CONFIDENTIAL

KANSAS CORPORATION COMMISSION ORIGINAL Form ACO-1
OIL & GAS CONSERVATION DIVISION

Form Must Be Typed

AMENDED

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31043-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	NW_ NW_Sec. 25 Twp. 31 S. R. 14 V East West
City/State/Zip: Mission Woods, KS 66205	660 feet from S / (N) (circle one) Line of Section
Purchaser:	660 feet from E / (W) (circle one) Line of Section
Operator Contact Person: M. Brent Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	(circle one) NE SE NW SW
Contractor: Name: Thornton Air Rotary	Lease Name: Schabel Well #: 4-25
License: 33606 NOV 1 2006	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 917' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1482' Plug Back Total Depth: 1477'
Oil SWD SIOWTemp. 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 yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1477
Operator:	feet depth to Surface w/ 155 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
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:
Dual Completion Docket No	Location of fluid disposal if fladied offsite.
Other (SWD or Enhr.?) Docket No	Operator Name:
7/26/2006 7/28/2006 5/1/2007	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, or 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 regula herein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
Signature: MS WHO	KCC Office Use ONLY
Title: Agent Date: 8/34/07	Letter of Confidentiality Attached
Subscribed and sworn to before me this 24 day of Centre of	If Denied, Yes Date:
20 07	Wireline Log Received
Notary Public Mac Laughlen Datelin Back	Geologist Report Received RECEIVED KANSAS CORPORATION COMMISS AUGHLIN DARLING UIC Distribution
1111/2009	y Public - State of Kansas oot, Expires 1/4/2009 AUG 2 7 2007
	JDI. EAPINGS

Operator Name:	Layne Energy Operating, LLC.			
Lease Name:	Schabel 4-25			
	Sec. 25 Twp. 31S Rng. 14E, Montgomery County			
API:	15-125-31043-00-00			
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth	
	Initial P	erforations		
	Rowe 1336' - 1338'	2500 lbs 20/40 sand		
4	Bluejacket 1228.5' - 1230'	379 bbls water	1228.5' - 1338'	
	Bidejacket 1220.5 - 1230	800 gals 15% HCl acid		
	Mineral 1119' - 1121'	8800 lbs 20/40 sand		
4	V-Shale 1076' - 1079'	635 bbls water	1056' - 1121'	
	Bevier 1056' - 1059.5'	700 gals 15% HCl acid		
	Mulky 1024' - 1030.5'	8000 lbs 20/40 sand		
4	Summit 1003.5' - 1007.5'	715 bbis water	888.5' - 1030.5'	
	Mulberry 888.5' - 890'	700 gals 15% HCl acid		

KCC NOV 1 1 2006 CONFIDENTIAL

> KCC AUG 2 4 2007 CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

AUG 2 7 2007

CONSERVATION DIVISION WICHITA, ICS

Side Two

Operator Name: Lay	me: Layne Energy Operating, LLC Lease Name: S			Schabel		_ Well #: 4-25	5		
Sec. 25 Twp. 3	S. R. <u>14</u>	✓ Eas	t West						
INSTRUCTIONS: Stested, time tool ope temperature, fluid rec Electric Wireline Log	n and closed, flowing covery, and flow rate	g and shu s if gas to	t-in pressures, surface test, a	whether s long with	shut-in pre	ssure reached	static level, hydro	static pressure	
Drill Stem Tests Take		Y	′es 🔽 No		V L	og Format	ion (Top), Depth a	and Datum	Sample
Samples Sent to Ge	,	ПΥ	es ✓ No		Nam	Name		Тор	Datum
Cores Taken	ological ourvey	 □ Y			Paw	nee Lime		891 GL	26
Electric Log Run (Submit Copy)		 ✓ Y			Exce	ello Shale		1024 GL	-107
List All E. Logs Run:					V Sh	ale		1076 GL	-159
Compensated D	ensity Neutron				Mine	eral Coal		1119 GL	-202
Dual Induction					Miss	sissippian	·	1387 GL	-470
	·	Repo	CASING ort all strings set-c				tion, etc.		
Purpose of String	Size Hole Drilled		ze Casing It (In O.D.)		eight . / Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	· · · · · · · · · · · · · · · · · · ·	24		20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"		10.5		1477'	Thick Set	155	10# KOL seal @ sx
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Perforate Top Bottom Top Bottom Protect Casing Plug Back TD					JEEZE RECORI		Percent Additives	
Shots Per Foot			RD - Bridge Plug		e		cture, Shot, Cemen		
		<u>-</u>	Each Interval Per	rorated		(Amount and Kind of Material Used) Depth			
See Attached Page Nov 91 200 CONFIDENT							NOV 1 2006 DMFDENTIAL		
TUBING RECORD	Size	Set At		Packer	At	Liner Run	Yes V No		1 00 1/1
	3/8" d Production, SWD or E	1358' Enhr.	Producing Met	nod	Flowing				er (Explain)
Estimated Production Per 24 Hours	Oil O	Bbis.	Gas 188	Mcf	Wate	er E	Bbls. C	Gas-Oil Ratio	Gravity ECEIVED
Disposition of Gas	METHOD OF (COMPLETION	NC			Production Inte	rval		PORATION COMMISSION
Vented Sold (If vented, So	Used on Lease		Open Hole Other (Speci	[✓] Per	rf. [][Dually Comp.	Commingled _	AU	G 2 7 2007

CONSERVATION DIVISION WICHITA, KS

Layne Energy, Inc.

11/21/08

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

August 24, 2007

Mr. Steve Bond Kansas Corporation Commission Oil & Gas Conservation Division 130 S. Market, Room 2078 Wichita, KS 67202



Re:

Amended Well Completion Forms

MacLaughlen Darleng

Dear Mr. Bond:

I have enclosed the amended ACO-1 form and associated data for the following well:

API # 15-125-31043-00-00 Schabel 4-25

We respectfully request that all information submitted be kept confidential. Per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information, please contact-me at (913) 748-3960.

Sincerely,

MacLaughlin Darling

Engineering Technician

Enclosures

cc:

Well File

Field Office





RECEIVED KANSAS CORPORATION COMMISSION

CONFIDENTIAL

KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION

September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

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Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	660 feet from S / (N) (circle one) Line of Section
Purchaser:	660 feet from E / (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: Thornton Air Rotary CONFIDENTIAL	Lease Name: Schabel Well #: 4-25
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 917 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1482 Plug Back Total Depth: 1477
Oil SWD SIOWTemp. 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 1477
Operator:	feet depth to Surface w/ 155 sx cmt.
Well Name:	A11
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm 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:
7/26/2006	Quarter Sec TwpS. RKCC WEast West
Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs at TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. months if requested in writing and submitted with the form (see rule 82-3- nd geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	
Signature:	KCC Office Use ONLY
Title: Agent Date: 11/21/06	Letter of Confidentiality Attached
Subscribed and sworn to before me this 21 day of	If Denied, Yes Date:
Na A A A	Wireline Log Received
20 (Geologist Report Received
Notary Public: TYLL COMPANY Public:	UIC Distribution
Date Commission Expires: 12128109	

NOTARY PUBLIC - State Of Kansas BROOKE C. MAXFIELD My Appt. Exp. |2 |28 | 09

Operator Name: Lay	ne Energy Opera	ating, LL	<u> </u>	Lea:	se Name:	Schabel		Well #: 4-2)	
Sec. 25 Twp. 3	S. R. 14	✓ Eas	t 🗌 West		nty: Mont				<u> </u>	
INSTRUCTIONS: S tested, time tool ope temperature, fluid red Electric Wireline Log	n and closed, flowing covery, and flow rate	g and shut s if gas to	t-in pressures, surface test, a	whether along with	shut-in pre	essure reached	static level, hydr	ostatic pressure	es, botton	n hole
Drill Stem Tests Take		Y	es 🗸 No		V L	og Format	ion (Top), Depth	and Datum	s	ample
Samples Sent to Ge	ological Survey	Y	es 🗸 No		Nam	е		Тор	D	Datum
Cores Taken	,	Y	es 🗸 No		Paw	nee Lime		891 GL	2	6
Electric Log Run (Submit Copy)		✓ Y	es □No	910		ello Shale		1024 GL		107
List All E. Logs Run:			Me	<i>Ŋ</i> ₩	√ V Sł	nale		1076 GL	-1	159
Compensated D	ensity Neutron		MON 3	1 201	Mine	eral Coal		1119 GL	-2	202
Dual Induction	·		CONFI	DEN	Miss	sissippian		1387 GL	-4	470
		Repo		RECORE	-	ew Used	ction, etc.			
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)		/eight	Setting Depth	Type of Cement	# Sacjs Used		and Percent
Surface	11	8.65		24		20'	Class A	4	<u> </u>	1 cement
Casing	6.75	4.5		10.5		1477'	Thick Set	155		
			ADDITIONAL	CEMEN	TING / SQL	JEEZE RECOR	D			
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	#Sac	#Sacks Used Type an			d Percent Additives RECEIVED NOV 2 2 2006 KCC WCHJA		
Protect Casing Plug Back TD								Λ	IDV.	IVED
Plug Off Zone								4	A 5.5	? 2006
						1		KC	WIO	7.11-
Shots Per Foot	Specify	Footage of I	RD - Bridge Plug Each Interval Per	gs Set/Typ rforated	oe 		acture, Shot, Cemer Amount and Kind of M	nt Squeeze Hecor laterial Used)	a - 1/C	TIJA
	SI-waiting on co	mpletion)							
TUBING RECORD	Size	Set At		Packe	r At	Liner Run	Yes 🗸 No)		
Date of First, Resumer	d Production, SWD or E	Enhr.	Producing Mel	thod						
SI-waiting on p	<u> </u>				Flowin				er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er l	Bbls.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF C	COMPLETIC	DN		J	Production Inte	erval			
Vented Sold	Used on Lease ubmit ACO-18.)		Open Hole Other (Spec	_	erf. [] I	Dually Comp.	Commingled			

KCC NOV 2 1 2003 CONFIDENTIAL

MORNING COMPLETION REPORT

KRD

eport Called in by: : John Ed	Report taken by:

LEASE NAME & # SCHABEL 4-25		AFE#	DATE	DAYS	CIBP	PBTD PROPERTY		
					DEPTH	TYPE FLUID		
		G01028500100	7/26/2006	1	TYPE	[
PRESENT OPERATI	ON:		DDU L OUT	CDOM LINDED CUDEAC	<u>_</u>	VIS		
DEEPEST CASING	LINERS OD TOP & SHOE	DERTH		FROM UNDER SURFAC		Ivio		
OD SHOE DEPTH	LINERS OD TOP & SHOE	DEPIN	REPAIR DOWN TIME HRS		CONTRACTOR MOKAT RIG NO			
OD SHOE BEF III	8 5/8" 24# J-55 Set 20"		TEST	PERFS	ING NO	+		
PACKER OR ANCHOR	FISHING TOOLS	OD ID	то		SQUEEZED OR PLUG BACK PERFS			
			1	то		то		
				то		то		
				то		то		
			<u> </u>	ТО	<u> </u>	TO		
HRS	BRIEF DESCRIPTION	N OF OPERATION	ON					

			5 44 1101 5	001 DEED DULLAU 4 IT 0				
	MIRU THORTON DR	ILLING, DRILLE	D 11" HOLE,	20' DEEP, RIH W/ 1 JT 8	5/8" SURFACE CASING	,		
			***			1.		
	MIXED 4 SXS TYPE	1 CEMENT, DU	MPED DN TH	E BACKSIDE, SDFN.				

					•···	RECEIR		
						, LUEIVED		
						NOV 22 2		
				· · · · · · · · · · · · · · · · · · ·		- 10 × 2 2 200		
						RECEIVED NOV 2 2 2000 KCC WICHITA		
			····			ACC WIPLIA		
						/ווחטייי		
						·		
DAILY COST ANALY	V010					•		
DAILT COST ANAL	1313							
				DE	TAILS OF RENTALS, SERVICE	ES, & MISC		
RIG		<u></u>		DRILLIN	G @ 7.50/ft			
	•			MOKAT (CEMENT)	80		
SUPERVISION	200				RKS (LOC,RD, PIT)	400		
SUPERVISION	200							
				SURFAC	E CASING	200		
RENTALS				LAND/ LE	GAL	2000		
SERVICES	400							
SERVICES	400							
MISC	2280							
								
					······································			
DAILY TOTALS	2880	PREVIO	US TCTD	<u> </u>				

Co./Dept.

Phone #

Phone #

Fax ii

RECEIVED

NOV 2 2 2006

10421 TICKET NUMBER_ LOCATION Fureka FOREMAN Troy Strickler

ESTIMATED

TOTAL

DATE

CONSOLIDATED OIL WELL SERVICES, INC. 2 1 P.O. BOX 884, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

ENTIAKCG WIGHTAICKET

		TRE	AJMENI	CEMEN		- -		
	OUSTONED #	WELL	VELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
DATE	CUSTOMER#			·				ma_
7-31-06	4758	Schabel	<u>4-25</u>		rag (t		75.16.4 d	DRIVER
USTOMER	-a Eagu				TRUCK#	- DRIVER	TRUCK#	DINVE
AILING ADDRI	ne Energy			Gus	446	Calin		
_				Gus Jones	S02	Cliff		
1TY	Box 160	STATE	ZIP CODE					
		Ks			•			
Sycamo			34"	HOLE DEPT	1482	CASING SIZE & W	EIGHT Ya"	103-
OB TYPE	and entired	HOCE 3:20	<u></u>	TUBING			OTHER	
asing Depth	1_1977	DRILL PIPESLURRY VOL	Peli	WATER gal	sk 8°	CEMENT LEFT In	CASING 0	
LURRY WEIG	HTT			MIV BEL 12	00 Brown Plus	RATE		
isplacemen	it <u>235</u> Bhl	DISPLACEMENT	PSI	MIX F 51,		R' 40	PRTD 1477	1 w / 4981
EMARKS: ,	Safety Mo	eting: Rg	up to 43	Carlog		down Ria	us to Cem	ent.
water A	ump_15BN_	CAI- FRANK	_Romp_	ORLL WA	Joy Shut	down Rig	1.SS.cks	Thick Set
Rimo 10			Flush	1484	ye batter	red art	Ome + lines	Release
Cemen	+ W/ 100	KOI-SON	Por/SK @	13.20	7-73-1	<u> </u>	AST Bear	Plan to
	Displace w	1 23.5 Bb	b)ater_	Final	flyg H	- 700	1 Come	£ 10
1200 8		. 2 mins	Releas	e Press	ic Float	Hald. Go	od Cemen	
Surface	: 1	Jum H	PA-					
July-ac Z	<u> </u>					<u> </u>		
			J	ob Comy	Jeks_			
								
ACCOUNT	T	DI ON LIMITE	0	ESCRIPTION	of SERVICES or F	PRODUCT	UNIT PRICE	TOTAL
CODE	QUANTI	Of UNITS					800.00	800.00
5401			PUMP CHARG	<u> </u>		41	3.15	-0
5406	40		MILEAGE	200	1 of 2mg	1.5	+ 3	
							141.5	2270.7
1126A	15	Ssks	Thick	Set Cer	most		14.65	
	155		Kol-Se		Portsk		.36"	558.00
ILLOA	700				·			
4	20		Gel-Flu	al			. 14 14	28.00
1118A			Maria	ما ده ۱۰	Pre-Flush		1.65 #	82.50
IILIA	So		III ETES	L'ERT				
			 			- L	1.05	357.84
5407 A	8.5	Ton_	Ton -1	Wil care	Bulk To	vck		
							110 00	40.00
4404	,		42"	TOP Ru	Her Plug		40.00	70.00
דטרך	+			-,				
								
	<u> </u>							
		5		3				
					nk You!			
st-It" Fax No	te 7671	Day	11	De De	nk iou;		Sub Total	4137.0
Bhook	60)	From Michel	lle_			53%	SALES TAX	51.89
		Co #5200.4	ACCIONOCOO					

GEOLOGIC REPORT

LAYNE ENERGY
Schabel 4-25
NW NW, 660 FNL, 660 FWL
Section 25-T31S-R14E
Montgomery County, KS



Spud Date:	7/26/2006	DP a
Drilling Completed:	7/28/2006	RECEIVED
Logged:	7/28/2006	NOV 2 2 2006
A.P.I. #:	1512531043	
Ground Elevation:	917'	KCC WICHITA
Depth Driller:	1482'	MINIO

Depth Logger: 1479'
Surface Casing: 8.625 i

Surface Casing: 8.625 inches at 20'
Production Casing: 4.5 inches at 1477'

Cemented Job: Consolidated

Open Hole Logs: Dual Induction SFL/GR, High Resolution

Compensated Density/Neutron

Formation Tops (in feet below ground level)

Lansing Group

Pawnee Limestone

Excello Shale

"V" Shale

Mineral Coal

Mississippian

Surface (South Bend Limestone Member)

891

1,024

1,076

1,119

1,387

1900 Shawnee Mission Farkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

November 21, 2006

Kansas Corporation Commission Oil & Gas Conservation Division 130 S. Market, Room 2078 Wichita, KS 67202

Re: Well Completion Form

To Whom It May Concern:

I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31043 Schabel 4-25

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,

Brooke C. Maxfield

Enclosures

Well File Cc Field Office

