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

Type Test	t:				(	(See Instru	ctions on Re	verse Side	e)					
□ Op	en Flov	N			Took Dak				4 D.I	No. 15				
✓ Deliverabilty			Test Date 02/18/2	02/18/2009				API No. 15 023-20706 <b>∙⊙⊙</b>						
Company Petroleu		/elo	pment Corp	ooration			Lease Northru	ıp			41-15	Well No	umber	
County Cheyenne			Locat NENE	ion	Section 15		TWP 2S		RNG (E/W) 42W		Acres Attributed 160		Attributed	
Field Cherry Creek				Reservoir Niobrara				Gas Gathering Connection Kanco Cherry Creek Gathering						
Completion Date 11/01/2006					Plug Bac 1769'	ck Total Dep	pth		Packer Set at N/A					
Casing Size 4 1/2"			Weigh 10.5#		Internal Diam 4"		ameter Set at 1792'		Perforations 1657'		то 1669'			
Tubing Size 2 3/8"			Weigh 4.75#	nt	Internal Diameter		Set at 1699'		Perforations		То			
Type Completion (Describe) N2 Fracture				Type Fluid Production Brine Water			Pump Unit or Traveling Plunger? Yes / No Yes, Pumping Unit							
Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitrog			Gas Gravity - G <sub>g</sub>			
Vertical D		)			<1%	Pre	ssure Taps		<1%		(Meter	Run) (P	rover) Size	
1801'			02/	18	. 09 . 9	:15am		<b>-</b> . 02	2/19		09 at 10:00	am	(414) (514)	
Pressure Well on L											at		(AM) (PM) (AM) (PM)	
	·		<u>,,, ,, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,</u>	·····		OBSERV	ED SURFAC	E DATA			Duration of Shut	-in 24	.75 Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressi	1	Flowing Temperature t	Well Head	Well Head Wellhead Properature (P) or (P)		Wellhe	Tubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	essure Duration		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 82	psia	psig	psia				
Flow														
						FLOW ST	REAM ATTR	IBUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension √ P <sub>m</sub> x h	tension Fac		tor Temperature		viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	w GOR (Cubic Fo Barrel		Flowing Fluid Gravity G <sub>m</sub>	
				<u> </u>	,	, ,	VERABILITY	•				) <sup>2</sup> = 0.2	07	
$(P_c)^2 = {(P_c)^2 \cdot (P_a)^2}$ or $(P_c)^2 \cdot (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide		Backpre Slo  As	c - 14.4) + essure Curve pe = "n" - or signed ard Slope	n x I	.og [	Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	w			Mcfd @ 14.	65 psia	3111414.1111	Deliverat	oility			Mcfd @ 14.65 ps	ia		
			•	n behalf of the			·				ort and that he ha		ledge of 20 09 CEIVED	
			Witness (i	if any)	******		-		Far	y The	Company		1 5 200	
			For Comm	nission			-			Che	cked by			
											r	<b>\</b> \\\	<b>WICHIT</b>	

I declare under penalty of perjury under the laws of the state o	of Kansas that I am authorized to request						
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator $\underline{}$	Petroleum Development Corporation						
and that the foregoing pressure information and statements contain							
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							
I hereby request a one-year exemption from open flow testing for	r the Northrup 41-15						
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 r	reservoir undergoing ER						
is on vacuum at the present time; KCC approval D	Pocket No						
is not capable of producing at a daily rate in exce	ess of 250 mcf/D						
I further agree to supply to the best of my ability any and all sup	porting documents deemed by Commission						
staff as necessary to corroborate this claim for exemption from testi							
Date: October 13, 2009	RECEIVED						
	OCT 1 5 2009						
	7 J						
	KCC WICHITA						
Signature:	punis						
Title: Regulatory A	gent						

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.