

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

WICHITA, KS

ORIGINAL

Operator: License # 33365
Name: Layne Energy Operating, LLC
Address: 1900 Shawnee Mission Parkway
City/State/Zip: Mission Woods, KS 66205
Purchaser: _____
Operator Contact Person: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: Layne Christensen Canada, Ltd.
License: 32999
Wellsite Geologist: Larry Weis

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: Layne Christensen Canada, Ltd. #32999

Well Name: C Smith 4-5
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. D-28,070

<u>9/11/2002</u>	<u>9/20/2002</u>	<u>10/23/2002</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30143-00-00 AMENDED

County: Montgomery
W2 NE NW NW Sec. 5 Twp. 32 S. R. 15 East West
418 feet from S / (circle one) Line of Section
860 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Smith C SWD Well #: 4-5
Field Name: Jefferson-Sycamore

Producing Formation: Arbuckle Disposal Well
Elevation: Ground: 785' Kelly Bushing: 794'
Total Depth: 2088' Plug Back Total Depth: 2043'
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 1543
feet depth to Surface w/ 280 sx cmt.

Drilling Fluid Management Plan AH I NCR 8-7-09
(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: _____
Title: Project Engineer Date: 4/9/09
Subscribed and sworn to before me this 9 day of April,
2009.
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2013

MACLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1-4-2013

KCC Office Use ONLY
N Letter of Confidentiality Attached
If Denied, Yes Date: _____
Wireline Log Received
Geologist Report Received
UIC Distribution

Operator Name: Layne Energy Operating, LLC Lease Name: Smith C SWD Well #: 4-5
 Sec. 5 Twp. 32 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	Yes <input checked="" type="checkbox"/> No	Pawnee Lime	678 KB	116
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	822 KB	-28
List All E. Logs Run:		Weir Pitt Coal	986 KB	-192
Compensated Density Neutron		Mississippian	1196 KB	-402
Dual Induction		Arbuckle	1529 KB	-735

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	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	10.75"	32	21'	Portland	8	
Casing	9-1/2"	7"	20	1543'	Thick Set	280	

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 <i>(Amount and Kind of Material Used)</i>	Depth
	Open Hole Arbuckle Injection 1543' - 2088'	<i>(Handwritten notes and stamps)</i>	

TUBING RECORD	Size	Set At	Packer At	Liner Run
				Yes No

Date of First, Resumed Production, SWD or Enhr. 10/23/2002	Producing Method			
	Flowing	Pumping	Gas Lift	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 Open Hole Perf. Dually Comp. Commingled Other (Specify) Open Hole Arbuckle Injection

(If vented, Submit ACO-18.)