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

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☐ Open Flow  Test Date:    July   Ju								No. 15	20		
Company			5/2/14		Lease			-20239 <b>00</b> 0		Well Number	
Quantum Resources Management, LLC				Adams Ranch					PF-7  CC Pcres Attributed  WICHITA  RECEIVED  To		
County Meade	• • •			Section TWP 10 35S			29W	·V)		VICA	
Field Cimmaron Bend			Reservoir Morrow / Chester / St. Gen				Gas Gath	ering Conne	ection MAY 15	2016	
Completion Date Plug Ba 1/5/76 6240'				lug Back Total Depth 240'			Packer S	et at	RECE	VED	
Casing Size 5 1/2"	Weight 15.5#	<del>7</del>			Set at 6413'		Perforations 5882'		To 6222'		
ibing Size Weight Inter 3/8"			Internal D	Internal Diameter Set at 6200'			Perforations		То	То	
Type Completion (Describe)  Gas Well  Type Fluid P  Gas, Oil,									ing Plunger? Yes / No		
				arbon Dioxi	xide % Nitrogen			n	Gas Gravity - G <sub>g</sub>		
Tubing Vertical Depth(H)		·		Press	sure Taps				(Meter	Run) (Prover) Size	
	5/1		14 at 9:	:30		5/2	<u> </u>		14 <sub>at</sub> 9:30		
Pressure Buildup: Well on Line:	Shut in				$\smile$				at	(AM)(PM) (AM) (PM)	
										24	
Static / Orifice	Circle one:	Pressure	Flowing	Well Head	D SURFACI Cas		Ti	ubing	Duration of Shut	inHours	
Dynamic Size	namic Size Meter Differential		Temperature t		Wellihead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psta		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In					20	paid	5	рзіц			
Flow							_				
				FLOW STR	EAM ATTR	IBUTES					
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd  Circle one:  Meter or Prover Pressure psia  Press Extension  √ P <sub>m</sub> x h		Gravity - Factor F <sub>g</sub>		Flowing Femperature Factor F <sub>II</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity		
			OPEN FLO	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(5.)	2 0007	
P <sub>c</sub> ) <sup>2</sup> =:	(P <sub>w</sub> ) <sup>2</sup> =_	<u>.</u> :	P <sub>d</sub> =			, - 14.4) +		:		<sup>2</sup> = 0.207 <sup>2</sup> =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$ (P_{c})^{2} - (P_{w})^{2} $ Choose formula 1 or 2: $ 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:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				•							
Open Flow		Mcfd @ 14.6			Deliverab				Mcfd @ 14.65 ps		
The undersign ne facts stated ther	•				-			•	rt and that he ha		
									ement, LLC		
	Witness (if a	any)						For C	ompany	KCC WICH	

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 the Adams Ranch F-7  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
Signature: Like Moding  Title: 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.

KCC WICHITA

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