

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

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  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. \_\_\_\_\_

8/4/2006                      8/8/2006                      10/17/2006  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                                                Recompletion Date

API No. 15 - 125-31053-06-00  
County: Montgomery  
\_\_\_\_\_ W/2 - NW Sec. 3 Twp. 32 S. R. 14  East  West  
1300 feet from S /  (circle one) Line of Section  
990 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Dickens Well #: 4-3  
Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals  
Elevation: Ground: 878 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1469 Plug Back Total Depth: 1450  
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 1450  
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan AIT I NH 8-25-08  
(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 Natrass  
Title: Agent Date: 11/30/06  
Subscribed and sworn to before me this 30 day of November  
2006  
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

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NOV 30 2006

Operator Name: Layne Energy Operating, LLC Lease Name: Dickens Well #: 4-3  
 Sec. 3 Twp. 32 S. R. 14  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  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Pawnee Lime 918 GL -40  
 Excello Shale 1070 GL -192  
 V Shale 1119 GL -241  
 Mineral Coal 1167 GL -289  
 Mississippian 1431 GL -553

List All E. Logs Run:

Compensated Density Neutron  
 Dual Induction

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**WICHITA, KS**

**STRING RECORD**  New  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                | 8.65                      | 24                | 20'           | Class A        | 4            | Type 1 cement              |
| Casing            | 6.75              | 4.5                       | 10.5              | 1450'         | Thick Set      | 150          |                            |

**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>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
|                | See Attached  |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

**TUBING RECORD** Size 2 3/8" Set At 1395' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumerd Production, SWD or Enhr. 11/9/2006 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   | 0         | 34      | 34          |               |         |

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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**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** Dickens 4-3  
Sec. 3 Twp. 32S Rng. 14E, Montgomery County  
**API:** 15-125-31053

| <b>Shots per Foot</b> | <b>Perforation Record</b>             | <b>Acid, Fracture, Shot, Cement Squeeze Record</b>                              | <b>Depth</b>  |
|-----------------------|---------------------------------------|---|---------------|
| 4                     | 1379-1380.5, 1182-1183, 1166.5-1168.5 | Rowe, Scammon A, Mineral - 4400# 20/40 sand, 450 bbls wtr, 500 gal 15% HCl acid | 1166.5-1380.5 |
| 4                     | 1119-1124, 1098-1100                  | Croweburg, Iron Post - 7100# 20/40 sand, 430 bbls wtr, 700 gal 15% HCl acid     | 1098-1124     |
| 4                     | 1069.5-1076, 1046-1050                | Mulky, Summit - 11000# 20/40 sand, 559 bbls wtr, 1050 gal 15% HCl acid          | 1046-1076     |

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MORNING COMPLETION REPORT

Report Called in by: John Ed

Report taken by: KRD

|                              |   |                      |          |      |                             |            |  |
|------------------------------|---|----------------------|----------|------|-----------------------------|------------|--|
| LEASE NAME & #               |   | AFE#                 | DATE     | DAYS | CIBP                        | PBTD       |  |
| DICKENS #4-3                 |   | G01027200100         | 8/4/2006 | 1    | DEPTH                       | TYPE FLUID |  |
| PRESENT OPERATION:           |   |                      |          |      |                             | WT         |  |
| DRILL OUT FROM UNDER SURFACE |   |                      |          |      |                             | VIS        |  |
| DEEPEST CASING               | LINERS OD TOP & SHOE DEPTH  | REPAIR DOWN TIME HRS |          |      | CONTRACTOR MOKAT            |            |  |
| OD SHOE DEPTH                | 8 5/8" 24# J-55 --- Set 20'   | TEST PERFS           |          |      | RIG NO                      |            |  |
| PACKER OR ANCHOR             | FISHING TOOLS OD ID   | TO                   |          |      | SQUEEZED OR PLUG BACK PERFS |            |  |
|                              |   | TO                   |          |      | TO                          |            |  |
|                              |   | TO                   |          |      | TO                          |            |  |
|                              |   | TO                   |          |      | TO                          |            |  |
|                              |   | TO                   |          |      | TO                          |            |  |
| HRS                          | BRIEF DESCRIPTION OF OPERATION  |                      |          |      |                             |            |  |
|                              | MIRU MCPHERSON DRILLING, DRILLED 11" HOLE, 20' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING, |                      |          |      |                             |            |  |
|                              | MIXED 4 SXS TYPE 1 CEMENT, DUMPED DN THE BACKSIDE, SDFN.                                |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |
|                              |   |                      |          |      |                             |            |  |

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DAILY COST ANALYSIS

|              |      |
|--------------|------|
| RIG          |      |
| SUPERVISION  | 200  |
| RENTALS      |      |
| SERVICES     | 400  |
| MISC         | 2280 |
| DAILY TOTALS | 2880 |

DETAILS OF RENTALS, SERVICES, & MISC

|                          |      |
|--------------------------|------|
| DRILLING @ 7.50/ft       |      |
| (CEMENT)                 | 80   |
| DIRTWORKS (LOC, RD, PIT) | 400  |
| SURFACE CASING           | 200  |
| LAND/ LEGAL              | 2000 |
|                          |      |
|                          |      |
|                          |      |
|                          |      |

PREVIOUS TCTD \_\_\_\_\_ TCTD \_\_\_\_\_ 2880

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

KCC

NOV 30 2006

TICKET NUMBER 10452  
 LOCATION EUREKA  
 FOREMAN Kevin McCoy

TREATMENT REPORT FIELD TICKET  
 CONFIDENTIAL  
 CEMENT

Dickens 4-3

| DATE            | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE   | COUNTY |
|-----------------|------------|--------------------|---------|----------|---------|--------|
| 8-9-06          | 4758       | Dickens 4-3        |         |          |         | M6     |
| CUSTOMER        |            |                    | TRUCK # | DRIVER   | TRUCK # | DRIVER |
| LAYNE ENERGY    |            |                    | 445     | RICK     |         |        |
| MAILING ADDRESS |            |                    | 442     | JERRID   |         |        |
| P.O. Box 160    |            |                    |         |          |         |        |
| CITY            | STATE      | ZIP CODE           |         |          |         |        |
| Sycamore        | Ks         |                    |         |          |         |        |

Gus Jones  
 Rig 1

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 1469 CASING SIZE & WEIGHT 4 1/2 10.5" NEW  
 CASING DEPTH 1450 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 SLURRY VOL 47 BBL WATER gal/sk 8.0 CEMENT LEFT IN CASING 0'  
 DISPLACEMENT 23 BBL DISPLACEMENT PSI 600 PSI 1100 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. BREAK circulation w/ 30 BBL fresh water. Pump 4 sks Gel Flush, 5 BBL water spacer, 10 BBL Metasilicate Pre Flush, 15 BBL Dye water. Mixed 150 sks THICK Set Cement w/ 10" KOL-Seal per/sk @ 13.2 \* per/gal, yield 1.75. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 23 BBL fresh water. final Pumping Pressure 600 PSI. Bump Plug to 1100 PSI. wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to Surface = 9 BBL Slurry. Job Complete. Rig down.

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| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT   | UNIT PRICE | TOTAL           |
|--------------|-------------------|--------------------------------------|------------|-----------------|
| 5401         | 1                 | CONSERVATION DIVISION PUMP CHARGE KS | 800.00     | 800.00          |
| 5406         | 40                | MILEAGE 1 <sup>st</sup> well of 2    | 3.15       | 126.00          |
| 1136 A       | 150 SKS           | THICK Set Cement                     | 14.65      | 2197.50         |
| 1110 A       | 1500 *            | KOL-SEAL 10" PER/SK                  | .36 *      | 540.00          |
| 1118 A       | 200 *             | Gel Flush                            | .14 *      | 28.00           |
| 1111 A       | 50 *              | Metasilicate Pre Flush               | 1.65 *     | 82.50           |
| 5407 A       | 8.25 TONS         | 40 miles Bulk TRUCK                  | 1.05       | 346.50          |
| 4404         | 1                 | 4 1/2 Top Rubber Plug                | 40.00      | 40.00           |
|              |                   |                                      | Sub TOTAL  | 4160.50         |
| THANK YOU    |                   |                                      | 5.3%       | SALES TAX       |
|              |                   |                                      |            | ESTIMATED TOTAL |
|              |                   |                                      |            | 4313.56         |

201976

AUTHORIZATION Called By John Ed TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**GEOLOGIC REPORT**

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LAYNE ENERGY  
Dickens 4-3  
NW NW, 1300 FNL, 990 FWL  
Section 3-T32S-R14E  
Montgomery County, KS

Spud Date: 8/4/2006  
Drilling Completed: 8/8/2006  
Logged: 8/8/2006  
A.P.I. #: 1512531053  
Ground Elevation: 878'  
Depth Driller: 1469'  
Depth Logger: 1469'  
Surface Casing: 8.625 inches at 40'  
Production Casing: 4.5 inches at 1465'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

| <b>Formation</b> | <b>Tops (in feet below ground level)</b> |
|------------------|--|
| Quaternary       | Surface (Alluvium)                       |
| Pawnee Limestone | 918                                      |
| Excello Shale    | 1,070                                    |
| "V" Shale        | 1,119                                    |
| Mineral Coal     | 1,167                                    |
| Mississippian    | 1,431                                    |

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11/30/08

**Layne Energy, Inc.**

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

November 30, 2006

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

**KCC**  
NOV 30 2006  
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Re: Well Completion Form

To Whom It May Concern:

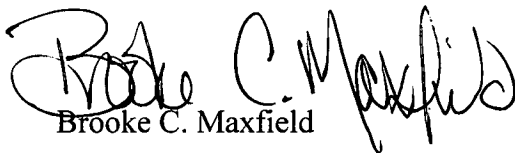
I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31053  
Dickens 4-3

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

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Enclosures

Cc Well File  
Field Office

