

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

9/13/09

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. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: McPherson Drilling
License: 5675

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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: Colt Energy, Inc.

Well Name: _____
Original Comp. Date: 1/20/2000 Original Total Depth: 915'
____ 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. _____

5/21/2007 5/26/07
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date
8/19/2007
Per Oper - KCC-DLG

API No. 15 - 125-29957-00-01
County: Montgomery
____ N2 SE Sec. 14 Twp. 32 S. R. 16 East West
1850 feet from N (circle one) Line of Section
1320 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Keck Well #: 4
Field Name: Brewster

Producing Formation: Bartlesville
Elevation: Ground: _____ Kelly Bushing: _____
Total Depth: 915' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 21.8 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 914.6
feet depth to Surface w/ 105 sx cmt.

Drilling Fluid Management Plan WO NJ 2/209
(Data must be collected from the Reserve Pit)
Chloride content 1000 ppm Fluid volume 80 bbls
Dewatering method used Pump Out / Push In
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: 9/13/07
Subscribed and sworn to before me this 13 day of September
20 07
Notary Public: MacLaughlin Darline
Date Commission Expires: 1-4-2009



KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received **RECEIVED**
 UIC Distribution **KANSAS CORPORATION COMMISSION**
SEP 14 2007

Operator Name: Layne Energy Operating, LLC Lease Name: Keck Well #: 4
 Sec. 14 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

Drillers Log attached to
 original ACO-1 submitted
 by Colt Energy in 2000

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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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	35	21.8'	Protland A	4	
Casing	6.75"	4.5"		914.6'	50/50 pozmix	105	

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 Page		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	885'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enh. Producing Method				
5/26/2007 - 6/19/2007 - other <i>oper. activity</i> <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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	27	3	

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

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 Mineral, Croweburg, Iron Post,
 Mulky, Summit
SEP 14 2007

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Keck 4		
	Sec. 14 Twp. 32S Rng. 16E, Montgomery County		
API:	15-125-29957-00-01		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (1999)			
4	Weir 870' - 878'	100 gals 15% HCl acid	870' - 878'
Recompletion Perforations (2007)			
4	Mineral 793' - 795' Croweburg 754' - 756' Iron Post 740' - 742'	6500 lbs 20/40 sand 575 bbls water 700 gals 15% HCl acid	740' - 795'
4	Mulky 698' - 704' Summit 669' - 673'	2000 lbs 20/40 sand 331 bbls water 850 gals 15% HCl acid	669' - 704'

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WICHITA, KS