KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instr	uctions on Re	verse Side	·)			
			Test Date 09/12/20				API 110	No. 15 -20 773 — 0 (200		
Company Quantum Resources Management, LLC			09/12/20	J13	Lease Adams	Ranch		-201 13 -1 00		Well Number	
County Location Meade 3500' FSL & 4680' FEL			Section 9		TWP 35S			RNG (E/W) 29W		Acres Attributed	
Field Cimmaron Bend			Reservoi Chester		en		Gas Gathering Conne DCP		ection	——————————————————————————————————————	
Completion Date 3/30/98			Plug Bac 6194'	k Total D	epth	Packer Set at					
Casing Size Weight 15.5#			Internal (Internal Diameter		Set at 6267'		rations 3'	то 6162'		
Tubing Size Weight 2 3/8"			Internal I	Diameter		Set at 6000'		rations	То		
Type Completion (Describe) Gas Well			Type Flui Gas. C	d Produc	tion			it or Traveling	Plunger? Yes	lunger? Yes / No	
Producing Thru (Annulus / Tubing) Tubing			-	Carbon Di			% Nitrogen		Gas Gravity - G		
Vertical Depth(H)			<u> </u>	Pressure Taps					(Meter I	Run) (Prover) Size	
Pressure	Buildup:	Shut in 09	/12	20_13_at_8	:30	(AM)(PM)	Taken_09	9/13	20	13 at 8:30	(AM)(PM)
Well on L	ine:			20 at _		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSER	VED SURFAC	E DATA	_		Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifice Size (inches	Circle one: Meter Prover Press psig (Pm	Differential	lemperature	Temperature Temperatu		Wellhead Pressure (P_w) or (P_1) or (P_c)		ubing ad Pressure (P _e) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		poig (i iii	inches (1 ₂ 0		_	40	psia	psig 20	psia		
Flow					_						
					FLOW S	TREAM ATT	RIBUTES				
Plate Coefficcient (F _b) (F _p) Mcfd		Gircle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Extension Faci		Flowing Temperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Growita
			<u> </u>								
(P _c) ² =		: (P _w) ²	= :	(OPEN FL P _d =	• •	L iverabilit ` % (/) CALCUL P _a - 14.4) +		:	(P _a) (P _d)	p ² = 0.207 p ² =
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c)²-(P _w)²	Choose formula 1 or 1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide		Backpre Slo	essure Curve ppe = "n" or ssigned dard Slope		og	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)
				<u> </u>		_	•				
Open Flo				1 65 nele		Deliveral	billby			Mcfd @ 14,65 ps	ia
		and authority		•	etatos the		<u></u>	n maka **		ort and that he ha	
	_	•	said report is tr	, -		•		day of N	-	or and that he ha	, 20 <u>14</u>
		Witness	(if any)				Quanto	um Reso		gement, LLC	<u> </u>
		For Com				<u> </u>				cked by	KCC WICHI
		10.001							Jilo		MAY 2 9 2014
											RECEIVED

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Quantum Resources Management, LLC
and that the fo correct to the b of equipment in I hereby re	regoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the Adams Ranch F-32
gas well on the	grounds that said well:
	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necess Date: 5/27/14	sary to corroborate this claim for exemption from testing.
	Signature: <u>Malanda Pa</u> Title: Regulatory Manager
	HIIIe: # regulatory Manager

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 MAY 2 9 2014

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