

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

API No. 15 - 125-30545-00-00  
County: Montgomery  
SW-SE - - - Sec. 30 Twp. 31 S. R. 15  East  West  
1226 feet from  N (circle one) Line of Section  
1979 feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Chism Well #: 15-30  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 836 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1401 Plug Back Total Depth: 1391  
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 1398  
feet depth to Surface w/ 180 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) Alt II w/fin 2-28-07  
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: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket 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 herein are complete and correct to the best of my knowledge.

Signature: [Signature]  
Title: Agent Date: 11/15/04  
Subscribed and sworn to before me this 15<sup>th</sup> day of November,  
20 04.  
Notary Public: [Signature]  
Date Commission Expires: \_\_\_\_\_

**MARGARET ALLEN**  
Notary Public - State of Kansas  
My Appt. 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 #: 15-30  
 Sec. 30 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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>787 GL</td> <td>49</td> </tr> <tr> <td>Excello Shale</td> <td>937 GL</td> <td>-101</td> </tr> <tr> <td>V Shale</td> <td>986 GL</td> <td>-150</td> </tr> <tr> <td>Mineral Coal</td> <td>1031 GL</td> <td>-195</td> </tr> <tr> <td>Mississippian</td> <td>1303 GL</td> <td>-467</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Pawnee Lime	787 GL	49	Excello Shale	937 GL	-101	V Shale	986 GL	-150	Mineral Coal	1031 GL	-195	Mississippian	1303 GL	-467
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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	# Sacs 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	1398	Thick Set	180	

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 (Amount and Kind of Material Used)	Depth
	See Attached	<b>RECEIVED</b> <b>KANSAS CORPORATION COMMISSION</b>  <b>NOV 16 2004</b>  <b>CONSERVATION DIVISION</b> <b>WICHITA, KS</b>	

TUBING RECORD	Size <u>2 7/8</u>	Set At <u>1330</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>August 31, 2004</b>		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	Water Bbls.	Gas-Oil Ratio Gravity
		<b>23</b>	<b>80</b>	

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Chism 15-30		
	Sec. 30 Twp. 31S Rng. 15E, Montgomery County		
<b>API:</b>	15-125-30545		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1290-1291.5, 1244-1246.5, 1193-1194	Riverton, Rowe & Drywood: 950G 15% HCL Acid, 443bbbs 1% KCL Water, 4095# 20/40 Sand, Balls	1193-1291.5
4	1162-1163, 1120-1125, 1100-1101.5, 1081-1082	Bluejacket, Sycamore Shale, Weir, Tebo: 1700G 15% HCL Acid, 578bbbs 1% KCL Water, 4725# 20/40 Sand, Balls	1081-1163
4	1045.5-1046.5, 1031-1033, 987.5-988.5, 963.5-965	Scammon A, Mineral, Croweburg & Bevier: 1185G 15% HCL Acid, 541bbbs 1% KCL Water, 4253# 20/40 Sand, Balls	963.5-1046.5
4	935-940.5, 912-914, 782.5-783.5	Mulky, Summit, Mulberry: 1125G 15% HCL Acid, 560 bbbs 1% KCL Water, 4410# 20/40 Sand, Balls	782.5-940.5

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# GEOLOGIC REPORT

LAYNE ENERGY

Chism 15-30

SW ¼, SE ¼, 1,226' FSL, 1,979' FEL

Section 30-T31S-R15E

MONTGOMERY COUNTY, KANSAS

Drilled: July 20-21, 2004

Logged: July 22, 2004

A.P.I.# 15-125-30545

Ground Elevation: 836'

Depth Driller: 1,401'

Depth Logger: 1,400'

Surface Casing: 8 5/8" @ 20'

Production Casing: 5 1/2" @ 1,398'

Cemented Job: Consolidated

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

<b>FORMATION</b> .....	<b>TOPS (in feet below ground surface)</b>
Lansing Group .....	Surface (Vilas Shale)
Lenapah Lime .....	595
Altamont Lime .....	643
Mulberry Coal .....	783
Pawnee Lime .....	787
Anna Shale .....	809
Peru Sandstone .....	814
First Oswego Lime .....	879
Little Osage Shale .....	912
Excello Shale .....	937
Mulky Coal .....	940
Bevier Coal .....	964
"V" Shale .....	986
Croweburg Coal .....	988
Mineral Coal .....	1,031
Scammon Coal .....	1,046
Skinner Sand .....	1,057
Tebo Coal .....	1,081
Weir Pitt Coal .....	1,100
Bluejacket Coal .....	1,162
Rowe Coal .....	1,194
AW Coal .....	1,245
Riverton Coal .....	1,291
Mississippian .....	1,303



TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																				
7-23-04	4758	Chism 15-30				Montgomery																				
CUSTOMER <u>Layne Energy</u>			<table border="1"> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> <tr> <td>446</td> <td>Rick</td> <td></td> <td></td> </tr> <tr> <td>440</td> <td>Alan</td> <td></td> <td></td> </tr> <tr> <td>434</td> <td>Jim</td> <td></td> <td></td> </tr> <tr> <td>437</td> <td>-</td> <td></td> <td></td> </tr> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	446	Rick			440	Alan			434	Jim			437	-		
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434	Jim																									
437	-																									
MAILING ADDRESS <u>P.O. Box 160</u>																										
CITY <u>Sycamore</u>	STATE <u>Ks</u>	ZIP CODE																								
Gus Jones																										

JOB TYPE <u>Logging</u>	HOLE SIZE <u>7 7/8"</u>	HOLE DEPTH <u>1401'</u>	CASING SIZE & WEIGHT <u>5 1/2" - 15.5 lb.</u>
CASING DEPTH <u>1398'</u>	DRILL PIPE	TUBING <u>PBTO 1391'</u>	OTHER
SLURRY WEIGHT <u>132</u>	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>7'</u>
DISPLACEMENT <u>33 Bbls</u>	DISPLACEMENT PSI <u>600</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 down to bottom circulate hole clean. Pump 5 Bbl Metasilicate Pre flush, followed with 22 Bbl dye water. Mixed 180 SKS Thick Set Cement w/ 10" P<sup>2</sup>/SK of KOL-SEAL at 132 lbs P<sup>2</sup>/GAL. Shut down washout pump & lines - Release Plug - Displace Plug with 33 Bbls water. Final running at 600 PSI - Bumped Plug to 1100 PSI - wait 2 min. - Release Pressure. Float Hold - close casing w/ DPST - Good cement returns to surface with 10 Bbl slurry

Job complete - Tear down  
"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/C
1126 A	180 SKS	Thick Set Cement	11.85	2133.00
1110 A	36 SKS	KOL-SEAL 10" P <sup>2</sup> /SK	15.75	567.00
1111 A	50 lbs	Metasilicate Pre flush	1.40 lb.	70.00
5502 C	4 Hrs	80 Bbl. VAC Truck	78.00	312.00
5502 C	4 Hrs	80 Bbl. VAC Truck	78.00	312.00
1123	3000 GAL	City water	11.50 P <sup>2</sup> /1000	34.50
4312	1	5 1/2" Weld on Collar	50.00	50.00
5605 A	4	Hrs Welder	70.00	280.00
4203	1	5 1/2" Guide Shoe	102.00	102.00
4228	1	5 1/2" Insert Flapper Valve	145.00	145.00
4406	1	5 1/2" Top Rubber Plug	40.00	40.00
5407A	9.7 Ton	25 miles	.85	210.38
			5.3%	SALES TAX 166.50
			ESTIMATED TOTAL	5,132.38

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AUTHORIZATION J E Smolice

TITLE Sup.

DATE 7/23/04