

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
12-20-2012

API No. 15-119-10,213-0000

Company M&D Oil Company		Lease Sanders		Well Number B-1	
County Meade	Location NE SW	Section 12	TWP 32	RNG (E/W) 29	Acres Attributed 640
Field Sanders		Reservoir Morrow & Chester		Gas Gathering Connection DCP Midstream	
Completion Date 01-05-57		Plug Back Total Depth 5644		Packer Set at 5537	
Casing Size 7"	Weight 20.0	Internal Diameter 6.456	Set at 5675	Perforations 5556	To 5594
Tubing Size 2 7/8	Weight 6.5	Internal Diameter 2.441	Set at 5537	Perforations	To
Type Completion (Describe) Single		Type Fluid Production gas only		Pump Unit or Traveling Plunger? Yes / No no	
Producing thru (Annulus / tubing)		% Carbon Dioxide		% Nitrogen	
Gas Gravity - G _g					

Vertical Depth(ft) _____ Pressure taps _____ (Meter Run) (Prover) Size _____

Pressure Buildup: Shut in **12-19-** on **12** at **4:30 p.m.** (AM) (PM) Taken **12-20** on **12** at **p.m.** (AM) (PM)

Well on Line: Started **12-20** on **12** at **4:30** (AM) (PM) Taken _____ on _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Static / Dynamic Property	Orifice Size (inches)	Circle one: meter Driver Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _c)		Tubing Wellhead Pressure (P _t)		Duration (Hours)	Liquid Produced (Barrel)
						nein	neia	nein	neia		
Shut in										24	020
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _p) MOR	Circle one: Meter or Prover Pressure psia	Probe Extension ✓ P _m x h	Gravity Factor F _g	Flowing Temperature Factor F _{th}	Correction Factor F _{cv}	Measured Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity C _m

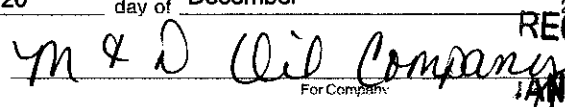
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

P₁² = _____ ; (P₂)² = _____ ; P_w = _____ % ; (P₁ - 14.4) + 14.4 = _____ ; (P₂)² = _____ ; (P_w)² = _____

$\frac{(P_1)^2 - (P_2)^2}{(P_1)^2 - (P_w)^2}$ or $\frac{(P_1)^2 - (P_2)^2}{(P_1)^2 - (P_w)^2}$	Choose formula 1 or 2: 1. $P_c^2 - P_w^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, 2, or 3 and divide by: $\frac{p_2 - p_1}{p_1 - p_w}$	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog ()

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 **20** day of **December**


 For Company: _____
RECEIVED
JAN 02 2013
KCC WICHITA

Witness (if any)

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 M&D Oil 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 Sanders B-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: 12-20-2012

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Signature: Donnie Eccles
Title: Owner

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.