

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow  
 Deliverability

Test Date:  
1/1/11

API No. 15  
15-185-23175 - 0000

|  |                       |                                |                 |   |                         |
|--|-----------------------|--------------------------------|-----------------|---|-------------------------|
| Company<br>Becker Oil Corporation              |                       | Lease<br>Russell               |                 | Well Number<br>#1-A                                       |                         |
| County<br>Stafford                             | Location<br>N/2 SW NE | Section<br>13                  | TWP<br>25S      | RNG (E/W)<br>13W  | Acres Attributed<br>480 |
| Field<br>Leesburg South                        |                       | Reservoir<br>Chase Group       |                 | Gas Gathering Connection<br>ONEOK                         |                         |
| Completion Date<br>2/2/03                      |                       | Plug Back Total Depth<br>2105' |                 | Packer Set at   |                         |
| Casing Size<br>4 1/2"                          | Weight<br>10.5#       | Internal Diameter              | Set at          | Perforations<br>1849                                      | To<br>1991              |
| Tubing Size<br>2 3/8#                          | Weight<br>29#         | Internal Diameter<br>2"        | Set at<br>1874' | Perforations  | To                      |
| Type Completion (Describe)<br>perf and acidize |                       | Type Fluid Production<br>SW    |                 | Pump Unit or Traveling Plunger? Yes / No<br>No            |                         |
| Producing Thru (Annulus / Tubing)<br>tbg.      |                       | % Carbon Dioxide               |                 | % Nitrogen  |                         |
| Vertical Depth(H)                              |                       | Pressure Taps                  |                 | Gas Gravity - G <sub>g</sub><br>(Meter Run) (Prover) Size |                         |

Pressure Buildup: Shut in 12/30 20 10 at 10:30 AM (AM) (PM) Taken 1/1 20 11 at 10:30 AM (AM) (PM)  
Well on Line: Started \_\_\_\_\_ 20 \_\_\_\_\_ at \_\_\_\_\_ (AM) (PM) Taken \_\_\_\_\_ 20 \_\_\_\_\_ at \_\_\_\_\_ (AM) (PM)

### OBSERVED SURFACE DATA

Duration of Shut-in 48 Hours

| Static / Dynamic Property | Orifice Size (inches) | Circle one:<br>Meter<br>Prover Pressure<br>psig (Pm) | Pressure Differential in Inches H <sub>2</sub> O | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> ) |      | Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> ) |      | Duration (Hours) | Liquid Produced (Barrels) |
|---------------------------|-----------------------|--|--|-----------------------|-------------------------|--|------|--|------|------------------|---------------------------|
|                           |                       |  |  |                       |                         | psig   | psia | psig   | psia |                  |                           |
| Shut-In                   |                       |  |  |                       |                         | 109#   |      |  |      |                  |                           |
| Flow                      |                       |  |  |                       |                         |  |      |  |      |                  |                           |

### FLOW STREAM ATTRIBUTES

| Plate Coefficient (F <sub>v</sub> ) (F <sub>p</sub> ) Mcfd | Circle one:<br>Meter or<br>Prover Pressure<br>psia | Press Extension $\sqrt{P_m \times h}$ | Gravity Factor F <sub>g</sub> | Flowing Temperature Factor F <sub>t</sub> | Deviation Factor F <sub>pv</sub> | Metered Flow R (Mcfd) | GOR (Cubic Feet/ Barrel) | Flowing Fluid Gravity G <sub>m</sub> |
|--|--|---------------------------------------|-------------------------------|---|----------------------------------|-----------------------|--------------------------|--------------------------------------|
|  |  |                                       |                               |   |                                  |                       |                          |                                      |

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>o</sub> - 14.4) + 14.4 = \_\_\_\_\_ : (P<sub>o</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

|  |   |   |   |   |             |         |  |
|--|---|---|---|---|-------------|---------|--|
| (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup><br>or<br>(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> | (P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> | Choose formula 1 or 2:<br>1. P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup><br>2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup><br>divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | LOG of formula 1, or 2, and divide by:<br>P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | Backpressure Curve Slope = "n"<br>or<br>Assigned Standard Slope | n x LOG [ ] | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
|  |   |   |   |   |             |         |  |

Open Flow Mcfd @ 14.65 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 \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

Witness (if any)

For Company

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I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Becker Oil Corporation and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the # 1-A Russell gas well on the grounds that said well:

(Check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. \_\_\_\_\_
- is not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 1/7/11

Signature: Clyde M. Beck

Title: President

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KCC WICHITA

**Instructions:** If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption IS denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

01/26/2011 10:55:37

Meter No. 4471696B  
 Meter Name RUSSELL  
 Operator Number 743361  
 Operator Name BECKER OIL CORPORATION  
 Contract Number 431180 CCT Number 43118001  
 Contracted Party BECKER OIL CORPORATION



Production Month: December 2010  
 System Name CIIENEY GAS SYSTEM  
 Pressure Base 14.65  
 BTU Basis DRY  
 Alloc Decimal: 1.0000000  
 Tax Exempt Dec: 0.000000

Business Date: December 2010

AP

System Totals

LIQUIDS

|                | Theoretical Gal/LT | Actual Gal/LT       |
|----------------|--------------------|---------------------|
| ETHANE         | 2,309,496.71       | 1,798,142.00        |
| PROPANE        | 1,212,248.52       | 1,052,789.00        |
| ISO BUTANE     | 194,001.48         | 169,359.00          |
| NORMAL BUTANE  | 474,402.83         | 402,631.00          |
| ISO PENTANE    | 144,365.20         | 108,313.00          |
| NORMAL PENTANE | 178,229.92         | 126,629.00          |
| HEXANES        | 371,696.30         | 162,394.00          |
| <b>TOTAL</b>   |                    | <b>3,820,257.00</b> |

WELLHEAD/  
RESIDUE

|                     | MCF          | MMBTU        |
|---------------------|--------------|--------------|
| GROSS WELLHEAD      | 1,594,201.29 | 1,796,612.73 |
| NET DELV WELLHEAD   | 1,594,201.29 | 1,796,612.73 |
| SHRINKAGE           | 134,336.66   | 319,383.57   |
| THEORETICAL RESIDUE | 1,459,864.63 | 1,477,229.16 |
| RESIDUE PRODUCED    | 0.00         | 0.00         |
| RESIDUE RETURNED    | 0.00         | 0.00         |
| RES AVAIL FOR SALE  | 1,400,475.37 | 1,358,139.00 |
| RESIDUE SOLD        | 1,400,475.37 | 1,358,139.00 |

Meter Totals

| Theoretical Gal/LT | Actual Gal/LT | In Kind Gal/LT | Producer Percent | Producer Gallons | Price     | Value           |
|--------------------|---------------|----------------|------------------|------------------|-----------|-----------------|
| 162.57             | 126.56        |                | 85.00            | 107.58           | \$0.47632 | \$51.24         |
| 54.24              | 47.11         |                | 85.00            | 40.04            | \$1.17988 | \$47.24         |
| 5.80               | 5.06          |                | 85.00            | 4.30             | \$1.63798 | \$7.04          |
| 10.51              | 8.92          |                | 85.00            | 7.58             | \$1.60749 | \$12.19         |
| 0.33               | 0.25          |                | 85.00            | 0.21             | \$1.97139 | \$0.42          |
| 0.09               | 0.06          |                | 85.00            | 0.05             | \$1.97139 | \$0.10          |
| 3.87               | 1.69          |                | 85.00            | 1.44             | \$1.97139 | \$2.83          |
|                    | <b>189.65</b> | <b>0.00</b>    |                  | <b>161.20</b>    |           | <b>\$121.06</b> |

| Actual        |               | In Kind     |             | Producer     |               | Price         | Value           |                 |
|---------------|---------------|-------------|-------------|--------------|---------------|---------------|-----------------|-----------------|
| MCF           | MMBTU         | MCF         | MMBTU       | Percent      | MCF           |               |                 | MMBTU           |
| 302.00        | 250.51        |             |             |              |               |               |                 |                 |
| 302.00        | 250.51        |             |             |              |               |               |                 |                 |
| 6.97          | 14.38         |             |             |              |               |               |                 |                 |
| 295.03        | 236.13        |             |             |              |               |               |                 |                 |
| 223.87        | 217.10        |             |             |              |               |               |                 |                 |
| 0.00          | 0.00          |             |             |              |               |               |                 |                 |
| 223.87        | 217.10        |             |             |              |               |               |                 |                 |
| <b>223.87</b> | <b>217.10</b> | <b>0.00</b> | <b>0.00</b> | <b>85.00</b> | <b>190.29</b> | <b>184.54</b> | <b>\$4.0800</b> | <b>\$752.90</b> |

TAX DETAIL

| TAX TYPE                     | TAX AMT |
|------------------------------|---------|
| KCC - KANSAS CORPORATION TAX | 3.90    |
| KST - KANSAS SEVERANCE TAX   | 0.00    |

FEES/ADJUSTMENTS

| Fee Type    | Fee Volume | Fee Rate | Value   | Comments |
|-------------|------------|----------|---------|----------|
| METERING    | 0.00       | \$0.0000 | \$0.00  |          |
| COMPRESSION | 250.51     | \$0.0500 | \$12.53 |          |

\$12.53

Comments  
 KSWI 0.35  
 REVISED 9/28/2010  
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**JUN 13 2011**  
**KCC WICHITA**

ONEOK Contact Information  
 Primary: LARRY DEASON  
 918-732-1416  
 LDEASON@ONEOK.COM  
 Measurement: ONEOK ENERGY MEASUREMENT GROUP  
 918-732-1400  
 OFS\_MEASUREMENT@ONEOK.COM  
 Contract: JOICE HIGHFILL  
 918-591-5152

| Gas Analysis   |                |
|----------------|----------------|
| CPM            | Mol %          |
| Helium         | 0.8528         |
| Nitrogen       | 19.8825        |
| Carbon Dioxide | 0.0228         |
| Sulfur         | 0.0000         |
| Methane        | 76.3559        |
| Ethane         | 0.5383         |
| Propane        | 0.1796         |
| Iso-Butane     | 0.0192         |
| Normal Butane  | 0.0348         |
| Iso-Pentane    | 0.0011         |
| Normal Pentane | 0.0003         |
| Hexanes Plus   | 0.0128         |
| Other          | 0.0000         |
| <b>0.7861</b>  | <b>99.9999</b> |

| Summary                 | Value     |
|-------------------------|-----------|
| Residue                 | \$752.90  |
| Liquids                 | \$121.06  |
| Helium                  | \$0.00    |
| Fees/ADPs               | (\$12.53) |
| Subtotal (Before Taxes) | \$861.43  |
| Taxes                   | (\$3.90)  |
| Net Due                 | \$857.53  |

NATURAL GAS ANALYSIS REPORT

Sampled by:  
 Becker Oil Corp.  
 122 East Grand, Suite 212  
 Ponca City, Oklahoma 74601  
 Phone: 580-765-8788  
 Fax: 580-765-1746

Analyzed by:  
 Caraway Analytical, Inc  
 P. O. Box 2137  
 Liberal, Kansas 67905  
 Phone: 316-624-5389  
 Fax: 316-626-7108

Lab Number: 20031523  
 Sample From: Russell A-1  
 Producer: Becker Oil Corp.  
 Date: 03/25/03  
 Time:  
 Sampler: Doug Brown  
 Source:

Analyzed: 03/27/03  
 Pressure: 110  
 Temperature:  
 Location:  
 County:  
 State:  
 Formation: Chase

|                |      | Mole % | GPM   |
|----------------|------|--------|-------|
| Helium         | He:  | 0.911  | 0.000 |
| Hydrogen       | H2:  | 0.000  | 0.000 |
| Oxygen         | O2:  | 0.000  | 0.000 |
| Nitrogen       | N2:  | 25.922 | 0.000 |
| Carbon Dioxide | CO2: | 0.140  | 0.000 |
| Methane        | C1:  | 70.178 | 0.000 |
| Ethane         | C2:  | 2.076  | 0.555 |
| Propane        | C3:  | 0.589  | 0.162 |
| Iso Butane     | iC4: | 0.050  | 0.016 |
| Normal Butane  | nC4: | 0.097  | 0.031 |
| Iso Pentane    | iC5: | 0.014  | 0.005 |
| Normal Pentane | nC5: | 0.013  | 0.005 |
| Hexanes Plus   | C6+: | 0.010  | 0.004 |

TOTAL: 100.000 0.779  
 Z Fact: 0.9986  
 SP.GR.: 0.6785  
 BTU (SAT): 756.2 @ 14.73 psia  
 BTU (DRY): 769.6 @ 14.73 psia  
 OCTANE RATING: 94.1

COMMENTS:

0.000

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