

1/4/09

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

CONFIDENTIAL

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. B. Nattrass **KCC**  
Phone: (913) 748-3987 **JAN 04 2007**  
Contractor: Name: McPherson Drilling **CONFIDENTIAL**  
License: 5675

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. \_\_\_\_\_

9/8/2006 9/12/2006  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 125-31146 -00-00  
County: Montgomery  
\_\_\_\_ NW SE Sec. 20 Twp. 31 S. R. 17  East  West  
2060 feet from **(S)** N (circle one) Line of Section  
2223 feet from **(E)** W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Blaes Well #: 10-20  
Field Name: Coffeyville-Cherryvale  
Producing Formation: Cherokee Coals  
Elevation: Ground: 832 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1105 Plug Back Total Depth: 1097  
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 1097  
feet depth to Surface w/ 110 sx cmt.

Drilling Fluid Management Plan **Air II NH 9-4-08**  
(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: MB Nattrass  
Title: Agent Date: 1/4/07  
Subscribed and sworn to before me this 4 day of January  
07  
Notary Public: Brooke C. Maxfield  
Date Commission Expires: 12/28/09

NOTARY PUBLIC - State Of Kansas  
BROOKE C. MAXFIELD  
My Appt. Exp. 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  
**JAN 05 2007**

CONSERVATION DIVISION  
WICHITA, KS



# Daily Well Work Report

BLAES 10-20

9/8/2006

**Well Location:**  
MONTGOMERY KS  
31S-17E-20 NW SE  
2060FSL / 2223FEL

**Cost Center** C01032900100  
**Lease Number** C010329  
**Property Code** KSCV31S17E2010  
**API Number** 15-125-31146

| Spud Date | RDMO Date | First Compl  | First Prod   | EFM Install | CygnnetID |                 |
|-----------|-----------|--------------|--------------|-------------|-----------|-----------------|
| 9/8/2006  | 9/12/2006 |              |              |             |           |                 |
| TD        | PBTD      | Sf Csg Depth | Pr Csg Depth | Tbg Size    | Csg Size  | Pump Seat Depth |
| 1105      | 1097      | 20           | 1097         |             |           | 1097            |

**Reported By**                      **Rig Number**                      **Date** 9/8/2006  
**Taken By**                              **Down Time**  
**Present Operation**                      **Contractor**

## Narrative

MIRU McPherson Drilling, drilled 11" hole, 20', Rih/w1 jt 8-5/8" surface casing. Mixed 4 sxs type 1 cement, dumped dn the backside. SDFN

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CONSERVATION DIVISION  
WICHITA, KS

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CONSOLIDATED OIL WELL SERVICES, INC.  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 10705  
 LOCATION EUREKA  
 FOREMAN KEVIN McCoy

TREATMENT REPORT & FIELD TICKET  
 CEMENT

| DATE                            | CUSTOMER # | WELL NAME & NUMBER | SECTION        | TOWNSHIP | RANGE   | COUNTY |
|---------------------------------|------------|--------------------|----------------|----------|---------|--------|
| 9-14-06                         | 4758       | BLAZE 10-20        |                |          |         | MC     |
| CUSTOMER<br>Layne Energy        |            |                    | Gus Jones R.91 |          |         |        |
| MAILING ADDRESS<br>P.O. Box 160 |            |                    | TRUCK #        | DRIVER   | TRUCK # | DRIVER |
| CITY<br>Sycamore                |            |                    | 445            | Justin   |         |        |
| STATE<br>KS                     |            |                    | 439            | Jerrid   |         |        |
| ZIP CODE                        |            |                    |                |          |         |        |

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1105' CASING SIZE & WEIGHT 4 1/2 10.5" new  
 CASING DEPTH 1097' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 # SLURRY VOL 34 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 17.4 BBL DISPLACEMENT PSI 600 PSI 1100 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing, BREAK circulation w/ 25 BBL Fresh water. Pump 4 sks Gel flush, 5 BBL water spacer, 10 BBL Metasilicate Pre Flush, 9 BBL Dye water. Mixed 110 sks Thick Set Cement w/ 10" Kol-Seal Pcc/sk @ 13.2 # pcc/gal, yield 1.75. Wash out pump & lines. Shut down. Release Plug. Displace w/ 17.4 BBL Fresh water. Final Pumping Pressure 600 PSI. Bump Plug to 1100 PSI. Wait 2 minutes. Release Pressure. Float Hold. Good Cement Returns to Surface = 9 BBL slurry. Job Complete, Rig down.

| ACCOUNT CODE   | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE      | TOTAL   |
|--|-------------------|------------------------------------|-----------------|---------|
| 5401   | 1                 | PUMP CHARGE                        | 800.00          | 800.00  |
| 5406   | 40                | MILEAGE                            | 3.15            | 126.00  |
| 1126 A   | 110 SKS           | THICK Set Cement                   | 14.65           | 1611.50 |
| 1110 A   | 1100 #            | KOL-SEAL 10" Pcc/sk                | .36 #           | 396.00  |
| 1118 A   | 200 #             | Gel Flush                          | .14 #           | 28.00   |
| 1111 A   | 50 #              | Metasilicate Pre Flush             | 1.65 #          | 82.50   |
| 5407 A   | 6.05 TONS         | 40 miles BULK TRUCK                | 1.05            | 254.10  |
| 4404   | 1                 | 4 1/2 Top Rubber Plug              | 40.00           | 40.00   |
| RECEIVED<br>KANSAS CORPORATION COMMISSION<br>JAN 05 2007<br>CONSERVATION DIVISION<br>WICHITA, KS |                   |                                    |                 |         |
|  |                   |                                    | Sub Total       | 3338.10 |
|  |                   | THANK YOU                          | SALES TAX 5.3%  | 114.37  |
|  |                   | 208988                             | ESTIMATED TOTAL | 3452.47 |

AUTHORIZATION Called By John Ed

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

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## GEOLOGIC REPORT

LAYNE ENERGY  
Blaes 10-20  
NW SE, 2060 FSL, 2223 FEL  
Section 20-T31S-R17E  
Montgomery County, KS

|                     |   |
|---------------------|---|
| Spud Date:          | 9/8/2006  |
| Drilling Completed: | 9/12/2007   |
| Logged:             | 9/12/2006   |
| A.P.I. #:           | 1512531146  |
| Ground Elevation:   | 832'  |
| Depth Driller:      | 1105'   |
| Depth Logger:       | 1105'   |
| Surface Casing:     | 8.625 inches at 20'   |
| Production Casing:  | 4.5 inches at 1097'   |
| Cemented Job:       | Consolidated  |
| Open Hole Logs:     | Dual Induction SFL/GR, High Resolution<br>Compensated Density/Neutron |

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WICHITA, KS

### Formation

Kansas City Group  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

### Tops (in feet below ground level)

Surface (Dennis Limestone)  
454  
598  
652  
698  
1,012

1/4/09

*Layne Energy, Inc.*

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

January 4, 2007

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CONSERVATION DIVISION  
WICHITA, KS

Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

Re: Well Completion Form

To Whom It May Concern:

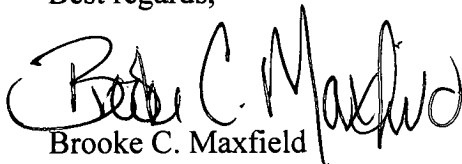
I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31146  
Blaes 10-20

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

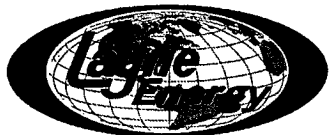
If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,

  
Brooke C. Maxfield

Enclosures

Cc Well File  
Field Office



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RECEIVED KANSAS CORPORATION COMMISSION 8/14/09

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

JUL 20 2007

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION WICHITA, KS

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

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Wellsite Geologist: Designate Type of Completion: [X] New Well [ ] Re-Entry [ ] Workover [ ] Oil [ ] SWD [ ] SLOW [ ] Temp. Abd. [X] 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.

9/8/2006 9/12/2006 3/28/2007 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 125-31146-00-00 County: Montgomery NW SE Sec. 20 Twp. 31 S. R. 17 [X] East [ ] West 2060 feet from (S) N (circle one) Line of Section 2223 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner: (circle one) NE SE NW SW Lease Name: Blaes Well #: 10-20

Field Name: Coffeyville-Cherryvale Producing Formation: Cherokee Coals Elevation: Ground: 832' Kelly Bushing: Total Depth: 1105' Plug Back Total Depth: 1097' Amount of Surface Pipe Set and Cemented at 20 Feet Multiple Stage Cementing Collar Used? [ ] Yes [X] No If yes, show depth set Feet If Alternate II completion, cement circulated from 1097' feet depth to Surface w/ 110 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.:

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: MS [Signature] Title: Agent Date: 7/19/07 Subscribed and sworn to before me this 19 day of July 20 07 Notary Public: MacLaughlin Darling Date Commission Expires: 1/4/2009



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

Operator Name: Layne Energy Operating, LLC Lease Name: Blaes Well #: 10-20  
 Sec. 20 Twp. 31 S. R. 17  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 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<br><i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name                                    | Top                              | Datum                           |
| Cores Taken   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Pawnee Lime                             | 454 GL                           | 378                             |
| Electric Log Run<br><i>(Submit Copy)</i>                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Excello Shale                           | 598 GL                           | 234                             |
| List All E. Logs Run:                                       |   | V Shale                                 | 652 GL                           | 180                             |
| Compensated Density Neutron                                 |   | Mineral Coal                            | 698 GL                           | 134                             |
| Dual Induction  |   | Mississippian                           | 1012 GL                          | -180                            |

| 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"               | 8.625"                    | 24                | 20'           | Class A        | 4           | Type 1 cement              |
| Casing  | 6.75"             | 4.5"                      | 10.5              | 1097'         | Thick Set      | 110         | 10# KOL seal @ sx          |

| 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<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                | See Attached Page   | RECEIVED<br>KANSAS CORPORATION COMMISSION  |       |
|                |   | JUL 20 2007  |       |
|                |   | CONSERVATION DIVISION<br>WICHITA, KS   |       |

|  |   |           |   |
|--|---|-----------|---|
| TUBING RECORD                                    | Size Set At   | Packer At | Liner Run   |
|  | 2-3/8" 980'   |           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumerd Production, SWD or Enhr. | Producing Method  |           |   |
| 4/10/2007  | <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   | 3         | 88  |

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Submit ACO-18.)*  Other (Specify) \_\_\_\_\_



|                             |  |  |               |
|-----------------------------|--|--|---------------|
| <b>Operator Name:</b>       | Layne Energy Operating, LLC.   |  |               |
| <b>Lease Name:</b>          | Blaes 10-20  |  |               |
|                             | Sec. 20 Twp. 31S Rng. 17E, Montgomery County                           |  |               |
| <b>API:</b>                 | 15-125-31146-00-00   |  |               |
|                             |  |  |               |
| <b>Shots per Foot</b>       | <b>Perforation Record</b>  | <b>Acid, Fracture, Shot, Cement Squeeze Record</b>             | <b>Depth</b>  |
| <b>Initial Perforations</b> |  |  |               |
| 4                           | Mulky 598' - 604'<br>Summit 572.5' - 576'                              | 9100 lbs 20/40 sand<br>694 bbls water<br>850 gals 15% HCl acid | 572.5' - 604' |
| 4                           | Rowe 947' - 949'<br>Bluejacket 825.5' - 827.5'<br>Weir 808' - 809.5'   | 5800 lbs 20/40 sand<br>483 bbls water<br>600 gals 15% HCl acid | 808' - 949'   |
| 4                           | Mineral 697' - 698.5'<br>Croweburg 653.5' - 656'<br>Bevier 631' - 633' | 6800 lbs 20/40 sand<br>526 bbls water<br>850 gals 15% HCl acid | 631' - 698.5' |

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JUL 20 2007

CONSERVATION DIVISION  
WICHITA, KS

*Layne Energy, Inc.*

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

1/19/09

July 19, 2007

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KANSAS CORPORATION COMMISSION

JUL 20 2007

CONSERVATION DIVISION  
WICHITA, KS

Mr. Steve Bond  
Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

KCC  
JAN 04 2007  
CONFIDENTIAL

Re: Amended Well Completion Forms

Dear Mr. Bond:

I have enclosed the **amended** ACO-1 form and associated data for the following well:

API # 15-125-31146-00-00  
Blaes 10-20

We respectfully request that all information submitted be kept confidential. Per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information, please contact me at (913) 748-3960.

Sincerely,

*MacLaughlin Darling*  
MacLaughlin Darling  
Engineering Technician

Enclosures

cc: Well File  
Field Office

