

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
10/2/12-10/3/12

API No. 15
15-035-00100-0000

Company PEAK ENERGY LLC		Lease BAIRD DRENNAN			Well Number BD #1
County COWLEY	Location SW-SW-NE	Section 32	TWP 34S	RNG (E/W) 3 EAST	Acres Attributed 10
Field GIBSON		Reservoir SEVERY SAND		Gas Gathering Connection NAT-GAS LLC	
Completion Date 3/10/1952		Plug Back Total Depth 1500		Packer Set at NONE	
Casing Size 5 1/2	Weight 15.5	Internal Diameter 5"	Set at 1498	Perforations 1432	To 1438
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) CASED HOLE		Type Fluid Production NONE		Pump Unit or Traveling Plunger? Yes / No NONE	
Producing Thru (Annulus / Tubing) CASING ANNULUS		% Carbon Dioxide NONE		% Nitrogen NONE	Gas Gravity - G _g .60
Vertical Depth(H) 1498		Pressure Taps 2"		(Meter Run) (Prover) Size 1/8	
Pressure Buildup: Shut in <u>10/2</u> 20 <u>12</u> at <u>10:00</u> (AM) (PM) Taken <u>10/3</u> 20 <u>12</u> at <u>10:00</u> (AM) (PM)					
Well on Line: Started <u>10/3</u> 20 <u>12</u> at <u>10:00</u> (AM) (PM) Taken <u>10/3</u> 20 <u>12</u> at <u>11:00</u> (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter 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 ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in	1/8	3.5	5.26	60	60	18	7.06			1	NONE
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F ₁) (F ₂) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{F_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _T	Deviation Factor F _{ps}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P₁)² = _____ (P₂)² = _____ P₁ = _____ % (P_c - 14.4) + 14.4 = _____ (P₁)² = 0.207 (P₂)² = _____

(P ₁) ² - (P ₂) ² or (P ₁) ² - (P _c) ²	(P ₁) ² - (P _w) ²	Choose formula 1 or 2: 1. P ₁ ² - P ₂ ² 2. P ₁ ² - P _c ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_1^2 - P_2^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
							26.1 MCF

Open Flow 7.06 Mcfd @ 14.65 psia Deliverability 26.1 MCF Mofid @ 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 25 day of NOVEMBER, 20 13

Randall H. Brown Witness (If any) Peak Energy LLC For Company

KCC WICHITA

For Commission

NOV 27 2013

Checked by

RECEIVED

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 PEAK ENERGY LLC 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 BAIRD DRENNAN #1 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: 11/25/13

Signature: Randall A Brown
Title: CO-OWNER

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.

KCC WICHITA

NOV 27 2013