CONFIDENTIAL KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM KANSAS

September 1999
RECENTREMENT BE Typed
KANSAS CORPORATION COMMISSION

WELL HISTORY - DESCRIPTION OF WELL & LEASE

NOV 1 5 2004

Operator: License # 33365	API No. 15 - 125-30536 - CONSERVATION DIVISION
Name: Layne Energy Operating, LLC	County: Montgomery WICHITA, KS
Address: 1900 Shawnee Mission Parkway	NW -SW - Sec. 31 Twp. 31 S. R. 15 🗹 East 🗌 West
City/State/Zip: Mission Woods, KS 66205	1945 feet from (S)/ N (circle one) Line of Section
Purchaser:	578 feet from E / (W) (circle one) Line of Section
Operator Contact Person: Victor H. Dyal	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3987	(circle one) NE SE NW SW
Contractor: Name: MOKAT Drilling	Lease Name: Chism Well #: 12-31
License: 5831	Field Name: Cherokee Basin Coal Gas
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 961 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1515 Plug Back Total Depth: 1510
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
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1513
Operator:	feet depth to Surface w/ 190 sx cmt.
Well Name:	101 - 110
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) N/A
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	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
July 15, 2004 July 19, 2004 August 10, 2004	Lease Name: License No.:
Spud Date or Date Reached TD Adgust 10, 2004 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, workov Information of side two of this form will be held confidential for a period of	n 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. 12 months if requested in writing and submitted with the form (see rule 82-3-3 and geologist well report shall be attached with this form. ALL CEMENTING S. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulaterein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature: All Hugg	KCC Office Use ONLY
Title: Agent Date: 11/10/04	Letter of Confidentiality Attached
Subscribed and sworn to before me this 10 day of Novembea	If Denied, Yes Date:
	Wireline Log Received
20_04	Geologist Report Received
Notary Public: May All.	UIC Distribution
Date Commission Expires: A MARGARET ALLEN	

Notary Public - State of Kansas
My Appt. Expires 19/14/2008

Operator Name: Layne Energy Operating, LLC.						Well #: 12-31				
Sec. 31 Twp. 31 S. R. 15 🗸 East 🗌 West			Cour	ty: Mont	omery					
tested, time tool ope temperature, fluid re	Show important tops a en and closed, flowing ecovery, and flow rate gs surveyed. Attach	g and shu s if gas to	t-in pressures, surface test, a	whether long with	shut-in pre	essure reache	d static level, hydro	ostatic pressur	es, botton	n hole
Drill Stem Tests Take	***	. 🗆 🗅 🗅	∕es ☑ No		 ✓L	og Forma	ation (Top), Depth a	and Datum		Sample
Samples Sent to Ge	·	☐ Yes			Nam	е		Тор	C	atum
Cores Taken	ological carrey				Paw	nee Lime		917 GL	4	4
Electric Log Run (Submit Copy)					Exce	ello Shale		1069 GL		108
List All E. Logs Run	:				V Sł	nale		1117 GL	-	156
Compensated D	ensity Neutron				Mine	eral Coal		1163 GL	-2	202
Dual Induction	onsity reducen				Miss	sissippian		1417 GL	-4	1 56
		Repo	CASING ort all strings set-			ew Used ermediate, prod	uction, etc.			
Purpose of String	Size Hole Drilled		ze Casing et (In O.D.)		eight s. / Ft.	Setting Depth	Type of Cement	# Sacjs Used		and Percent
Surface	11	8.65		24		20	Class A	4	Type	1 cement
Casing	7 7/8	5.5		15.5		1513	Thick Set	190		,
						,				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Тур	e of Cement		KS Used	JEEZE RECO		Percent Additives	;	
Shots Per Foot			RD - Bridge Plug Each Interval Per		e		racture, Shot, Cemen		rd	Depth
	See Attached							1/00		
								KUU	0	
								NOV 1 0 :	2004	
				<u> </u>			C	ONFIDEN	TIAL	
TUBING RECORD	Size	Set At		Packer	At	Liner Run	- TRYMINAL -			
	3/8	1452			- **		Yes Vo			
Date of First, Resume August 21, 20	rd Production, SWD or E	inhr.	Producing Met	hod	Flowing	g 📝 Pum	ping Gas Lit	ft 🔲 Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas 10.7	Mcf	Wate	er	Bbis. 0	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF (OMPLETI	L			Production Int	terval			
Vented Sold	REGEIVEDSO CORPORATION COMM	IISSION	Open Hole Other (Speci	√ Pe	rf. 🔲 C	Dually Comp.	Commingled _		9	*****

NOV 1 5 2004

KANSAS CORPORATION COMMISSION

NOV 1 5 2004

CONSERVATION DIVISION WICHITA, KS

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Chism 12-31		
	Sec. 31 Twp. 31S Rng. 15E, Montgomery County		
API:	15-125-30536		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1409-1410.5, 1367.5-1370	Riverton, Rowe: 700G 15% HCL Acid, 418bbls 1% KCL Water, 3150# 20/40 Sand, Balls	1370-1410.5
4	1247-1251, 1239.5-1242.5, 1212.5-1213.5, 1162.5- 1164.5	Sycamore Shale, Weir, Tebo, Mineral: 1225G 15% HCL Acid, 620 bbls 1% KCL Water, 5356# 20/40 Sand, Balls	1162.5-1251
4	1119-1120, 1094.5-1096, 1067-1072.5, 1042-1045, 913.5-914.5	Croweburg, Bevier, Mulky, Summit & Mulberry: 1875G 15% HCL Acid, 731 bbls 1% KCL Water, 6617# 20/40 Sand, Balls	913.5-1120

KCC NOV 1 0 2004 CONFIDENTIAL

NOV 1 5 2004

GEOLOGIC REPORT

CONSERVATION DIVISION WICHITA, KS

LAYNE ENERGY
Chism 12-31
NW ¼, SW ¼, 1,945' FSL, 578' FWL
Section 31-T31S-R15E
MONTGOMERY COUNTY, KANSAS

Drilled: July 15-19, 2004 Logged: July 19, 2004 A.P.I.# 15-125-30536 Ground Elevation: 961' Depth Driller: 1,515' Depth Logger: 1,516'

Surface Casing: 8 5/8" @ 20'
Production Casing: 5 ½" @ 1,513'

Cemented Job: Consolidated

Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

FORMATION	TOPS (in feet below grour	nd surface)
Lansing Group	.Surface (Captain Creek Lim	nestone Member)
Lenapah Lime	729	
Altamont Lime	776	•
Mulberry Coal	.914	
Pawnee Lime	917	
Anna Shale	941	
First Oswego Lime	1,010	·
Little Osage Shale		
Excello Shale	,	VOO
Mulky Coal		KCC
Iron Post Coal		NOV 1 0 2004
"V" Shale	1,117	
Croweburg Coal		CONFIDENTIAL
Mineral Coal		
Tebo Coal		•
Weir Pitt Coal		
AW Coal	.1,368	
Riverton Coal		
Mississippian	.1,417	

RECEIVED KANSAS CORPORATION COMMISSION

CONSOLIDATED OIL WELL SERVICES, II. . . 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

NOV 1 5 2004

1391 TIC.__T_NUMBER_

LOCATION_ EuseKa FOREMAN_

CONSERVATION DIVISION FORE TREATMENT REPORT & FIELD TICKET

CEMENT

DATE	CUSTOMER#	WELL	NAME & NUMB	ER [SECTION	TOWNSHIP	RANGE	COUNTY
1-20-04	4758	Chism	12.3)				MONIGOMY
CUSTOMER ,	. 1	1,,						
	anne EN	2/91/			TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDRE	SS	<i>J1</i>		1	446	Rick		
F	0. Box	1605					441	Alan
CITY	10	STATE	ZIP CODE		436	Ed		
Sucam	ore	KS						<u> </u>
JOB TYPE	tongstring	HOLE SIZE	77/8"	HOLE DEPT	н/57/5-	CASING SIZE & W	ÆIGHT <u> 51/2</u>	''- 15.51b.
CASING DEPTH	1513-	DRILL PIPE		TUBING /	BTD 1570)	OTHER	-
SLURRY WEIGH	нт <u>/3^{2.} </u>	SLURRY VOL		WATER gal/s	sk	CEMENT LEFT in	CASING	3 -
DISPLACEMENT	r <u>36 Bbls.</u>	DISPLACEMENT	r PSI 600	MIX PSI		RATE	Bem	
						ith Siesh water		ToboTTom
Circulate	Hole clean	Puno 5 Bb	. Melssilical	e Arstush	Collowed w.	th 25 Bbb.	Due water.	
						165. PYGAL.		
Washouto	umo thines-	Release Pl	us - Disol	ace Plus w	1144 36 Bbl	s water		
Finaloum	Dis at 600	PST - Bun	red Plus To	100 PST	- wait 2 mi	N. Release	Pressure - F	ToaT Held
Close	Casing in w	THORST '	Good Co	ment let	WAS TO SUL	ue 14/ 1/ Bb)	Slucy	
					Tear down	<u>, , , , , , , , , , , , , , , , , , , </u>		
				/				· · · · · · · · · · · · · · · · · · ·
			11 -	Thory	Λu ^I			

		Z:		
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	710.00	710.00
	0-	MILEAGE	·	NIC
1126A	190 SKs.	Thick SET CEMENT	11.83	2251.50
1110 A	38 SKs.	KOL-SEAL 10" PYSK	15.75	598.50
//// A	50 lbs.	MeTasilicaTe Preflush	1.40 lb.	70.00
		÷ ·	.*	
5502 C	4 His.	80 Bbl. VAC Truck KCC	7.8.00	312.00
1123	3000 GAI.	City water NOV 1 0 2004	11.50 0/1000	34,50
		/		
		CONFIDENTIAL		
5605 A	4 Hr.	Welder	70.00	280.00
<u> </u>		\(\)		<u> </u>
4406		5%" Too Rubber Plug	40.00	40.00
5407 A	10.45 TOA	25 miks	,85	222,06
	<u> </u>	5.3%	SALES TAX	158.71
Market Company of the Company			ESTIMATED TOTAL	4677.27

RECEIVED KANSAS CORPORATION COMMISSION

NOV 1 5 2004

MORNING COMPLETION REPORT

CONSERVATION DIVISION

teport Called in by	r; ; JES			Report taken b	y: KRD WIC	HIIA, NO
EASE NAME & #		AFE#	DATE	DAYS	CIBP DEPTH	PBTO TYPE FLUID
hism 12-31			7/15/04	2	TYPE	WT .
RESENT OPERAT	ION:				euprace	VIS
				FROM UNDER	CONTRACTOR	1410
EPEST CASING	LINERS OD TOP & SH	OE DEPTH	REPAIR DOWN	N IIME HKS	RIG NO	
D SHOE DEPTH	ł		7691	PERFS		
	20010	OD ID	1631	TO	SQUEEZ	ED OR PLUG BACK PERFS
ACKER OR ANCHOR	CHRHING 100F2			TO		TO
				TO		70
				TO		10
				TO		70
HRS	BRIEF DESCRIPT	ION OF OPER	ATION			
нко	BRIEF DESCRIPTION					
	MIRU MOKAT DRI	LLING, DRILL	ED 11" HOLE, 20	DEEP, RIH WI	1 JT 8 5/8" SURFACE CASI	√G
	MIXED 4 SXS TYP	E 4 CENESIT	DIMPED DN TE	HE BACKSIDE 5	SDFN.	
	MIXEU 4 SXS TYP	CICCMENT	DOINE CD OIL (IL 0/10/10/DE, (
	<u></u>					
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					,	
DAILY COST ANA	LYSIS				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
					DETAILS OF RENTALS,	SERVICES, & MISC
					MOKAT DRILLING @ 8.50/	ît .
RIG						80
					MOKAT (CEMENT)	
SUPERVISION	:	200			DIRTWORKS (LOC,RD, PI	r) 400
				W 00	SURFACE CASING	200
				KCC	LAND/ LEGAL	2000
RENTALS						
•	4		NO/	V 1 0 2004		
SERVICES		400			1 .	
V=171.020			CON	FIDENTIA		
MISC	2	280				
			•		7070	.0000
5 4 11 11 TOTAL C	2	REO PE	EVIOUS TCTD		TCTD	2880