KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					((See Instruct	ions on Re	everse Side	;)				
Open Flow Deliverabilty					Test Date: 11/13/13			API No. 15 15-175-20465 - 0<i>0</i>00					
Company				11/13/1		Lease	Lease				Well Number		
Cabot Oil & Gas Corporation County Location			Section		TWP	TWP RNG (E/W)		W)	2-1 Acres Attributed		tributed		
Seward		SW			1		34S		34W			640	
Field Archer					Reservoi Morrow			Gas Gathering Co WNG		hering Conn	ection		
Completic 08/04/19		te			Plug Bac 6637	k Total Dept	h	n Packer Set None		Set at			
Casing S 4 1/2"	ize		Weight 10.5		Internal Diameter 4.052		Set at 6503		Perforations 6028		To 6039		
Tubing Si 2 1/16"	ze	Weight 3.25		Internal D		Diameter	iameter Set at 6025		Perforations		То		
Type Con		n (De	+,			id Production	Pump Unit or Trave		nit or Traveling	Plunger? Yes	/ No		
Single Gas Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitrog	en	Gas Gr	Gas Gravity - G		
Tubing													
Vertical D 6035	epth(F	•				Press	sure Taps				(Meter	Run) (Pro	over) Size
Pressure	Buildu	p: :	Shut in	3 2	0_13 at_1	:00 PM	(AM) (PM)	Taken		20	at	(A	M) (PM)
Well on L	ine:		Started 11/14	420	0 <u>13</u> at <u>1</u>	·OO DM					at		
				·		OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{-in} 24	Hours
Static /	Orifice Size (inches)		Circle one: Meter	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		E .	ubing	Duration	Liquid Produced	
Dynamic Property			Prover Pressure						Wellhead Pressure (P _w) or (P ₁) or (P _c)		(Hours)		(Barrels)
Shut-In			poig (m)	menes 11 ₂ 0			psig 228	psia	psig 228	psia			
Fłow													
						FLOW STR	EAM ATTR	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fac F	tor T	Flowing emperature Factor F ₁₁	Fa	iation ector _{pv}	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FL	OW) (DELIVI 		')		:		$r^2 = 0.20$	7
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$		noose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ nided by: $P_c^2 - P_w^2$	formula 1 or 2: P _c ² - P _a ² formula P _c ² - P _d ² 1. or 2. and divide		Backpre Slo As	essure Curve pe = "n" - or ssigned dard Slope	n x I	.og [Antilog	Open Flov	
						· · · · · · · · · · · · · · · · · · ·							
Open Flov	<u> </u>			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 psi	ia	
,		ianed	authority on			states that he	•		o make th		rt and that he ha		udae of
			n, and that saic						day of N		т анч шаг не ла		13 .
	•"			,			<u></u>	MI	1110	() m	1100	,(
			Witness (if a	ny)				<i>,</i> , u		For C	Company		
			For Commiss	ion			***		-	Chec	ked by	KCC	: WICH

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	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request									
	status under Rule K.A.R. 82-3-304 on behalf of the operator Cabot Oil & Gas Corporation									
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.										
	reby request a one-year exemption from open flow testing for the Hacker #2-1 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									
l fu	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission									
taff as	necessary to corroborate this claim for exemption from testing.									
)ata∙ 1	1/21/13									
raie										
	Signature: May Jones									
	Title: Mary Torres 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.

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