Kansas Corporation Commission Oil & Gas Conservation Division

AMENDED

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-30744 0000
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	SW_NE_SE_Sec. 6Twp. 32_S. R. 16 East West
City/State/Zip: Mission Woods, KS 66205	1668 feet from S / N (circle one) Line of Section
Purchaser:	940 feet from (E)/ W (circle one) Line of Section
Operator Contact Person: M. B. Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3987	(circle one) NE SE NW SW
Contractor: Name: McPherson Drilling	Lease Name: Ediger Well #: 9-6
License: 5675	Field Name: Jefferson-Sycamore
	Producing Formation: Cherokee Coals
Wellsite Geologist:	Elevation: Ground: 842 Kelly Bushing:
Designate Type of Completion:	Total Depth: 1248 Plug Back Total Depth: 1237
New Well Re-Entry Workover SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 20' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	· ·
If Workover/Re-entry: Old Well Info as follows:	feet depth to Surface w/ 130 sx cmt.
Operator:	feet depth to Surface w/ 130 sx cmt.
Well Name:	Drilling Fluid Management Plan ALT II WHIN
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) ALT II W Hun 9-6-07
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	Location of fluid disposal if hauled offsite: RECEIVED
Dual Completion Docket No	KANSAS CODBODATION COMMISS
Other (SWD or Enhr.?) Docket No	Operator Name
5/18/2005 5/19/2005 7/11/2005	Lease Name: License No.: OCT 1 4 2005
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp. S. R. CONSERVATION DIVISION
Recompletion Date Recompletion Date	County: Docket No.:WICHITA, KS
Kansas 67202, within 120 days of the spud date, recompletion, worko Information of side two of this form will be held confidential for a period of	ith the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-125 and geologist well report shall be attached with this form. ALL CEMENTING IIIs. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to requ	ulate the oil and gas industry have been fully complied with and the statements
herein are complete and correct to the best of my knowledge.	
MR Nath	KCC Office Use ONLY
Signature: PR / VIVV	
Title: TYPPO Date:	Letter of Confidentiality Attached
Subscribed and sworn to before me thisday of	If Denied, Yes Date:
19	Wireline Log Received
	Geologist Report Received
Notary Public:	UIC Distribution
Date Commission Expires:	

CONTIDENTIAL

Operator Name: Layne Energy Operating, LLC				Lease	Name: E	diger	er _{Well #:} 9-6			
ec. 6 Twp. 3				County	: Mont	gomery		<u></u>		
ISTRUCTIONS: She ested, time tool open imperature, fluid reco lectric Wireline Logs	and closed, flowing overy, and flow rate	and shuts if gas to	in pressures, surface test, a	whether st long with f	nut-in pre:	ssure reached	l static level, hydr	ostatic pressu	res, bottom f	iole
rill Stem Tests Taker		☐ Ye	s ✓ No		√ Lo	og Forma	tion (Top), Depth	and Datum	Sar	mple
(Attach Additional S	·				Name	•		Тор	Dat	tum
amples Sent to Geo	logical Survey	Y€			Pawr	nee Lime		597	24	5
ores Taken ectric Log Run		Y∈ ✓ Ye			Fyee	lla Chala		746	96	
(Submit Copy)		•	•			llo Shale				
st All E. Logs Run:					V Sh	ale		795	47	
Compensated De	ansity Neutron				Mine	ral Coal		835	7	
Dual Induction	many reduced				Miss	issippian		1147	-30)5
	_	Paga	CASING t all strings set-c	RECORD	✓ Ne		action etc.			
Purpose of String	Size Hole	Siz	e Casing	Wei	ght	Setting	Type of	# Sacks		Percent
Purpose of String	Drilled	1	(In O.D.)	Lbs.	/Ft.	Depth	Class A	Used	Addi	
Surface	11"	8.625"		23		20'	Class A	4	Type 1	Cemen
Casing	6 3/4"	4.5"		10.5		1245	Thick Set	130		
			ADDITIONAL	CEMENT	NG / SQL	EEZE RECOF	 	1	<u> </u>	·
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Sacks	*****			Percent Additiv	95	
Shots Per Foot			D - Bridge Plu Each interval Pe)		racture, Shot, Ceme Amount and Kind of I		ord	Depth
	See attached	, college or						RECEI	VED	
	Oce attached						KANSA	SCORPORATI		ION
				,			· I	OCT 14	2005	
							C	ONSERVATION WICHITA		

TUBING RECORD 2 3	Size 3/8"	Set At 1149'		Packer .	At	Liner Run	Yes ✓ N	lo		
Date of First, Resumed			Producing Met	hod	Flowing	g √ Pum	ping Gas I	Lift O	ther (Explain)	
Estimated Production Per 24 Hours	Oil O	Bbis.	Gas 2	Mcf	Wate	er	Bbls.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF	COMPLETIC			1 5-5-	Production In	terval			
			-							



Kansas Corporation Commission SEP 0 5 2005 Oil & Gas Conservation Division

September 1999 Form Must Be Typed

WELL COMPLETION FORM ON FIDENTIAL WELL HISTORY - DESCRIPTION OF WELL & LEASE CONFIDENTIAL

Operator: License #_33365 CUNTIVENTIAL	API No. 15 - 125-30744 - 00-00
Name: Layne Energy Operating, LLC	County: Montgomery URIGINA
1000 Shawnoo Mission Parkway	_SW_NE_SE_Sec. 6 Twp. 32 S. R. 16 7 East West
Situ(State/Zin. Mission Woods, KS 66205	1668 feet from S N (circle one) Line of Section
Purchaser:	940 feet from E W (circle one) Line of Section
Operator Contact Person: M. B. Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913_) 748-3987	(circle one) NE SE NW SW
Contractor: Name: McPherson Drilling 39 00 05	Lease Name: Ediger Well #: 9-6
icense: 5675	Field Name: Jefferson-Sycamore
Purchaser:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 842 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1248 Plug Back Total Depth: 1237
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 20' 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 1245
Operator:	feet depth to Surface w/ 130 sx cmt.
Well Name:	A
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content_n/a ppm Fluid volumebbls
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	
Dual Completion	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
5/18/2005 5/19/2005 7/11/2005	Lease Name: License No.:
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, workov Information of side two of this form will be held confidential for a period of	in 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. 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 5. Submit CP-111 form with all temporarily abandoned wells.
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 KCC Office Use ONLY
Signature: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- IIA
Title:	Letter of Confidentiality Attached
Subscribed and sworn to before me this 7th day of September	If Denied, Yes Date:
B 2005	Wireline Log Received
	Geologist Report Received UIC Distribution
Notary Public: Wo /// / Zee &	
Data Commission Evniros: 18/14/248	I

CONFIDENTIAL

Side Two

KCC SEP 0 3 2005

ORIGINAL 9-6

Operator Name: Lay				Leas	e Name:_E ty:Mont	gomery S	FIDENTI	AMEII #: _9-6		
NSTRUCTIONS: Shested, time tool oper temperature, fluid rec Electric Wireline Logs	and closed, flowing overy, and flow rates	and shut- s if gas to	in pressures, surface test, a	whether s long with	hut-in pre	ssure reached	static level, hydro	ostatic pressur	es, bottom ho	ole
Orill Stem Tests Take		☐ Ye	s ✓ No		√ Lı	og Formati	on (Top), Depth a	and Datum	Sam	ple
•	,	☐ Ye	s √ No		Name	9		Тор	Datu	ım
Samples Sent to Geo	nogical Survey				Paw	nee Lime		597	245	
Cores Taken Yes ✓ No Electric Log Run ✓ Yes No (Submit Copy)				Exce	ello Shale		746	96		
ist All E. Logs Run:					V Sh	ale		795	47	
•					Mine	eral Coal		835	7	
Compensated Density Neutron Dual Induction					Miss	sissippian		1147	-305	5
		Repor		RECORD		w Used	ction, etc.			
Purpose of String	Size Hole	Siz	e Casing	We	eight	Setting Depth	Type of Cement	# Sacks Used	Type and Additi	
Surface	Drilled	8.625"	(In O.D.)	23	s. / Ft.	20'	Class A	4	Type 1 C	
Casing	6 3/4"	4.5"		10.5		1245	Thick Set	130		
112										
		T	ADDITIONAL	CEMENT	ring / sql	JEEZE RECOR				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Saci	ks Used		Type and	Percent Additive	s	
Shots Per Foot	PERFORAT Specify	ION RECOF	RD - Bridge Plu Each Interval Pe	gs Set/Typ rforated	98		acture, Shot, Ceme Amount and Kind of M		ord	Depth
	See attached						KANDA	RECEI	VED	
							· MARON	SCORPORATION		ON
									2005	
							CC	INSERVATION WICHITA, I	DIVISION (S	
TUBING RECORD	Size 3/8"	Set At		Packe	r At	Liner Run	Yes ✓ N	0		
	d Production, SWD or E		Producing Met	hod	·	<u> </u>				
SI - Waiting or					Flowin	g Pump	oing Gas t	_ift Ot	ner <i>(Explain)</i>	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er	Bbis.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF	COMPLETI	ON			Production Inte	erval			
Vented Sold	Used on Lease Sumit ACO-18.)		Open Hole Other (Spe		erf.	Dually Comp.	Commingled			

CONFIDENTIAL

KCC SEP 0 v 2005

CONFIDENTIAL GEOLOGIC REPORT

ORIGINAL RECEIVED KANSAS CORPORATION COMMISSION

SEP 0 8 2005

CONSERVATION DIVISION WICHITA, KS

LAYNE ENERGY Ediger 9-6 NE ¼, SE ¼, 1,668' FSL, 940' FEL Section 6-T32S-R16E MONTGOMERY COUNTY, KANSAS

Drilled: May 18-19, 2005 Logged: May 19, 2005 A.P.I.# 15-125-30744 Ground Elevation: 842' Depth Driller: 1,248' Depth Logger: 1,250' Surface Casing: 8 5/8" @ 20'

Surface Casing: 8 ³/₈" @ 20' Production Casing: 4 ½" @ 1,245' Cemented Job: Consolidated

Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

FORMATION	.TOPS (in feet below ground surface
Kansas City Group	.Surface (Cottage Grove Sandstone)
Lenapah Lime	.398
Altamont Lime	.442
Pawnee Lime	.597
Anna Shale	.617
First Oswego Lime	.685
Little Osage Shale	
Excello Shale	
Mulky Coal	.752
Iron Post Coal	.773
"V" Shale	.795
Croweburg Coal	.798
Mineral Coal	.835
AW Coal	. 1,076
Riverton Coal	.1,130
Mississippian	.1,147

CONFIDENTIAL

KCC SEP U - 2000 CONFIDENTIAL

ORIGINAL

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Ediger 9-6		
	Sec. 6 Twp. 32S Rng. 16E, Montgomery County		
API:	15-125-30744		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4		Riverton, Rowe, Scammon A - 1,500gal 15% HCL +	834.5-1131
•	1129-1131, 1076.5-1077.5, 834.5-836	295 bbls water + 2,800# 20/40 Sand	
Δ		Croweberg, Ironpost, Mulkey, Summit - 2,600 gal 15%	
	796.5-799, 772.5-774, 747-752.5, 719.5-723	HCL + 570 bbls water + 6,000 # 20/40 Sand	719.5-799

RECEIVED KANSAS CORPORATION COMMISSION SEP 0 8 2005

CONSERVATION DIVISION WICHITA, KS



ORIGINAL

CONFIDENTIAL

CONFIDENTIAL

COM IDEITING	MOKNING COMPETITION AND	,
00111 12 -	Report taken by:	KRD
	sechous autou - 3.	
Report Called in by: : John Ed		17-1010

· • • • • • • • • • • • • • • • • • • •				Report taken b	y: <u>!</u>	KRD		
Report Called in by:	: John Eq		ALT:	DAYS		CIEP	PBTD	
EASE NAME 8 #		AFE#	DATE	ביבט		DEPTH	TYPE FLUID	
			5/18/2005	11_		TYPE		
EDIGER 9-6	ON						WT	
PRESENT OPERATI	OR.		DRILL OUT	FROM UNDER	SURFACE		/NS	
DESPEST CASING	LINERS OD TOP & SHOE	DEPTH	REPAIR DOW	N TIME HRS		CONTRACTOR MC		
V(, 0, 0 - 1 - 1 - 1 - 1	CINOS					RIG NO Mike		
DD SHOE DEPTH	8 6/8" 245 J-55 Set 20		TES	T PERFB		conference	R PLUG BACK PERFS	•
PACKER OR ANCHOR		OD FD	L	70		accented or	TO	
PACKER OR ALL			<u> </u>	то			. 10	
			<u> </u>	10			TO	
				70			10	
				10				
MDC	BRIEF DESCRIPTIO	N OF OPERATI	ON					
HRS	DIGILI DECCIO			•				
						IT O E/P SI IDEACE CA	ISING.	
	MIRU MCPHERSON	DRILLING, DR	LLED 11" H	OLE, 20 DEEP,	KIM AN 1	IT 8 5/8" SURFACE CA		
			nanco MAIT	THE BACKSIDE	SOFN.			
	MIXED 4 SXS TYPE	1 CEMENT, UL	MIPED DIN	THE CONCRETE			RECEIV	ED
						KAN	SAS CORPORATION	COMMISSION
								- COMMINGOIO
	ļ						SEP 0.8	2005
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		·					CONSEDIATION	11/10/01
							CONSERVATION	NOISION
							WICHITA, K	8
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	<u> </u>			V				
DAILY COST ANA	LYSIS					TAILS OF RENTALS, SER	ACER A MISC	
					MCPHER	RSON DRILLING @ 6.5	O/R	
RIG					MCPHER	RSON (CEMENT)	80	
							400	
SUPERVISION	20	00			DIRTWO	RKS (LOC,RD, PIT)		
301 ERVIOLOIT					SURFAC	E CASING	200	
					LAND! LI	FGAL	2000	
RENTALS								
					DAYWO	RK		ļ
	41	20		•	l	·		ł
SERVICES	4	00				, 1		ł
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	22	80		•				1
MISC	`	·			1)
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			*					

CONSULIDATED OIL WELL SERVICES, INC. 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

-AUTHORIZTION CALLED By John Ed.

KUU SEP 0 a 2005

TIC T NUMBER_ LOCATION EUREKA

FOREMAN KEVIN MCCOY CONFIDENTIAL FORI TREATMENT REPORT & FIELD TICKET **CEMENT**

ORIGINAL

DATE 5-20-05

DATE	CUSTOMER#	WE	LL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
5-20-05	4758	EdiopR	9-6					MG
CUSTOMER	1	1 = - 70/5			11.00	ALLEY OF THE	productive symbol	Carrier Street
	YNE ENER	' <i>q</i> \vee		Gus	TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDRE	SS			Gus	445	BICK		
P.o.	Box 160			Jones	439	Justin		
CITY		STATE	ZIP CODE		436	= JOSON		
Sycamor	00	Ks				·		
JOB TYPE LON	vastring	HOLE SIZE	63/4	 HOLE DEPTH	1248'	CASING SIZE & W	EIGHT <u>4/な</u> /	0.5# New
CASING DEPTH							OTHER P.B.T	D. 1237
SLURRY WEIGH	ıт <i>.13.2</i>	SLURRY VOL	40 BbL	WATER gal/s	k <u> 8.° </u>	CEMENT LEFT in	CASING <u>8</u>	
DISPLACEMEN	T 19. 75 BBL	DISPLACEME	NT PSI <u>500</u>	MIX PSI 1000	Bump Plug	RATE		
REMARKS: S	afety Mee:	ting: Bi	g up to	42 CASI	Ng. BREAK	CIRCUIATI	ON W/ 30	BbL
Fresh 6	water. Po	(mo 10 B)	L Metasi	LICATE PI	ee flush. 1	2 BBL Dye u	1Ater. 1811	red 130
THICK:	Set Cemen	+ W/ 10	# KOL- SEAL	- PER/SK	@ 13.2 T	per/gAL, YIe,	ld 1.75.0	UASH OUT
P. d	Lines C	hus dans	Releas	- Plug.	DISPLACE	$\omega 19.75$	36L Fresh	water.
Firel	Pumpina P	RESSURE !	500 PSI. B	Rump Plu	19 to 1000	PSI. WAIT	2 minute	s, Kelease
PRESSUR	. FIDAT H	leld. Go	od Cemen	t Retur	n's to SUR	FAGE = 8 BB	L Slurry-	106
	2. Rig do							

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	25	MILEAGE	2.50	62.50
1126 A	130 SKS	Thick Set Cement	13.00	1690.00
1110 A	26 5KS	KOL-SEAL 10 PER/SK SO SEED REED SEED	16.90	439.40
III A	50 [#]	Madagel rade Per Flush SE OFF	1.55 =	77.50
5407 A	7.15 TONS	25 Miles 20 N	, 92	164.45
4404	1	4/2 Top Rubber Plug	38.00	38.00
4311	<u> </u>	25 Miles 8 2005 WILL ON COLLAR WELDER	48.00	48.00
5605 A	4 HRS	weider 2	75.00	300.00
5502 C	3 HRS	80 BBL VAC TRUCK	82.00	246.00
1123	2700 gAls	City WAter (From Neodesha)	12.20 per	32.94
		The Authority of the Au	Sub total	3863,79
		THANK YOU, U. 5.3%	SALES TAX	12305
		-4	ESTIMATED TOTAL	3987.00