

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
ORIGINAL
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed
AMENDED
9/19/08

Operator: License # 33365
 Name: Layne Energy Operating, LLC
 Address: 1900 Shawnee Mission Parkway
 City/State/Zip: Mission Woods, KS 66205
 Purchaser: _____
 Operator Contact Person: Victor H. Dyal
 Phone: (913) 748-3987
 Contractor: Name: Thornton Air Rotary
 License: 33606
 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. _____
 5/25/2006 5/30/2006 8/10/2006
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 205-26375-00-00
 County: Wilson
 _____ SE SW Sec. 17 Twp. 30 S. R. 14 East West
639 feet from N (circle one) Line of Section
2126 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Shire Well #: 14-17
 Field Name: Cherokee Basin Coal Area
 Producing Formation: Cherokee Coals
 Elevation: Ground: 997 Kelly Bushing: _____
 Total Depth: 1523 Plug Back Total Depth: 1516.7
 Amount of Surface Pipe Set and Cemented at 40 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 1517
 feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan ATINS 3-4-07
 (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: _____
 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: [Signature]
 Title: Agent Date: 9/19/2006
 Subscribed and sworn to before me this 19 day of September
 20 08
 Notary Public: [Signature]
 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
 RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 10 2008
 CONSERVATION DIVISION
 WICHITA, KS

NOTARY PUBLIC - State of Kansas
 BROOKE C. MAXFIELD
 My Appt. Exp. 12/28/09

Operator Name: Layne Energy Operating, LLC Lease Name: Shire Well #: 14-17
 Sec. 17 Twp. 30 S. R. 14 East West County: Wilson

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>998 GL</td> <td>-1</td> </tr> <tr> <td>Excello Shale</td> <td>1106 GL</td> <td>-109</td> </tr> <tr> <td>V Shale</td> <td>1176 GL</td> <td>-179</td> </tr> <tr> <td>Mineral Coal</td> <td>1221 GL</td> <td>-224</td> </tr> <tr> <td>Mississippian</td> <td>1422 GL</td> <td>-425</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Pawnee Lime	998 GL	-1	Excello Shale	1106 GL	-109	V Shale	1176 GL	-179	Mineral Coal	1221 GL	-224	Mississippian	1422 GL	-425
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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	40'	Class A	10	Type 1 cement
Casing	6.75	4.5	10.5	1517'	Thick Set	160	

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		

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JUN 10 2008

 CONSERVATION DIVISION
 WICHITA, KS

TUBING RECORD Size <u>2 3/8"</u> Set At <u>1413'</u> Packer At _____ Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of First, Resumerd Production, SWD or Enhr. SI-waiting on pipeline
Producing Method <input type="checkbox"/> Flowing <input 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 _____

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled _____

Production Interval Other (Specify) _____

Operator Name: Layne Energy Operating, LLC.
Lease Name: Shire 14-17
Sec. 17 Twp. 30S Rng. 14E, Montgomery County
API: 15-205-26375-00-00

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1378.5-1381, 1297.5-1301	Riverton, Weir-3500# 20/40 sand, 389 bbls wtr, 600 gal acid	1297.5-1381
4	1176.5-1180, 1158.5-1162.5, 1106.5-1110.5, 1093.5-1096.5	Croweburg, Bevier, Mulky, Summit-9400# 20/40 sand, 710 bbls wtr, 1450 gal 15% HCl acid	1093.5-1180
4	995.5-997.5, 877.5-879.5, 836.5-841	Mulberry, Laredo, Dawson-6100# 20/40 sand, 499 bbls wtr, 850 gal acid	836.5-997.5

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