



KANSAS CORPORATION COMMISSION 1081456
OIL & GAS CONSERVATION DIVISION

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 # 31473
Name: BG-5, Inc.
Address 1: 3939 ELLIS RD
Address 2: _____
City: RANTOUL State: KS Zip: 66079 + 9090
Contact Person: Jimmie Patton
Phone: (785) 869-3860
CONTRACTOR: License # 6142
Name: Town Oil Company Inc.
Wellsite Geologist: NA
Purchaser: _____

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 (Coré, 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 #: _____
8/8/2011 8/12/2011 9/12/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-059-25727-00-00
Spot Description: _____
SW SE NW NE Sec. 13 Twp. 18 S. R. 20 East West
1120 Feet from North / South Line of Section
1920 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Franklin
Lease Name: Trent Burkdoll Well #: T102
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1046 Kelly Bushing: 0
Total Depth: 782 Plug Back Total Depth: _____
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: _____
feet depth to: 20 w/ 3 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

Submitted Electronically

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: Deanna Garrisor Date: 05/21/2012



1081456

Operator Name: BG-5, Inc. Lease Name: Trent Burkdoll Well #: T102
 Sec. 13 Twp. 18 S. R. 20 East West County: Franklin

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

List All E. Logs Run:

GammaRay/Neutron/CCL

Log Formation (Top), Depth and Datum Sample

Name Top Datum
 GammaRay

CASING 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 | # Sacks Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Surface | 9 | 7 | 10 | 20 | Portland | 3 | 50/50 POZ |
| Completion | 5.6250 | 2.8750 | 8 | 775 | Portland | 120 | 50/50 POZ |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|--------------------|------------------|----------------|--------------|----------------------------|
| ___ Perforate | | | | |
| ___ Protect Casing | | | | |
| ___ Plug Back TD | - | | | |
| ___ Plug Off Zone | - | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | | |
|---|-----------|---------|---|---------------|---|
| 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 |

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

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals $BPH \times PSI \times .0004$

BPH — barrels per hour

PSI — pounds square inch

TO FIGURE PUMP DRIVES

* D — Diameter of Pump Sheave

* d — Diameter of Engine Sheave

SPM — Strokes per Minute

RPM — Engine Speed

R — Gear Box Ratio

* C — Shaft Center Distance

D — $RPM \times d$ over $SPM \times R$

d — $SPM \times R \times D$ over RPM

SPM — $RPM \times D$ over $R \times D$

R — $RPM \times d$ over $SPM \times D$

BELT LENGTH — $2C + 1.57(D + d) + \frac{(D - d)^2}{4C}$

*Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. T-102

Farm Trent Burkdehl

KS

(State)

Franklin

(County)

12

(Section)

18

(Township)

20

(Range)

For BG-5
(Well Owner)

TOWN OIL CO.

Route 4

Paola, Kansas 66071

913-294-2125

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|---------------|-------------|-----------------------|
| 7 | scill & clay | 7 | |
| 8 | Lime | 15 | |
| 14 | shale | 29 | |
| 21 | lime | 50 | |
| 15 | shale | 65 | |
| 6 | Lime | 71 | |
| 11 | shale | 82 | |
| 28 | Lime | 110 | |
| 82 | Shale | 192 | |
| 19 | Lime | 211 | |
| 15 | Shale | 226 | |
| 2 | Lime | 228 | |
| 14 | Shale | 242 | |
| 13 | lime | 255 | w shale strata |
| 19 | Shale | 274 | |
| 16 | Lime | 290 | Drum |
| 9 | Shale | 299 | |
| 30 | Lime | 329 | Winterset |
| 7 | Shale & slate | 336 | |
| 21 | Lime | 357 | Bethany Falls |
| 4 | Shale & slate | 361 | |
| 3 | Lime | 364 | K.C. |
| 3 | shale & slate | 367 | |
| 7 | Lime | 374 | Hertha |
| 111 | Shale & slate | 485 | |
| 8 | sand | 493 | no show, solid Broken |

493

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|------------------------|-------------|-----------------------------------|
| 39 | sandy shale | 532 | w-lime strata |
| 11 | Lime | 543 | |
| 15 | sandy shale | 558 | green |
| 1 | Lime | 559 | |
| 8 | sandy shale | 567 | |
| 28 | sand | 595 | no show solid, grey |
| 5 | lime | 600 | |
| 16 | shale | 616 | w lime strata |
| 2 | lime | 618 | brown |
| 15 | shale | 633 | |
| 8 | lime | 641 | |
| 21 | shale | 662 | w-lime streaks |
| 3 | sand | 665 | good odor small lime cap gassy |
| 9 | sand | 674 | solid good show & odor |
| 3 | sand | 677 | Broken - Black sand slight bleed |
| 44 | sandy shale | 721 | no show |
| 7 | sand | 728 | Broken slight show & odor gassy |
| 3 | sandy shale | 731 | |
| 6 | sand | 737 | good odor & show |
| 45 | sandy shale | 782 | T.D. |