

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
11-1 -11-2, 2011

API No. 15
205-24437 - 0000

Company Dakota Production Co. Inc		Lease Forbes		Well Number 1	
County Wilson	Location 600' NSL 3020 WEL	Section 7	TWP 30	RNG (E/W) 17E	Acres Attributed
Field Neodesha		Reservoir Cattelman		Gas Gathering Connection Southern Star	
Completion Date 12-3-1986		Plug Back Total Depth		Packer Set at	
Casing Size 4 1/2"	Weight 9.5	Internal Diameter 4"	Set at 710?	Perforations Open Hole	To 769'
Tubing Size None	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Open Hole		Type Fluid Production None		Pump Unit or Traveling Plunger? Yes / <input checked="" type="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	Gas Gravity - G _g
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in 11-1 20 11 at 1:30 (AM) <input checked="" type="checkbox"/> (PM) Taken 11-2 20 11 at 1:30 (AM) <input checked="" type="checkbox"/> (PM)					
Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					

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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 ₁) or (P ₂)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						16	30.4				
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_w \times h}$	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 _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P₁)² = 0.207

(P₂)² = _____

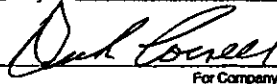
(P ₁) ² = _____	(P ₂) ² = _____	P _d = _____ %	(P ₂ - 14.4) + 14.4 = _____				
(P ₁) ² - (P ₂) ² or (P ₁) ² - (P _d) ²	(P ₁) ² - (P _d) ²	Choose formula 1 or 2: 1. P ₁ ² - P ₂ ² 2. P ₁ ² - P _d ² divided by: P ₁ ² - P _d ²	LOG of formula 1. or 2. and divide by: $\frac{P_1^2 - P_2^2}{P_1^2 - P_d^2}$	Backpressure 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 4 day of November, 20 11.

Witness (if any)

For Commission



For Company

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 Dakota Production Co. 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 Forbes #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: 11-4-2011

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Signature: *Dick Corns*

Title: Consultant

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.

KGSOil and Gas
Well
Database**Specific Well--15-205-24437**

Oil & Gas

All Well Data

API: 15-205-24437 KID: 1002955464 Lease: FORBES Well 1 Original operator: WILLIS WILLIAM E Current operator: unavailable Field: Neodesha Location: T30S R17E, Sec. 7 SE SE SW 600 North, 3020 West, from SE corner Longitude: -95.590268 Latitude: 37.44367 Lat-long from GPS County: Wilson	Permit Date: Spud Date: Nov-13-1986 Completion Date: Dec-03-1986 Plugging Date: Well Type: GAS Status: Well Drilled Total Depth: 769 Elevation: 905 GL Producing Formation: IP Oil (bbl): IP Water (bbl): IP GAS (MCF):
View well on interactive map	

Cuttings Data**Box Number:** C2649**Starting Depth:** 340**Ending Depth:** 702

Kansas Geological Survey, Oil and Gas Well Database

Comments to webadmin@kgs.ku.eduURL=<http://www.kgs.ku.edu/Magellan/Qualified/index.html>

Well Display Program Updated Jan. 2008. Data added continuously.

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