Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test: ✓ Open Flow			(See Instructions on Reverse Since Test Date: 08/02/2011				,	No. 15							
D∈	eliverabi	lty					- 05/ 0	<i>32/</i> .2011	•		-21302-000	0			
Company MIDCO Exploration, Inc.				Lease SHAW			#			Well Number #1-4					
County Location CLARK SE/4				Section 4		TWP 34S			W)		Acres A	Attributed			
Field BIG SAI	ND CR	EEI	<				Reservoir CHESTER			Gas Gatt	nering Conn O	ection			
Completi 7/28/200)				Plug Bac 5642	k Total De	pth		Packer S	et at				
Casing Size Weight 4.5 10.5				Internal (4.052	Diameter		Set at 5693		ations	то 5458					
Tubing Size Weight 2.375 4.7			Internal [1.995	Diameter		Set at 5418		ations	То						
Type Cor SINGLE		(De	escribe)				id Production			Pump Un	it or Traveling	Plunger? Yes	/ No		
Producing TUBING		Anr	nulus / Tubir	ıg)		% C	% Carbon Dioxide			% Nitroge	en	Gas G .711	Gas Gravity - G ₉		
Vertical D	epth(H)					Pressure Taps FLANGE						(Meter	Run) (P	rover) Size	
Pressure	Buildup		Snut in	3/0	2	0 11 at 1	10:00		08 Taken	3/02	20	11 at 10:00)(AM) (PM)	
Well on L	ine:	;	Started08	3/0)22	11 at _	10:00	_ (AM) (DM)	Taken		20	at	(AM) (PM)	
							OBSERV	ED SURFAC	E DATA			Duration of Shut	-in_24	Hours	
Static / Orific Dynamic Size Property (inches		e Prover Pressure		ure	Pressure Differential in Inches H ₂ 0	al Temperature Temper		ature Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		1 '		d Produced Barrels)	
Shut-In					2			480	psia	330	psia				
Flow															
			···	1			FLOW ST	REAM ATTE	RIBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd				Press Extension P _m x h	_ Tacioi		Temperature F		eviation Metered Flor factor R F _{pv} (Mcfd)		v GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m		
			••	ļ.,											
(P _c) ² =			(P _w) ² =			•		VERABILITY	<mark>/) CALCUL</mark> P _a - 14.4) +				² = 0.26	07	
$(P_c)^2 - (P_a)^2$ 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		P _d = LOG of formula 1. or 2. and divide by: p 2 . p 2 . p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x l QG		(P _d) Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow Mcfd @ 14.65 psia						Deliverability			<u> </u>	Mcfd @ 14.65 psia					
		200	authority -				totoo that I			make #				odao si	
	_		•		report is true			-			October	t and that he ha		eage of 20 <u>11</u> .	
			Witness (lf and	1)			1	AIDCO I	EXPLOR	ATION,	INC.	R[ECEIVE	
								_						7-4	
			For Comm	nissio	n		_	_			Chec	ked by	UC	1 1 4 20	

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	penalty of perjury under the laws of the si	tate of Kansas that I am authorized to request ator_MIDCO EXPLORATION, INC.
and that the forego correct to the best of of equipment install	ing pressure information and statements of my knowledge and belief based upon avai	ontained on this application form are true and ilable production summaries and lease records use being made of the gas well herein named.
gas well on the grou	unds that said well:	
i	ne) s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into a s on vacuum at the present time; KCC appro	oval Docket No.
_	o supply to the best of my ability any and a corroborate this claim for exemption from	Il supporting documents deemed by Commission
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Date: 1	0/10/2011	
	Signature: Title: Earl J. J	oyce, 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.