KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION WELL COLOR

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 Shawnea Mission Parkway Address: 1900 Shawnea M	Operator: License # 33365	API No. 15 - 125-31390-00-01 CIBP Recompletion
Address. 1900 Shewmee Mission Parkway City/State/Dr. Mission Woods, KS 86205 Still feet from S / Ø (crose ang Line of Section Parkway) The Prontage of Completion Connect Contractor: Name: McPerson Drilling License: 5975 Well till Geologist: Produced Response Drilling Drilling Control of State Response Drilling Drilling Control of State Response Drilling Well Produced Response Drilling Well Produced Response Drilling License: 5975 Total Depth: 1155 Plug Beack Total Depth: 1165 Drilling Fluid Management Plan Drilling Fluid M		
City/Stank/Zip. Mission Woods, KS 68205 Purchaser: Chrystaler/Zip. Mission Woods (1913) 748-3980 Contractor: Chrystaler/Zip. Mission Woods (1913) 748-3980 Contractor: New Mell #1-4 License: 5675 Designate Type of Completion: New Well #1-4 Producing Formation: New Well #1-4 Producin	Address: 1900 Shawnee Mission Parkway	
Purchaser:	City/State/Zip: Mission Woods, KS 66205	351 feet from S. / (N) (c)rcle and Line of Section
Contractor: Name: McPherson Drilling	Dumbaan	347 feet from EV W (circle anal Line of Section
Prione: (113) 748-3960 Contractor: Name; McPherson Drilling License; 5675 Designato Type of Completion: New Well Back Type of Completion: New Well Back Type of Completion: New Well Back Total Depth: 1155' Plug Back Total Depth: 1146' Amount of Surface Pipe Stat and Commented at 40 Feet Multiple Stage Commenting Collar Used? Producing Formation: Chlerokee Basin Coal Area Producing Formation: Chlerokee Coals Elevation: Ground: 751' Kelly Bushing: Total Depth: 1155' Plug Back Total Depth: 1146' Amount of Surface Pipe Stat and Commented at 40 Feet Multiple Stage Commenting Collar Used? Prest Type Type Type Type Type Type Type Type	Operator Contact Person: Timothy H. Wright	
Contractor: Name: MoPherson Drilling License: 5675 License: 5675		
Field Name: Cherokee Basin Coal Area Producing Formation. Cherokee Coals	Contractor: Name: McPherson Drilling	
Wellste Geologist: Designate Type of Completion: New Well Re-Entry Workover Oil SWD SIOW Temp, Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc) If WorkoverRe-entry: Old Well Info as follows: Operator: Original Comp, Date: 8/21/2007 Original Total Depth: 1155' Despening Re-part. Corw. to Enhr/SWD Plug Back 1/9/08 CIBP 1018' Plug Back Total Depth: Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.?) Normalision Date or Recompletion Date or Recompletion Date or Recompletion Date INSTRUCTIONS: An original and two copies of this form shall be filled 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 82-3-107 apply, information of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully completed with and the statements received with and the statements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully completed with and the statements received with part of the statutes. KCC Office Use ONLY Latter of Confidentiality Intached If Danied, Yes Modare Wiresine Log Received ANDER OF SUM OF SU		
Designate Type of Completion: New Well Re-Entry Workover Oil SWD SIDW Terip, Abd. Y Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc) If Workover/Re-entry. Old Well Info as follows: Operator: Operator: Operator: Operator: Operator: Operator: Operator: Other (Core, WSW, Expl., Cathodic, etc) If Workover/Re-entry. Old Well Info as follows: Operator: Operat	Wellsite Geologist:	Cherokee Coals
New Well Re-Entry Workover Oil SWD SIOW Temp. Abd. Y Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc) If Workover/Re-entry: Old Well Info as follows: Operator: Well Name: Original Comp. Date: 8/21/2007 Original Total Depth: 1155' Plug Back Total Depth to Surface Pips Sate and Cemented at 40 Feet If Workover/Re-entry: Old Well Info as follows: If Alternate II completion, cement circulated from 1146 feet depth to Surface Well Name: Original Comp. Date: 8/21/2007 Original Total Depth: 1155' Plug Back 1/9/08 CIBP 1018' Plug Back Total Depth Original Comp. Date: 8/21/2007 Original Total Depth: 1155' Plug Back 1/9/08 CIBP 1018' Plug Back Total Depth Original Comp. Date: 8/21/2007 Original Total Depth: 1156' Original Comp. Date: 8/21/2007 Original Total Depth: 1156' Depening Re-port. Conv. to Entr./SWD Dewalating method used N/A - Air Drilled Location of fluid disposal if hauled offsite: Operator Name: Lease Name: License No: Operator Name: INSTRUCTIONS: An original and two copies of this form shall be filled with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas G7202, within 120 deps of the spud date, recompletion, workover or conversion of a well. Fulle 82-3-109, 82-3-107 apply, Information of side two of this form will be field confidential or a period of 12 months ir requested min writing and submit the form gas rule 82-3-107 or confidentiality in excess of 12 months). One copy of all wireline logs and geologist well export shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with ell plugged wells. Submit CP-11 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	Designate Type of Completion:	
Amount of Surface Pipe Set and Cemented at 40 Feet Gas	New Well Re-Entry Workover	
Gas	Oil SWD Temp, Abd,	
If yes, show depth set		
If Workover/Re-entry: Old Well Info as follows: Operator:		•
Surface Well Name:		,
Well Name: Original Comp. Date: 8/21/2007 Original Total Depth: 1155' Deepening	Operator:	feet depth to Surface w/ 120
Original Comp. Date: 8/21/2007 Original Total Depth: 1155' Deepening Re-perf. Conv. to Enhr./SWD Plug Back 1/9/08 CIBP 1018' Plug Back Total Depth Commingled Docket No. Dual Completion Docket No. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.?) Docket No. Other Gwart Swall	Well Name:	wo-Da-2/11/10
Deepening Re-perf. Conv. to Enhr/SWD Plug Back 1/9/08 CIBP 1018' Plug Back Total Depth Plug Back 1/9/08 CIBP 1018' Plug Back Total Depth Docket No. Double Commingled Docket No. Double Completion Docket No.		Drilling Fluid Management Plan
Plug Back 1/9/08 CIBP 1018' 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. I/9/2008 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date or Recompletion Date INSTRUCTIONS: An original and two copies of this form shall be filled 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 82-9-130, 82-9-130 ac 2-9-130 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 have in are complete and correct to the best of my knowledge. KCC Office Use ONLY Letter of Confidentiality Attached If Denied, Yes Date: Fighalura: For Date: For Date		· ·
Commingled Docket No. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.?) Docket No. 1/9/2008 Spud Date or Recompletion Date Support Name: Lease Name: Lease Name: Lease Name: Location of fluid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Location of Ruid disposal if hauled offsite: Operator Name: Lease Name: Le		· · · ·
Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.?) Docket No. 1/9/2008 Spud Date or Recompletion Date Date Reached TD Completion Date Completion Date Completion Date Completion Date County: Docket No.: Docket No.: 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 Letter of Confidentiality Attached Wireline Log Received KANSAS CORPORATION COMMISSIC Received The Date: Apple Enghres Apple Enghres CONSERVATION DIVISION		Dewatering method used N/A - All Diffied
Operator Name: 1/9/2008	·	Location of fluid disposal if hauled offsite:
1/9/2008	·	Operator Name:
Spud Date or Recompletion Date Date Reached TD Completion Date Completion Date County: Docket No.:		Lease Name: License No.:
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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 berein are complete and correct to the best of my knowledge. Signature: Date: 7 - 6 - 09 Wireline Log Received KNSAS CORPORATION COMMISSIC Motary Public: Manual Language		County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Flule 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. KCC Office Use ONLY Letter of Confidentiality Attached Wireline Log Received KANSAS CORPORATION COMMISSION Appl. Expires 1-4-30/3 Wireline Log Received Lotary Public: State of Kansas Distribution CONSERVATION DIVISION		
Signature: Signature: Project Engineer Date: 7-6-00 Letter of Confidentiality Attached If Denied, Yes Date: 7-1100 COMMSSIC KANSAS CORPORATION COMMSSIC Geologist Report Received KANSAS CORPORATION COMMSSIC Actory Public: MacLaughten Date: 1-4-30/3 Appt. Expires 1-30/3 CONSERVATION DIVISION	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 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	ver 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.
Letter of Confidentiality Attached Letter of Confidentiality Attached Letter of Confidentiality Attached Letter of Confidentiality Attached If Denied, Yes Date: 1110 - D.C. RECEIVED Wireline Log Received KANSAS CORPORATION COMMISSION Received Letter of Confidentiality Attached RECEIVED RECEIVED AND	nerein are complete and correct to the best of my knowledge.	are the oil and gas muusiry have been fully complied with and the statements
Letter of Confidentiality Attached Letter of Confidentiality Attached Letter of Confidentiality Attached Letter of Confidentiality Attached If Denied, Yes Date: 1110 - D.C. RECEIVED Wireline Log Received KANSAS CORPORATION COMMISSION Received Letter of Confidentiality Attached RECEIVED RECEIVED AND		V00 000 - 11 - 000 V
Subscribed and sworn to before me this 6 day of Puly	Project Engineer 7 C = 09	* CC Office Use ONLY
Wireline Log Received KANSAS CORPORATION COMMISSION Wireline Log Received KANSAS CORPORATION COMMISSION Geologist Report Received JAN 2 8 2010 Date Commission Expires: 1-4-3013 CONSERVATION DIVISION	Title: Floject Engineer Date: 4 - 6	Letter of Confidentiality Attached
Date Commission Expires: 1-4-30/3 My Appt. Expires 1-4-30/3. CONSERVATION DIVISION	Subscribed and sworn to before me this	If Denied, Yes Date: DECFIVED
Date Commission Expires: 1-4-30/3 My Appt. Expires 1-4-30/3. CONSERVATION DIVISION	$\frac{1}{2000}$	Wireline Log Received WANSAS CORPORATION COMMISSIO
Date Commission Expires: 1-4-30/3 My Appt. Expires 1-4-30/3. CONSERVATION DIVISION	Mar Jun Oldin In Stand	MACLAUGHLIN DARLING
Date Commission Expires: 1-4-60/3 CONSERVATION DIVISION		Notary-Public - State of Kamasi Distribution JAIN
	Date Commission Expires: 1-4-30/3	Wy Appl. Expires 1 7 2015. CONSERVATION DIVISION

Operator Name: <u>La</u>	yne Energy Ope	rating, LLC	Lea	se Name:	DeMott Farn	ns	Well #: _1-	4	
Sec4 Twp	33 S. R. 16	_		nty: Monte					
testea, time tool ope temperature, fluid re	en and closed, flowing covery, and flow rate	and base of formation and shut-in pressives if gas to surface the final geological well	ures, whether est, along with	shut-in pre	ssure reached	i static level, hvd	rostatic pressu	tests giving interval ures, bottom hole fed. Attach copy of all	
Drill Stem Tests Tak		Yes V	lo	Σl	og Format	lion (Top), Depth	and Datum	Sample	
Samples Sent to Ge	ological Survey	Yes N	10	Nam	e .		Тор	Datum	
Cores Taken		☐ Yes 🗸 N		Pawi	nee Lime		476 GL	275	
Electric Log Run (Submit Copy)		✓ Yes 🔲 N	lo	Exce	llo Shale		608 GL	143	
ist All E. Logs Run:				V-Sh	ale	•	657 GL	94	
Compensated D	ensity Neutron			Mine	ral Coal		699 GL	52	
Dual Induction				Miss	issippian		1042 GL	-291	
		CAS Report all strings	SING RECORD			ction, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		eight s./ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives	
Surface	11"	8.625"	24		40'	Class A	35	Type 1 cement	
Casing	6.75"	4.5"	10.5		1146'	Thick Set	120	#10 KOL seal @ sx	
		ADDITIO	DNAL CEMENT	ING (SOL	EFFE DECODE	<u> </u>			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	T	s Used	LEZE MEGONE		Percent Additives	S	
Shots Per Foot PERFORATION RECORD - Bridge Plugs Specify Footage of Each Interval Perfor						Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
	See Attached Page				···				
							KANS	RECEIVED AS CORPORATION COM	
	4/0/0000 0/00 404		•		·	·		JAN 2 8 2010	
	1/9/2008 CIBP 101	10.	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	de parte esta parte ante esta faita de la parte del de la parte de la parte de la parte de la parte de la part	CONSERVATION DIVIS	
I	Size	Set At	Packer	At	Liner Run	~1 ra		MICHIN	
	3/8" 3 Production, SWD or E	988'	Method	<u>l</u>		Yes 🗸 No) 		
1/10/2008	roduction, 344D OF E	ana, Floudering	ivietingu	Flowing	Pumpir	ng 🔲 Gas Li	ft Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbis. Gas	Mcf	Water 0	81	bls. (Gas-Oil Rallo	Gravily	
Disposition of Gas	METHOD OF C	OMPLETION			Production Inter	val			
Vented 7 Sold (If vented, Sul	Used on Lease	☐ Open H	ole 📝 Perl	f. Du	aliy Comp.	Commingled			

Operator Name:	Layne Energy Operating, LLC.		<u> </u>		
Lease Name:	DeMott Farms 1-4				
	Sec. 4 Twp. 33S Rng. 16E, Montgomery County				
API:	15-125-31390-00-01				
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth		
	Initial P	erforations			
4	Riverton 1025' - 1027' Rowe 965.5' - 967.5'	5100 lbs 20/40 sand			
		459 bbls water	965.5' - 1027		
	110WE 300.0 - 201.0	570 gals 15% HCl acid			
	Mineral 698' - 700.5' V-Shale 657' - 660'	5500 lbs 20/40 sand			
4		431 bbls water	657' - 700.5'		
		650 gals 15% HCl acid			
4 .	iron Post 631' - 632.5'	8500 lbs 20/40 sand			
	Mulky 608' - 613'	672 bbls water	577' - 632.5'		
	Summit 577' - 582'	722 gals 15% HCl acid	1		

RECEIVED KANSAS CORPORATION COMMISSION

JAN 28 2010

CONSERVATION DIVISION WICHITA, KS

July 8, 2009

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

Re: Well Recompletion Form

Dear Mr. Bond:

I have enclosed the ACO-1 form for the following recompleted well:

API # 15-125-31390-00-01 DeMott Farms 1-4

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 applicable.

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

Sincerely,

MacLaughlin Darling
Production Analyst

Enclosures

cc: Well File Field Office

RECEIVED KANSAS CORPORATION COMMISSION

JAN 28 2010

CONSERVATION DIVISION WICHITA, KS

