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

= :	n Flow			( Test Date	<i>(See Instruct</i> e:	ions on Re	verse Side	•	No. 15		
Deliv	erabilty			5/2/14				119	9-20347 <b>- 00</b>	00	
Company Quantum F	Resou	rces Managem	nent, LLC			Lease Adams	Ranch			F-16	Well Number
County Location Meade 660' FSL & 660' FEL			Section 9		TWP 35S		RNG (E/W) 29W		Acres Attributed		
Field Cimmaron Bend				Reservoir Morrow / Chester / Toronto				Gas Gat DCP	thering Conne	ection	
Completion Date 7/3/79				Plug Back Total Depth 6050'				Packer Set at			
asing Size Weight 1/2" 15.5#			Internal Diameter		Set at 6250'		Perforations 4366'		то 6030		
ubing Size Weight			Internal Diameter		Set at 5885'		Perforations		То		
Type Completion (Describe) Gas Well				Type Fluid Production Gas, Oil, Water				Pump Unit or Traveling Plunger? Yes / No Plunger			
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrog		Gas Gravity - G	
ertical Dep	pth(H)				Press	sure Taps				(Meter	Run) (Prover) Siz
Pressure Bu	uildup:	Shut in 5/1	20	14 at 8	:30	(PM)	Taken 5/	2	20	14 at 8:30	(AM)(PM)
Vell on Line	ell on Line: Started2								at	at (AM) (PM)	
	_	<del>-</del>			OBSERVE	D SURFAC	E DATA	1 -		Duration of Shut	-inHo
Static / Orifice		Circle one: Pressure		Flowing Well Head Temperature Temperatu		Wellhead			Tubing ead Pressure or (P <sub>a</sub> ) or (P <sub>e</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Property (	(inches) psig (Pm) Inche		Inches H <sub>2</sub> 0	) t t		psig 100	psia	_psig_	psia	=	
Flow			<del>   </del>			100			<del>  -  </del>		
		-1-	_ <del></del>		FLOW STR	EAM ATTR	IBUTES	I		<u> </u>	<del>                                     </del>
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia  Press Extension  Pmx h		Gravity Factor F		Flowing emperature Factor F <sub>II</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	v GOR (Cubic Fo	eet/ Fluid
P,)2 =	:	(P <sub>w</sub> ) <sup>2</sup> =_	:	(OPEN FL	OW) (DELIV		) CALCUL P <sub>e</sub> - 14.4) +		:	(P <sub>a</sub> ; (P <sub>d</sub> ;	) <sup>2</sup> = 0.207 ) <sup>2</sup> =
$(P_c)^2 - (P_a)$ or $(P_c)^2 - (P_d)$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1, or 2, and divide by:		Backpressure Curve Stope = "n" or Assigned Standard Stope				Antifog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					MAY 15	2014					
 Open Flow	_		Mcfd @ 14.0			ZUI4 	aility			Mcfd @ 14.65 ps	lia .
The un	_	ed authority, on	behalf of the	Company, s	states that h	e is duly a	uthorized t	_	he above repo		as knowledge of
		Witness (if a			- <del></del>	_			urces Manag	gement, LLC Company	CC WIC
		For Commis	sion			_			Chec		MAY 2 9 20
											RECEIVE

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Quantum Resources Management, LLC									
and that the foregoing 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									
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for theAdams Ranch F-16									
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 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  I further 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: 5/14/14  MAY 15 2014  RECEIVED									
RECEIVED									
Signature: Regulatory Analyst									

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.

MAY 2 9 2014