

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5682  
Name: Hughes Drilling Co.  
Address 1: 122 N. Main  
Address 2: \_\_\_\_\_  
City: Wellsville State: Ks Zip: 66092 + 8522  
Contact Person: Carl (Clay) Hughes  
Phone: ( 913 ) 963-9127  
CONTRACTOR: License # 5682  
Name: Hughes Drilling Co.  
Wellsite Geologist: \_\_\_\_\_  
Purchaser: High Sierra

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW  
 Gas       D&A       ENHR       SIGW  
 OG       GSW       Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., 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     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

| 3/28/11                           | 3/30/11         | 5/11/11                                 |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |

API No. 15 - 091-23,447-0000  
Spot Description: \_\_\_\_\_  
SW NE SW SE Sec. 36 Twp. 14 S. R. 21  East  West  
880 884 Feet from  North /  South Line of Section  
1.760 1881 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Johnson  
Lease Name: Braun Well #: 17-1  
Field Name: Longanecker Southeast  
Producing Formation: Bartlesville  
Elevation: Ground: n/a Kelly Bushing: \_\_\_\_\_  
Total Depth: 912 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 35.3 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 901'  
feet depth to: surface w/ 130 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: Carl C. Hughes  
Title: Partner Date: 5/27/11

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dlg Date: 6/2/11

RECEIVED  
MAY 27 2011  
KCC-WICHITA

Operator Name: Hughes Drilling Co. Lease Name: Braun Well #: 17-1  
 Sec. 36 Twp. 14 S. R. 21  East  West County: Johnson

**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 complete copy of all Electric Wire-line 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run:<br><b>Gamma-Ray/Neutron</b> | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample<br><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Hertha</td> <td>406</td> <td>411</td> </tr> <tr> <td>Bartlesville</td> <td>861</td> <td>870</td> </tr> </table> | Name  | Top | Datum | Hertha | 406 | 411 | Bartlesville | 861 | 870 |
| Name   | Top   | Datum |     |       |        |     |     |              |     |     |
| Hertha   | 406   | 411   |     |       |        |     |     |              |     |     |
| Bartlesville   | 861   | 870   |     |       |        |     |     |              |     |     |

| 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             | 8"                        | 15                | 35.3'         | portland       | 9            | none                       |
| Production  | 5 1/4             | 2 7/8"                    | 7                 | 901'          | 50/50 poz      | 130          | 2% gel                     |
|   |                   |                           |                   |               |                |              |                            |

| 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>(Amount and Kind of Material Used) | Depth   |
|----------------|---|---|---------|
| 3              | 861-870   | 150 gallons of HCl Acid (25 ball sealers)   | 861-870 |
|                |   |   |         |
|                |   |   |         |

|   |           |         |  |               |   |
|---|-----------|---------|--|---------------|---|
| 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. |           |         | 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   |
|   |           |         |  |               |   |

|  |   |   |
|--|---|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|

Sec. 36, Twp. 14, Rng. 21

30 Co., Kansas

889 FSL 1760 FEL

API # 15-091-23447

# HUGHES DRILLING REPORT

Well No. 17-T Size 8"  
 Farm BEAUM Feet. 35.30  
 Circulated 9 sx cement

PERMANENT CSG.  
 Size 2 7/8" EUE (3rd)  
 Feet. 901 (ADIT AT 897)

OPERATOR Hughes Drilling

T. D. at Completion 912  
 Contractor HUGHES DRILLING CO.

| DATE          | DRILLED |     | REMARKS - TYPE WORK - BILLING REF. | PIPE TALLY      |
|---------------|---------|-----|------------------------------------|-----------------|
|               | FROM    | TO  |                                    |                 |
| 3-28-11       | 0       | 2   | Soil                               | (1) 21.5-21.5   |
| 35            | 2       | 33  | Clay                               | (2) 22.5-44.0   |
| 3-28-11       | 33      | 52  | Shale                              | (3) 22.5-66.5   |
| 5 5/8 PDC Bit | 52      | 77  | Lime                               | (4) 22.5-89.0   |
|               | 77      | 83  | Shale                              | (5) 22.5-111.5  |
|               | 83      | 92  | Lime                               | (6) 22.5-134.0  |
|               | 92      | 98  | Shale                              | (7) 22.5-156.5  |
|               | 98      | 117 | Lime                               | (8) 22.5-179.0  |
|               | 117     | 137 | Shale (Red Bed 121-123)            | (9) 22.5-201.5  |
|               | 137     | 173 | Lime                               | (10) 22.5-224.0 |
|               | 173     | 194 | Shale                              | (11) 22.5-246.5 |
|               | 194     | 206 | Lime                               | (12) 22.5-269.0 |
|               | 206     | 228 | Shale                              | (13) 22.5-291.5 |
|               | 228     | 237 | Lime                               | (14) 22.5-314.0 |
|               | 237     | 247 | Shale                              | (15) 22.5-336.5 |
|               | 247     | 258 | Lime                               | (16) 22.5-359.0 |
|               | 258     | 275 | Shale                              | (17) 22.5-381.5 |
|               | 275     | 283 | Lime                               | (18) 22.5-404.0 |
|               | 283     | 299 | Shale                              | (19) 22.5-426.5 |
|               | 299     | 297 | Lime                               | (20) 22.5-449.0 |
|               | 297     | 340 | Shale                              | (21) 22.5-471.5 |
| 30'           | 340     | 364 | Lime                               | (22) 22.5-494.0 |
|               | 364     | 372 | Shale (slate 367-368)              | (23) 22.5-516.5 |
| 20'           | 372     | 394 | Lime                               | (24) 22.5-539.0 |
|               | 394     | 398 | Shale (slate 397-398)              | (25) 22.5-561.5 |
|               | 398     | 400 | Lime                               | (26) 22.5-584.0 |
|               | 400     | 406 | Shale                              | (27) 22.5-606.5 |

| STRATA THICKNESS | FORMATION DRILLED | T.D. |
|------------------|-------------------|------|
| 2                | soil              | 2    |
| 31               | Clay              | 33   |
| 19               | Shale             | 52   |
| 25               | Lime              | 77   |
| 6                | Shale             | 83   |
| 9                | Lime              | 92   |
| 6                | Shale             | 98   |
| 19               | Lime              | 117  |
| 28               | Shale             | 145  |
| 28               | Lime              | 173  |
| 21               | Shale             | 194  |
| 12               | Lime              | 206  |
| 22               | Shale             | 228  |
| 9                | Lime              | 237  |
| 19               | Shale             | 247  |
| 11               | Lime              | 258  |
| 17               | Shale             | 275  |
| 8                | Lime              | 283  |
| 11               | Shale             | 291  |
| 3                | Lime              | 297  |
| 43               | Shale             | 340  |
| 20'              | Lime              | 364  |
| 9                | Shale             | 372  |
| 20'              | Lime              | 394  |
| 4                | Shale             | 398  |
| 2                | Lime              | 400  |
| 6                | Shale             | 406  |
| Hertha           | Lime              | 411  |
| 171              | Shale             | 582  |
| 5                | Lime              | 587  |
| 14               | Shale             | 601  |
| 6                | Lime              | 607  |
| 16               | Shale             | 623  |
| 2                | Lime              | 625  |
| 12               | Shale             | 637  |
| 9                | Lime              | 646  |
| 4                | Shale             | 650  |
| 3                | Red Bed           | 653  |
| 15               | Shale             | 668  |
| 2                | Lime              | 670  |
| 97               | Shale             | 767  |

3/28/11 - SET 35.30' of 8" surface pipe  
 circulated 9 sx cement



# HUGHES DRILLING CO.

P53

Wellsville, Kansas 66092

Roger 913-883-2235  
Darrel 913-883-4027

CORE TIME  
LEASE Brown #17-I  
FORMATION Barthesville  
DATE: 3-30-11

Ron 913-883-4655  
Clay 913-883-4383

(REM Chip Sample)

| FROM | FEET TO | TIME | MINUTES | REMARKS                          |
|------|---------|------|---------|----------------------------------|
| 860  | 861     | -    |         | Sd+ Lime (some bleed)            |
| 861  | 862     | -    |         | sand lamina w/shale (some bleed) |
| 862  | 863     |      |         | sand slightly lamina w/shale     |
| 863  | 864     |      |         | (bleeding)                       |
| 864  | 865     |      |         | Solid Sand (Good bleed)          |
| 865  | 866     |      |         |                                  |
| 866  | 867     |      |         | sand lamina w/shale (bleeding)   |
| 867  | 868     |      |         |                                  |
| 868  | 869     |      |         | shale                            |
| 869  | 870     |      |         |                                  |
| 870  | 871     |      |         |                                  |
| 871  | 872     |      |         |                                  |
| 872  | 873     |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |
|      |         |      |         |                                  |

(Best Perfor Zone 861-870)

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MAY 27 2011

KCC WICHITA



**CONSOLIDATED**  
Oil Well Services, LLC

API# 15-091-23447-00-00

TICKET NUMBER 31802

LOCATION Ottawa

FOREMAN Alan Mader

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

| DATE                               | CUSTOMER # | WELL NAME & NUMBER       | SECTION | TOWNSHIP | RANGE | COUNTY |
|------------------------------------|------------|--------------------------|---------|----------|-------|--------|
| 3-30-11                            | 3425       | Braden 17-I              | SE 36   | 14       | 21    | SD     |
| CUSTOMER<br><u>Hughes Drilling</u> |            |                          |         |          |       |        |
| MAILING ADDRESS<br><u>122 Main</u> |            |                          |         |          |       |        |
| CITY<br><u>Wellsville</u>          |            |                          |         |          |       |        |
| STATE<br><u>KS</u>                 |            | ZIP CODE<br><u>66092</u> |         |          |       |        |

| TRUCK # | DRIVER  | TRUCK # | DRIVER  |
|---------|---------|---------|---------|
| 516     | Alan M  | Safety  | Meeting |
| 368     | Ken H   | KH      |         |
| 523     | Derek M | DM      |         |

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 912 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 901 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER pin @ 897  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT 3.2 DISPLACEMENT PSI 800 MIX PSI 800 RATE 46 bpm

REMARKS: Hold crew meeting. Mixed + pumped 100 gal to flush hole. Mixed + pumped 130 sk 50/50 p02, 20% gel. Circulated cement. Flushed pump. Pumped plug to pin @ 897. Well held 800 PSI for 30 min MZ. Closed Valve.

Hughes Drilling + water

Alan Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL       |
|--------------|-------------------|------------------------------------|------------|-------------|
| 5401         | 1                 | PUMP CHARGE                        |            | 976.00      |
| 5406         | 25                | MILEAGE                            |            | 100.00      |
| 5402         | 901'              | casing footage                     |            |             |
| 5407         | 150 min           | hour mileage                       |            | 330.00      |
| 118B         | 318#              | gel                                |            | 63.60       |
| 1324         | 130 sk            | 50/50 p02                          |            | 1358.50     |
| 4402         | 1                 | 2' @ plug                          |            | 28.00       |
|              |                   |                                    |            | RECEIVED    |
|              |                   |                                    |            | MAY 27 2011 |
|              |                   |                                    |            | KCC WICHITA |
|              |                   |                                    |            | WD # 2402TD |

SALES TAX ESTIMATED TOTAL 109.13  
 ESTIMATED TOTAL 2964.23

AUTHORIZATION Craig Johnson TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.