Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:					(See Instruct	ions on Rev	verse Side)				
= :	en Flo iverab					Test Date	: 11/	09/2012	2		No. 15 -21302-0000	•		
Company MIDCO I		ration	n, Inc.					Lease SHAW		023	-21302-0000		Well Numbe	 ∋r
County Location CLARK SE/4					Section 4		TWP 34S		RNG (E/W) 23W			Acres Attributed		
Field Reservoir BIG SAND CREEK CHESTER										Gas Gathering Connection CLARCO		ction	R	ECEIVE
·					Plug Bac 5642	Plug Back Total Depth 5642			Packer Set at			DE	C 06	
Casing Si	ing Size Weight 10.5					Internal 0 4.052	Diameter	Set at 5693		Perforations 5482		To 5458 KC (C 06 ; WICH
Tubing Si	bing Size Weig 375 4.7			ht	Internal Diam 1.995		Diameter	meter Set at 5418		Perforations		То		
ype Com		n (De	escribe)				Type Fluid Production CONDENSATE			Pump Unit or Traveling Plunger? Yes /			/ No	
						Carbon Dioxid	Dioxide			% Nitrogen		Gas Gravity - G _g .711		
ertical D	epth(H	i)						sure Taps					Run) (Prove	r) Size
455			1	1/08		12 10	FLAN 0:00		_, 11	/09	1	2" 2 _{at} 10:00)	
ressure Vell on L			Shut in $\frac{1}{2}$		20	$\frac{12}{12}$ at $\frac{10}{12}$	0:00	(AM) (PM)	Taken			at		(PM) (BM)
						<u>. </u>		D SURFACE				Ouration of Shut-	24	Hours
Static / Dynamic Property	Orifi Siz (inch	e Prover Pressure		Diff sure	essure erential in nes H ₂ 0	Flowing Temperature t	Well Head Temperature t	rature Weilhead Pro		Tubing e Wellhead Pressure		Duration Liqui		oduced els)
Shut-In								320	psia					
Flow														
				-,-			FLOW STR	EAM ATTR	BUTES				·	
Plate Coeffiect (F _b) (F Mcfd	ent	Circle one: Meter or Prover Pressure psia		Ext	Press Extension P _m xh		vity T	Flowing emperature Factor F _{tt}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	lowing Fluid Gravity G _m
						(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P)	² = 0.207	
c)2 =		_:	(P _w) ²		:	P _d =	9	6 (P	c - 14.4) +	14.4 =	<u> </u>	(P _d)		
(P _c) ² - (F or (P _c) ² - (F	· I	(P _c) ² - (P _w) ²		1. P. 2. P	rmula 1 or 2: 2-P2 2-P3 2-P3 P2-P4	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		nxl	.oe []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
pen Flow Mcfd @ 14.65 psia								Deliverability			Mcfd @ 14.65 psia			
		_	•			, ,		-			e above repor	t and that he ha	_	
			Witness	(if any)					MIDCO) EXPL	ORATION,	INC.		·····
								_						·
			For Com	mission							Check	ed 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 MIDCO EXPLORATION, 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 SHAW #1-4 gas well on the grounds that said well: (Check one) Gheck one	
(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: 12/03/2012	exempt status under Rule K.A.R. 82-3-304 on behalf of the operator MIDCO EXPLORATION, 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 SHAW #1-4
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30 March	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.
Signature:	Date: 12/03/2012
Title: Earl J. Joyce, Jr., Vice-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.