

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

CONFIDENTIAL

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jeff Mohajir  
Phone: ( 913 ) 748-3987  
Contractor: Name: MOKAT Drilling  
License: 5831

Wellsite 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 Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to Enhr./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

<u>July 19, 2004</u>	<u>July 21, 2004</u>	<u>August 20, 2004</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30543-00-00  
County: Montgomery  
SW - SW - Sec. 29 Twp. 31 S. R. 15  East  West  
651 feet from  N (circle one) Line of Section  
634 feet from E /  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Chism Well #: 13-29  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 935 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1485 Plug Back Total Depth: 1483  
Amount of Surface Pipe Set and Cemented at 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1483  
feet depth to Surface w/ 190 sx cmt.

**Drilling Fluid Management Plan** *ACT II W HM 2-28-07*  
(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: **RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: **NOV 16 2004**  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R.  East  West  
County: \_\_\_\_\_ Docket No.: **CONSERVATION DIVISION**  
**WICHITA, KS**

**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.

Signature: Margaret Allen  
Title: Agent Date: Nov. 15, 04  
Subscribed and sworn to before me this 15<sup>th</sup> day of November,  
20 04.  
Notary Public: Margaret Allen  
Date Commission Expires: \_\_\_\_\_

**MARGARET ALLEN**  
Notary Public - State of Kansas  
My Apot Expires 10/14/2008

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Layne Energy Operating, LLC. Lease Name: Chism Well #: 13-29  
 Sec. 29 Twp. 31 S. R. 15  East  West County: Montgomery

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>877 GL</td> <td>58</td> </tr> <tr> <td>Excello Shale</td> <td>1027 GL</td> <td>-92</td> </tr> <tr> <td>V Shale</td> <td>1075 GL</td> <td>-140</td> </tr> <tr> <td>Mineral Coal</td> <td>1119 GL</td> <td>-184</td> </tr> <tr> <td>Mississippian</td> <td>1380 GL</td> <td>-445</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	877 GL	58	Excello Shale	1027 GL	-92	V Shale	1075 GL	-140	Mineral Coal	1119 GL	-184	Mississippian	1380 GL	-445
Name	Top	Datum																	
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Mineral Coal	1119 GL	-184																	
Mississippian	1380 GL	-445																	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./ Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11	8.65	24	20	Class A	4	Type 1 cement
Casing	7 7/8	5.5	15.5	1483	Thick Set	190	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>
	See Attached	RECEIVED KANSAS CORPORATION COMMISSION  NOV 16 2004  CONSERVATION DIVISION WICHITA, KS

TUBING RECORD Size <u>2 3/8</u> Set At <u>1391</u> Packer At _____ Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of First, Resumerd Production, SWD or Enhr. <u>September 9, 2004</u>
Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours Oil Bbls. _____ Gas Mcf <u>18.02</u> Water Bbls. <u>100</u> Gas-Oil Ratio _____ Gravity _____	

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled _____ <input type="checkbox"/> Other (Specify) _____	

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Chism 13-29		
	Sec. 29 Twp. 31S Rng. 15E, Montgomery County		
<b>API:</b>	15-125-30543		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1368-1369.5, 1324.5-1326.5, 1256-1257	Riverton, Rowe & Drywood: 1050G 15% HCL Acid, 425bbbls 1% KCL Water, 3308# 20/40 Sand, Balls	1256-1369.5
4	1218-1219, 1204-1209, 1184-1185.5	Bluejacket, Sycamore Shale, Weir, Tebo: 1700G 15% HCL Acid, 618bbbls 1% KCL Water, 4589# 20/40 Sand, Balls	1184-1219
4	1134-1135, 1119.5-1121, 1084.5-1085.5, 1076.5-1078	Scammon A, Mineral, Fleming & Croweburg: 1185G 15% HCL Acid, 522bbbls 1% KCL Water, 3625# 20/40 Sand, Balls	1076.5-1135
4	1052-1054, 1025.5-1031, 1001-1003, 870-871.5	Bevier, Mulky, Summit, Mulberry: 1050G 15% HCL Acid, 635 bbbls 1% KCL Water, 5700# 20/40 Sand, Balls	870-1054

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KANSAS CORPORATION COMMISSION

NOV 16 2004

CONSERVATION DIVISION  
WICHITA, KS

# GEOLOGIC REPORT

LAYNE ENERGY  
Chism 13-29  
SW ¼, SW ¼, 651' FSL, 634' FWL  
Section 29-T31S-R15E  
MONTGOMERY COUNTY, KANSAS

Drilled: July 19-21, 2004  
Logged: July 21, 2004  
A.P.I.# 15-125-30543  
Ground Elevation: 935'  
Depth Driller: 1,485'  
Depth Logger: 1,484'  
Surface Casing: 8 5/8" @ 20'  
Production Casing: 5 1/2" @ 1,483'  
Cemented Job: Consolidated  
Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

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WICHITA, KS

<b>FORMATION</b> .....	<b>TOPS (in feet below ground surface)</b>
Lansing Group .....	Surface (Captain Creek Limestone Member)
Lenapah Lime .....	684
Altamont Lime .....	733
Mulberry Coal.....	870
Pawnee Lime .....	877
Anna Shale.....	899
First Oswego Lime .....	968
Little Osage Shale.....	1,001
Excello Shale .....	1,027
Mulky Coal .....	1,030
Iron Post Coal .....	1,052
"V" Shale .....	1,075
Croweburg Coal.....	1,077
Mineral Coal .....	1,119
Scammon Coal.....	1,134
Tebo Coal .....	1,175
Weir Pitt Coal .....	1,184
Bluejacket Coal.....	1,219
Rowe Coal .....	1,256
AW Coal .....	1,325
Riverton Coal.....	1,369
Mississippian .....	1,380



**TREATMENT REPORT & FIELD TICKET  
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-23-04	4758	Chism 13-29				Montgomery
CUSTOMER <u>Layne Energy</u>			TRUCK #    DRIVER    TRUCK #    DRIVER 446        Rick 440        Alan 434        Jim 437			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY    STATE    ZIP CODE <u>Sycamore    Ks.   </u>						
Gus Jones						

JOB TYPE <u>Longstring</u>	HOLE SIZE <u>7 7/8"</u>	HOLE DEPTH <u>1485'</u>	CASING SIZE & WEIGHT <u>5 1/2" - 15.5 lb</u>
CASING DEPTH <u>1483'</u>	DRILL PIPE	TUBING <u>PRTN 1483'</u>	OTHER
SLURRY WEIGHT <u>132</u>	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>0'</u>
DISPLACEMENT <u>35 1/4 Bbls.</u>	DISPLACEMENT PSI <u>700</u>	MIX PSI	RATE <u>3 BPM</u>

REMARKS: Safety Meeting - Rig up to 5 1/2" casing, break circulation with fresh water, wash casing to bottom and circulate hole clean. Pump 5 Bbl. Metasilicate Preflush, followed with 25 Bbl. Aye water. Mixed 190 SKs. Thick Set Cement w/ 10" P/SK of KOL-SEAL at 132 lbs. P/GAL. Shut down washout pump lines - Release Plug - Displace Plug with 35 1/4 Bbls. water. Final pumping at 700 PSI - Bumped Plug to 1100 PSI - wait 2 minutes - Release Pressure Float Head - close casing in with 0 PSI - Good cement returns to surface with 9 Bbl. slurry Note: We had lost circulation while mixing cement, and never had returns till we had 25 Bbl. Displaced Then we had good cement returns to surface

Thank you

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	710.00	710.00
	0	MILEAGE		N/A
1126 A	190 SKS.	Thick Set Cement	11.85	2251.50
1110 A	38 SKS.	KOL-SEAL 10" P/SK	15.75	598.50
1111 A	50 lbs.	Metasilicate Preflush	1.40 lb.	70.00
5302 C	3	Hrs. 80 Bbl. VAC Truck	78.00	234.00
5502 C	4	Hrs. 80 Bbl. VAC Truck	78.00	312.00
1123	3000	GAL. City Water	11.50 P/GAL	34.50
5605 A	4	Hrs. Welder	70.00	280.00
4312	1	5 1/2 Weld on Collar	50.00	50.00
4406	1	5 1/2" Top Rubber Plug	40.00	40.00
5407 A	10.45 Ton	25 miles	.85	222.06
			5.3%	SALES TAX
				ESTIMATED TOTAL

AUTHORIZATION PE Single TITLE SUP DATE 7/23/04

19/11/04