

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

\*Amended

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL 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: 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: \_\_\_\_\_  
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. \_\_\_\_\_

3/31/2005 4/4/2005 \* 7/8/2005  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 125-30723-DD-DD  
County: Montgomery  
     NW SE SW Sec. 6 Twp. 32 S. R. 16  East  West  
817 feet from (S) N (circle one) Line of Section  
1635 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Atherton Well #: 14-6  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 843 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1268 Plug Back Total Depth: 1257

Amount of Surface Pipe Set and Cemented at 40 Feet  
Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1265  
to \_\_\_\_\_ feet depth to Surface w/ 140 sx cmt.

Drilling Fluid Management Plan AT-2 WMH 4-2407  
(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.: \_\_\_\_\_

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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: MB Natrass  
Title: Agent Date: 11/2/05  
Subscribed and sworn to before me this 2<sup>nd</sup> day of November  
2005  
Notary Public: M. Allen  
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

 **MARGARET ALLEN**  
Notary Public - State of Kansas  
My Appt. Expires \_\_\_\_\_

Operator Name: Layne Energy Operating, LLC Lease Name: Atherton Well #: 14-6  
 Sec. 6 Twp. 32 S. R. 16 ✓ 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 ✓ No (Attach Additional Sheets)  Samples Sent to Geological Survey <input type="checkbox"/> Yes ✓ No  Cores Taken Yes ✓ No Electric Log Run ✓ Yes No (Submit Copy)  List All E. Logs Run:  Compensated Density Neutron Dual Induction	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">✓ Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>608</td> <td>235</td> </tr> <tr> <td>Excello Shale</td> <td>756</td> <td>87</td> </tr> <tr> <td>V Shale</td> <td>803</td> <td>40</td> </tr> <tr> <td>Mineral Coal</td> <td>840</td> <td>3</td> </tr> <tr> <td>Mississippian</td> <td>1170</td> <td>-327</td> </tr> </table>	✓ Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	Pawnee Lime	608	235	Excello Shale	756	87	V Shale	803	40	Mineral Coal	840	3	Mississippian	1170	-327
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CASING RECORD <input checked="" type="checkbox"/> New 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	# Sacks Used	Type and Percent Additives
Surface	11"	8.625	24	40	Class A	8	Type 1 Cement
Casing	6 3/4"	4.5"	10.5	1265	Thick Set	140	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze (Amount and Kind of Material Used)	Depth
	See attached		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	✓ No
		2 3/8"	1177'				
Date of First, Resumed Production, SWD or Enhr. 10/8/2005				Producing Method			
				Flowing	✓ Pumping	Gas Lift	Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	0	6	132				

Disposition of Gas      **METHOD OF COMPLETION**      Production Interval

Vented    ✓ Sold     Used on Lease     
  Open Hole    ✓ Perf.    Dually Comp.     Commingled

(If vented, Sumit ACO-18.)       Other (Specify) \_\_\_\_\_

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Atherton 14-6		
	Sec. 6 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-30723		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1152-1154, 1111-1113.5, 840-842	Riverton, Rowe, Mineral - 1,500gal 15% HCL + 360 bbls water + 3,700# 20/40 Sand	840-1154
4	804-806, 779-780.5, 755-761, 728-733	Croweberg, Ironpost, Mulkey, Summit - 2,600gal 15% HCL + 596 bbls water + 5,000# 20/40 Sand	728-806

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