

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow

Deliverability

Test Date:
10/05/2010

API No. 15
15-007-23092-00-00

| | | | | | |
|--|-------------------------|--------------------------------------|---|----------------------------------|---------------------------|
| Company JACK EXPLORATION, INC. | | | Lease BENSON | | Well Number 2-8 |
| County BARBER | Location C NE | Section 08 | TWP 35S | RNG (E/W) 14W | Acres Attributed |
| Field AETNA SE | | Reservoir MISSISSIPPIAN | Gas Gathering Connection ATLAS PIPELINE | | |
| Completion Date 02/17/2005 | | Plug Back Total Depth 5018 | Packer Set at 4763 | | |
| Casing Size 4.5 | Weight 11.6 | Internal Diameter 4.0 | Set at 5049 | Perforations 4854-4926 | To |
| Tubing Size 2.375 | Weight 4.7 | Internal Diameter 1.995 | Set at 4827 | Perforations 4830-4833 | To 4816-4822 |
| Type Completion (Describe) SINGLE | | Type Fluid Production | Pump Unit or Traveling Plunger? | | Yes / No |
| Producing Thru (Annulus / Tubing) TUBING | | % Carbon Dioxide | % Nitrogen | Gas Gravity - G _g | |
| Vertical Depth(H) | | Pressure Taps FLANGE | | (Meter Run) (Prover) Size | |
| Pressure Buildup: ^{9/11} Shut in 09/01 20 10 at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM) | | | | | |
| Well on Line: ^{10/6} Started 10/06 20 10 at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM) | | | | | |

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meter or Prover Pressure psig (Pm) | Pressure Differential in Inches H ₂ O | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure (P _w) or (P _i) or (P _c) | | Tubing Wellhead Pressure (P _w) or (P _i) or (P _c) | | Duration (Hours) | Liquid Produced (Barrels) |
|---------------------------|-----------------------|--|--|-----------------------|-------------------------|--|------------|--|-----------|------------------|---------------------------|
| | | | | | | psig | psia | psig | psia | | |
| Shut-In | | | | | | | 350 | | 50 | | |
| Flow | | | | | | | | | | | |

FLOW STREAM ATTRIBUTES

| Plate Coefficient (F _b) (F _p) Mcfd | Circle one: Meter or Prover Pressure psia | Press Extension $\sqrt{P_m \times h}$ | Gravity Factor F _g | Flowing Temperature Factor F _{tt} | Deviation Factor F _{pv} | Metered Flow R (Mcfd) | GOR (Cubic Feet/ Barrel) | Flowing Fluid Gravity G _m |
|--|---|--|-------------------------------|--|----------------------------------|-----------------------|--------------------------|--------------------------------------|
| | | | | | | | | |

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_d)² = _____

| (P _c) ² - (P _a) ² or (P _c) ² - (P _d) ² | (P _c) ² - (P _w) ² | Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ² | LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$ | Backpressure Curve Slope = "n" ----- 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 4TH day of NOVEMBER, 20 10.

Witness (if any)

For Commission

For Company

Checked by

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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 JACK EXPLORATION, INC.

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 BENSON 2-8 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: 11/04/2010

Signature: 
Title: SECRETARY

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.

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JACK EXPLORATION, INC.

R/D Property Volume Analysis Report
By Sales Date from 8/1/2009 to 9/30/2010

Date: 11/4/2010

For All Leases and Selected Wells

| Production Date | Sale Date | ***** GROSS ***** | | ***** SHARE ***** | |
|-----------------|-----------|-------------------|-------------|-------------------|-------------|
| | | Sales Volume | Prod Volume | Sales Volume | Prod Volume |

Lease: SLT Well: SLT13 Well Name: Benson 2-8
 Ref #: 00000018

Account: 361-01 Department: Account Name: DRY GAS

| | | | | | |
|------------|------------|------------------|------------------|------------------|------------------|
| 8/31/2009 | 8/31/2009 | 1,053.85 | 1,197.02 | 1,053.85 | 1,197.02 |
| 10/31/2009 | 10/31/2009 | 1,396.82 | 1,586.59 | 1,396.82 | 1,586.59 |
| 11/30/2009 | 11/30/2009 | 1,009.53 | 1,146.68 | 1,009.53 | 1,146.68 |
| 12/31/2009 | 12/31/2009 | 958.53 | 1,088.75 | 958.53 | 1,088.75 |
| 1/31/2010 | 1/31/2010 | 935.05 | 1,077.06 | 935.05 | 1,077.06 |
| 2/28/2010 | 2/28/2010 | 770.59 | 887.62 | 770.59 | 887.62 |
| 3/31/2010 | 3/31/2010 | 825.96 | 951.40 | 825.96 | 951.40 |
| 4/30/2010 | 4/30/2010 | 762.45 | 880.11 | 762.45 | 880.11 |
| 5/31/2010 | 5/31/2010 | 771.06 | 890.05 | 771.06 | 890.05 |
| 6/30/2010 | 6/30/2010 | 725.66 | 837.64 | 725.66 | 837.64 |
| 7/31/2010 | 7/31/2010 | 673.18 | 777.06 | 673.18 | 777.06 |
| 8/31/2010 | 8/31/2010 | 639.60 | 738.30 | 639.60 | 738.30 |
| | | <u>10,522.28</u> | <u>12,058.28</u> | <u>10,522.28</u> | <u>12,058.28</u> |

Account: 361-15 Department: Account Name: CONDENSATE

| | | | | | |
|------------------------|-----------|------------------|------------------|------------------|------------------|
| 6/30/2010 | 6/30/2010 | 151.32 | 151.32 | 151.32 | 151.32 |
| | | <u>151.32</u> | <u>151.32</u> | <u>151.32</u> | <u>151.32</u> |
| Property Totals | | <u>10,673.60</u> | <u>12,209.60</u> | <u>10,673.60</u> | <u>12,209.60</u> |
| Report Totals | | <u>10,673.60</u> | <u>12,209.60</u> | <u>10,673.60</u> | <u>12,209.60</u> |

33 mcf

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 Page No 1

Atlas Pipeline Company

Analysis

July, 2010

Avard System

Meter Number: 95242629 Meter Name: Benson 2-8

| | | | | | |
|-------------------|--------|----------|--------|-----------------------|--------|
| Relative Density: | 0.675 | C2+ GPM: | 3.6256 | Wet Heating Value: | 1140.4 |
| Pressure Base: | 14.730 | C5+ GPM: | 0.3690 | Dry Heating Value: | 1160.6 |
| Temperature Base: | 60.00 | C6+ GPM: | 0.1832 | As Del Heating Value: | 1123.1 |

| | Mol % | GPM |
|------------------|--------|---------|
| Carbon Dioxide | 0.091 | 0.0155 |
| Nitrogen | 2.323 | 0.2555 |
| Methane | 84.809 | 14.3740 |
| Ethane | 7.167 | 1.9162 |
| Propane | 3.292 | 0.9067 |
| Iso-Butane | 0.375 | 0.1228 |
| N-Butane | 0.986 | 0.3109 |
| Iso-Pentane | 0.226 | 0.0828 |
| N-Pentane | 0.284 | 0.1030 |
| Hexane | 0.446 | 0.1832 |
| Heptane | | |
| Octane | | |
| Nonane | | |
| Decane | | |
| Oxygen | | |
| Hydrogen | | |
| Helium | | |
| Argon | | |
| Water Vapor | | |
| Hydrogen Sulfide | | |

| | | |
|--------------|---------|---------|
| Total | 100.000 | 18.2706 |
|--------------|---------|---------|

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APLMC WestOk

GAS VOLUME STATEMENT

CLOSED DATA

Avard System

95242629 --- Benson 2-8

July, 2010

Measured Conditions

Meter Status: In Service

Pressure Base: 14.730 psia Temperature Base: 60.00 °F HV Cond: Wet Meter Type: EFM Contract Hr.: Midnight
 Water Vapor Corr. Technique: Water Vapor Corr. Method:

| CO2 | N2 | H2O | H2S | O2 | He | C1 | C2 | C3 | I-C4 | N-C4 | I-C5 | N-C5 | C6+ |
|-----------|----------|--------------|-----|----|----------|-----------------|-------|--------------|-------------|-------------|-------|-------|-------|
| 0.091 | 2.323 | | | | | 84.809 | 7.167 | 3.292 | 0.375 | 0.986 | 0.226 | 0.284 | 0.446 |
| Tube I.D. | Interval | Tap Location | | | Tap Type | Atmos. Pressure | | Calc. Method | Fpv Method | Sample Date | | | |
| 2.071 in. | 1 Hour | Upstream | | | Flange | 13.800 psi | | AGA3-1992 | AGA8-Detail | 3/4/10 | | | |

| Day | Differential (In. H2O) | Pressure (PSIA) | Temperature (°F) | Hours Flow | Relative Density | Plate (Inches) | Volume (Mcf) | Heating Value (BTU/scf) | Energy (MMBTU) |
|--------------|------------------------|-----------------|------------------|---------------|------------------|----------------|---------------|-------------------------|----------------|
| 1 | 7.73 | 40.42 | 78.82 | 19.91 | 0.6749 | 0.500 | 21.16 | 1140.43 | 24.13 |
| 2 | 7.95 | 41.15 | 77.55 | 18.88 | 0.6749 | 0.500 | 20.75 | 1140.43 | 23.66 |
| 3 | 8.78 | 38.63 | 76.79 | 21.05 | 0.6749 | 0.500 | 23.55 | 1140.43 | 26.85 |
| 4 | 7.40 | 37.69 | 77.29 | 20.66 | 0.6749 | 0.500 | 20.90 | 1140.43 | 23.83 |
| 5 | 8.33 | 39.52 | 72.16 | 21.15 | 0.6749 | 0.500 | 23.44 | 1140.43 | 26.74 |
| 6 | 8.80 | 39.06 | 77.51 | 21.39 | 0.6749 | 0.500 | 24.19 | 1140.43 | 27.59 |
| 7 | 8.64 | 39.00 | 77.98 | 20.61 | 0.6749 | 0.500 | 23.06 | 1140.43 | 26.29 |
| 8 | 8.42 | 39.61 | 76.38 | 21.63 | 0.6749 | 0.500 | 24.04 | 1140.43 | 27.42 |
| 9 | 6.68 | 40.95 | 79.77 | 22.06 | 0.6749 | 0.500 | 22.21 | 1140.43 | 25.33 |
| 10 | 6.51 | 40.79 | 80.29 | 16.43 | 0.6749 | 0.500 | 16.23 | 1140.43 | 18.51 |
| 11 | 7.65 | 40.16 | 90.03 | 20.01 | 0.6749 | 0.500 | 21.07 | 1140.43 | 24.03 |
| 12 | 9.16 | 41.41 | 85.23 | 22.67 | 0.6749 | 0.500 | 26.67 | 1140.43 | 30.41 |
| 13 | 10.25 | 40.59 | 86.61 | 20.67 | 0.6749 | 0.500 | 25.43 | 1140.43 | 29.00 |
| 14 | 8.16 | 43.17 | 88.67 | 20.78 | 0.6749 | 0.500 | 23.43 | 1140.43 | 26.72 |
| 15 | 7.88 | 40.28 | 84.62 | 18.46 | 0.6749 | 0.500 | 19.84 | 1140.43 | 22.62 |
| 16 | 6.68 | 40.16 | 90.26 | 13.77 | 0.6749 | 0.500 | 13.53 | 1140.43 | 15.43 |
| 17 | 7.64 | 40.54 | 91.42 | 17.70 | 0.6749 | 0.500 | 18.69 | 1140.43 | 21.31 |
| 18 | 8.90 | 40.09 | 89.02 | 22.67 | 0.6749 | 0.500 | 25.72 | 1140.43 | 29.34 |
| 19 | 7.58 | 43.46 | 90.36 | 20.49 | 0.6749 | 0.500 | 22.34 | 1140.43 | 25.48 |
| 20 | 6.31 | 41.81 | 88.71 | 15.60 | 0.6749 | 0.500 | 15.16 | 1140.43 | 17.29 |
| 21 | 6.75 | 39.19 | 89.48 | 15.70 | 0.6749 | 0.500 | 15.44 | 1140.43 | 17.60 |
| 22 | 10.94 | 39.05 | 90.12 | 22.11 | 0.6749 | 0.500 | 26.84 | 1140.43 | 30.61 |
| 23 | 6.08 | 39.19 | 87.64 | 20.44 | 0.6749 | 0.500 | 18.16 | 1140.43 | 20.71 |
| 24 | 6.07 | 39.34 | 83.74 | 15.86 | 0.6749 | 0.500 | 14.63 | 1140.43 | 16.68 |
| 25 | 10.23 | 39.16 | 78.41 | 22.73 | 0.6749 | 0.500 | 27.44 | 1140.43 | 31.30 |
| 26 | 9.67 | 41.40 | 82.80 | 23.07 | 0.6749 | 0.500 | 27.93 | 1140.43 | 31.85 |
| 27 | 8.24 | 40.18 | 82.77 | 18.65 | 0.6749 | 0.500 | 20.49 | 1140.43 | 23.36 |
| 28 | 6.66 | 39.70 | 84.82 | 19.89 | 0.6749 | 0.500 | 19.61 | 1140.43 | 22.37 |
| 29 | 6.90 | 39.38 | 86.71 | 21.39 | 0.6749 | 0.500 | 21.21 | 1140.43 | 24.19 |
| 30 | 8.89 | 39.68 | 87.40 | 20.98 | 0.6749 | 0.500 | 23.70 | 1140.43 | 27.03 |
| 31 | 8.26 | 40.79 | 88.13 | 20.52 | 0.6749 | 0.500 | 22.66 | 1140.43 | 25.85 |
| TOTAL | 8.19 | 40.18 | 83.70 | 617.94 | 0.6749 | | 669.52 | | 763.54 |

Volume at 14.650 = 673.18 Energy = 763.54

21.6 Mcf

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