## KANSAS CORPORATION COMMISSION 23 2012 ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				. (	See Instruct	ions on Rev	verse Side	)	KCC W	CHITA	
Op	en Flo	w			Test Date	<b>.</b> .	*			No. 15		
<b>✓</b> De	liverab	ilty			6/20/20						1-00-00	
Company		₹es	ources, In	C.			Lease Byrd H	ardy			1	Well Number
County <b>Kiowa</b>			Locati SW N		Section 18		TWP 28S		RNG (E/	W)		Acres Attributed
Field Brenha	ım				Reservoir Mississ				Gas Gat Oneok	hering Conn	ection	
Completion 01/03/1		е			Plug Bac <b>4862</b>	k Total Dept	h		Packer S	Set at		
Casing S 4 1/2	ize		Weigh		Internal [	Diameter	Set a	nt	Perfo <b>477</b>	rations 6	To <b>4794</b>	
Tubing S 2 3/8	ize	·	Weigh	t	Internal [	Diameter	Set a	it	Perfo	rations	То	
Type Cor Single (	•		escribe)		Type Flui Gas &	d Production <b>Water</b>	1			nit or Traveling Unit, Yes	Plunger? Yes	/ No
	-		nulus / Tubinç	)	% C	arbon Dioxi	de		% Nitrog	en		avity - G <sub>g</sub>
Annulus Vertical D		<u> </u>	ing			Pres	sure Taps				0.617	Run) (Prover) Size
VOI WOUL	ориц	''				. 100.	ouro rapo				(**************************************	, (* ******, ******
Pressure	Buildu	p:	Shut in06/2	202	0_12_at_8	:00 am	(AM) (PM)	Taken_06	5/21	20	12 <sub>at</sub> 8:00 ar	n (AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	E DATA			Duration of Shut-	inHours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one:  Meter  Prover Pressu		Flowing Temperature t	Well Head Temperature t	Casi Wellhead (P <sub>w</sub> ) or (P	Pressure	Wellhe	fubing ad Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 148	psia	N/A	psia	24	3W
Flow							75		N/A			
						FLOW STR	EAM ATTR	IBUTES	<u> </u>			
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fact	or	Flowing Femperature Factor F <sub>11</sub>	Fa	ation ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G
										24		
					(OPEN FL	OW) (DELIV	ERABILITY)	) CALCUL	ATIONS		(P.)	2 = 0.207
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =	9	% (P	c - 14.4) +	14.4 =	:	(P <sub>d</sub> )	
(P <sub>c</sub> )² - (I ∴ or (P <sub>c</sub> )² - (I	-	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop Ass	ssure Curve pe = "n" or signed ard Slope	nx	LOG [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
······												
Open Flo				Mcfd @ 14.	65 neia		Deliverab	ility			Mcfd @ 14.65 psi	a
			1 11						a maka th			
		•	•	id report is true			•		day of	•	rt and that he ha	, 20 <u>12</u>
			Witness (i	any)			-		10	cus (	Company V	7
			For Comm	ission			-			Chec	cked by	

## JUL 23 2012

	KCC WICHITA
	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
	der Rule K.A.R. 82-3-304 on behalf of the operator Advantage Resources, Inc.
and that the fore	going pressure information and statements contained on this application form are true and
correct to the bes	st of my knowledge and belief based upon available production summaries and lease records
• •	tallation and/or upon type of completion or upon use being made of the gas well herein named.  uest a one-year exemption from open flow testing for the Byrd Hardy 1
	rounds that said well:
(Chec	k 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
<u></u>	is not capable of producing at a daily rate in excess of 250 mcf/D
<u> </u>	
J	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
staff as necessa	ee to supply to the best of my ability any and all supporting documents deemed by Commission
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staff as necessa	see to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.  Signature:

## 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.