CONFIDENTIAL

KANSAS CORPORATION COMMISSION RIGINAL OIL & GAS CONSERVATION DIVISION

~ Form ACO-1 September 1999 Form Must Be Typed

WICHITA, KS

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31077 ~00~00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	657 feet from S/ N (circle one) Line of Section
Purchaser:	660 feet from E / ((circle one) Line of Section
Operator Contact Person: Victor H. Dyal	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960 JAN J	
Phone: (913) 748-3960 Contractor: Name: McPherson Drilling CONFIDENTIAL	Lease Name:Dunham Well #: 13-10
icense: 5675	Field Name: Cherokee Basin Coal Area
Vellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 874 Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 1185 Plug Back Total Depth: 1173
OilSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21 Feet
✓ GasENHR ✓ SIGW	Multiple Stage Cementing Collar Used? Yes VNo
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
·	If Alternate II completion, cement circulated from 1173.4
f Workover/Re-entry: Old Well Info as follows:	feet depth to Surface w/_120sx cmt.
Operator:	leet deptin tosx cmt.
Vell Name:	Drilling Fluid Management Plan A (+11 NH 9-4-08
Original Comp. Date: Original Total Depth:	(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 Docket No	Occupants No. 1971
Other (SWD or Enhr.?) Docket No	Operator Name:
9/18/2006 9/20/2006	Lease Name:License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R
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	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, wer 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-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
Il requirements of the statutes, rules and regulations promulgated to regulerein are complete and correct to the best of my knowledge.	late the oil and gas industry have been fully complied with and the statements
ignature:	KCC Office Use ONLY
itle: Agent Date: 1/15/2007	Letter of Confidentiality Attached
15 \\ \text{2010.01}	
Subscribed and sworn to before me thisday of	, Wireline Log Received
	Geologist Report Received RECEIVED
lotary Public: TYOUL C. NYWY	UIC Distribution KANSAS CORPORATION COMMISS
17/78/19	JAN 1 6 2007
Date Commission Expires: NOTARY PUBLIC State Of Kan BROOKE C. MAXFIELD	COMPERMENT

BROOKE C. MAXFIELD My Appt. Exp. 220

Operator Name: Lay	ne Energy Opera	ating, LL	C .	Lease	Name:_	Dunham		Well #: <u>13-</u>	10
Sec. 10 Twp. 3				County	y: Monto	gomery			water to the second sec
INSTRUCTIONS: Si 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 sl llong with f	hut-in pre	ssure reached	static level, hydro	ostatic pressur	
Drill Stem Tests Take		Y	es 🗸 No		V L	og Format	ion (Top), Depth	and Datum	Sample
Samples Sent to Geo	,	ΠY	es 🗸 No		Nam	е		Тор	Datum
Cores Taken	ological cultury	Y	_		Paw	nee Lime		556 GL	318
Electric Log Run (Submit Copy)		✓ Y			Exce	llo Shale		694 GL	180
List All E. Logs Run:			KCU	a91	V Sh	ale		745 GL	129
Compensated D	ensity Neutron		IAN 152	MU	Mine	eral Coal		781 GL	93
Dual Induction	• · · • · · · · · · · · · · · · · · · ·	G	JAN 15 CO		Miss	sissippian		1108 GL	-234
				RECORD	✓ Ne		ction, etc.		
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11	8.65		24		21'	Class A	4	Type 1 cement
Casing	6.75	4.5		10.5		1173'	Thick Set	120	
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORI)		
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Туре	e of Cement		s Used			Percent Additives	3
Plug Off Zone									-
Shots Per Foot	PERFORATI Specify	ON RECOR	RD - Bridge Plug Each Interval Per	gs Set/Type forated	!		acture, Shot, Cemer mount and Kind of M		rd Depth
	SI-waiting on co	mpletior	1						·OF" (FD
							B	KANSAS CORP	CEIVED ORATION COMMISSION
								AL	1 6 2007
									VATION DIVISION CHITA, KS
TUBING RECORD	Size	Set At		Packer /	At	Liner Run	Yes ✓ No		
Date of First, Resumer	d Production, SWD or E	Enhr.	Producing Met	thod					
SI - waiting on					Flowing	g Pump	ing Gas L	ift Oth	er (Explain)
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er l	3bls.	Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF C	COMPLETION	NC	<u></u>		Production Inte	rval	Let Market	
Vented Sold	Used on Lease ubmit ACO-18.)		Open Hole Other (Spec	Per	f. [][Dually Comp.	Commingled	<u> </u>	

GEOLOGIC REPORT

WCC JAN 15 2007 CONFIDENTIAL

LAYNE ENERGY
Dunham 13-10
SW SW, 657 FSL, 660 FWL
Section 10-T31S-R16E
Montgomery County, KS

Spud Date:	9/18/2006
Drilling Completed:	9/20/2006
Logged:	9/20/2006
A.P.I. #:	1512531077
Ground Elevation:	874'
Depth Driller:	1185'
Depth Logger:	1185'
Surface Casing:	8.625 inches at 21'

Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1173'

Cemented Job: Consolidated

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

Compensated Density/Neutron

FormationTops (in feet below ground level)Kansas City GroupSurface (Cottage Grove Sandstone)Pawnee Limestone556Excello Shale694"V" Shale745Mineral Coal781Mississippian1,108

RECEIVED KANSAS CORPORATION COMMISSION

JAN 16 2007

CONSERVATION DIVISION WICHITA, KS

Daily Well Work Report

DUNHAM 13-10 9/18/2006

Well Location: MONTGOMERY KS 31S-16E-10 SW SW 657S / 660W Cost Center Lease Number C01033200100 C010332

Property Code API Number

KSCV31S16E1013

15-125-31077

Spud	Date	RDMO Date F	irst Compl F	irst Prod	EFM Install	CygnetID
 9/18/2	2006	9/20/2006				DUNHAM_13_10
TD	PBTI	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size	Pump Seat Depth
1185	1173.	4 21	1173			

Reported By

Rig Number

Date

9/18/2006

Taken By
Present Operation

Down Time Contractor

Narrative

MIRU Mcpherson Drilling, drilled 11'hole, 21" deep, rih w/1 jt 8-5/8" surface casing. Mixed 4 sxs type 1 cement, dumped dn the back side. SDFN.

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JAN 16 2007

CONSERVATION DIVISION WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC. P.O. BOX 884, CHANUTE, KS 66720 629-431-9210 OR 800-467-8676

TICKET NUM	BER 10759
LOCATION_	Eureta
FOREMAN	Tou Strictler

TREATMENT REPORT & FIELD TICKET

CEMENT

DATE	CUSTOMER #	T NAVE	11 11415 0 10	11.1050				
DATE	COSTOWER#	VVE	LL NAME & NU	JMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-21-06	4758	Dunha	in 13.	-10				MG
CUSTOMER								
Layon	e Energy				TRUCK#	DRIVER	TRUCK# "	DRIVER
MAILING ADDR	ESS			Jones	446	Cliff		
Ρ.Ο.	Bar 160			As I	442	Jeff	JAN 15	2007
CITY		STATE	ZIP CODE					NISCI A I
Syramor	·c	Ks	1				JUNITHUE	1 0 00 0em
JOB TYPE	ngstring	HOLE SIZE	634.	HOLE DEPTH	1182'	CASING SIZE & V	VEIGHT 4/5 *	10.50
CASING DEPTH	1/73'	DRILL PIPE		TUBING			OTHER	
SLURRY WEIGH	IT 13-2 F	SLURRY VOL_	38861	WATER gal/sl	80	CEMENT LEFT in		
DISPLACEMENT	18.7861	DISPLACEMEN	IT PSI 600	_ MIX PSI				
REMARKS: 5	afetu Mee	times Ria	Kn to	45" CO	sies Rea	et Circulat		
Puro 45	t Gel-Flu	d 5841	رماعب	10 met	en line be	Por-Flyl,	10011 1 1	and and
Due W	ater M	ixed 120	or T	bock Cot	Sement	~/ 10 M KO	La la Re	14 00
13.24 6			Rems +		elease f	<i>A</i>		
water.	Final	0	Pressur				ce ul	I .
wai t	-	Roleage				inp Play	te 1100	P.S.L.
- 4			PROSW	E. 7/00.	FACH.	100 d	ement	<u>+o</u>
Surface	= 8861 276	up to Pe	<i>*</i>	-				
				Job Complex	le.			
								-1
ACCOUNT CODE	QUANTITY	or UNITS		DESCRIPTION of	SERVICES or PRO	DDUCT	UNIT PRICE	TOTAL

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	-0 - :: .	MILEAGE 2nd of 3wils	-6-	-6-
1126A	120sks	Thick Set Coment	14.65	1758.00
IIIOA	1200#	Thick set Cement Kol-Seel 10" Poffel	,36 *	432.00
IIISA	200 4	Gel-Flush	.14*	28.00
IIIIA	50 4	Metasilicate la-Flux	1.65%	82.50
5407A	6.6 Tan	Ton-Milege 40 miles	1.05	277.20
4404		44" Top Rubber Phy	40.00	40.00
		RECEIVED KANSAS CORPORATION COMMIS	SION	
		JAN 16 2007		
		CONSERVATION DIVISION		
		Thank but MICHITA, KS	Sub Total	3417.70
		537	SALES TAX	- 104.04.

209891

ESTIMATED TOTAL

54174

AUTHORIZATION Called by John Ed.

TITLE_

DATE____

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

January 15, 2007

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 # 15-125-31077 Dunham 13-10

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

Cc Well File Field Office

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 16 2007

CONSERVATION DIVISION WICHITA, KS



CONFIDENTIAL

Kansas Corporation Commission Oil & Gas Conservation Division

ISSION OP/G/MAL

Form ACO-1 September 1999 Form Must Be Typed

1/15/09

AMENDED

WICHITA, KS

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31077-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	657 feet from S / N (circle one) Line of Section
Purchaser:	660 feet from E / (circle one) Line of Section
Operator Contact Person; M. Brent Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960 Controller McPherson Drilling CORFIDENTIAL	(circle one) NE SE NW SW
Contractor: Name: McPherson Drilling CONFIDER 1	Lease Name: Dunham Well #: 13-10
License: 5675	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 874' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1185' Plug Back Total Depth: 1173'
SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21 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
Operator:	feet depth to Surface w/ 120 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Despening Re-perl Conv. to Enhr./SWD	Chloride content N/A pom Fluid volume bbis
Plug BackPlug 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:
	Lease Name:
9/18/2006 9/20/2006 6/12/2007 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter
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 a 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. I 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
All requirements of the statutes, rules and regulations promulgated to regulat herein are complete and confect to the best of my knowledge.	e the oil and gas industry have been fully complied with and the statements
Signature: MA THOR	KCC Office Use ONLY
Title: Agent Date: 18/1/0 /	Letter of Confidentiality Attached
Subscribed and sworn to before me this	If Denied, Yes Date:
20	Wireline Log Received KANSAS CORPORATION COMMISSI
Man hulling March 1.	Geologist Report Received
Notary Public: // Westury New Sarray	MacLAUGHLIN DARLING OCT 0 2 2007
Date Commission Expires: 1-4-2009	Notary Public State of Kemas CONSERVATION DIVISION

My Appt. Expires 1-4-2009

Side Two

Operator Name: Layn	e Energy Opera	ating, LLC	Lease I	Name: Duni	nam		_ Well #: 13-	10	
Sec. 10 Twp. 31				Montgome		scaraconsconsconstantenados	***************************************	odd ng gaf nghlaugut cypris ar po chryt y begne complea cyt gynt gant gannad milet ar hadd woderd	
eated, time tool open : emperature, fluid reco	and closed, flowing very, and flow rate	and base of formations g and shut-in pressurer is if gas to surface test, final geological well site	s, whether shu along with fir	ut-in pressur	e reached s	static level, hydr	ostatic pressur	res, bottom hole	
Orill Stem Tests Taken (Attach Additional St	heato)	☐ Yes ☑ No	-	∑ Log	Formatio	on (Top), Depth	and Datum	☐ Sample	
Samples Sent to Geok	•	☐ Yes ☑ No		Name			Тор	Datum	
Cores Taken		☐Yes ☑No		Pawnee	Lime		556 GL	318	
Electric Log Run		☑ Yes ☐ No	٠	Excello S	Shale		694 GL	180	
(Submit Copy) List All E. Logs Run:		KC		V Shale			745 GL	129	
•		1AN 15	2007	Mineral (Coal		781 GL	93	
Compensated Density Neutron Dual Induction		CONFID	JAN 1 5 2007 CONFIDENTIAL		Mississippian			-234	
		CASIN Report all strings se	G RECORD t-conductor, sur	lecence 4	Used Sate, product	ion, etc.	·····	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Purpose of String	Size Hole Orilled	Size Casing Set (to O.D.)	Weigi Ubs./1	Int	Setting Depth	Type of Cement	# Sacja Used	Type and Percent Additives	
Surface	11"	8.625"	24	21'		Class A	4	Type 1 cement	
Casing	6.75"	4.5"	10.5	117	73'	Thick Set	120	10# KOL seal @ sx	
						-	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		ADDITION	AL CEMENTIN	G / SQUEEZ	E RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks (Jsed	ed Type and Percent Additives				
Protect Casing Proteg Back TD Plug Off Zone					***************************************				
Shote Per Foot	PERFORATI Specify	ION RECORD - Bridge Pi Footage of Each Interval P	lugs Set/Type Perforated			cture, Shot, Cemer rount and Kind of M		rd Depth	
\$	See Attached Pa	age			300040001111001100100000000000000000000	***************************************	**************************************		
	***************************************						***************************************		
TUBING RECORD	Size	Set A1	Packer At		er Awn		······································		
2-3/		814'	i annes Mi	9		Yes V No)		
Date of First, Resumerd i 6/19/2007	Production, SWD or E	Enhr. Producing M		Flowing	✓ Pumpir	ng []Gas1	in Josh	er (Explain)	
Estimated Production Per 24 Hours	.0 ⊘∌	8bb. Gas < 1	Mof	Water 3	8	ols.	Gas-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF (COMPLETION		Pro	duction Inter	væl		RECEIVED	

	Layne Energy Operating, LLC.		
Lease Name:	Dunham 13-10		
	Sec. 10 Twp. 31S Rng. 16E, Montgomery County		
API:	15-125-31077-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Initial Po	erforations	
	Mineral 781' - 783'	7900 lbs 20/40 sand	
4	Croweburg 745' - 747.5'	510 bbls water	722.5' - 783'
	Bevier 722.5' - 724.5'	418 gals 15% HCl acid	



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OCT 0 2 2007

Layne Energy, Inc.

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

October 1, 2007

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



Re:

Amended Well Completion Forms

Dear Mr. Bond:

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

API # 15-125-31077-00-00 **Dunham 13-10**

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,

aughlin Darling MacLaughlin Darling **Engineering Technician**

Enclosures

cc:

Well File Field Office

> RECEIVED KANSAS CORPORATION COMMISSION

> > OCT 0 2 2007

CONSERVATION DIVISION WICHITA, KS

