# CONFIDENTIAL

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1 September 1999

September 1999
Form Must Be Typed

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31092-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	NE_SW Sec. 7 Twp. 31 S. R. 15 V East West
City/State/Zip: Mission Woods, KS 66205	1980 feet from S / N (circle one) Line of Section
Purchaser:	1980 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: Thornton Air Rotary CONFIDENTIAL	Lease Name: Likes Well #: 11-7
.icense: 33606	Field Name: Cherokee Basin Coal Area
Vellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 950 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
f 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 A (+ II NH 9-4-08) (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	,,,
Commingled Docket No.	Dewatering method used N/A - Air Drilled
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
Other (SWD of Limite)	Lease Name: License No.:
9/7/2006 9/11/2006  Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date  Bate Reached 1B  Completion 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.
	late the oil and gas industry have been fully complied with and the statements
nerein are complete and correct to the best of my knowledge.	
Signature: MS Natha	KCC Office Use ONLY
Agant 1/4/07	Laws of Confidentiality Amarkad
11 \0.00	Letter of Confidentiality Attached  If Denied, Yes Date:
Subscribed and sworn to before me this day of	Wireline Log Received
20007 Produce C What I So	Contagint Papart Resolved RECEIVED
Notary Public: 170010 . 110000	UIC Distribution KANSAS CORPORATION COMN
Date Commission Expires: 12 28 09	JAN 0 5 2007
NOTARY PUBLIC - State Of	
BROOKE C. MAXFIE My Appt. Exp. 12 28	WICHITA, KS

perator Name: Lay	ne Energy Opera	ating, LLC	Lease	Name: Lik	es		Well #:11-7	<u> </u>	
	1 S. R. <u>15</u>			Montgor	nery				
ested, time tool oper emperature, fluid rec	now important tops a n and closed, flowing covery, and flow rate s surveyed. Attach f	g and shut-in pressi s if gas to surface t	ures, whether sh est, along with fi	ut-in pressi	ure reached s	tatic level, hydro	ostatic pressur	es, botto	m hole
rill Stem Tests Take		☐ Yes 🗸 N	No	<b>√</b> Log	Formatio	n (Top), Depth a	and Datum		Sample
Samples Sent to Geological Survey			No	Name			Тор	I	Datum
ores Taken		Yes V	No	Pawne	e Lime		896 GL		54
lectric Log Run (Submit Copy)		✓ Yesn	No	Excello	Shale		1025 GL		75
ist All E. Logs Run:		WC	200	V Shale	Э		1083 GL	-	133
Compensated Do	onsity Noutron	MG	∫ . 6007	Minera	l Coal		1129 GL	-	179
Dual Induction	ensity Neutron	IAN (	JAN 0 4 2007 CMFIDENTIAL		Mississippian			-	-429
outside American		CA	SING RECORD s set-conductor, su	✓ New Irface, interm	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacjs Used	Type A	and Percent
Surface	11	8.65	24		0'	Class A	4		1 cement
Casing	6.75	4.5	10.5	1	477'	Thick Set	155		
		ACCIT	ONAL OFMENTIN	10 / 00 / 5	75 850080	AV			
Purpose:	Depth	Type of Cemen		CEMENTING / SQUEEZE RECORD  #Sacks Used Type and F			Percent Additives		
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom	Type of Cerner	n #Jacks	Oseu		1,750 a.i.d			
Shots Per Foot		ON RECORD - Bridg				ture, Shot, Cemer		rd	Depth
,,,,,	SI - waiting on o								
	Or - Waiting on C	ompletion .					KANSAS COI	NECE!	VED.
- 144								N 0 5	
							CONSE	RVATION	DIVISION
TUBING RECORD	Size	Set At	Packer A	At I	iner Run	Yes ✓ N		VICHITA,	KS
Date of First, Resumer	d Production, SWD or I	Enhr. Produci	ng Method						
SI - waiting on				Flowing	Pumpir	ig Gas L	.ift Oth	er (Explair	ı) .
Estimated Production Per 24 Hours	Oil	Bbls. Gas	s Mcf	Water	Bi	ols.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF	COMPLETION		F	Production Inter	/al			
Vented Sold	Used on Lease	= .	n Hole Perf	. Dua	ally Comp.	Commingled			,

## **Daily Well Work Report**

**LIKES 11-7** 9/7/2006

Well Location: MONTGOMERY KS 31S-15E-7 NE SW 1980FSL / 1980FWL

**Cost Center Lease Number Property Code API Number** 

G010183 GLNA187 15-125-31092

G01018300200

**Spud Date** 

**RDMO Date** First Compl

**EFM Install** First Prod

CygnetID

9/7/2006

9/11/2006

Sf Csg Depth Pr Csg Depth

Tbg Size

Csq Size

**Pump Seat Depth** 1477

TD 1482

1477

20

1477

Reported By

Rig Number

**Date** 

9/7/2006

Taken By

**Down Time** 

**Present Operation** 

Contractor

### **Narrative**

MIRU Thorton Drilling, drilled 11'hole, 20" deep. RIH w/1jt 8-5/8" surface casing. Mixed 4 sxs type 1 cement, dumped dn the back side. SDFN.



RECEIVED KANSAS CORPORATION COMMISSION

JAN 0 5 2007

**CONSERVATION DIVISION** WIGHITA, KS

SEP-14-2006 07:49 AM Consolidated Oil Well SU 62057-5679

P. 01

CONSOLIDATED OIL WELL SERVICES, INC. P.O.: BOX'884; CHANUTE, KB 88720 JAN 0 4 2007

TICKET NUMBER\_\_\_ LOCATION EUREKA FOREMAN LICE LEGIBLE

620<sup>1</sup>431-8210 OR 800-467-8676

## TREATMENT REPORT & EIELD TICKET CEMENT

				O COLUMN				A
DATE	CUSTOMER#	WE	LL NAME & NU!	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-12-06	¥258	L3453	11-7					mG
USTOMER					指面到,不过			200.450
<i>اندا</i>	ouns Energ	SY		GUS	TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			Sones	463	Alan			
ρ.	O. Box	160			502	Caun		<u> </u>
ITY ;	<del></del>	STATE	ZIP CODE	Ì				
<b>Syze</b>	mole.	K5						
<u>Y</u>	otrine	HOLE 912E	654"	HOLE DEPTH	1482'	CASING BIZE & W	EIGHT 41/2"	10,54
	147.7				· · · · · · · · · · · · · · · · · · ·		OTHER	
LIDDY WEIGH	T /3,2 #				k 8.0	CEMENT LEFT in	CASINGO_	
ioni accheria	23.5 BN	DISOLACEME	NT PSI (600					
ISPLACEMENT	C-Cal	. 1. 0.	4. 4.	lle" sid a	Rosert	circulation	11/35	Sh)
EMARKS:	SALLIA WE	21109 PIG	3 40 70 7	<u> 12                                   </u>	0/64		ا مراس س	الاصلم
			3×3 ger-	7855	601 DAT	e specer, 1	1	<u> </u>
ore fl	3h 13	(Bb)	YE LINH	r. 170		sks thierse	T CEMM	I
4/10	* Kol-seg)	Kx Q1	3. 4 FE/6A	c, uash	t gang tu	- Ines rela	se plyg.	
Disal	ce w/2	3,5 Bb) .	fresh wa	ter fine	al pump	pressure l	00 PS1.	
A	a also the	1100 03	E. wolf	2 mins	(c)6018 0	resure floor	nold. Goo	لع
		the end	Aug = Q	and sluce	ru to pit	. Jab comp	lote. Ria d	<b>NO.</b>
		10 30	174					
			" -	PHANK YOU	• • • • • • • • • • • • • • • • • • • •			

ACCOUNT	QUANTITY of UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE	3.15	126,00
112loA	155 545	Thickset cement	14.65	2270.75
IIIOA	1550 *	10 story Kol-scal	, 34	558.00
UISA	200 2	Gel-flush	, 14	28.00
UUA	504	metasiliate pre-flush	1.65	82.50
5407A	85	Ton-milege - BUIK TAK	1.05	358.26
4404		41/2" top subber plus	46.00	40.00
		RECEIVED KANSAS CORPORATION COMMISSION		
	1	JAN 0.5 2007		
		CONSERVATION DIVISION	Substata/	4263.51
		WIOLITA KS 5.3%	SALES TAX	157,90
			ESTIMATED TOTAL	4421.41

AUTHORIZATION CAlled by John Ed

## **GEOLOGIC REPORT**

LAYNE ENERGY
Likes 11-7
NE SW, 1980 FSL, 1980 FWL
Section 7-T31S-R15E
Montgomery County, KS

Spud Date:	9/7/2006	KCC
Drilling Completed:	9/11/2006	JAN 0 4 2007
Logged:	9/11/2006	COMSIDE
A.P.I. #:	1512531092	CONFIDENTIAL
Ground Elevation:	950'	~
Depth Driller:	1482'	
Depth Logger:	1478'	
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	Surface (Stoner Limestone Member)					
Pawnee Limestone	896					
Excello Shale	1,025					
"V" Shale	1,083					
Mineral Coal	1,129					
Mississippian	1,379					

RECEIVED KANSAS CORPORATION COMMISSION

JAN 0 5 2007

CONSERVATION DIVISION WICHITA, KS

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

January 4, 2007

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

KCC JAN 0 4 2007 CONFIDENTIAL RECEIVED KANSAS CORPORATION COMMISSION

JAN 0 5 2007

CONSERVATION DIVISION WIGHTALKS

Re: Well Completion Form

To Whom It May Concern:

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

API # 15-125-31092 Likes 11-7

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



## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

## **WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed
AMENDED

Operator: License # 33365	API No. 15 - 125-31092-00-00
Name: Layne Energy Operating, LLC	
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	1980 feet from S/ N (circle one) Line of Section
Purchaser:	1980 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  Contractor: Name: Thornton Air Rotary	(circle one) NE SE NW (SW)
Contractor: Name: Thornton Air Rotary	The Lease Name: Likes Well #: 11-7
Contractor: Name: Thornton Air Rotary  License: 33606  CONFIDENT	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 950' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1482' Plug Back Total Depth: 1477'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 20 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
	If yes, show depth setFeet
Dry Other (Core, WSW, Expl., Cathodic, etc)	If Alternate II completion, cement circulated from 1477'
If Workover/Re-entry: Old Well Info as follows:	feet depth to Surface w/ 155 sx cmt.
Operator:	
Well Name:	Drilling Fluid Management Plan
Original Comp. Date: Original Total Depth:	12 312 312 312 313 313 313 313 313 313 3
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.	Operator Name:
Other (SWD or Enhr.?) Docket No.	
9/7/2006 9/11/2006 6/6/2007	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workd Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline log TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged we	with 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-gs and geologist well report shall be attached with this form. ALL CEMENTING ells. Submit CP-111 form with all temporarily abandoned wells.
letern are complete and contect to the best of my knowledge.	
Signature: NO Nath	KCC Office Use ONLY
Title: Agent Date: 10///07	Letter of Confidentiality Attached
Subscribed and sworn to before me this 1 day of October	If Denied, Yes Date:
Ala	Wireline Log Received
$\frac{1}{20}$ $\frac{1}{20}$ $\frac{1}{20}$ $\frac{1}{20}$ $\frac{1}{20}$	Geologist Report Received RECEIVED
Notary Public: MacLaughlen Harling	HIC Distribution KANSAS CORPORATION COMMISSIO
Date Commission Expires: 1-4-2009	MacLAUGHLIN DARLING Notary Public - State of Kansas  OCT 0.2 2007
Date Continuesion Expires.	Notary Public - State of Kansas 007 0 2 2007

Side Two

KCC JAN 0 4 2007

CONFIDENTIAL

Operator Name: Lay	ne Energy Opera	ating, LLC		Lease	Name:_	Likes		Well #:11-	7
Sec. 7 Twp. 3	1 S. R. 15	. 🗸 East	West	County	y: Monto	gomery			
ested, time tool oper emperature, fluid rec	now important tops and closed, flowin covery, and flow rates surveyed. Attach	g and shut-in s if gas to sur	pressures, face test, a	whether slutong with f	hut-in pre	ssure reached	d static level, hydr	ostatic pressur	es, bottom hole
rill Stem Tests Take		☐ Yes	<b>√</b> No		<b></b> ✓L	og Forma	tion (Top), Depth	and Datum	Sample
Samples Sent to Geological Survey ☐ Yes ✓ No				Nam	e		Тор	Datum	
ores Taken	ological callvoy	☐ Yes	✓ No		Paw	nee Lime		896 GL	54
ectric Log Run (Submit Copy)		✓ Yes	No		Exce	ello Shale		1025 GL	-75
st All E. Logs Run:					V Sh	ale		1083 GL	-133
Compensated De	ensity Neutron				Mine	eral Coal		1129 GL	-179
Dual Induction	oo,				Miss	sissippian		1379 GL	-429
				RECORD	✓ Ne	-			
D	Size Hole	Report all Size C		conductor, si		rmediate, produ Setting	tion, etc.	# Sacjs	Type and Percent
Purpose of String	Drilled	Set (In		Lbs.	ΪFt.	Depth	Cement	Used	Additives
Surface	11"	8.625"		24		20'	Class A	4	Type 1 cemer
Casing	6.75"	4.5"		10.5		1477'	Thick Set	155	
		Α	DDITIONAL	. CEMENTI	NG / SQL	JEEZE RECOR	ID		
Purpose: Depth Type of Cement Perforate Protect Casing Plug Back TD		#Sacks	#Sacks Used Type and Percent Addition			Percent Additives	5		
Plug Off Zone	PERFORAT	ION RECORD ·	- Bridge Plus	ns Set/Tyne		Acid Fr	acture, Shot, Cemer	at Squeeze Beco	rd
Shots Per Foot		Footage of Eacl					Amount and Kind of M		Depth
	See Attached P	age							
TUBING RECORD 2-3	Size	Set At 1389'		Packer /	At	Liner Run	Yes 🗸 No	)	
Date of First, Resumer 6/15/2007	d Production, SWD or I	Enhr. P	roducing Met	thod	Flowing	g Pump	oing Gas L	ift Oth	er (Explain)
Estimated Production Per 24 Hours	Oil O	Bbls.	Gas 2	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF	COMPLETION		1.		Production Into	erval		RECEIVED
☐ Vented  Sold	Used on Lease		Open Hole Other (Spec	Peri	f. [][	Dually Comp.	Commingled .	-	CT 0 2 2007

Operator Name:	Layne Energy Operating, LLC.			
Lease Name:	Likes 11-7			
	Sec. 7 Twp. 31S Rng. 15E, Montgomery County			
API:	15-125-31092-00-00			
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth	
	Initial P	erforations		
		2500 lbs 20/40 sand		
4	Rowe 1343' - 1345.5'	252 bbls water	1343' - 1345.5'	
		130 gals 15% HCl acid		
	Mineral 1128' - 1130'	9500 lbs 20/40 sand		
4	Croweburg 1083.5' - 1086'	776 bbls water	1063' - 1130'	
	Bevier 1063' - 1067'	730 gals 15% HCl acid		
	Mulley 1024 5' 1020 5'	10000 lbs 20/40 sand		
4	Mulky 1024.5' - 1030.5' Summit 1006' - 1010'	714 bbls water	1006' - 1030.5'	
	Summit 1006 - 1010	600 gals 15% HCl acid		
	Anna Shale 919.5' - 922.5'	4900 lbs 20/40 sand		
4		376 bbls water	892' - 922.5'	
	Mulberry 892' - 893.5'	750 gals 15% HCl acid		

KCC JAN 0 4 2007 CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

OCT 0 2 2007

CONSERVATION DIVISION WICHITA, KS

## 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

KCC
JAN 0 4 2007
CONFIDENTIAL

Re:

Amended Well Completion Forms

MacLaughlin Darling

Dear Mr. Bond:

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

API # 15-125-31092-00-00 Likes 11-7

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

OCT 0 2 2007

CONSERVATION DIVISION WICHITA, KS

