

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: M. B. Natrass  
Phone: (913) 748-3987  
Contractor: Name: McPherson Drilling  
License: 5675

KCC

DEC 02 2005

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)

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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. \_\_\_\_\_

6/6/2005      6/7/2005      \*8/29/2005  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 125-30787-00-00  
County: Montgomery  
NW\_NW\_NW\_Sec. 16 Twp. 33 S. R. 16  East  West  
330 feet from S /  (circle one) Line of Section  
330 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Sidwell Well #: 4-16  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 771 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1197' Plug Back Total Depth: 1180  
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 1197'  
feet depth to Surface w/ 135 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit) ALT II with 9-21-07  
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. \_\_\_\_\_ East  West   
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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CONSERVATION DIVISION  
WICHITA, KS

**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: 12/3/05  
Subscribed and sworn to before me this 2<sup>nd</sup> day of December  
20 05  
Notary Public: Mrs. 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: Sidwell Well #: 4-16
Sec. 16 Twp. 33 S. R. 16 [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 (Attach Additional Sheets)

Samples Sent to Geological Survey [ ] Yes [X] No

Cores Taken [ ] Yes [X] No

Electric Log Run [X] Yes [ ] No (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron Dual Induction

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[X] Log Formation (Top), Depth and Datum [ ] Sample

Table with 3 columns: Name, Top, Datum. Rows include Pawnee Lime (489 GL, 282), Excello Shale (660 GL, 111), V Shale (712 GL, 59), Mineral Coal (756 GL, 15), and Mississippian (1095 GL, -324).

CASING RECORD table with 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 for Surface and Casing.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD table with columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type, Acid, Fracture, Shot, Cement Squeeze Record, Depth.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run.

Date of First, Resumerd Production, SWD or Enhr. Producing Method table.

Estimated Production Per 24 Hours table with columns: Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

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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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Sidwell 4-16		
	Sec. 16 Twp. 33S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-30787		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1081-1083.5, 1024.5-1026, 850.5-855	Riverton, Rowe, Weir - 5,400# 20/40 sand, 1,400 15% acid, 622 bbls wtr	850.5-1083.5
4	756.5-757.5, 712.5-714.5, 686-687.5, 660-655, 631.5-634	Mineral, Croweberg, Ironpost, Mulkey, Summit - 6,200# 20/40 sand, 2100 15% acid, 606 bbls wtr	631.5-757.5

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CONSERVATION DIVISION  
WICHITA, KS

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# GEOLOGIC REPORT

LAYNE ENERGY  
 Sidwell 4-16  
 NW ¼, NW ¼, 330' FNL, 330' FWL  
 Section 16-T33S-R16E  
 MONTGOMERY COUNTY, KANSAS

Drilled: June 6-7, 2005  
 Logged: June 8, 2005  
 A.P.I.# 15-125-30787  
 Ground Elevation: 771'  
 Depth Driller: 1,194'  
 Depth Logger: 1,195'  
 Surface Casing: 8 5/8" @ 20'  
 Production Casing: 4 1/2" @ 1,191'  
 Cemented Job: Consolidated  
 Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

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<b>FORMATION .....</b>	<b>TOPS (in feet below ground surface)</b>
Kansas City Group.....	Surface (Noxie Sandstone)
Lenapah Lime .....	285
Altamont Lime.....	335
Weiser Sand.....	361
Pawnee Lime .....	489
Anna Shale.....	516
First Oswego Lime .....	592
Little Osage Shale.....	632
Excello Shale .....	660
Iron Post Coal .....	686
Bevier Coal .....	693
"V" Shale .....	712
Croweburg Coal.....	714
Mineral Coal .....	756
Weir Pitt Coal .....	851
AW Coal .....	1,025
Riverton Coal.....	1,082
Mississippian .....	1,095





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KANSAS CORPORATION COMMISSION SEP 21 2005  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

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WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

<u>6/6/2005</u>	<u>6/7/2005</u>	
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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SEP 23 2005  
WICHITA, KS  
CONSERVATION DIVISION

API No. 15 - 125-30787 - 00-00  
 County: Montgomery  
NW NW NW Sec. 16 Twp. 33 S. R. 16  East  West  
330 feet from S /  (circle one) Line of Section  
330 feet from E /  (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
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 Lease Name: Sidwell Well #: 4-16  
 Field Name: Cherokee Basin Coal Area  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 771 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1197' Plug Back Total Depth: 1180  
 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 1197'  
 feet depth to Surface w/ 135 sx cmt.

**Drilling Fluid Management Plan**  
 (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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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: 9/21/2005  
 Subscribed and sworn to before me this 21<sup>st</sup> day of September,  
 20 05.  
 Notary Public: Mrs. 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 10/14/2008

X

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Side Two

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Operator Name: Layne Energy Operating, LLC Lease Name: Sidwell SEP 21 2005 Well #: 4-16
Sec. 16 Twp. 33 S. R. 16 [x] East [ ] West County: Montgomery

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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:
Compensated Density Neutron
Dual Induction
[x] Log Formation (Top), Depth and Datum [ ] Sample
Name Top Datum
Pawnee Lime 489 GL 282
Excello Shale 660 GL 111
V Shale 712 GL 59
Mineral Coal 756 GL 15
Mississippian 1095 GL -324

CASING RECORD [x] New [ ] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with 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

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives

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
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TUBING RECORD Size Set At Packer At Liner Run [ ] Yes [ ] No
Date of First, Resumerd Production, SWD or Enhr. SI- Waiting for Completion
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 METHOD OF COMPLETION Production Interval
[ ] Vented [ ] Sold [ ] Used on Lease [ ] Open Hole [ ] Perf. [ ] Dually Comp. [ ] Commingled
[ ] Other (Specify)