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

Type Test	::			6	See Instruct	ions on Re	verse Side	<del>)</del> )					
Ор	en Flow												
Deliverabilty			Test Date: April 2, 2014				API No. 15 <b>071-20091-0000</b>						
Company <b>Monarc</b> l		leum Corp				Lease Wendt		<del></del>		1	Well Nu	ımber	
County Location Greeley CSE/SE			Section 3				RNG (E/W) 40W			Acres Attributed 640			
Greeley Field			·	Reservoir		103	<del></del>		hi 0		040		
Bradsha	w			Towand				Gas Gathering Conn Duke		ection			
Completic 09-75	on Date				Plug Back Total Depth 2998		1		Packer Set at none				
Casing Size 4.5		Weigh 10.5	nt	Internal E 4.052	iameter	Set at		Perforations 2895		то <b>2944</b>			
Tubing Size 2 3/8		Weigh <b>4.7</b>	nt	Internal Diameter 1.995		Set at <b>2979</b>		Perforations		То			
Type Com single g		Describe)		Type Flui water	d Production	1		Pump U	nit or Traveling	g Plunger? Ye <b>Yes</b>	s / No		
Producing Thru (Annulus Annulus		nnulus / Tubin	ing) % Carbon Diox			de		% Nitrog	jen	Gas Gravity - G <sub>g</sub>			
Vertical Depth(H)			Press flange			sure Taps				(Meter Run) (Prover) Size 3.068			
	Buildup:	Shut in 04-	01 20	14 at 07			Taken 04	I-02	20		am	(AM) (PM)	
Well on L	ine:	Started	20	at		(AM) (PM)	Taken		20	at		(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Sho	ut-in 24	Hours	
Static / Orifice Dynamic Size Property (Inches		Circle one: Meter Prover Pressi psig (Pm)	ure un l	Differential Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		paig (i iii)	Inches 11 <sub>2</sub> 0		_	psig	psia 43	psig	psia	24			
Flow		1								1			
,					FLOW STR	FAM ATTR	IRUTES	l		ł			
Plate		Circle one:	Dunna	1		Flowing	T					Flowing	
Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p) F	Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	or T	emperature Factor F <sub>11</sub>	Fa	riation actor = pv .	Metered Flo R (Mcfd)	w GO (Cubic Barr	Feet/	Fluid Gravity G <sub>m</sub>	
	٠			•	OW) (DELIVI		•				$(a)^2 = 0.2$	207	
(P <sub>c</sub> )² =	:	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2:	P <sub>d</sub> ≡		6 (F	o <sub>c</sub> - 14.4) +	· 14.4 =	:	(F	(a) <sup>2</sup> =		
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(P' <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slo	ssure Curve pe = "n" - or signed ard Slope	n x	LOG	Antilog	Del Equals	pen Flow liverability B R x Antilog (Mcfd)	
					·						_		
				<u> </u>			•••			M (1 6 11 ==	<u> </u>		
Open Flor	<u> </u>		Mcfd @ 14.6	oo psia		Deliverab	outy			Mcfd @ 14.65 p	osia	<del></del>	
The u	undersign	ed authority, o	n behalf of the		tates that h	•		o make ti	•	ort and that he	has know	ledge of	

Witness (if any)

MAY 1 2 2014

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Monarch Petroleum Corp								
	oing 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								
	llation and/or upon type of completion or upon use being made of the gas well herein named.  st a one-year exemption from open flow testing for the Wendt 1								
	ounds 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.								
V	is not capable of producing at a daily rate in excess of 250 mcf/D								
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.								
Date: May 7, 2014	<u>.                                    </u>								
	Signature: Why with the Signature of the								

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 part of LHTA signed and dated on the front side as though it was a verified report of annual test results.

MAY 12 2014