## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(	See Instruct	tions on Rev	erse Side	)				
Open Flow				Test Date	Test Date:								
✓ Deliverabilty				05/22/2			API No. 15 097-21359 <b>- 0000</b>						
Company Advantage Resources, Inc.						Lease Byrd Ha	Lease Byrd Hardy				Well Number C-1		
County Location Kiowa NE NW SW			Section 24		TWP 28 S		RNG (E/W) 18 W		Acres Attributed 160		attributed		
Field Brenham				Reservoir Mississ			Gas Gathering Co Oneok		•	ection			
Completion Date 06/04/2002					Plug Back Total Depth 4947		th		Packer Set at				
Casing S 4-1/2	ize	Weight			Internal Diameter		Set at		Perforations 4818		To <b>483</b> 8		
Tubing Size 2-3/8			Weight		Internal Diameter		Set a	Set at Perfo		rations	То		
Type Completion (Describe) Single (Gas, Oil)						d Production il & Wate			Pump Unit or Travel Pump Unit, Yes		Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) Annulus / Pumping				% C	arbon Dioxi	de		% Nitrogen		Gas Gravity - G <sub>a</sub> 0.6205			
Vertical E			5			Pres	sure Taps						rover) Size
Pressure	Buildu	p:	Shut in <u>5/2</u>	22	<sub>0</sub> <u>15</u> at <u>8</u> :	00 AM	(AM) (PM)	Taken_5/2	23	20	15 at 8:00 Al	<u>VI</u> (	(AM) (PM)
Well on L	ine:		Started	2	0 at	<del></del>	(AM) (PM)	Taken	· · · ·	20	at	(	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	n	Hours
Static / Dynamic	Dynamic Size		Circle one: Meter Prover Pressi	Pressure Differential ure in	Flowing Well Head Temperature		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)	
Property Shut-In			psig (Pm)	Inches H <sub>2</sub> 0	t t		psig 110	psia	psig N/A	psia	24	1 BO + 30 W	
Flow				<u> </u>			67		N/A		4 <del>4</del>	1 BC	7 + 30 VV
			!			EL OW STE	REAM ATTRI	DITEE	14//				
Plate		_	Circle one:				Flowing	BUIES		_			Flowing
Coefficient  (F <sub>b</sub> ) (F <sub>p</sub> )  Mcfd		Meter or Prover Pressure		Press Extension	Grav Fac	tor	emperature F		iation ictor	Metered Flov R	v GOR (Cubic Fe	e <b>V</b>	Fluid
		rit	psia	√ P <sub>m</sub> x h	F,	,	Factor F <sub>rt</sub>	F	pv pv	(Mcfd)	Barrel)		Gravity G <sub>m</sub>
									_	18			
				l	(OPEN EL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS				l
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	: :	•		•	+ (14.4 - ء		•	(P <sub>a</sub> )² (P <sub>d</sub> )²	e 0.2	07
		_		Choose formula 1 or 2	:			sure Curve	-				en Flow
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula		Slope = "n"		1 2 106		Antilog	Deliverability	
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Assigned Standard Slope					Equals R x Antilog (Mcfd)	
				ulvided by: 1 c 1 w		<u> </u>	-			-			
					-								
							<u> </u>				<u> </u>		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
				n behalf of the aid report is true				_		-	ort and that he ha		ledge of 20 15 .
10013 3			ing and mat 5	ara report is tiut	and conec				uay ui	2	_/	, : )	
			Witness (	if any)		KCC /	MICHIA	·	Tour	er (End	John L		
						-6 -111N_3	12-20/	5/		~rort	Company - ·		
			For Comm	nission		- VOIT [	: 4 (BB)			Che	cked by		

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	erjury under the laws of the state of Kansas that I am authorized to request 82-3-304 on behalf of the operator Advantage Resources, Inc.							
and that the foregoing pressure	information and statements contained on this application form are true and							
correct to the best of my knowled	dge and belief based upon available production summaries and lease records							
· ·	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 Byrd Hardy C-1							
gas well on the grounds that said	d well:							
(Check one)								
. —	methane producer							
	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							
	e of producing at a daily rate in excess of 250 mcf/D							
is not capable	e of producing at a daily rate in excess of 250 file/ib							
	he best of my ability any and all supporting documents deemed by Commission e this claim for exemption from testing.							
Date: Jane 19, 200	<u></u>							
KCC WIC JUN 22 2 RECEIV	2015							

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.