

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
N/A (Well Exempt)

API No. 15
007-22985-00-00

Company Prairie Resources, Inc.		Lease Packard		Well Number 1-32	
County Barber	Location NE NW SE	Section 32	TWP 31S	RNG (E/W) 12W	Acres Attributed 80
Field Medicine River		Reservoir Mississippi	Gas Gathering Connection Lumen Midstream Partnership, LLC		
Completion Date 03-29-06		Plug Back Total Depth 4437	Packer Set at N/A		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 4528	Perforations 4197	To 4217
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 1.995	Set at 4220	Perforations N/A	To
Type Completion (Describe) Gas	Type Fluid Production Gas, Water	Pump Unit or Traveling Plunger? Yes / No No			
Producing Thru (Annulus / Tubing) Tubing, Annulus	% Carbon Dioxide See attached	% Nitrogen	Gas Gravity - G _g		
Vertical Depth(H)	Pressure Taps		(Meter Run) (Prover) Size		

Pressure Buildup: Shut in Dec 01 20 10 at 9:00 (AM) (PM) Taken Dec 02 20 10 at 9:00 (AM) (PM)
Well on Line: Started _____ 20 ____ 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 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 _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						295		295		24	
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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_g)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _g) 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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2} \right]$	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 06 day of December, 20 10.

Witness (if any)

For Commission

PRAIRIE RESOURCES INC.
 RECEIVED
 DEC 08 2010
 KCC WICHITA
Robert W. Dechard
 PRESIDENT
 Checked by

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 Prairie Resources, 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 Packard #1-32 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: December 06, 2010

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.

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DEC 08 2010

KCC WICHITA

MEASUREMENT SOLUTIONS INC.

6705 East 81st Street Suite 155 Tulsa, OK 74133
 Telephone 918-493-2700 Fax 918-493-2704

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10/1/2007

GAS ANALYSIS REPORT

METER NUMBER :	2607	SAMPLE TYPE :	SPOT
METER NAME :	PACKARD #1-32	SAMPLE DATE :	09/13/2007
METER ID :	PRATT	SAMPLE PRES / TEMP :	79 / 86
PRODUCER :	PRAIRIE RESOURCES	SAMPLED BY :	CW
COMPANY :	LUMEN ENERGY	EFFECTIVE DATE :	10/01/2007

<u>COMPONENT</u>		<u>PERCENT</u>	<u>BTU VALUES @ 14.65</u>		<u>BTU VALUES @ 14.73</u>	
Helium	He	0.3225	REAL DRY	1111.35	REAL DRY	1117.42
Oxygen	O2	0.0000	REAL WET	1091.90	REAL WET	1097.86
Hydrogen Sulfide	H2S	0.0000				
Carbon Dioxide	CO2	0.1218				
Nitrogen	N2	9.5834				
Methane	C1	74.8162	<u>GPM VALUES @ 14.65</u>		<u>GPM VALUES @ 14.73</u>	
Ethane	C2	7.8849	C2	2.0961	C2	2.1076
Propane	C3	4.3595	C3	1.1938	C3	1.2003
I-Butane	IC4	0.6082	IC4	0.1979	IC4	0.1989
N-Butane	nC4	1.3173	nC4	0.4130	nC4	0.4153
I-Pentane	IC5	0.2673	IC5	0.0973	IC5	0.0979
N-Pentane	nC5	0.3145	nC5	0.1133	nC5	0.1139
Hexane Plus	C6+	0.4044	C6+	0.1755	C6+	0.1764
TOTALS		100.0000		4.2869		4.3103

SPECIFIC GRAVITY

REAL DRY 0.7259
 REAL WET 0.7241

COMPRESSIBILITY FACTOR

Z FACTOR DRY 0.9972
 Z FACTOR WET 0.9971

GALLONS PER THOUSAND

GPM TOTALS @ 14.65

C2 + GPM 4.2869
 C3 + PGM 2.1908
 C4 + GPM 0.9970
 C5 + GPM 0.3861

GPM TOTALS @ 14.73

C2 + GPM 4.3103
 C3 + PGM 2.2027
 C4 + GPM 1.0024
 C5 + GPM 0.3882

COMMENTS :

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KCC WICHITA

VR CURRY, Inc.

918-887-9824

GAS ANALYSIS REPORT

Number	000009	Type	POTENTIAL
Name	PACKARD # 1-32	Date	05/09/2006
Company	GLM-LUMEN	Effective	08/01/2006
		Pressure	450
		Temp	62
		Sample By	G.MAIER

Component	PerCent	BTU @ 14.65	BTU @ 14.73
Helium	0.3602	Real DRY 1088.0323	Real DRY 1090.0574
Oxygen	0.0000	Real WET 1000.0442	Real WET 1071.8868
H2S	0.0000		
Car Dioxide	0.0562	GPM @ 14.65	GPM @ 14.73
Nitrogen	10.0016	Ethane 1.9896	Ethane 2.0005
Methane	76.8985	Propane 1.1027	Propane 1.1067
Ethane	7.4843	i-Butane 0.1705	i-Butane 0.1714
Propane	4.0267	n-Butane 0.3319	n-Butane 0.3331
i-Butane	0.5241	i-Pentane 0.0520	i-Pentane 0.0524
n-Butane	1.0568	n-Pentane 0.0667	n-Pentane 0.0692
i-Pentane	0.2263	Hexane + 0.1367	Hexane + 0.1364
n-Pentane	0.2857	Totals: 3.9076	Totals: 3.9267
Hexane +	0.3127		
Total:	100.0000		

SPECIFIC GRAVITY

Real	0.7123
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COMPRESSION FACTOR

Z Factor	0.8673
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GPM @ 14.65

GPM TOTALS:

GPM @ 14.73

C2+ GPM	3.9076
C3+ GPM	1.9179
C4+ GPM	0.3192
C5+ GPM	0.3154

C2+ GPM	3.9267
C3+ GPM	1.9282
C4+ GPM	0.3186
C5+ GPM	0.3150

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