KCC WICHITA

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(	(See Instruc	tions on Re	verse Side	<i>;)</i>					
Open Flow				Toet Date	Test Date:				API No. 15					
/ Deliverability				01/23/2			023-20836- <del>00-00</del>							
Company Petroleum Development Corp						Lease Rice				Well Number 31-34				
County Cheyer	nne		Location NWNWI	Section 34		TWP 3S			N)	Acres Attribute 160		tributed		
Field Cherry Creek					Reservoi Niobra					ering Conne tones Thro	ction w Gathering			
Completi 05/01/2		е		Plug Back Total Depth 1629'		th	Packer S n/a		et at					
Casing Size 4.5"			Weight 10.5#		Internal Diameter 4"		Set at 1651'		Perforations 1520'		то 1534'			
Tubing S 2.375"	ize		Weight 4.75#		Internal Diameter 2"		Set at 1566'		Perforations		То			
Type Completion (Describe) N2 Fracture				Type Flui Brine \	id Production <b>Vater</b>	n	Pump Unit or Traveling Yes, PU			Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Annulus				% C	Carbon Dioxi	ide	% Nitrogen <1%		en	Gas Gravity - G <sub>g</sub>				
Vertical E		l)				Pres	sure Taps			· · · · · · · · · · · · · · · · · · ·	(Meter F	Run) (Pro	over) Size	
	Buildu	p:	Shut in01/23	3 2	12 at 2	:00pm	(AM) (PM)	Taken_0	1/24	20	12 at 2:20pn	n (A	M) (PM)	
Well on L	.ine:		Started	20	) at		(AM) (PM)	Taken		20	at	( <i>P</i>	M) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	in_24	Hours	
Static / Dynamic Property	Dynamic Size		1 Prover Pressure 1 in 1		Flowing Well Head Temperature t		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration Liquid Prod (Hours) (Barrel			
Shut-In	hut-In		pv.g (*)	Joing (Finy Miches 11 <sub>2</sub> 0				psia	psig	psia				
Flow									No.					
		<del></del>	Circle one:			FLOW STR	REAM ATTR	IBUTES				<del></del>		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or over Pressure psia	Press Extension	Grav	tor 1	lemperature i		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G_m	
				**	(OPEN EL	OW) (DELIV	; EBABILITY	) CALCIII	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =	, ,		)		:	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	?= 0.20 ?=	7	
(P <sub>c</sub> ) <sup>2</sup> - (1	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula		Backpressure Slope = "r		nxl	og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			470	ueu by. t c T w	2,	<u> </u>	Clana							
Open Flow Mcfd @ 14.65				35 psia	psia		Deliverability		Mcfd @ 14.65 psia					
			d authority, on I						o make the		t and that he ha		edge of	
			Witness (if ar	iy)			-	$\rightarrow$	fudi	TK_C For Co	Multi-	B	CEIVE	
			For Commiss	on			-	<i>-</i>	*	Chec	red by	AP	R 2 4 20	

I declare under exempt status under and that the forego correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corping pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reques	t a one-year exemption from open flow testing for the Rice 31-34
gas well on the grou	unds that said well:
i i i i i i i i i i i i i i i i i i i	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D o supply to the best of my ability any and all supporting documents deemed by Commission
starr as necessary t	o corroborate this claim for exemption from testing.
Date: 04/17/2012	Signature: Judith Prutt
	Title: Sr. Engineering Tech

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.

ì