

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date:
10/20/10

API No. 15 189-22607-00-00

Company Midwestern Exploration Co.		Lease Merriloy			Well Number 2-10	
County Stevens	Location SE SE	Section 10	TWP 35S	RNG (E/W) 35W	Acres Attributed 160	
Field Gooch		Reservoir Mississippian Upper Chester			Gas Gathering Connection Timberland	
Completion Date 11/17/07		Plug Back Total Depth 6500		Packer Set at --		
Casing Size 4 1/2	Weight 10.5	Internal Diameter 4.052	Set at 6725'	Perforations 6368-6386'	To	
Tubing Size 2 3/8	Weight 4.6	Internal Diameter 1.995	Set at 6335'	Perforations	To	
Type Completion (Describe) Single - Perforations		Type Fluid Production Gas		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No		
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide		% Nitrogen		Gas Gravity - G _g
Vertical Depth(H)		Pressure Taps			(Meter Run) (Prover) Size	
Pressure Buildup: Shut in <u>10/20</u> 20 <u>10</u> at <u>1:00</u> <input checked="" type="checkbox"/> (AM) <input checked="" type="checkbox"/> (PM) Taken <u>10/21</u> 20 <u>10</u> at <u>1:15</u> <input checked="" type="checkbox"/> (AM) <input checked="" type="checkbox"/> (PM)						
Well on Line: Started _____ 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 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						500		260		24.25	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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 _p	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_g)² = 0.207

(P_d)² = _____

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

(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" ----- 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 25th day of October, 2010.

Witness (if any)

For Commission

For Company
Checked by _____

RECEIVED

OCT 27 2010

KCC WICHITA

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 Midwestern Exploration Co. 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 Merriloy #2-10 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
(Pumper Sheet Attached)

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: 10/25/10

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.

Midwestern Exploration Gauge and Production Report

Lease: Merriloy #2-10 Month: September Year: 2010 Pumper: JR. Brungardt

Day	Tube	Case	Line Pressure	Diff.	MCF Day	Hrs. On	Oil Tank #1	Wtr	Oil Day	Water Day	Comments	
2.	50	500	20	40	18	2.				0		
3.	50	500	20	40	21	3				0		
4.	50	500	20	40	18	2.				0		
5.	50	500	20	40	18	2.				0		
6.	50	500	20	40	21	3				0		
7.	50	500	20	40	18	2.				0		
8.	50	500	20	40	18	2.				0		
9.	50	500	20	40	18	2.				0		
10.	50	500	20	40	21	3				0		
11.	50	500	20	40	18	2.				0		
12.	50	500	20	40	18	2.				0		
13.	50	500	20	40	21	3				0		
14.	50	500	20	40	18	2.				0		
15.	50	500	20	40	18	2.				0		
16.	50	500	20	40	21	3				0		
Total volume for 1st half of month					285					Water	0	
17.	50	500	20	40	18	2.				0		
18.	50	500	20	40	18	2.				0		
19.	50	500	20	40	21	3				0		
20.	50	500	20	40	18	2.				0		
21.	50	500	20	40	18	2.				0		
22.	50	500	20	40	21	3				0		
23.	50	500	20	40	18	2.				0		
24.	50	500	20	40	18	2.				0		
25.	50	500	20	40	21	3				0		
26.	50	500	20	40	18	2.				0		
27.	50	500	20	40	18	2.				0		
28.	50	500	20	40	21	3				0		
29.	50	500	20	40	18	2.				0	RECEIVED	
30.	50	500	20	40	18	2.				0	OCT 27 2010	
31.												
1.	50	500	20	40	21	3				0		
Total volume for 2nd half of month					285					Water	0	KCC WICHITA

PIPELINE RUNS

Date	Ticket #	Tank Number	From		To		Barrels	Gravity	BS&W
			Ft.	In.	Ft.	In.			

Notes: 570 MCF oil & water - on 30 days

NOTE: THIS well is on a PLUNGER LIFT