

Form G-2
APR 15 2002

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

LEGAL SECTION

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date: April 1, 2002

API No. 15 023-20327-00-00

Company Valley Operating, Inc.		Lease Feikert		Well Number 27-11-1	
County Cheyenne	Location SE NE	Section 27	TWP 3S	RNG (E/W) 42W	Acres Attributed
Field Wildcat		Reservoir Niobrara		Gas Gathering Connection Bitter Creek	
Completion Date 12-2-93		Plug Back Total Depth 1597'		Packer Set at N/A	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052"	Set at 1631.55'	Perforations 1418'	To 1442'
Tubing Size N/A	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single Gas		Type Fluid Production N/A		Pump Unit or Traveling Plunger? Yes / <input checked="" type="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide .386		% Nitrogen 5.801	
Vertical Depth(H) 1632'		Pressure Taps		(Meter Run) (Prover) Size 2" Meter Run	

Pressure Buildup: Shut in _____ 19 _____ at _____ (AM) (PM) Taken _____ 19 _____ at _____ (AM) (PM)
Well on Line: Started March 31 2002 at 8:00 (AM) (PM) Taken April 1, 2002 at 8:00 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size inches	Circle one: <input checked="" type="checkbox"/> Meter for Prover Pressure psig	Pressure Differential in (h) 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											
Flow	open	61	2	50	50	61	74			24	0

FLOW STREAM ATTRIBUTES

Circle one: <input checked="" type="checkbox"/> Prover Pressure psia	Press Extension $\frac{1}{2} P_m \times H_w$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{dv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _L
Circle one: <input checked="" type="checkbox"/> Coefficient (F ₁) (F ₀) Mcfd					17		
74							

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ : (P_w)² = _____ : P₀ = _____ % (P_c - 14.4) + 14.4 = _____ : (P_e)² = 0.207
(P₀)² = _____

(P _e) ² - (P _s) ² or (P _e) ² - (P ₀) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _s ² 2. P _e ² - P ₀ ² divided by: P _e ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_e^2 - P_s^2}{P_e^2 - P_w^2}$	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd

Open Flow 17 Mcfd @ 4.65 psia 13 Deliverability 17 Mcfd @ 4.65 psia 13

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 1 day of April 2002

Witness (if any) _____
For Commission _____

Valley Operating, Inc.
Tom W. Roelfs
Checked by _____

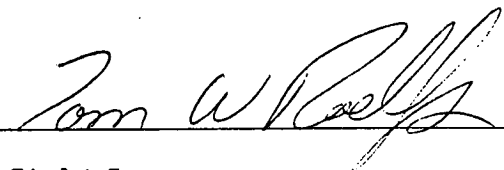
I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Valley Operating, Inc. and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Feikert 27-11-1 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 incapable of producing at a daily rate in excess of 150 mcf/D

Date: 4-1-02

Signature: 
 Title: Field Foreman

Instructions: All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
April 1, 2002

API No. 15
023-20327

Company Valley Operating, Inc.		Lease Feikert		Well Number 27-11-1	
County Cheyenne	Location SE NE	Section 27	TWP 3S	RNG (E/W) 42W	Acres Attributed
Field Wildcat		Reservoir Niobrara		Gas Gathering Connection Bitter Creek	
Completion Date 12-2-93		Plug Back Total Depth 1597'		Packer Set at N/A	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052"	Set at 1631.55'	Perforations 1418'	To 1442'
Tubing Size N/A	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single Gas		Type Fluid Production N/A		Pump Unit or Traveling Plunger? Yes / <input checked="" type="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide .386		% Nitrogen 5.801	
Vertical Depth(H) 1632'		Pressure Taps		(Meter Run) (Prover) Size 2" Meter Run	
Pressure Buildup: Shut In _____ 19 ____ at _____ (AM) (PM) Taken _____ 19 ____ at _____ (AM) (PM)					
Well on Line: Started March 31, 2002 at 8:00 <input checked="" type="checkbox"/> (AM) (PM) Taken April 1, 2002 at 8:00 <input checked="" type="checkbox"/> (AM) (PM)					

OBSERVED SURFACE DATA								Duration of Shut-in _____ Hours			
Static / Dynamic Property	Orifice Size inches	Circle one: <input checked="" type="checkbox"/> Meter or <input type="checkbox"/> Prover Pressure psig	Pressure Differential in (h) Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In											
Flow	open	61	2	50	50	61	74			24	0

FLOW STREAM ATTRIBUTES									
Circle one: <input checked="" type="checkbox"/> Plate Coefficient (F _s) (F _p) Mcfd	Circle one: <input checked="" type="checkbox"/> Meter or <input type="checkbox"/> Prover Pressure psia	Press Extension $\frac{1}{2} P_m \times H_w$	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	
1.57	74					17			

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207 : (P_o)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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd

Open Flow **17** Mcfd @ ~~1405~~ psia **13** Deliverability **17** Mcfd @ ~~1405~~ psia **13**

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Witness (if any)

For Commission

Valley Operating, Inc.

For Company
Tom W. Roelfs

Checked by

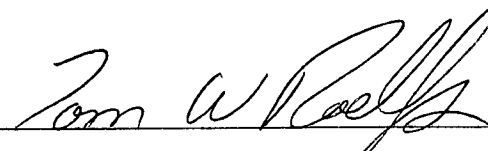
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