

Form G-2 (Rev. 7/03)

### KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
- Deliverability

Test Date:

API No. 15-191-22251-00-00

Company: LEGACY RESERVES OPERATING LP Lease: LUDER Well Number: #1

County: SUMNER Location: S8 E2 NWSW Section: 08 TWP: 35S RANG (E/W): 08 W Acres Allocated: 320

Field: RALDWELL WEST Reservoir: MBS/DSAGE Gas Gathering Connection: Atlas Pipeline

Completion Date: 9/13/1995 Plug Back Total Depth: 4906' Packer Set At:

Casing Size: 5 1/2" Weight: 17 # Internal Diameter: 5008' Perforations: 4633 To: 4770

Tubing Size: 2 7/8" Weight: 6.5 # Internal Diameter: Set at Perforations To

Type Completion (Describe): Single Zone Type Fluid Production: Oil/Water Pump Unit or Traveling Plunger? Yes / No

Producing Thru (Annulus/Tubing): TUBING % Carbon Dioxide: 0.3390 % Nitrogen: 9.6060 Gas Gravity - G<sub>g</sub>: 0.7461

Vertical Depth(H): 4906' Pressure Taps: (Meter Run) (Pronor) Size

Pressure Buildup: Shut In 1/27 20 12 at 8:00 (AM) (PM) Taken 1/28 20 12 at 8:00 (AM) (PM)

Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)

#### OBSERVED SURFACE DATA

Static / Dynamic Property	Drillbit Size (inches)	Circumferential Meter or Proven Pressure (psig) (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature 1	Well Head Temperature 1	Casing Wellhead Pressure (P <sub>c</sub> ) or (P <sub>i</sub> ) or (P <sub>e</sub> )		Tubing Wellhead Pressure (P <sub>u</sub> ) or (P <sub>i</sub> ) or (P <sub>e</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						130					
Flow											

#### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>1</sub> ) (F <sub>2</sub> ) Mcfd	Circumferential Meter or Proven Pressure (psia)	Pressure Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>dv</sub>	Material Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>g</sub>

#### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>e</sub>)<sup>2</sup> = \_\_\_\_\_ (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ P<sub>w</sub> = \_\_\_\_\_ % (P<sub>e</sub> - 14.4) + 14.4 = \_\_\_\_\_ (P<sub>w</sub>)<sup>2</sup> = 0.207 (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>1</sub> ) <sup>2</sup>	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>1</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>w</sub> <sup>2</sup> - P <sub>1</sub> <sup>2</sup> 2. P <sub>w</sub> <sup>2</sup> - P <sub>1</sub> <sup>2</sup> divided by: P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1 or 2, and divide by: P <sub>w</sub> <sup>2</sup> - P <sub>1</sub> <sup>2</sup>	Backpressure Curve Slope = "n" or 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 3<sup>rd</sup> day of August, 20 12.

Witness (if any) \_\_\_\_\_  
For Commission

Legacy Reserves  
For Company  
Checked by

RECEIVED  
AUG 03 2012  
KCC WICHITA

Form G-2  
(Rev. 7/03)

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 Legacy Reserves 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 Leuder #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: 8/3/2012

Signature: [Signature]  
Title: Production Engineer

Arge Manderz 405-501-1870

**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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AUG 03 2012  
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