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

Type Test	t:				(	See Instruc	tions on Re	verse Side	)				
Op	en Flo	w			Test Date	<b>.</b> .			ΔPI	No. 15			
✓ De	liverab	ilty			01/24/20					3-20292-0	00-00		
Company Petrole		eve	lopment Co	orp			Lease Clara Z				34-15	Well Number 5-1	
County Location Cheyenne NWSWSE				Section 34		TWP 2S	•		W)	Acres Attributed 160			
					Reservoir Niobrara				Gas Gathering Connection PDC Eureka Gathering				
Completion Date 01/09/1991				Plug Bac 1693'	Plug Back Total Depth 1693'				iet at	***************************************	<u> </u>		
Casing S 4.5"	Casing Size Weight			Internal E 4"	Diameter		Set at 1741'		rations 6'	то 1630'			
Tubing Size Weight 2.375" 4.75#			Internal [ 2"	Diameter		Set at P 1644'		Perforations		То			
Type Con N2 Frac		n (De	escribe)	•	Type Flui Brine V	d Productio Vater	nn		Pump Ur Yes, P	nit or Traveling	Plunger? Yes	/ No	
Producing	g Thru	(Anr	nulus / Tubing)			% Carbon Dioxide				en	Gas Gi	avity - G <sub>g</sub>	
Annulus					<1%				<1%				
Vertical D 1812'	epth(F	1)				Pres	ssure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildu	p: :	Shut in01/2	4 2	0_12_at_1	0:20am	(AM) (PM)	Taken_01	1/25	20	12 at 10:30a	am (AM) (PM)	
Well on L	.ine:	;	Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut	in 24 Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressur	1	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (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>o</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/	psig (Pm)	Inches H <sub>2</sub> 0			psig 205	psia	psig	psia	***************************************	<u> </u>	
Flow				<del> </del>			-						
				_1	l	FLOW ST	REAM ATTR	IBUTES	I				
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> xh	Extension Fact		tor Temperature		Deviation Meters Factor I F <sub>pv</sub> (Me		w GOR Flowing (Cubic Feet/ Barrel) Flowing Fluid Gravity G <sub>n</sub>		
					(OPEN FL	OW) (DELIV	/ERABILITY	) CALCUL	ATIONS	<del></del>	(P.)	y² = 0.207	
(P <sub>c</sub> )? =		_:	(P <sub>w</sub> )? =_	<u> </u>	P <sub>0</sub> =		% (F	P <sub>c</sub> - 14.4) +	14.4 =	:	(P <sub>a</sub> )		
(P <sub>c</sub> ) <sup>2</sup> - (i or (P <sub>c</sub> ) <sup>2</sup> - (i	•	(P	) <sub>c</sub> )²- (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> vided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1 or 2. and divide	P.2. P.2	Slop As	ssure Curve pe = "n" - or signed ard Slope	n x 1	LOG	Antilog	Open Flow Deliverability Equats R x Antilog (Mc/d)	
Open Flo	w			Mcfd	65 psia	······································	Deliverab	sility			Mcfd @ 14.65 ps	ja	
•		,	l									<u></u>	
			authority, on						o make the day of A		rt and that he hi	as knowledge of	
ne lacis s									,				
me lacis s			Witness (if	nny)			-		fud	th G	Trust Company	APR 2 4 20	

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and tha	the foregoing pressure information and statements contained on this application form are true and
correct	the best of my knowledge and belief based upon available production summaries and lease records
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.  eby request a one-year exemption from open flow testing for the Clara Z 34-15-1
	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
l fu	ther 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: _	4/17/2012
	Signature: Judith Prutt
	Signature:
	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.