

Form G-2
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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
 11-27-12

API No. 15
 077-21459-00-00

KCC WICHITA

Company Union Valley Petroleum Corporation			Lease Stewart		Well Number 1-31
County Harper	Location E2SWNW	Section 31	TWP 33S	RNG (E/W) 6W	Acres Attributed 320
Field Anthony		Reservoir Mississippi	Gas Gathering Connection Atlas		
Completion Date 11-07-03		Plug Back Total Depth 4550	Packer Set at none		
Casing Size 4.5	Weight 10.5	Internal Diameter 4.892	Set at 4594	Perforations 4498	To 4508
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.996	Set at 4462	Perforations	To
Type Completion (Describe) single		Type Fluid Production water/oil	Pump Unit or Traveling Plunger? Yes / No pumping unit		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide .1635	% Nitrogen 3.6364	Gas Gravity - G _g .6781	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

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Pressure Buildup: Shut in **11-27** at **12** at **930 am** (AM) (PM) Taken **11-28** at **12** at **930 am** (AM) (PM)
 Well on Line: Started **am** at **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 (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _c) 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							285				
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _c) (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 _n

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

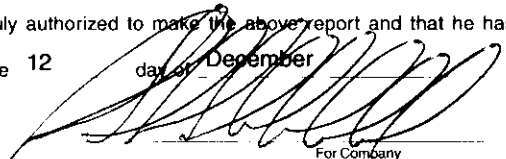
(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
 (P_d)² = _____

(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 P _c ² - P _w ²	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 **12** day of **December**, 20 **12**

Witness (if any)


 For Company

For Commission

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 Union Valley Petroleum Corporation 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.

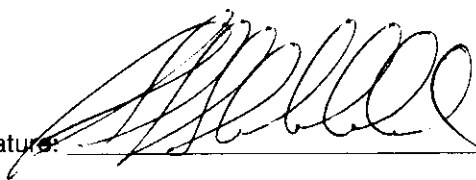
I hereby request a one-year exemption from open flow testing for the Stewart #1-31 gas well on the grounds that said well:

(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: 12-12-12

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.

95401049 STEWART-MCKEE
Analysis

Date-Time: 09/20/12 12:04 Analysis Time: 230 Cycle Time: 240
Stream: 1 Stream 1 Mode: ANLY Cycle Start Time: 12:00
Analyzer: 204295 Strm Seq:1
95401049 H2S 0.0
PSIG 89.4 TEMP 89.0

Component Name	Mole Percent	Gallons/1000 SCF	BTU Gross	Relative Density
C6+ 47/35/17	0.5753	0.2567	30.42	0.0191
PROPANE	2.8725	0.7912	72.44	0.0437
i-BUTANE	0.4076	0.1333	13.28	0.0082
n-BUTANE	1.0679	0.3366	34.92	0.0214
i-PENTANE	0.2561	0.0936	10.27	0.0064
n-PENTANE	0.3459	0.1253	13.90	0.0086
NITROGEN	3.6364	0.0000	0.00	0.0352
METHANE	84.3073	0.0000	853.48	0.4670
CARBON DIOXIDE	0.1635	0.0000	0.00	0.0025
ETHANE	6.3677	1.7025	112.95	0.0661
TOTALS	100.0000	3.4393	1141.66	0.6781

'*' indicates user-defined components

Compressibility Factor (1/Z) @ 14.73000 PSIA & 60.0 DEG.F= 1.00288

Base Pressures 14.73000

Gross Dry BTU	=	1144.95	Corrected/Z
Gross SAT BTU	=	1125.02	Corrected/Z
Gallons/1000 SCF C2+	=	3.4393	
Gallons/1000 SFC C3+	=	1.7367	
Gallons/1000 SCF C4+	=	0.9456	
Gallons/1000 SCF C5+	=	0.4757	
Gallons/1000 SCF C6+	=	0.2567	
Real Relative Density Gas	=	0.6798	
Unnormalized Mole Percent	=	99.826	

ACTIVE ALARMS
None

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