

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

*KCC  
Ming  
7/10/08*

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

AMENDED

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: McPherson Drilling  
 License: 5675  
 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:  LAYNE ENERGY OPERATING, LLC  
 Well Name:  SMITH 5-29  
 Original Comp. Date:  8-30-2004 Original Total Depth:  1475'  
 \_\_\_\_\_ 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. \_\_\_\_\_  
 10/17/2005 \_\_\_\_\_ 10/20/2005  
 Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or  
 Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API No. 15 - 125-30544-00-01  
 County: Montgomery  
NE NE SW NW Sec. 29 Twp. 31 S. R. 15  East  West  
1648 feet from S /  (circle one) Line of Section  
992 feet from E /  (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Smith Well #: 5-29  
 Field Name: Jefferson-Sycamore  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 962 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1475 Plug Back Total Depth: 1474  
 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 1474  
 feet depth to Surface w/ 190 \_\_\_\_\_ sx cmt.  
Da-7-10/08  
**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.: \_\_\_\_\_

**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: MR Natrass  
 Title: Agent Date: 2/10/06  
 Subscribed and sworn to before me this 10 day of February  
 20 06.  
 Notary Public: Brooke C. Maxfield  
 Date Commission Expires: 12/28/09

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 \_\_\_\_\_ Wireline Log Received  
 \_\_\_\_\_ Geologist Report Received  
 \_\_\_\_\_ UIC Distribution  
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**JUN 10 2008**

NOTARY PUBLIC -- State Of Kansas  
 BROOKE C. MAXFIELD  
 My Appl. Exp 12/28/09

CONSERVATION DIVISION  
 WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Smith Well #: 5-29  
 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>890 GL</td> <td>72</td> </tr> <tr> <td>Excello Shale</td> <td>1032 GL</td> <td>-70</td> </tr> <tr> <td>V Shale</td> <td>1081 GL</td> <td>-119</td> </tr> <tr> <td>Mineral Coal</td> <td>1124 GL</td> <td>-162</td> </tr> <tr> <td>Mississippian</td> <td>1375 GL</td> <td>-413</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	890 GL	72	Excello Shale	1032 GL	-70	V Shale	1081 GL	-119	Mineral Coal	1124 GL	-162	Mississippian	1375 GL	-413
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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	23	20	Class A	4	Type 1 cement
Casing	7 7/8	5.5	15.5	1747	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 Cff 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		

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TUBING RECORD	Size <u>2 7/8</u>	Set At <u>1434'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>10/21/2005</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. <u>0</u>	Gas Mcf <u>24</u>	Water Bbls. <u>140</u>	Gas-Oil Ratio

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) \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Smith 5-29		
	Sec. 29 Twp. 31S Rng. 15E, Montgomery County		
<b>API:</b>	15-125-30544-00-01		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
	<b>Initial Perforations (August 2004)</b>		
4	1368-1370, 1328.5-1330	Riverton & Rowe: 675G 15% HCL Acid, 325bbbls 1% KCL Water, 2062# 20/40 Sand, Balls	1328.5-1370
	<b>Recompletion Perforations (October 2005)</b>		
4	1223-1224, 1208-1212, 1185-1186, 1124-1126	Bluejacket, Sycamore Shale, Weir, Mineral - 4600# 20/40 sand, 1400 gal 15% HCl acid, 469 bbbls wtr	1124-1224
4	1081.5-1084, 1059.5-1062.5, 1031-1038, 1008-1011, 885-888	Croweburg, V-Shale, Mulky, Summit, Mulberry - 6200# 20/40 sand, 597 bbbls wtr, 2400 gal 15% HCl acid	885-1084

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