

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32340
Name: Bluegrass Energy, Inc.
Address: 5727 S. Lewis Suite 700
City/State/Zip: Tulsa, OK 74105
Purchaser: Duke Field Services
Operator Contact Person: Mark Repasky
Phone: (918) 743-8060
Contractor: Name: Cheyenne Drilling
License: _____
Wellsite Geologist: None

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW 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. _____
11/3/2000 11/11/5/2000 2/9/2001
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 071-20734-00-00
County: Greeley
C NW Sec. 23 Twp. 20 S. R. 40 East West
1320 feet from N (circle one) Line of Section
1320 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Miller A Well #: 2

Field Name: Bradshaw
Producing Formation: U. Winfield
Elevation: Ground: 3565 Kelly Bushing: 3571
Total Depth: 2890 Plug Back Total Depth: 2841
Amount of Surface Pipe Set and Cemented at 311 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 2890
feet depth to surface w/ 420 sx cmt.

Drilling Fluid Management Plan Alt II KGR 12/14/07
(Data must be collected from the Reserve Pit)
Chloride content 6500 ppm Fluid volume 3000 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

RECEIVED
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS
MAR 16 2001

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: [Signature]
Title: Consulting Engineer Date: 3/13/2001
Subscribed and sworn to before me this _____ day of _____, 19____.
Notary Public: _____
Date Commission Expires: _____

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

X

Operator Name: Bluegrass Energy, Inc. Lease Name: Miller A Well #: 2
 Sec. 23 Twp. 20 S. R. 40 East West County: Greeley

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)

List All E. Logs Run:

DIL
 CNL Form Density

Log Formation (Top), Depth and Datum Sample

| Name | Top | Datum |
|----------------|------|-------|
| B Stone Corral | 2424 | +1147 |
| Krider mrkr | 2754 | +817 |
| U. Winfield | 2797 | ++774 |
| L. Winfield | 2829 | ++742 |
| U. Ft Riley | 2862 | +709 |

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 | # Sacs Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-------------------|---------------|----------------|-------------|----------------------------|
| Surface | 12 1/4 | 8 5/8 | 23.0 | 311 | Class C | 160 | 2% CC, 1/4# fl |
| Production | 7 7/8 | 4 1/2 | 10.5 | 2890 | 50/50 POZ | 420 | 2% CC 5% calse |

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 | | | | |

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used)

| Shots Per Foot | Specify Footage of Each Interval Perforated | Amount and Kind of Material Used | Depth |
|----------------|---|----------------------------------|-------|
| 1 | 2801-2806 | 750 Gals 15% HCL | 2801 |
| | | 10,000 gals 25# gel w/10,100 | |
| | | pounds 16/40 sand | 2801 |

TUBING RECORD Size 2 3/8 Set At 2812 Packer At None Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. 1/26/2001 Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 0 | 117 | 40 | | |

Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)
 METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled
 Production Interval Other (Specify)

| Well | | Field | | | Service Date | Customer | Job Number |
|---------------------------------------|------------------------|--------------|----------------------|---|--------------|--|-------------------------|
| Miller A #2-32 | | | | | | CHEYENNE DRILLING | 20185416 |
| Time | CumVol | Density | Pressure U1 | TotFlowrate | Message | | |
| 24 hr clock | bbl | ppg | psi | bpm | ORIGINAL | | |
| 15:21 | 18.72 | -6.24 | 0. | 0. | 0 | 0 | |
| 15:22 | 18.72 | -6.24 | 0. | 0. | 0 | 0 | |
| 15:22 | 18.72 | -6.24 | 0. | 0. | 0 | 0 | |
| 15:23 | 18.72 | -6.24 | -4.58 | 0. | 0 | 0 | |
| 15:23 | 18.72 | -6.24 | -4.58 | 0. | 0 | 0 | Plug not holding |
| 15:23 | 18.72 | -6.24 | 9.16 | 0. | 0 | 0 | |
| 15:24 | 18.88 | -6.24 | 32.05 | 0.28 | 0 | 0 | |
| 15:24 | 19. | -6.24 | 68.68 | 0. | 0 | 0 | |
| 15:25 | 19.14 | -6.24 | 155.7 | 0.28 | 0 | 0 | |
| 15:25 | 19.23 | -6.24 | 375.5 | 0. | 0 | 0 | |
| 15:26 | 19.23 | -6.24 | 343.4 | 0. | 0 | 0 | |
| 15:26 | 19.23 | -6.24 | 329.7 | 0. | 0 | 0 | |
| 15:27 | 19.23 | -6.24 | 0. | 0. | 0 | 0 | |
| 15:27 | 19.23 | -6.24 | 0. | 0. | 0 | 0 | |
| 15:28 | 19.23 | -6.24 | 0. | 0. | 0 | 0 | Flowed back 3/4 bbl |
| 15:28 | 19.23 | -6.25 | 0. | 0. | 0 | 0 | |
| 15:28 | 19.23 | -6.25 | 0. | 0. | 0 | 0 | Pumped 3/4 bbl & shutin |
| 15:49 | | | | | | | Circ 9 bbls of cmt |
| Post Job Summary | | | | | | | |
| Average Pump Rates, bpm | | | | Volume of Fluid Injected, bbl | | | |
| Slurry | N2 | Mud | Maximum Rate | Total Slurry | Mud | Spacer | N2 |
| 5 | 0 | 0 | 5 | 49 | 0 | 10 | 0 |
| Treating Pressure Summary, psi | | | | Breakdown Fluid | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Type | Volume | Density |
| 200 | 200 | 150 | 500 | 0 | | 0 bbl | 0 lb/gal |
| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp | <input checked="" type="checkbox"/> Cement Circulated to Surface? | Volume | 9 | bbl |
| 0 % | 44.5 bbl | 17.2 bbl | 70 °F | <input type="checkbox"/> Washed Thru Perfs | To | 0 | ft |
| Customer or Authorized Representative | | | Dowell Supervisor | | | <input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed | |
| Dornoso Castillo | | | Shubhanan Dakshindas | | | | |

RECEIVED
STATE CORPORATIONS COMMISSION

MAR 16 2014

CONSERVATION DIVISION
Topeka, Kansas



JOB LOG

ORDER NO. 70006

TICKET #

971401

TICKET DATE

11-15-00

REGION North America
 MBU ID / EMP # MCL10110 106328
 LOCATION Liberal
 TICKET AMOUNT \$11,200.13
 WELL LOCATION NE of Syracuse
 LEASE / WELL # Miller #2

NW/COUNTRY MidCont USA
 EMPLOYEE NAME Nick Karbo
 COMPANY Bradshaw Energy LLC
 WELL TYPE 02
 DEPARTMENT Cement
 SEC / TWP / RNG 29-20S-40W

BDA / STATE KS
 COUNTY Gooden
 PSL DEPARTMENT
 CUSTOMER REP / PHONE Mark Repushy
 API / UWI #
 JOB PURPOSE CODE 035

ORIGINAL

| HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS |
|------------------------------------|--------|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| N. Karbo | 106328 | 8 | | | | | |
| A. Zimmerman | 202875 | 8 | | | | | |
| J. Evans | 212723 | 7 | | | | | |
| C. Garza | 194445 | 8 | | | | | |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|-----|---|
| | | | | T | C | Tbg | Csg | |
| | 0145 | | | | | | | called out |
| | 0600 | | | | | | | as per Hold safety, only set up tanks |
| | | | | | | | | rig logging |
| | 1000 | | | | | | | STFF |
| | 1110 | | | | | | | Breakline |
| | 1140 | | | | | 2500 | | Test lines |
| | 1142 | 4 | 0 | | | 100 | | st Mud Flush |
| | 1145 | 3 | 12.0 | | | 150 | | st lead cont 2905 lbs @ 11.2" |
| | 1145 | 5 | 12.0 | | | 100 | | st Tail cont 1305 lbs @ 11.2" |
| | 1216 | | 27 | | | | | end cont |
| | 1217 | | | | | | | wash pump line |
| | 1220 | | | | | | | rel plug |
| | 1221 | 5.5 | 0 | | | 50 | | st disp |
| | 1224 | 5.5 | 18 | | | 125 | | calc cont |
| | 1227 | 2 | 36 | | | 400 | | slow rate |
| | 1231 | 2 | 45.5 | | | 500/1000 | | Bygg plug |
| | 1232 | | | | | | | rel plug float hold |
| | | | | | | | | circ 20 bbl cont to pit |
| | | | | | | | | Job complete Thank you Nick & crew |

STATE OF KANSAS - CORPORATION COMMISSION

MULTIPOINT BACK PRESSURE TEST

ORIGINAL

TYPE TEST: Initial Annual Special TEST DATE: 2-26-01

COMPANY: BLUEGRASS ENERGY, INC. LEASE: MILLER 'A' WELL NO.: 2-23

COUNTY: GREELY LOCATION: 1320FNL&1320FWL SECTION: 23 TWP: 20S RNG (E/W): 40W ACRES:

API WELL NUMBER: 15-071-20734 RESERVOIR: UPPER WINFIELD PIPELINE CONNECTION: BRADSHAW GAS GATHERING

COMPLETION DATE: 1-24-01 PLUG BACK TOTAL DEPTH: 2841 PACKER SET AT: NONE

CASING SIZE: 4.5 WT: 10.5 ID: 4.052 SET AT: 2890 PERF: TO 2801-2806

TUBING SIZE: 2.375 WT: 4.7 ID: 1.995 SET AT: 2812 PERF: TO

TYPE COMPLETION (Describe): SINGLE GAS TYPE FLUID PRODUCTION: WATER

PRODUCING THRU: Casing RESERVOIR TEMPERATURE F: 106 BAR PRESS - Ps: 14.4 Psia

GAS GRAVITY - Gg: .761 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (ft): 2804 TYPE METER CONN.: Flange METER RUN SIZE: 2.067"

REMARKS

OBSERVED DATA

DURATION OF SHUT-IN: 71.5 HR

| RATE No | ORIFICE SIZE in. | METER PRESSURE psig | DIFF. (h _w) | FLOWING TEMP. t | WELL HEAD TEMP. t | CASING WELLHEAD PRESS. | | TUBING WELLHEAD PRESS. | | DURATION HOURS | LIQUID PROD. Bbls |
|---------|------------------|---------------------|-------------------------|-----------------|-------------------|------------------------|--|------------------------|------|----------------|-------------------|
| | | | | | | psig | (P _t) (P _c) psia | psig | psia | | |
| SHUT IN | | | | | | 147.70 | 162.10 | | | 71.5 | |
| 1 | 1.000 | 27.3 | 2.0 | 35 | 75.0 | 143.30 | 157.70 | | | 1.0 | 0 |
| 2 | 1.000 | 28.3 | 7.0 | 41 | 75.9 | 136.80 | 151.20 | | | 1.0 | 1.5 |
| 3 | 1.000 | 28.8 | 16.5 | 44 | 75.0 | 127.00 | 141.40 | | | 1.0 | 1.5 |
| 4 | 1.000 | 29.2 | 31.5 | 45 | 75.0 | 112.50 | 126.90 | | | 1.0 | 1.5 |
| 5 | | | | | | | | | | | |

RATE OF FLOW CALCULATIONS

| RATE No | COEFFICIENT F _b Mcfd | METER PRESSURE psia | EXTENSION $\sqrt{P_m \cdot h_w}$ | GRAVITY FACTOR F _g | FLOWING TEMP FACTOR F _t | DEVIATION FACTOR F _{tw} | RATE OF FLOW Q Mc/d | GOR (ft ³ /bbl) | G _m |
|---------|---------------------------------|---------------------|----------------------------------|-------------------------------|------------------------------------|----------------------------------|---------------------|----------------------------|----------------|
| 1 | 5.0728 | 41.70 | 9.13 | 1.1463 | 1.0249 | 1.0064 | 54.8 | None | 0.761 |
| 2 | 5.0728 | 42.70 | 17.29 | 1.1463 | 1.0188 | 1.0063 | 103.1 | None | 0.761 |
| 3 | 5.0728 | 43.20 | 26.70 | 1.1463 | 1.0157 | 1.0063 | 158.7 | None | 0.761 |
| 4 | 5.0728 | 43.60 | 37.06 | 1.1463 | 1.0147 | 1.0063 | 220.1 | None | 0.761 |
| 5 | | | | | | | | | |

PRESSURE CALCULATIONS

| RATE No | P _t psia | P _c psia | P _w psia | (P _c) ² THOUSANDS | (P _w) ² THOUSANDS | PLOTING POINTS | | % SHUT-IN $100 \frac{P_w - P_a}{P_c - P_a}$ |
|---------|---------------------|---------------------|---------------------|--|--|---|--------|---|
| | | | | | | (P _c) ² - (P _w) ² THOUSANDS | Q Mc/d | |
| 1 | 157.7 | 162.1 | 157.7 | 26.3 | 24.9 | 1.40 | 54.8 | 97.03 |
| 2 | 151.2 | 162.1 | 151.3 | 26.3 | 22.9 | 3.39 | 103.1 | 92.67 |
| 3 | 141.4 | 162.1 | 141.6 | 26.3 | 20.0 | 6.23 | 158.7 | 86.11 |
| 4 | 126.9 | 162.1 | 127.3 | 26.3 | 16.2 | 10.07 | 220.1 | 76.44 |
| 5 | | | | | | | | |

INDICATED WELLHEAD OPEN FLOW: 433 Mc/d @ 14.65 psia "a" = 0.7064

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 26 day of February, 2001

COPY TO KCC WICHITA
Witness (if any)

COPY TO KCC DODGE CITY
For Commission

PRECISION WIRELINE AND TESTING
For Company

MARK BROCK
Checked by (Rev. 10/96)

Operator: BLUEGRASS ENERGY, INC.

Report Date: February, 26, 2001

Well/Lease Name & No.: MILLER 'A' 2-23

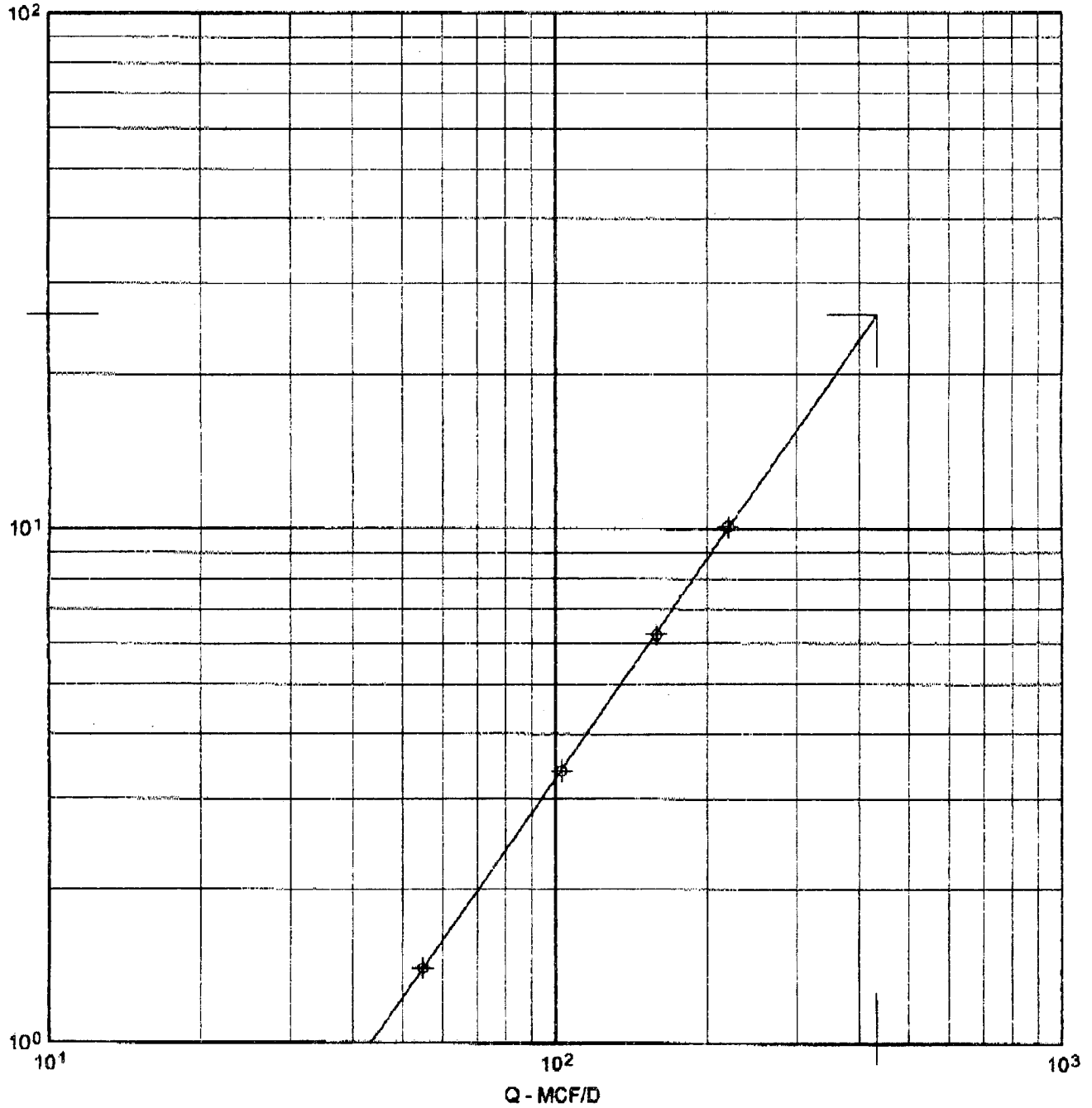
Test Date: 2-26-01

API Well Number: 15 - 071-20734

Sec/Twp/Rge: 23 - 20S - 40W

County: GREELY

ORIGINAL



WHAOF = 433 MCF/D

Slope = 1.4156

(Pc2 - Pw2) = 28.04 (Thousands)

N = 0.7064

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ORIGINAL

Type Test

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
2-27-01

API No. 15
15-071-20734

| | | | | | |
|---|--------------------------------------|---------------------------------------|-----------------------|--|-------------------|
| Company BLUEGRASS ENERGY, INC. | | Lease MILLER 'A | | Well Number 2-23 | |
| County GREELY | Location 1320FNL&1320F | Section 23 | TWP 20S | RNG (E/W) 43W | Acres Attributed |
| Field UPPER WINFIELD | | Reservoir UPPER WINFIELD | | | |
| Completion Date 1-24-01 | | Plug Back Total Depth 2841 | | Pecker Set at NONE | |
| Casing Size 4.5 | Weight 10.5 | Internal Diameter 4.052 | Set at 2890 | Perforations 2801 | To 2806 |
| Tubing Size 2.375 | Weight 4.7 | Internal Diameter 1.995 | Set at 2812 | Perforations | To |
| Type Completion (Describe) SINGLE GAS | | Type Fluid Production WATER | | Pump Unit or Traveling Plunger? Yes / No YES | |
| Producing Thru (Annulus / Tubing) ANNULUS | | % Carbon Dioxide | | % Nitrogen | |
| Vertical Depth(H) 2804 | | Pressure Taps FLANGE | | Gas Gravity - G _g .761 | |
| Pressure Buildup Shut In 2-23-01 | | at 1000 | | (AM) (PM) Taken 2-26-01 | |
| Well on Line: Started 2-26-01 | | at 0930 | | (AM) (PM) Taken 2-27-01 | |
| | | | | at 0930 | |
| | | | | (AM) (PM) | |

OBSERVED SURFACE DATA

Duration of Shut-in 72.0 Hours

| Static / Dynamic Property | Orifice Size inches | Casing and Annulus or Prover Pressure psig | Pressure Differential in (H) Inches H ₂ O | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure (P _{cs}) or (P _{cs}) or (P _{cs}) | | Tubing Wellhead Pressure (P _{tu}) or (P _{tu}) or (P _{tu}) | | Duration (Hours) | Liquid Produced (Barrels) |
|---------------------------|---------------------|--|--|-----------------------|-------------------------|---|-------|---|------|------------------|---------------------------|
| | | | | | | psig | psia | psig | psia | | |
| Shut-in | | | | | | 147.7 | 162.1 | | | 71.5 | |
| Flow | 1.000 | 27.3 | 12.5 | 45 | 75.0 | 124.3 | 138.7 | | | 24.0 | 37 |

FLOW STREAM ATTRIBUTES

| Plate Coefficient (F _{ps}) (F _{ps}) Mcfd | Casing and Annulus or Prover Pressure psia | Press. Extension $\frac{1}{8} P_{ps} \pm H_w$ | Gravity Factor F _g | Flowing Temperature Factor F _t | Deviation Factor F _d | Measured Flow R (Mcfd) | GOR (Cubic Feet Barrels) | Flowing Fluid Gravity G _g |
|--|--|---|-------------------------------|---|---------------------------------|------------------------|--------------------------|--------------------------------------|
| 5.0728 | 41.70 | 22.83 | 1.1463 | 1.0147 | 1.006 | 135.5 | NONE | 0.761 |

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_{cs})² = 26.3 (P_{tu})² = 19.3 P_c = _____ % (P_c - 14.4) + 14.4 = 162.1 (P_{cs})² = 0.207
(P_{cs})² = _____

| (P _{cs}) ² - (P _{tu}) ² or (P _{cs}) ² - (P _{cs}) ² | (P _{cs}) ² - (P _{tu}) ² | Choose formula 1 or 2: 1. P _c ² - P _{cs} ² 2. P _c ² - P _{tu} ² divided by: P _{cs} ² - P _{tu} ² | LOG of formula 1 or 2 and divide by: $\frac{P_{cs} - P_{tu}}{P_{cs} + P_{tu}}$ | Backpressure Curve Slope = "n" Assigned Standard Slope | n x LOG [] | Analog | Open Flow Deliverability Equals R x Analog Mcfd |
|--|---|---|---|---|-------------|--------|---|
| 26.07 | 7.00 | 3.724 | 0.5710 | 0.708 | 0.4031 | 2.5302 | 342.91 |

Open Flow **343** Mcfd @ 14.66 psia Deliverability Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 27 day of FEBRUARY, 2001.

COPY TO KCC WICHITA
Witness (if any)

COPY TO KCC DODGE CITY
For Commission

PRECISION WIRELINE AND TESTING

For Company
MARK BROCK

Checked by

PRECISION WIRELINE and TESTING
P.O. BOX 560
LIBERAL, KANSAS 67905-0560
316-624-4505

PRODUCER BLUEGRASS ENERGY, INC.
WELL NAME MILLER 'A' 2-23
LOCATION 1320FNL&1320FWL 23-20S-40W
COUNTY GREELY STATE KS

CSG 4 1/2 WT 10.5 SET @ 2890 TD _____ PB 2841 GL _____
TBG 2 3/8 WT 4.7 SET @ 2812 SN _____ PKR _____ KB _____
PERFS 2801 TO 2806 TO _____ TO _____ TO _____
PROVER METER 2" TAPS FLANGE ORIFICE 1.000 PCR _____ TCR _____
GG .761 API _____ @ _____ GM _____ RESERVOIR U. WINFIELD

PAGE 05

PRECISION WIRELINE A

316624244

02/27/2001 19:06

| DATE TIME OF READING | ELAP TIME HOURS | WELLHEAD PRESSURE DATA | | | | | | MEASUREMENT DATA | | | | LIQUIDS | | TYPE TEST | INITIAL ANNUAL | SPECIAL RETEST | ENDING DATE | |
|----------------------|-----------------|---|---------|----------|---------|----------|---------|------------------|-------|------|---------|-------------|-------------|-----------|----------------|----------------|-------------|--|
| | | CSG PSIG | Δ P CSG | TBG PSIG | Δ P TBG | BHP PSIG | Δ P BHP | PRESS. PSIG | DIFF. | TEMP | O MCF/D | COND. BBL/S | WATER BBL/S | | | | | DATE 2-27-01 |
| MONDAY 2-26-01 | | | | | | | | | | | | | | | | | | REMARKS PERTINENT TO TEST DATA QUALITY |
| 0930 | 71.5 | 147.7 | | PUMP OFF | | | | | | | | | | | | | | |
| 0930 | | WELL ON 1ST RATE OF MULTI-PT. TEST THROUGH METER RUN. | | | | | | | | | | | | | | | | |
| 0935 | | 146.2 | -1.5 | PUMP OFF | | | | 27.2 | 2.0 | 33 | 55 | | | | | | | |
| 0940 | | 145.2 | -1.0 | PUMP OFF | | | | 27.2 | 2.0 | 33 | 55 | | | | | | | |
| 0945 | | 144.9 | -0.3 | PUMP OFF | | | | 27.2 | 2.0 | 33 | 55 | | | | | | | |
| 1000 | .5 | 143.9 | -1.0 | PUMP OFF | | | | 27.2 | 2.0 | 33 | 55 | | | | | | | |
| 1015 | | 143.5 | -0.4 | PUMP OFF | | | | 27.3 | 2.0 | 35 | 55 | | | | | | | |
| 1030 | 1.0 | 143.3 | -0.2 | PUMP OFF | | | | 27.3 | 2.0 | 35 | 55 | 0 | 0 | | | | | |
| 1030 | | WELL ON 2ND RATE OF MULTI-PT. TEST THROUGH METER RUN. | | | | | | | | | | | | | | | | |
| 1035 | | 140.6 | -2.7 | PUMP ON | | | | 28.0 | 7.0 | 36 | 103 | | | | | | | |
| 1040 | | 138.7 | -1.9 | PUMP ON | | | | 28.2 | 7.0 | 36 | 103 | | | | | | | |
| 1045 | | 138.2 | -0.5 | PUMP ON | | | | 28.2 | 7.0 | 36 | 103 | | | | | | | |
| 1100 | 1.5 | 133.3 | -4.9 | PUMP ON | | | | 28.2 | 7.0 | 38 | 103 | | | | | | | |
| 1115 | | 130.3 | -3.0 | PUMP ON | | | | 28.3 | 7.0 | 41 | 103 | | | | | | | |
| 1130 | 2.0 | 136.8 | +6.5 | PUMP ON | | | | 28.3 | 7.0 | 41 | 103 | 0 | 0 | | | | | |
| 1130 | | WELL ON 3RD RATE OF MULTI-PT. TEST THROUGH METER RUN. | | | | | | | | | | | | | | | | |
| 1135 | | 132.7 | -4.1 | PUMP ON | | | | 28.3 | 12.0 | 41 | 135 | | | | | | | |
| 1140 | | 133.4 | +0.7 | PUMP ON | | | | 28.5 | 14.0 | 42 | 146 | | | | | | | |
| 1145 | | 131.4 | -2.0 | PUMP ON | | | | 28.5 | 20.0 | 42 | 152 | | | | | | | |
| 1200 | 2.5 | 130.2 | -1.2 | PUMP ON | | | | 28.5 | 19.0 | 42 | 170 | | | | | | | |

ORIGINAL

Precision WIRELINE AND TESTING BLUE GRASS ENERGY, INC. MILLER 'A' 2-23

PAGE 06

PRECISION WIRELINE 'A'

315624244

19:06

02/27/2021

| DATE TIME OF READING | ELAP TIME HOURS | WELLHEAD PRESSURE DATA | | | | | | MEASUREMENT DATA | | | | LIQUIDS | | TYPE TEST: | INITIAL | SPECIAL | ENDING DATE |
|---------------------------|-----------------|---|----------------|----------|----------------|----------|----------------|------------------|-------|------|---------|--------------|--------------|------------------------|---------|---------|-------------|
| | | CSG PSIG | ΔP CSG | TBG PSIG | ΔP TBG | BHP PSIG | ΔP BHP | PRESS. PSIG | DIFF. | TEMP | Q MCF/D | COND. BBL.S. | WATER BBL.S. | | | | |
| MONDAY 2-26-01 | (CONVD) | | | | | | | | | | | | | | | | 2-27-01 |
| 1215 | | 128.5 | -1.7 | PUMP ON | | | | 28.7 | 17.0 | 42 | 161 | | | | | | |
| 1230 | 3.0 | 127.0 | -1.5 | PUMP ON | | | | 28.8 | 16.5 | 44 | 159 | 0 | 3 | | | | |
| 1230 | | WELL ON 4TH RATE OF MULTI-PT. TEST THROUGH METER RUN. | | | | | | | | | | | | | | | |
| 1235 | | 123.5 | -5.1 | PUMP ON | | | | 29.0 | 34.0 | 44 | 228 | | | | | | |
| 1240 | | 121.7 | -1.8 | PUMP ON | | | | 29.2 | 35.0 | 44 | 232 | | | | | | |
| 1245 | | 120.5 | -1.2 | PUMP ON | | | | 29.1 | 34.0 | 44 | 228 | | | | | | |
| 1300 | 3.5 | 116.2 | -4.3 | PUMP ON | | | | 29.1 | 33.0 | 45 | 225 | | | | | | |
| 1315 | | 114.2 | -2.0 | PUMP ON | | | | 29.2 | 32.0 | 45 | 222 | | | | | | |
| 1330 | 4.0 | 112.5 | -1.7 | PUMP ON | | | | 29.2 | 31.5 | 45 | 220 | 0 | 4.5 | OBTAIN GAS SAMPLE | | | |
| 1330 | | WELL ON 1PT. TEST. | | | | | | | | | | | | | | | |
| 1335 | | 121.1 | +8.6 | PUMP ON | | | | 29.0 | 15.0 | 45 | 151 | | | | | | |
| 1340 | | 124.8 | +3.7 | PUMP ON | | | | 29.0 | 14.0 | 45 | 146 | | | | | | |
| 1345 | | 126.0 | +1.2 | PUMP ON | | | | 29.0 | 14.0 | 45 | 146 | | | | | | |
| TUESDAY 2-27-01 | | | | | | | | | | | | | | | | | |
| 0930 | 24.0 | 124.3 | | PUMP ON | | | | 27.30 | 12.5" | 45° | 136 | 0 | 37 | SPOT AND 1 DAY AVERAGE | | | |
| | | | | | | | | 152 | 12.5% | 30% | | | | | | | |

ORIGINAL