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KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

APR 15 2009

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM

Operator: License # 33365

Name: Layne Energy Operating, LLC Address: 1900 Shawnee Mission Pkwy

WELL COMPLETION FORM CONSERVATION DIMISION WELL HISTORY - DESCRIPTION OF WELL & LEASE WICHITA, KS

County: Montgomery SW_SW_Sec32Twp31SR15	API NO	15 - 125-30	0132-00-0	1 .			
feet from S / N (circle one) Line of Section 933					R. 15	7 East ☐	West
feet from E / (circle one) Line of Section Footages Calculated from Nearest Outside Section Corner: (circle one) NE SE NW Lease Name: Chism W Well #: 13-32 Field Name: Jefferson-Sycamore Producing Formation: Cherokee Coals Elevation: Ground: 803' Kelly Bushing: Total Depth: 1305' Plug Back Total Depth: 1304' Amount of Surface Pipe Set and Cemented at 21 Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set Feet Multiple Stage Cementing Collar Used? Sx cmt. Drilling Fluid Management Plan (Data must be collected from the Reserve of Content N/A ppm Fluid volume bbls Dewatering method used N/A - Air Drilled Location of fluid disposal if hauled offsite: Operator Name: Lease Name: License No: Quarter Sec. Twp. S. R. East West County: Docket No.: Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, r conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. tonths if requested in writing and submitted with the form (see rule 82-3-19 deologist well report shall be attached with this form. ALL CEMENTING Johnit CP-111 form with all temporarily abandoned wells. KCC Office Use ONLY KCC Office Use ONLY Letter of Confidentiality Attached If Denied, Yes Date:				· _			
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Field Name:	Lease N	, ,			Well #:_	13-32	
Producing Formation: Cherokee Coals Elevation: Ground: 803' Kelly Bushing:	Field Na	me: Jeffers	son-Sycan	nore			
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Total Depth: 1305' Plug Back Total Depth: 1304' Amount of Surface Pipe Set and Cemented at 21 Feet Multiple Stage Cementing Collar Used?					shing:		
Multiple Stage Cementing Collar Used? If yes, show depth set							
If yes, show depth set	Amount	of Surface P	ipe Set and (Cemented at _	21		_ Feet
If Alternate II completion, cement circulated from 1304 TD feet depth to Surface	Multiple	Stage Ceme	enting Collar	Used?		Yes	✓No
Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content N/A ppm Fluid volume bbls Dewatering method used N/A - Air Drilled Location of fluid disposal if hauled offsite: Operator Name: Lease Name: License No.: Quarter Sec. Twp. S. R. East West County: Docket No.: Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, r conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In the form of the form the form the form of	If yes, sh	now depth se	et		<u>. </u>		Feet
Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content N/A ppm Fluid volume bbls Dewatering method used N/A - Air Drilled Location of fluid disposal if hauled offsite: Operator Name: License No.: Quarter Sec. Twp. S. R. East West County: Docket No.: Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, r conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In the interpretate of the properties of the pro	If Alterna	ate II comple	tion, cement	circulated fro	m 1304 7	ΓD .	
Chloride content N/A ppm Fluid volume bbls Dewatering method used N/A - Air Drilled Location of fluid disposal if hauled offsite: Operator Name: License No.: Quarter Sec. Twp. S. R. East West County: Docket No.: Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, r conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In the interpretation of a well with the form (see rule 82-3-19 geologist well report shall be attached with this form. ALL CEMENTING ubmit CP-111 form with all temporarily abandoned wells. KCC Office Use ONLY Letter of Confidentiality Attached If Denied, Yes Date:	feet dept	th to Surfac	ce	_{w/_} 150			sx cmt.
Lease Name: License No.:	Dewateri Location	ing method u	used N/A -	Air Drilled			bbls
Quarter Sec Twp. S. R East West County: Docket No.: Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, r conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In a second s							
County: Docket No.:	Lease Na	ame:					
Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, r conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. In the state of the state	_	_				Fast	West
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KCC Office Use ONLY Letter of Confidentiality Attached If Denied, Yes Date:	_		Twp.				
Letter of Confidentiality Attached If Denied, Yes Date:	County:	Corporation sion of a we requested in st well report	Commission ell. Rule 82- writing and s	n, 130 S. Mark 13-130, 82-3-1 13-130, 82-3-1 13-130, 82-3-1 13-130, 82-3-1	et - Room 2 06 and 82 the form (form. ALL	2078, Wid 2-3-107 a see rule 8	chita, pply. 32-3-
If Denied, Yes Date:	County:	Corporation sion of a we requested in st well report	Commission ell. Rule 82- writing and s shall be atta ith all tempor	Docket No.:	et - Room 2 06 and 82 the form (form. ALL led wells.	2078, Wid 2-3-107 a see rule (CEMEN	chita, pply. 32-3- FING
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Wireline Log Received	County:	Corporation sion of a we requested in st well report	Commission ell. Rule 82-writing and sas shall be atta ith all temporatry have been	n, 130 S. Marking 130, 82-3-1 submitted with ched with this rarily abandon in fully complied	et - Room 2 06 and 82 the form (form. ALL led wells. ed with and	2078, Wid 2-3-107 a see rule (CEMEN	chita, pply. 32-3- FING
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City/State/Zip: Mission Woods, KS 66205	650 feet from S / N (circle one) Line of Section
Purchaser:	933 feet from E / (circle one) Line of Section
Operator Contact Person: Timothy H. Wright	Footages Calculated from Nearest Outside Section Corner:
Phone: (<u>913</u>) <u>748-3960</u>	(circle one) NE SE NW
Contractor: Name: Layne Christensen Canada, Ltd.	Lease Name: Chism W Well #: 13-32
License: 32999	Field Name: Jefferson-Sycamore
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 803' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1305' Plug Back Total Depth: 1304'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 21 Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
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 1304 TD
Operator: Layne Christensen Canada Limited	feet depth to Surface w/ 150 sx cmt.
Well Name:	1.2.18.
Original Comp. Date: 5/7/2003 Original Total Depth: 1305'	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 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	·
Other (SWD or Enhr.?) Docket No	Operator Name:
4/11/2005 4/13/2005	Lease Name: License No.:
4/11/2005 Date Reached TD 4/13/2005 Completion Date or Completion Date or	Quarter Sec Twp. S. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er 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.
	ate the oil and gas industry have been fully complied with and the statements
herein are complete and correct to the best of my knowledge. $ \land $	
Signature	KCC Office Use ONLY
Title: Project Engine Date: 4/9/09	Letter of Confidentiality Attached
	If Denied, Yes Date:
Subscribed and sworn to before me this day of	, Wireline Log Received
2009	Geologist Report Received
Notary Public: Macfaughen Largement	AUGHLIN DARLING
1	Public - State of Kansas - UIC Distribution ot Expires 1-4-2013
Date Continuestion Expires. 1	II. LAVINAVA

Operator Name: Lay	yne Energy Oper	rating, Ll	.C	Lease	e Name:_	Chism W		Well #: <u>13-</u>	32	
Sec. 32 Twp. 3						tgomery				
INSTRUCTIONS: Si tested, time tool ope temperature, fluid red Electric Wireline Log	n and closed, flowin covery, and flow rate	g and shut es if gas to	in pressures, surface test, a	whether s long with	hut-in pre	ssure reached	static level, hydr	rostatic pressure	s, bottor	n hole
Drill Stem Tests Take		Y	es ✓ No		√ L	og Formati	ion (Top), Depth	and Datum	S	Sample
•	,		es ✓ No		Nam	е		Тор	C	Datum
Samples Sent to Geo Cores Taken	ological Sulvey		es √ No		Paw	nee Lime		701 KB	1	05
Electric Log Run (Submit Copy)		✓ Y			Excello Shale			841 KB		-35
List All E. Logs Run:				V Shale Weir - Pitt Coal		V Shale		1012 KB -2		-83 -206
_										
Compensated D Dual Induction	ensity Neutron			Mississippian						425
		Repo		RECORD onductor, s	✓ Ne	ew Used ermediate, produc	ction, etc.			
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)		ight . / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Percent
Surface	12-1/4"	8.625"	. (III O.D.)	23		21'	Portland	8		
Casing	7-7/8"	5.5"		15.5		1305'	Diacel	150		
			ADDITIONAL	CEMENT	ING / SOI	JEEZE RECORI				
Purpose:	Depth	Type	of Cement	T	s Used	JEEZE REGORI		Percent Additives		
Perforate Protect Casing Plug Back TD	Top Bottom									
Plug Off Zone								. 6		
Shots Per Foot PERFORATION RECORD			RD - Bridge Plug	s Set/Type)	1	acture, Shot, Ceme		d	
Specify Footage of			Each Interval Per	erforated (Amount and Kind of Material Used)			Material Used)		Depth	
	See Attached F	'age			-					
								(A) A COLOR	- 277	37 /3 40
							K	ANS S	., 2	
								$\hat{\ell}_{\hat{\gamma}}$		
								9,000	8558A - 453	· .
TUBING RECORD 2-	Size 7/8"	Set At 1051'		Packer	At	Liner Run	Yes ✓ N		in,am	
Date of First, Resumed	Production, SWD or E	inhr.	Producing Meth	od	Flowin	g ✓ Pump	ing Gas L	ift Othe	er (Explain,)
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas	Mcf	Wat	er 8	Bbls.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF	COMPLETION				Production Inte	rval			
Uented ✓ Sold	Used on Lease		Open Hole	√ Per	f. I	Dually Comp.	✓ Commingled			

Operator Name: Layne Energy Operating, LLC. #33365

Lease Name: CHISM W 13-32

Lease Location: SW SW 32 - 31S - 15E MONTGOMERY, KS

API: 15-125-30132-00-01



Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth				
	Initial Perforations (May 2003)						
4	Weir 1013' - 1016.5'	263 Water (bbls) 2268 Sand (20/40) (lbs) 500 HCI (15%) (gal) 24 Water (bbls)	1013' - 1016.5'				
	Recompletion Perforations (April 2005)						
4	Iron Post 867' - 870.5' Croweburg 891' - 893' Weir 1013' - 1016.5'	1840 HCI (15%) (gal) 4986 Sand (20/40) (lbs) 550 Water (bbls)	867' - 1016.5'				
4	Mulberry 699' - 700' Summit 818' - 820.5' Mulky Coal 842' - 847.5'	150 HCI (15%) (gal) 316 Water (bbls) 3000 Sand (20/40) (lbs)	699' - 847.5'				

