

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

HISTORY - DESCRIPTION OF WELL & LEASE

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ORIGINAL

*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: Victor H. Dyal  
 Phone: (913) 748-3966  
 Contractor: Name: Mokat Drilling  
 License: 5831  
 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. \_\_\_\_\_  
 5/6/04 5/7/04 \_\_\_\_\_  
 Spud Date or Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

API No. 15 - 125-30509 - 00-00  
 County: Montgomery  
 SE SW Sec. 20 Twp. 31 S. R. 17  East  West  
 720 feet from S / N (circle one) Line of Section  
 2030 feet from E / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Harriman Well #: 14-20  
 Field Name: Coffeyville-Cherryvale  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 822 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1089 Plug Back Total Depth: 1077  
 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 1086  
 feet depth to Surface w/ 130 sx cmt.

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CONSERVATION DIVISION  
WICHITA, KS

Drilling Fluid Management Plan *ALT II WSM 2-12-07*  
(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: *Victor H. Dyal*  
 Title: Agent Date: 4/12/2005  
 Subscribed and sworn to before me this 12<sup>th</sup> day of April, 2005.  
 Notary Public: *Margaret Allen*  
 Date Commission Expires: 10/14/2008

MARGARET ALLEN  
Notary Public - State of Kansas  
My Appt. Expires 10/14/2008

**KCC Office Use ONLY**

*yes* Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Side Two

ORIGINAL

Operator Name: Layne Energy Operating, LLC Lease Name: Harriman Well #: 14-20
Sec. 20 Twp. 31 S. R. 17 [X] 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 [X] No
Samples Sent to Geological Survey [ ] Yes [X] No
Cores Taken [ ] Yes [X] No
Electric Log Run [X] Yes [ ] No
List All E. Logs Run:

[X] Log Formation (Top), Depth and Datum [ ] Sample
Name Top Datum
Pawnee Lime 441 GL 381
Excello Shale 581 GL 241
Mulky Coal 587 GL 235
V Shale 636 GL 186

Compensated Density Neutron
Dual Induction

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Table with 8 columns: 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. Rows include Surface and Casing.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes a RECEIVED stamp from KANSAS CORPORATION COMMISSION dated APR 13 2005.

PERFORATION RECORD - Bridge Plugs Set/Type table with 3 columns: 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.

TUBING RECORD table with 4 columns: Size, Set At, Packer At, Liner Run. Includes production data for Date of First, Resumerd Production, SWD or Enhr. (1/20/2005), Producing Method (Pumping), and Estimated Production Per 24 Hours (Gas 10.1, Water 53).

Disposition of Gas METHOD OF COMPLETION Production Interval
[ ] Vented [X] Sold [ ] Used on Lease [ ] Open Hole [X] Perf. [ ] Dually Comp. [X] Commingled
[ ] Other (Specify)

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**ORIGINAL**

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Harriman 14-20		
	Sec. 20 Twp. 31S Rng. 17E, Montgomery County		
<b>API:</b>	15-125-30509		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	979-982, 817-818, 799.5-800.6, 743.5-744.5	Riverton, Stray, Bluejacket, Tebo - 1,200g 15% HCL + 485B Water + 2,310# 20/40 Sand	743.5-982
4	680-681.5, 649.5-650.5, 637-640,	Mineral, Flemming, Croweberg - 1,300g 15% HCL + 450B Water + 2,047# 20/40 Sand	637-681.5
4	615-617, 583-589, 557.5-580	Iron Post, Mulkey, Summit - 1,650g 15% HCL + 450B Water + 1,995# 20/40 Sand	557.5-615

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