

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**  
**CONFIDENTIAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 33365  
 Name: Layne Energy Operating, LLC  
 Address: 1900 Shawnee Mission Parkway  
 City/State/Zip: Mission Woods, KS 66205  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: M. B. Natrass  
 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>9/14/2005</u>	<u>9/16/2005</u>	<u>9/27/2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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 CONSERVATION DIVISION  
 WICHITA, KS

API No. 15 - 125-30794-00-00  
 County: Montgomery  
 SE  SE  SE  SE  Sec. 33 Twp. 31 S. R. 14  East  West  
138 feet from  N (circle one) Line of Section  
184 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 #: 16-33 SWD  
 Field Name: Cherokee Basin Coal  
 Producing Formation: \_\_\_\_\_  
 Elevation: Ground: 866' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1864' Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 21' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 1735'  
 feet depth to Surface w/ 225 sx cmt.

**Drilling Fluid Management Plan** *ALT II with*  
 (Data must be collected from the Reserve Pit) *12-26-06*  
 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.: \_\_\_\_\_

**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: MB Natrass  
 Title: Agent Date: 10/25/05  
 Subscribed and sworn to before me this 25<sup>th</sup> day of October,  
 20 05.  
 Notary Public: Ms. Al  
 Date Commission Expires: 10/14/2008

**KCC Office Use ONLY**

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



Operator Name: Layne Energy Operating, LLC Lease Name: Chism Well #: 16-33 SWD  
 Sec. 33 Twp. 31 S. R. 14  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>911 GL</td> <td>-45</td> </tr> <tr> <td>Excello Shale</td> <td>1060 GL</td> <td>-194</td> </tr> <tr> <td>V Shale</td> <td>1112 GL</td> <td>-246</td> </tr> <tr> <td>Mineral Coal</td> <td>1157 GL</td> <td>-291</td> </tr> <tr> <td>Mississippian</td> <td>1426 GL</td> <td>-560</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Pawnee Lime	911 GL	-45	Excello Shale	1060 GL	-194	V Shale	1112 GL	-246	Mineral Coal	1157 GL	-291	Mississippian	1426 GL	-560
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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	21'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1735'	Thick Set	75	6% gel, 1/4# flocele
Casing	6.75	4.5	10.5	1735'	Pozmix	150	10#/sk Kol-Seal

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
Open Hole	1730-1864'	<b>RECEIVED</b> <b>KANSAS CORPORATION COMMISSION</b>  <b>OCT 26 2005</b>  <b>CONSERVATION DIVISION</b> <b>WICHITA, KS</b>	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. <b>SI-Waiting On Approval to Dispose</b>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease    Open Hole    Perf.    Dually Comp.    Commingled  
*(If vented, Submit ACO-18.)*    Other (Specify) \_\_\_\_\_

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**GEOLOGIC REPORT**

LAYNE ENERGY

Chism 16-33 SWD

SE ¼, SE ¼, 138' FSL, 184' FEL

Section 33-T31S-R14E

MONTGOMERY COUNTY, KANSAS

Drilled: September 14-28, 2005

Logged: September 28, 2005

A.P.I.# 15-125-30794

Ground Elevation: 866'

Depth Driller: 1,864'

Depth Logger: 1,745'

Surface Casing: 8 5/8" @ 21'

Production Casing: 5 1/2" @ 1,735'

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 (South Bend Limestone Member)
Lenapah Lime .....	721
Altamont Lime .....	771
Pawnee Lime .....	911
Anna Shale .....	937
First Oswego Lime .....	1,009
Little Osage Shale .....	1,038
Excello Shale .....	1,060
Mulky Coal .....	1,065
Iron Post Coal .....	1,090
"V" Shale .....	1,112
Fleming Coal .....	1,122
Mineral Coal .....	1,157
Scammon Coal .....	1,173
Weir Pitt Coal .....	1,216
AW Coal .....	1,375
BW Coal .....	1,387
Riverton Coal .....	1,419
Mississippian .....	1,426
Northview Shale .....	1,704
Arbuckle Group .....	1,730

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CONSOLIDATED OIL WELL SERVICES, INC.  
1 W. 14TH STREET, CHANUTE, KS 66720  
313-9210 OR 800-467-8676

OCT 26 2005

CONFIDENTIAL

TICKET NUMBER 5364

CONSERVATION DIVISION  
WICHITA, KS

LOCATION EUREKA

FOREMAN KEVIN McCoy

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
-17-05	4758	Chism SWD 16-33				MG
CUSTOMER <u>Layne Energy</u>		Gus Jones Rig 2	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>			445	RICK		
CITY <u>Sycamore</u>	STATE <u>Ks</u>		439	JUSTIN		
ZIP CODE			442	LARRY		
			452 763	TROY		
CASING TYPE <u>Longstring</u>	HOLE SIZE <u>7 7/8</u>	HOLE DEPTH <u>1745'</u>	CASING SIZE & WEIGHT <u>5 1/2 15.50" New</u>			
CASING DEPTH <u>1735'</u>	DRILL PIPE	TUBING	OTHER			
DRY WEIGHT <u>12.8-13.2</u>	SLURRY VOL <u>66 BBL</u>	WATER gal/sk <u>8.0</u>	CEMENT LEFT in CASING <u>0'</u>			
PLACEMENT <u>41.25 BBL</u>	DISPLACEMENT PSI <u>800</u>	MAX PSI <u>1300 Bump Plug</u>	RATE			

REMARKS: Safety Meeting: Rig up to 5 1/2 casing. Break Circulation w/ 60 BBL fresh water. Pump 6 sks Gel Flush, 10 BBL fresh water spacer, 10 BBL Metasilicate Pre Flush, 30 BBL Dye water. Mixed 150 sks 60/40 Pozmix Cement w/ 6% Gel, 1/4" Flocele per/sk @ 12.8" per/gal, yield 1.60. TAIL IN w/ 75 sks Thick Set Cement w/ 10" Kol-Seal per/sk @ 13.2" per/gal, yield 1.75. Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 41.25 BBL fresh water. FINAL Pumping Pressure 800 PSI. Bump Plug to 1300 PSI. wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to SURFACE = 12 BBL slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	25	MILEAGE	3.00	75.00
1131	150 SKS	60/40 Pozmix Cement	8.00	1200.00
1118 A	15 SKS	Gel 6% <span style="font-size: 2em;">}</span> lead Cement	6.63	99.45
107	1 1/2 SKS	Flocele 1/4" per/sk	42.75	64.12
1136 A	75 SKS	Thick Set Cement <span style="font-size: 2em;">}</span> TAIL Cement	13.00	975.00
1110 A	15 SKS	Kol-Seal 10" per/sk	16.90	253.50
1111 A	50"	Metasilicate Pre Flush	1.55	77.50
1118 A	6 SKS	Gel Flush	6.63	39.78
1407 A	10.57 TONS	25 miles BULK TRUCK	1.00	264.25
1501 C	4 HRS	WATER TRANSPORT	93.00	372.00
1502 C	3 HRS	80 BBL VAC TRUCK	87.00	261.00
123	8000 gals	City water	12.20 <sup>per 1000</sup>	97.60
1406	1	5 1/2 Top Rubber Plug	43.00	43.00
1605 A	4 HRS	Welder	75.00	300.00
			Sub Total	4887.24
Thank you			SALES TAX 5.3%	151.06
			ESTIMATED TOTAL	5038.27

HORIZONTAL Called By John Ed TITLE \_\_\_\_\_ DATE \_\_\_\_\_