

CONFIDENTIAL

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

10/14/10

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5610
Name: Bruce Oil Co.
Address 1: 1704 Limestone Rd
Address 2: _____
City: McPherson State: KS Zip: 67460 + 6500
Contact Person: Levi Koehn
Phone: (620) 241-2938
CONTRACTOR: License # 5663
Name: Mallard JV, INC.
Wellsite Geologist: Robert Peterson
Purchaser: NCRA

OCT 14 2010
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RECEIVED

OCT 14 2010

KCC WICHITA

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 #: _____

| | | |
|-----------------------------------|-----------------|---|
| 08/26/10 | 09/03/10 | 09/09/10 |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-141-20415-00-00

Spot Description: S/2 NE SW

S/2 NE SW Sec. 23 Twp. 8 S. R. 14 East West

1,650 Feet from North / South Line of Section

1,980 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Osborne

Lease Name: Schultze (Bliss #3) Well #: 1

Field Name: Kill Creek

Producing Formation: Topeka

Elevation: Ground: 1819' Kelly Bushing: 1814'

Total Depth: 3638' Plug Back Total Depth: 3286'

Amount of Surface Pipe Set and Cemented at: 781' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1800 ppm Fluid volume: 450 bbls

Dewatering method used: Air dry

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: [Signature]

Title: PRODUCER SUPERVISOR Date: 10/06/10

KCC Office Use ONLY

Letter of Confidentiality Received

Date: 10/14/10 - 10/14/10

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NS Date: 10-18-10

Operator Name: Bruce Oil Co. Lease Name: Schultze (Bliss #3) Well #: 1 **KCC**
 Sec. 23 Twp. 8 S. R. 14 East West County: Osborne **OCT 14 2010**

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DIL/CDL/MICRO/SONIC | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Tarkio</td> <td>2572</td> <td>-753</td> </tr> <tr> <td>Topeka</td> <td>2742</td> <td>-923</td> </tr> <tr> <td>Heebner</td> <td>2978</td> <td>-1159</td> </tr> <tr> <td>Lansing</td> <td>3039</td> <td>-1220</td> </tr> <tr> <td>Viola</td> <td>3550</td> <td>-1731</td> </tr> <tr> <td>PBTD</td> <td>3286</td> <td>-1467</td> </tr> </tbody> </table> | Name | Top | Datum | Tarkio | 2572 | -753 | Topeka | 2742 | -923 | Heebner | 2978 | -1159 | Lansing | 3039 | -1220 | Viola | 3550 | -1731 | PBTD | 3286 | -1467 |
|--|---|-------|-----|-------|--------|------|------|--------|------|------|---------|------|-------|---------|------|-------|-------|------|-------|------|------|-------|
| Name | Top | Datum | | | | | | | | | | | | | | | | | | | | |
| Tarkio | 2572 | -753 | | | | | | | | | | | | | | | | | | | | |
| Topeka | 2742 | -923 | | | | | | | | | | | | | | | | | | | | |
| Heebner | 2978 | -1159 | | | | | | | | | | | | | | | | | | | | |
| Lansing | 3039 | -1220 | | | | | | | | | | | | | | | | | | | | |
| Viola | 3550 | -1731 | | | | | | | | | | | | | | | | | | | | |
| PBTD | 3286 | -1467 | | | | | | | | | | | | | | | | | | | | |

| 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 | # Sacks Used | Type and Percent Additives |
| Surface Casing | 12 1/4 | 8 5/8 | 20 | 781 | 60/40 pos mix | 325 | 2% CCI, 3% gel |
| Production Casing | 7 7/8 | 5 1/2 | 14 | 3286 | 60/40 pos mix | 170 | 5# gelsonite/sac, 3% gel |

| 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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|---|---|--|-----------|
| 4 | 2772-2777 | | 2772-2777 |
| <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> RECEIVED OCT 14 2010 KCC WICHITA </div> | | | |

| | | | | |
|--|-------------------------|--|-------------------------|--|
| TUBING RECORD: | Size: <u>2 3/8</u> | Set At: <u>3281'</u> | Packer At: <u>N/A</u> | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or ENHR. <u>09/10/10</u> | | Producing Method: <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. <u>100</u> | Gas Mcf <u>0</u> | Water Bbls. <u>0</u> | Gas-Oil Ratio <u>0%</u> |
| | | | | Gravity <u>32</u> |

| | | |
|--|--|--|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: <u>2772-2777</u> |
|--|--|--|

ALLIED CEMENTING CO., LLC. 041931

 REMIT TO P.O. BOX 31
 RUSSELL, KANSAS 67665

 SERVICE POINT: Russell KS

| | | | | | | | |
|------------------------------------|----------------|----------------|------------------------------------|--|-----------------------|--------------------------|----------------------------|
| DATE <u>8-27-10</u> | SEC. <u>12</u> | TWP. <u>20</u> | RANGE <u>24</u> | CALLED OUT | ON LOCATION | JOB START <u>9:30 pm</u> | JOB FINISH <u>10:00 pm</u> |
| LEASE <u>SCHULTZ</u> # <u>1</u> | | | LOCATION <u>Paradise 10x 2E 2N</u> | | COUNTY <u>OSBORNE</u> | STATE <u>KANSAS</u> | |
| OLD OR NEW (Circle one) <u>NEW</u> | | | | at <u>1/8 W 3 1/2 N 1/2 E 34N INTO</u> | | | |

CONTRACTOR MAILORD DRUG RIG #1
 TYPE OF JOB LONG SURFACE
 HOLE SIZE 12" 1/4 T.D. 781'
 CASING SIZE 8 5/8 New DEPTH 780'
 TUBING SIZE 20# CSG DEPTH
 DRILL PIPE DEPTH
 TOOL BAFFLE Plate DEPTH @ 736
 PRES. MAX MINIMUM
 MEAS. LINE SHOES JOINT 45.65
 CEMENT LEFT IN CSG. 45.65
 PERFS.
 DISPLACEMENT 46.87 / BBL

OWNER
 CEMENT AMOUNT ORDERED 325 SX 60/40
270 GEL
3% CC

| | | | | |
|----------|------------|---|--------------|----------------|
| COMMON | <u>195</u> | @ | <u>13.50</u> | <u>2632.50</u> |
| POZMIX | <u>130</u> | @ | <u>7.55</u> | <u>981.50</u> |
| GEL | <u>5</u> | @ | <u>20.25</u> | <u>101.25</u> |
| CHLORIDE | <u>11</u> | @ | <u>51.50</u> | <u>566.50</u> |
| ASC | | @ | | |

| | | | | |
|--------------|--------------------|---|-------------|-----------------------|
| HANDLING | <u>325</u> | @ | <u>2.25</u> | <u>731.25</u> |
| MILEAGE | <u>110 1/2 hrs</u> | | | <u>975.00</u> |
| TOTAL | | | | <u>5988.00</u> |

EQUIPMENT

PUMP TRUCK CEMENTER Galena
 # 417 HELPER Ron
 BULK TRUCK DRIVER David
 # 481
 BULK TRUCK DRIVER

REMARKS:

Ran 17 ITS New 20# 8 5/8 CSG.
Set @ 780. Good Hole & Received
circulation. Cement w/ 325 SX
60/40 270 gel & 3% cc. Release rubber
wiper plug & Displace 46.87 BBL
Land plug @ # & Shut in
Cement did circulate to surface
THANKS

SERVICE

| | | | |
|-------------------|-----------|---|---------------------------|
| DEPTH OF JOB | | | |
| PUMP TRUCK CHARGE | | | <u>991.00</u> |
| EXTRA FOOTAGE | | @ | |
| MILEAGE | <u>30</u> | @ | <u>7.00</u> <u>210.00</u> |
| MANIFOLD | | @ | |
| | | @ | |
| | | @ | |
| TOTAL | | | <u>1201.00</u> |

CHARGE TO: BRUCE OIL CO.
 STREET
 CITY STATE ZIP

8 5/8 CSG PLUG & FLOAT EQUIPMENT

| | | | |
|-----------------------|---|--------------|----------------------|
| 2 - Centralizers | @ | <u>49.00</u> | <u>98.00</u> |
| 1 - BAFFLE PLATE | @ | | <u>62.70</u> |
| 1 - SOLID RUBBER PLUG | @ | | <u>74.00</u> |
| | @ | | |
| | @ | | |
| TOTAL | | | <u>234.70</u> |

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Brent Urban
 SIGNATURE [Signature]

SALES TAX (If Any)
 TOTAL CHARGES [Redacted]
 DISCOUNT [Redacted] IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 041975

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

| | | | | | | | |
|--|-----------------|--|-----------------|------------|--------------------------|-----------------------------|------------------------------|
| DATE <u>9-3-10</u> | SEC. <u>23</u> | TWP. <u>8</u> | RANGE <u>14</u> | CALLED OUT | ON LOCATION | JOB START <u>4:00 am</u> | JOB FINISH <u>4:45 am</u> |
| LEASE <u>Schultze</u> | WELL # <u>1</u> | LOCATION <u>Paradise KS 10 North 2 East</u> | | | COUNTY <u>Osborne</u> | STATE <u>KS</u> | |
| OLD OR <input checked="" type="radio"/> NEW (Circle one) | | <u>2 North 1/8 West 3 1/2 North 1/2 East 3/4 North</u> | | | | | |

CONTRACTOR Mallard

TYPE OF JOB Production String

HOLE SIZE 7 7/8 T.D. 3640'

CASING SIZE 5 1/2 14# & 17# DEPTH 3300'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 8'

CEMENT LEFT IN CSG. 8'

PERFS. Latch Down Baffle @ 3291'

DISPLACEMENT 77 Bbl

OWNER _____

CEMENT

AMOUNT ORDERED 200 60/40 10% Salt S Gilsonite

1 sk 2 1/2 Gel

500 Gal. WFR-2

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

398 HELPER Glenn

BULK TRUCK

410 DRIVER Richard TWS

BULK TRUCK

_____ DRIVER _____

REMARKS:

Ran 3300' 5 1/2 casing. Est. Circulation and circulate 45 min. on bottom Plug rathole w/ 30sk cement and pump 500 gal WFR-2. Mix 170 sk cement. Displace plug w/ 77 Bbl

Land plug @ 1500psi

Float Did Hold!

Thank You!

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

CHARGE TO: Bruce Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

5 1/2 PLUG & FLOAT EQUIPMENT

Packer Shoe @ _____

6-Centralsizers @ _____

4-Cement Baskets @ _____

Latch down Plug @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME LEVI Kaitin

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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