	EIGHT 4/	10.5 NEW
CASING DEPTH	1089"	DRILL PIPE		TUBING		 	OTHER	
SLURRY WEIGH	нт <i>13.</i> 9 #	SLURRY VOL	38 BKL	WATER gal/s	k <u>6.1</u>	CEMENT LEFT in	CASING_O	
	T/7.3 PM							-
REMARKS: 54	Fety Meeti	Ng: Rig U	p to 41/2	CASING.	BREAK CIR	culation w	125 146	fresh .
WATER.	Pump 6 s	us Gel fi	ush w/ Hu	ills 10 B	bl water Si	DACER 5 BLL	Dye was	
Mixed	150 sks 5	0/50 POZM	ux Cemen	it w/ 24	GCL 246	CACLE, 4 # KO	6-SOAL 3	"Cal-Seal,
14 # Fix	cole 1/2 %	FL-110 44	% CAF-	38 @ 13.	9 * 19AL Y	<u>reld 1.40. W</u>	ash out h	the firms
Shut d	own. Reken	se Plug. Z	ISPIACE W	17.3 860	. Fresh wa	ter. FINAL F	remone A	and are
bon Asi	Bump Phi	o to 1100	PSI. WAI	+ 2 minu	tes Release	Acessure. +	IOAT NOW	Good
Cement	Returns	to-Surface	= 4 86	Sluggy (1	6 sks) to	Pit. Job Go	mplete. A	down.
	- 	MUDERIN	lho					
	41	0 1 2008	1					

AUTHORIZATION WIFNESTED By Jacob

		The second secon		r
CODE	QUANTITY OF UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	875-00	\$75.00
5406	40	MILEAGE	3.46	138.00
1124	150 sks	50/50 POZMIX CEMENT	9.30	1895.00
1118 A	250 *	Gel 2%	. 16 *	40.00
1102	250 *	CACLE 2%	. 70	175.00
///0 A	600 *	KOL-SEAL 4 #/SK	, 40	240.00
1101	450 **	CAL-Seal 3"/sk	. 35 *	152.50
1107	38 *	Flock 44 15K RECEIVED COMMISS	1.98	75.24
1135	63 *	Flock 14 / 5k RECEIVED Flock 14 / 5k RECEIVED RECEIVED RECEIVED KANSAS CORPOSATION COMMISS RECEIVED RECEIVED RECEIVED RECEIVED RECEIVED RECEIVED	2.15 *	450.45
1146	32		1 2 20 7	233 60
1118 A	300 *	Get flush CONSERVATION DIVISION CONSERVATION DIVISION WICHITA, KS	.16 *	48.60
1105	50 ^m	Hulls	.37	18.50
5407	6.3 TONS	Ton Mikage BULK TRUCK	MIC	J80 . 50
4404		4/2 Tap Rubber Plug	42.00	\$3.00
			Sub Total	448.29
		THANK YOU 5.3%	SALES TAX	152.40
<u></u>		801096	ESTIMATED	4340.69

TITLE LAYNE Co. Rep.

DATE_