



Operator Name: Birk Petroleum Lease Name: Merritt Well #: 18  
 Sec. 7 Twp. 23 S. R. 15  East  West County: Coffey

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample<br><br>Name Top Datum<br>See attached drill log |
|--|--|

| CASING RECORD <input type="checkbox"/> New <input checked="" 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 | # Sacks Used | Type and Percent Additives |
| Surface   | 9 7/8"            | 7"                        |                   | 40'           | Portland       | 16           | Calcium                    |
| Long String   | 5 7/8"            | 2 7/8"                    |                   | 1216'         | Portland       | 120          |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |             |                            |
|--|------------------|----------------|-------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><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     |
|----------------|---|--|-----------|
| None           | Open hole completion 1216-1227'   | Frac w/32 sx sand  | 1216-1227 |
|                |   |  |           |
|                |   |  |           |

|  |           |  |             |   |
|--|-----------|--|-------------|---|
| TUBING RECORD:   | Size:     | Set At:  | Packer At:  | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Enhr.<br>pending |           | Producing Method: <input type="checkbox"/> Flowing <input 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   |

|   |  |  |
|---|--|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|--|--|

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KCC WICHITA

**BIRK PETROLEUM  
900 SOUTH 4<sup>TH</sup> ST  
BURLINGTON, KS 66839  
OP: #31280**

|  |  |
|--|--|
| <b>DATE: 09/18/2009</b>                              | <b>LEASE: MERRITT</b>                      |
| Birk Petroleum                                       | WELL: 18                                   |
| 874 12 <sup>TH</sup> Rd SW                           | Description: 2465' FSL; 175' FWL; 7-23-15E |
| Burlington, Ks 66839                                 | County: Coffey                             |
| Spud: 09/16/2009 T.D.: 9/18/2009 Complete: 9/18/2009 | API: 15-031-22408-0000                     |

| FORMATIONS         | FROM | TO   | FORMATIONS  | FROM | TO   |
|--------------------|------|------|-------------|------|------|
| Top Soil           | 0    | 2    | Lime        | 1123 | 1216 |
| Sandstone          | 2    | 10   | Oil Sand    | 1216 | 1224 |
| Rock               | 10   | 12   | Sandy Shale | 1224 | 1227 |
| Shale              | 12   | 39   | T.D. 1227'  |      |      |
| Lime               | 39   | 41   |             |      |      |
| Shale              | 41   | 54   |             |      |      |
| Lime               | 54   | 55   |             |      |      |
| Shale              | 55   | 76   |             |      |      |
| Lime               | 76   | 79   |             |      |      |
| Shale              | 79   | 81   |             |      |      |
| Lime               | 81   | 85   |             |      |      |
| Shale              | 85   | 87   |             |      |      |
| Lime               | 87   | 89   |             |      |      |
| Shale              | 89   | 109  |             |      |      |
| Lime               | 109  | 126  |             |      |      |
| Shale              | 126  | 144  |             |      |      |
| Lime               | 144  | 148  |             |      |      |
| Shale              | 148  | 189  |             |      |      |
| Lime               | 189  | 190  |             |      |      |
| Shale              | 190  | 263  |             |      |      |
| Lime               | 263  | 268  |             |      |      |
| Shale              | 268  | 278  |             |      |      |
| Lime               | 278  | 289  |             |      |      |
| Shale              | 289  | 438  |             |      |      |
| Lime               | 438  | 492  |             |      |      |
| Shale              | 492  | 501  |             |      |      |
| Lime               | 501  | 523  |             |      |      |
| Shale              | 523  | 594  |             |      |      |
| Lime - Top KC Lime | 594  | 718  |             |      |      |
| Red Shale/Shale    | 718  | 739  |             |      |      |
| Lime               | 739  | 742  |             |      |      |
| Shale              | 742  | 746  |             |      |      |
| Lime               | 746  | 1000 |             |      |      |
| Shale              | 1000 | 1123 |             |      |      |

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|                     |                            |                    |                        |
|---------------------|----------------------------|--------------------|------------------------|
| Surface bit: 9 7/8" | Surface Casing Length: 40' | Size: 7"           | Cement: 16 sx Portland |
| Drill bit: 5 7/8"   | T.D.: 1227'                | Long String: 1216' | Size: 2 7/8"           |

# Meier's Ready Mix, Inc.



Plant P.O. Box 8477 • 1105 N.W. Lower Silver Lk. Rd. • Topeka, Kansas 66608 Office  
 (785) 233-9900 FAX # 233-9947 (785) 233-2423

|                |      |         |         |                                  |        |        |
|----------------|------|---------|---------|----------------------------------|--------|--------|
| PLANT          | TIME | DATE    | ACCOUNT | TRUCK                            | DRIVER | TICKET |
|                |      | 9/19/09 |         |                                  |        |        |
| CUSTOMER NAME  |      |         |         | DELIVERY ADDRESS                 |        |        |
| Bank Oil       |      |         |         | Merritt # 18<br>Pickups at Plant |        |        |
| PURCHASE ORDER |      | ORDER # | TAX     |                                  |        | SLUMP  |

| LOAD QTY | PRODUCT  | DESCRIPTION    | ORDERED | DELIVERED | UNIT PRICE           | AMOUNT     |
|----------|----------|----------------|---------|-----------|----------------------|------------|
|          |          | 120 Bag Cement |         | 5640x2    | 11.280 <sup>15</sup> |            |
|          | Bank Oil |                |         |           |                      | 840 gallon |
|          |          |                |         |           | (check 10.933)       |            |

|             |                 |                 |                  |              |
|-------------|-----------------|-----------------|------------------|--------------|
| LEAVE PLANT | ARRIVE JOB SITE | START DISCHARGE | FINISH DISCHARGE | ARRIVE PLANT |
|-------------|-----------------|-----------------|------------------|--------------|

SUBTOTAL 902.40  
 TAX  
 TOTAL 47.82  
 PREVIOUS TOTAL  
 GRAND TOTAL 950.22

DRIVER Note here if water has been added and how much. **NOTE** We are not responsible for concrete freezing after placement. **IMPORTANT** We cannot be held responsible for damage caused by our trucks when delivering material beyond the curb-line. Not responsible for quality of concrete if water is added by purchaser.

283425

**Caution:**  
**FRESH CONCRETE**  
 Body or eye contact with fresh (moist) concrete should be avoided because it contains alkali and is caustic.

Received By \_\_\_\_\_

*11/13/09  
 Merritt # 18  
 750*

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