

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
05/03/2014

API No. 15
119-20,707 - 0000

Company Great Plains Petroleum, Inc.		Lease Merkle		Well Number #2-24	
County Meade	Location NW	Section 24	TWP 34S	RNG (E/W) 29W	Acres Attributed 400
Field Horace South		Reservoir Toronto	Gas Gathering Connection Regency Gas Services		
Completion Date 05/28/1985		Plug Back Total Depth 4549	Packer Set at		
Casing Size 4-1/2	Weight 10.5#	Internal Diameter	Set at 4600	Perforations 4445-4449	To 4513-4519
Tubing Size 2-3/8	Weight 4.7#	Internal Diameter	Set at 4448	Perforations 4520-25	To
Type Completion (Describe) Single Gas		Type Fluid Production Formation Water		Pump Unit or Traveling Plunger? Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g .703	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 05/02 20 14 at 11:30 AM (AM) (PM) Taken 05/03 20 14 at 11:30 AM (AM) (PM)
Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P _m)	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		365									
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P₀)² = 0.207

(P_d)² = _____

(P _c) ² = _____	(P _w) ² = _____	P _d = _____ %	(P _c - 14.4) + 14.4 = _____	(P _d) ² = _____
(P _c) ² - (P _d) ² or (P _c) ² - (P _w) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	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 17th day of February, 20 15.

Witness (if any)

Bob F. Shaw
For Company

KCC WICHITA

FEB 20 2015

For Commission

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 Great Plains Petroleum, 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.

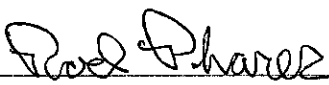
I hereby request a one-year exemption from open flow testing for the Merkle #2-24 gas well on the grounds that said well:

(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: 02/17/2015

Signature: 

Title: President

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.

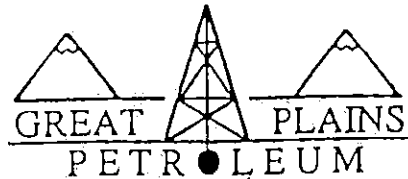
At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner 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

FEB 20 2015

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221 Circle Drive
Wichita, KS 67218

February 17, 2015

Mr. Jim Hemmen
Kansas Corporation Commission
266 N. Main, Suite 220
Wichita, KS 67202-1513

RE: Application for Exemption from Gas Well Testing Requirement
Merkle #2-24, Sec. 24-34S-29W – Meade County > API #15-119-20,707

Dear Mr. Hemmen:

Great Plains Petroleum hereby requests a one-year exemption from open flow testing for the Merkle #2-24 gas well for the 2014 calendar year, on the grounds that said well is not capable of producing at a daily rate in excess of 250 mcf/D.

Please find enclosed an executed Form G-2 in support of this application. Contact me if you require any additional information.

Sincerely,

A handwritten signature in black ink that reads "Rod A. Phares". The signature is written in a cursive style.

Rod A. Phares
President

KCC WICHITA

FEB 20 2015

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Telephone: (316) 685-8800
Fax: (206) 202-3043