## Kansas Corporation Commission Oil & Gas Conservation Division

## **ORIGINAL**

Form ACO-1 September 1999 Form Must Be Typed

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

Name_Layne Energy Operating, LLC  Address: 1900 Shawnee Mission Parkway    Section	Operator: License # 33365	API No. 15 - 205-25778-00-02				
Address: 1900 Shawnee Mission Parkway  Chylistardpie, Mission Woods, KS 66205  Christoftor Name; Mission Woods, KS 66205  Contractor, Name; Mission Woods, KS 66205  Children, Sand, Mission Woods, KS 66205  Contractor, Name; Mission Woods, KS 66205  Contractor, Name; Mission Woods, KS 66205  Contractor, Name; Mission Woods, KS 66205  Chestor, Christofte Cooling, Wolf, F. 15-16  Chasse Name; Baddjey, Lead, Cooling, Co	Name: Layne Energy Operating, LLC					
City/State/Zip: Mission Woods, KS 66205  Purchaser:	Address: 1900 Shawnee Mission Parkway					
Section   Sec	City/State/Zip: Mission Woods, KS 66205	• — —				
Contractor Name	Purchaser:	597 feet from (E)/ W (circle one) Line of Section				
Contractor: Name: MOKAT Drilling Licenses: 5831  Well slied Geologist: Designate Type of Completion:  Pesignate Type of Completion:  Swo SiDW French Abd.  Gas ENHR SIGW  Dry Other (Core, WSW, Expl., Cathodic, etc)  If Workover/Re-entry: Old Well Info as follows: Operator, Layre Energy Operating, LLC  Operator Name:  Other (SWD or Enhr.?) Docket No.  Outher of Muld disposal if hauted offsite:  Operator Name:  Lease Name:  Lease Name:  License No:  Operator Name:  Lease Name:  License No:  Operator Name:  Lease Name:  Lease Name:  Lease Name:  License No:  Operator Name:  Lease Name:	Operator Contact Person: Victor H. Dyal					
Contractor: Name: MOKAT Drilling  Licenses: 5831  Well site Geologist: Designate Type of Completion:  Producing Formation: Cherokee Coals  Elevation: Ground: 923' Kelly Bushing: Total Depth: 980' Amount of Surface Pipe Set and Cemented at 20 Feet  Multiple Stage Cementing Collar Used? Type Show Multiple Stage Cementi	Phone: ( 913 ) 748-3960	(circle one) NE SE NW SW				
Field Name   Neodesha	Contractor: Name: MOKAT Drilling					
Wellstle Geologist:  Designate Type of Completion:  New Well Re-Entry Workover  Oil SWD SIOW Temp. Abd.  Morkover/Re-entry: Oid Well Info as follows:  Operator: Layne Energy Operating, LLC  Well Name: Badgley 16-16  Original Comp. Date: 2/10/2005 Original Total Depth: 1173' Original Comp. Date: 2/10/2005 Plug Back Total Depth  Commingled Docket No.  Oother (SWD or Enhr.?) Docket No.  Oother (SWD or Enhr.?) Docket No.  Oother (SWD or Enhr.?) Docket No.  Data Completion Date Place Operator Docket No.  Oother (SWD or Enhr.?) Docket No.  Data Reached TD Completion Date Ornepletion Date or Recompletion Date  NEXTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82:3-130, 82:3-106 and 82:3-107 apply. Information of side two of this form will be held confidential for a period of 12 months; of low part of the spud date, recompletion, workover or conversion of a well. Rule 82:3-130, 82:3-106 and 82:3-107 apply. Information of side two of this form will be held confidential for a period of 12 months; of low part of the spud date, recompletion, workover or conversion of a well. Rule 82:3-130, 82:3-106 and 82:3-107 apply. Information of side two of this form will be held confidential for a period of 12 months; of low part of the spud side well. Submit CP-111 form with all temporarily abandoned wells.  Notating Public: Manager of Engineering  Date: 1/12/3 old  MacLAUGHLIN DARTING inchains  Notating Public: Manager of Engineering  Consequence Coals  Relevator: 1173 Plug Back Total Depth: 1173 Plug Back Tota	License: 5831	Field Name: Neodesha				
Designate Type of Completion:  New Well Re-Entry		Producing Formation: Cherokee Coals				
Total Depth: 1173 Plug Back Total Depth: 960' Amount of Surface Pipe Set and Cemented at 20 Feet Multiple Stage Cementing Collar Used?	Designate Type of Completion:	Elevation: Ground: 923' Kelly Bushing:				
Amount of Surface Pipe Set and Cemented at 20 Feet    Sas						
Gas	· · · · · · · · · · · · · · · · · · ·	1				
Bry   Other (Core, WSW, Expl., Cathodic, etc)   If yes, show depth set   Feet						
If Workover/Re-entry: Old Well Info as follows: Operator: Layne Energy Operating, LLC  Well Name: Badgley 16-16 Original Comp. Date: 2/10/2005 Original Total Depth: 1173' Depening Re-perl. Conv. to Enhr/SWD V Plug Back 1165' (2/10/2005) Plug Back Total Depth Commingled Docket No. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.?) Docket No. Operator Name: License Name: License No.: Docket No.: Operator Name: Lease Name: License No.: Docket No.:  INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality) in excess of 12 months). One copy of all writenine logs and geologist well report shall be attended with this form (see rule 82-3-107 for confidentiality) in excess of 12 months). One copy of all writenine logs and geologist well report shall be attended with this form (see rule 82-3-107 for confidentiality) in excess of 12 months). One copy of all writenine logs and geologist well report shall be attended with this form (see rule 82-3-107 for confidentiality) in excess of 12 months). One copy of all writenine logs and geologist well report shall be attended with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements rerein are complete and correct to the best of my knowledge.  KCC Office Use ONLY  Letter of Confidentiality Attached RECEIVED  Il Denied, Yes   Date William CP-4 form with all plugged wells.						
Superator: Layne Energy Operating, LLC   Seet depth to Surface   W/ 130   Sx cm/ 1/3   Superator: Layne Energy Operating, LLC   Seet depth to Surface   W/ 130   Sx cm/ 1/3   Superator: Layne Energy Operating, LLC   Well Name: Badgley 16-16   Wo-Dia - W/ 1/3   Wo	•					
Well Name: Badgley 16-16  Original Comp. Date: 2/10/2005 Original Total Depth: 1173'  Deepening Re-pert. Conv. to Enhr./SWD Plug Back 1165' (2/10/2005) Plug Back Total Depth  Commingled Docket No. D		Confess 420				
Original Comp. Date: 2/10/2005  Original Total Depth: 1173'  Deepening Re-perf. Conv. to Enhr./SWD  Plug Back 1165' (2/10/2005) Plug Back Total Depth  Commingled Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  Outle Reached TD Completion Date or Recompletion Date or Recompletion Date  INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply, Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements rerein are complete and correct to be best of my knowledge.  Subscribed and sworn to before me this 12 day of Aprul Manager of Engineering Date: 4/12/3010	•	Wo-Dig-4/13/10				
Plug Back 1165' (2/10/2005) Plug Back Total Depth  Commingled Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  Other (SWD or Enhr.?) Docket No.  G/21/2006  Spud Date or Recompletion Date  NATRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form wilb held confidential for a period of 12 months if requested in writing and submitted with the form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.  Subscribed and sworn to before me this 12 day of April Manager of Engineering Date: 4/12/3010  Notary Public: Manager of Engineering Date: 4/12/3010  MacLAUGHLIN DARLING inbutton  CONSERVATION DIVISION WICHITA, KS	Original Comp. Date: 2/10/2005 Original Total Depth: 1173'	Drilling Fluid Management Plan				
Plug Back_1165' (2/10/2005) Plug Back Total Depth  Commingled Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  Other	Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A nom Fluid volume hbls				
Commingled  Docket No.  Dual Completion  Docket No.  Other (SWD or Enhr.?)  Docket No.  Completion Date or Recompletion Date or Recompletion Date or Recompletion Date  INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.  Subscribed and sworn to before me this 12 day of April 13 2010  Wiretine Log Received APR 1 3 2010  Wiretine Log Received APR 1 3 2010  CONSERVATION DIVISION WICHITA, KS	✓ Plug Back 1165' (2/10/2005) Plug Back Total Depth					
Dual Completion		'				
Other (SWD or Enhr.?) Docket No.    G/21/2006		Location of fluid disposal if hauled offsite:				
Lease Name:License No.:	•	Operator Name:				
Spud Date or Recompletion Date   Date Reached TD   Date Recompletion Date   Completion Date   Completion Date   Completion Date   County:   Docket No.:      INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.    All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements rerein are complete and correct to the best of my knowledge.    KCC Office Use ONLY   Number   Date   Manager of Engineering   Date   Manager of Eng		Lease Name: License No.:				
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply, Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.  Subscribed and sworn to before me this 12 day of Openium Public: Market Received Geologist Report Received Geologist Report Received Geologist Report Received Geologist Report Received Miretine Log Received Geologist Report Received Miretine Log Received Geologist Report Received Geologist Report Received Miretine Log Received Miretine Log Received Geologist Report Received Miretine Log Received Miretine Log Received Miretine Log Received Geologist Report Received Miretine Log Received Mire	0/20/200	Quarter Sec TwpS. R 🔲 East 🗌 West				
Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.  Signature:   Wireline Log Received  Geologist Report Received  APR 1 3 2010  MacLAUGHLIN DARLING ribution  Wireline Log Received  Geologist Report Received  Notary Public: State of Kansas  WICHITA, KS		County: Docket No.:				
Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  All requirements of the statutes, rules and regulations promulgated to regulate 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:  Manager of Engineering  Date:  4/12/2010  Letter of Confidentiality Attached RECEIVED  If Denied, Yes Date KANSAS CORPORATION COMMISSION  Wireline Log Received  APR 1 3 2010  Conservation Division Wichita, KS  Date Commission Expires:  1-4-20/3  MacLAUGHLIN DARLING  Wichita, KS						
Signature:	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	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				
Letter of Confidentiality Attached RECEIVED  Subscribed and sworn to before me this 12 day of Opul  Notary Public:   MacLAUGHLIN DARLING  Notary Public - State of Kansas  Conservation Division  Wireline Log Received  Geologist Report Received  APR 1 3 2010  Conservation Division  Wichita, Ks	All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge.	late the oil and gas industry have been fully complied with and the statements				
Subscribed and sworn to before me this 12 day of Opuil  Notary Public:   MacLAUGHLIN DARLING  Date Commission Expires: 1-4-2013  Letter of Commission Received Received APR 13 2010  MacLAUGHLIN DARLING  MacLAUGHLIN DARLING  Notary Public - State of Kansas  MacLAUGHLIN DARLING  Notary Public - State of Kansas	Signature: Lumany Mylef	KCC Office Use ONLY				
Wireline Log Received  APR 1 3 2010  Wordery Public: MacLAUGHLIN DARLING  CONSERVATION DIVISION  Wireline Log Received  APR 1 3 2010  CONSERVATION DIVISION  WICHITA, KS	Title: Manager of Engineering Date: 4/12/2010	RECEIVED				
Notary Public: MacLAUGHLIN DARLING ribution CONSERVATION DIVISION WICHITA, KS	Subscribed and sworn to before me this 12 day of Upul					
Date Commission Expires: 1-4-20/3 WICHITA, KS	$\frac{20}{10}$	APR 1 9 2010				
Date Commission Expires: 1747 4075 Notary Public - State of Name (1777), 103	Notary Public: Maefaughlen Harling	MacLAUGHLIN DARLING ribution CONSERVATION DIVISION				
	Date Commission Expires: 1-4-20/3	Notary Public - State of National Working, No.				

## Side Two

Operator Name: Lay	yne Energy Oper	ating, LLC	Lease Nar	ne: Badgley		Well #:16-	16
		✓ East	County:	lilson			
tested, time tool ope temperature, fluid re	n and closed, flowin covery, and flow rate	and base of formations pg and shut-in pressures es if gas to surface test, final geological well site	, whether shut-ir along with final	n pressure reached	l static level, hydr	ostatic pressu	res, bottom hole
Drill Stem Tests Take		Yes No	.	√Log Forma	tion (Top), Depth	and Datum	Sample
Samples Sent to Ge	ological Survey	Yes No	1	Name		Тор	Datum
Cores Taken	ological carroj	Yes No	F	Pawnee Lime	,	545 GL	378
Electric Log Run (Submit Copy)		✓ Yes No	. Е	xcello Shale		667 GL	256
ist All E. Logs Run:			\ \	' Shale		734 GL	189
Compensated D	ensity Neutron		N	/lineral Coal		770GL	153
Dual Induction	· ·			/lississippian		1072 GL	-149
		CASING Report all strings set-		New Used	ntion ata		ŧ
Purpose of String	Size Hole	Size Casing	Weight	Setting	Type of	# Sacis	Type and Percent
Surface	Drilled	Set (In O.D.) 8.625"	Lbs. / Ft.	Depth 20'	Class A	Used 4	Additives Type 1 cement
Production	6.75"	4.5"	10.5	1169'	Thick Set	130	Type Teement
						1.22	
		ADDITIONA	CEMENTING /	SQUEEZE RECOR		<u> </u>	
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used		······	Percent Additive	S
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated  See Attached Page			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)  Depth			
	· · · · · · · · · · · · · · · · · · ·				<u> </u>		
	10/28/2005 CIBP 9	960'			;		
TUBING RECORD 2.8	Size	Set At 939'	Packer At	Liner Run	Yes V No	)	
Date of First, Resumen	d Production, SWD or E	Enhr. Producing Me	· · · · · · · · · · · · · · · · · · ·	owing Pump	ing ∏ Gas Li	ft $\square$ Oth	er (Explain)
Estimated Production Per 24 Hours	Oil O	Bbls. Gas				Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF (			Production Inte	rval		RECEIVED ORPORATION COMMISSION
Vented ✓ Sold (If vented, Su	Used on Lease	Open Hole	✓ Perf. [	Dually Comp.	Commingled _		APR 1 3 2010

COMBERVATION DIVISION

Operator Name: Layne Energy Operating, LLC. #33365

Lease Name: BADGLEY 16-16

Lease, Location: SE SE 16 - 30S - 17E WILSON, KS

API: 15-205-25778-00-02



Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth						
Initial Perforations (June 2004)									
4	Mineral 769.5' - 772' Tebo 839' - 840' Bluejacket 905' - 907' Riverton 1062' - 1063.5'	3779 Sand (20/40) (lbs) 1225 HCl (15%) (gal) 442 Water (bbls)	769.5' - 1063.5'						
4	Summit 650' - 653' Mulky Coal 667' - 673' Iron Post 711' - 712' Croweburg 735' - 737'	577 Water (bbls) 2100 HCl (15%) (gal) 4673 Sand (20/40) (lbs)	650' - 737'						
	Second Recompletion Perforations (June 2006)								
4	Tebo 839' - 840' Bluejacket 905' - 907'	546 Water (bbls) 7500 Sand (20/40) (lbs) 500 HCl (15%) (gal)	839' - 907'						
4	Summit 650' - 653'  Mulky Coal 667' - 673'  Iron Post 711' - 712'  Croweburg 734' - 735'  Mineral 769.5' - 772'	28900 Sand (20/40) (lbs) 1656 Water (bbls) 1500 HCl (15%) (gal)	650' - 772'						

RECEIVED KANSAS CORPORATION COMMISSION

APR 1 3 2010

CONSERVATION DIVISION WICHITA, KS

April 9, 2010

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

Re: Well Completion Form

Dear Mr. Bond:

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

API # 15-205-25778-00 (02) Badgley 16-16

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

Laughlen Durling

Sincerely,

MacLaughlin Darling Production Analyst

**Enclosures** 

cc:

Well File

Field Office

RECEIVED
KANSAS CORPORATION COMMISSION

APR 1 3 2010

CONSERVATION DIVISION WICHITA, KS

