KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instruct	tions on Rev	erse Side))				
□ Ор	en Flow			Test Date				451.1	N- 45			
✓ Deliverability				12/28/20		API No. 15 119 -全球 20, 901 - 6060						
Company Quantum Resources Management, LLC						Lease Fox				Well Number 36-M		
County Location Meade 4290' FNL & 4290' FWL			Section 36		TWP 33S		RNG (E/W) 30W		Acres Attributed			
Field Cimmaron Bend			Reservoir Morrow			Gas Gathering Connection DCP						
Completion Date 3/5/80			Plug Bac 6272'	k Total Dept	Packer Set at				***************************************			
Casing Size Weight			Internal Diameter		Set at 5999'		Perforations 5812'		то 5826'			
Tubing Size Weight 2 3/8"			Internal Diameter		Set at 5800'		Perforations		То			
Type Completion (Describe) Gas Well				d Production Dil, Water	n	Pump Unit or Traveling Plunger			Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Tubing			% C	arbon Dioxi	de	_			Gas Gravity - G _g			
Vertical D	epth(H)	481			Pres	sure Taps			natire. Provident	(Meter F	Run) (Prover) Size	
Pressure Buildup:		Shut in		13 _{at} 12:30		. (AM)(PM) Taken_1		2/19 20		13 _{at} 12:30	(AM)(PM)	
Well on Line:		Started 20) at		-				at	(AM) (PM)	
		-			OBSERVE	D SURFACE	DATA			Duration of Shut-	n_24Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press	Pressure Differential ure in		Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P,) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	(psig (Pm)	Inches H ₂ 0			psig 10	psia	psig 5	psia		-	
Flow												
				-	FLOW STR	REAM ATTRI	BUTES					
Plate Coefficeient (F _b) (F _p) P Mofd		Circle one: Meter or Prover Pressure psia	Press Extension √ P _m x h	Gravity Factor F		Flowing Temperature Factor F ₁₁	Fac	Deviation Meters Factor I F _{pv} (M		v GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G _m	
			<u> </u>				<u> </u>					
P _c) ² =	:	(P _u)² =	::	(OPEN FL		ERABILITY) % (P	CALCULA - 14.4) +		:	(P _a) ² (P _d) ²	2 = 0.207 2 =	
$(P_c)^2 - (P_a)^2$ 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 P2_P2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Detiverability Equals R x Antilog (Mcfd)	
Open Flo	<u> </u>		Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
	_	•	on behalf of the aid report is true			•		make the	•	rt and that he ha	s knowledge of, 20	
								m Resou	rces Manag	ement, LLC 🖌	CC WICHI	
		Witness (_	•			•		
		For Com	mission			_			Chec	ked by	MAY 2 9 2014	
											RECEIVED	

exempt status under land that the foregoin correct to the best of of equipment installat	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Quantum Resources Management, LLC g pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records ion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Fox 36-M and that said well:
is is is is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D
	supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: 5/27/14	
	Signature: <u>Allanda</u> Par Title: 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

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