

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date: 3-18-14 API No. 15 -001-00348-0000

Company Xanadu Exploration Company		Lease Newkirk			Well Number #1
County Barber	Location SW/4	Section 31	TWP 33S	RNG (E/W) 11W	Acres Attributed
Field Rhodes Field South		Reservoir Mississippi Chat		Gas Gathering Connection KC Gas Supply	
Completion Date 8/1957		Plug Back Total Depth 5060'		Packer Set at	
Casing Size 5 1/2"	Weight 14	Internal Diameter 5"	Set at 4714'	Perforations 4627'	To 4651'
Tubing Size 2 3/8"	Weight	Internal Diameter	Set at 4627'	Perforations	To
Type Completion (Describe) 1 Pay Zone - Mississippi Chat		Type Fluid Production oil, gas, water		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No	
Producing Thru (Annulus / Tubing)		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in March 17 2014 at 7:30 AM (AM) (PM) Taken March 18 2014 at 2:00 (AM) (PM)

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

OBSERVED SURFACE DATA								Duration of Shut-in <u>24.5</u> 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 _c) or (P _i) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						<u>35</u>	<u>49.7</u>				
Flow						<u>50</u>	<u>64.7</u>				

Plate Coefficient (F _b), (F _c) 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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS							
(P _c) ² = _____	(P _w) ² = _____	P _g = _____ %	(P _c - 14.4) + 14.4 = _____	(P _w) ² = 0.207	(P _e) ² = _____		
(P _c) ² - (P _w) ² or (P _c) ² - (P _e) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _c ² - P _e 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"	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)	

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 18 day of March, 2014

Witness (if any) _____
For Commission _____

For Company Janet V. Gid
Checked by _____

KCC WICHITA
MAR 28 2014
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 Xanadu Exploration Company 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 Newkirk #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: 3/25/14

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

MAR 28 2014

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