RECEIVED

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

Type Test	t:		,	. (	See Instruc	ctions on Re	verse Side	e) .			
, various	en Flow		* .	Test Date				ADI I	No. 15		
De	liverabilt	Ahr Su	et Intest	_ 1/31/20	 13				77-21605 <i>~</i>	0000	
Company America	/					Lease Unruh					Well Number
County Harper		Loca NE-S	ution W-NW-SW	Section 22		TWP 32S		RNG (E/V 7W	V)		Acres Attributed
Field Crystal S	Springs			Reservoi Mississi					ering Connec	ction	
Completion Date			Plug Back Total Depth			h .		et at	· · · · · · · · · · · · · · · · · · ·		
Casing Size Weight 51/2 15.5`		Internal Diameter 4.950		Set at <b>4646'</b>		Perfora		To 4418'	•		
Tubing Si	ubing Size Weight		Internal I	Internal Diameter		Set at 4605'		ations	То		
Type Completion (Describe) Gas			Type Flui	d Production	on :			Pump Unit or Traveling Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Annulus			-	arbon Diox				% Nitrogen		avity - G <sub>g</sub>	
/ertical D					Pres	ssure Taps				(Meter	Run) (Prover) Size
			31	12 0	SUVIN		. 2/			13 Q://5ar	<u> </u>
Pressure	Buildup:										m(AM) (PM)
Vell on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20 _	at	(AM) (PM)
· · ·	٠.				OBSERVE	ED SURFACI	E DATA			Duration of Shut-	in 24 Hours
Static / Orifice Dynamic Size Property (inches		Meter Prover Pres	Differential in	Flowing Temperature t	erature Temperature	.Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)
		psig (Pm	) Inches H <sub>2</sub> 0			psig	psia	psig	psia`		
Shut-In Flow						90					
		<u>.</u> .		<u> </u>	ELOW ST	REAM ATTR	IDIÍTEC				
Plate		Circle one:	T			Flowing		T			Flowing
Coeffieci (F <sub>b</sub> ) (F Mcfd	ient <sub>p</sub> )	Meter or Prover Pressure psia	Press Extension  P <sub>m</sub> x h	Grav Fact	or .	Temperature Factor	· Fa	ation ctor pv .	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/ Fluid
								-			
				(OPEN FLO	OW) (DEĹIV	/ERABILITY)	CALCUL	ATIONS			3 0.007
c) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup>	=:	$P_{d} =$		, .	, c - 14.4) +			(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	.	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Slop	ssure Curve De = "n" Orsigned	n x LC	og T	Antilog	Open Flow Deliverability Equals R x Antilog
	d' .		divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		ard Slope	•			(Mcfd)
										•	
						Dolivarahi	ility	<u>l </u>	- M	cfd @ 14.65 psi	<u>.</u>
pen Flov	<u> </u>		Mcfd @ 14	65 osia		Dellacian				0.0 0 17.00 P31	<b>∽</b> .
		ned authority	Mcfd @ 14.		tates that h	Deliverable is duly au		make the		and that he ha	se knowledge of
The u	ındersigr	,	Mcfd @ 14. on behalf of the	Company, s		ne is duly au	thorized to			and that he ha	s knowledge of , 20 13
The u	ındersigr	,	on behalf of the	Company, s		ne is duly au	thorized to		above report	and that he ha	
	ındersigr	,	on behalf of the	Company, s		ne is duly au	thorized to		above report	and that he ha	

I declare under penalty of perjury ur				ed to request
exempt status under Rule K.A.R. 82-3-30	4 on behalf of the oper	ator American Wa	rrior Inc.	· · · · · · · · · · · · · · · · · · ·
and that the foregoing pressure informa	tion and statements	contained on this a	pplication form	are true and
orrect to the best of my knowledge and l	belief based upon ava	ilable production s	ummaries and l	lease records
f equipment installation and/or upon type	e of completion or upo	n use being made o	of the gas well h	erein named.
I hereby request a one-year exemption	on from open flow test	ing for the Unruh	1-22	
as well on the grounds that said well:			•	
(Check one)				
is a coalbed methane	producer	: .	•	
is cycled on plunger li	ift due to water			
is a source of natural	gas for injection into a	an oil reservoir und	ergoing ER	
is on vacuum at the pr	resent time; KCC appr	oval Docket No		
is not capable of prod	lucing at a daily rate i	n excess of 250 mo	:f/D	
	•			
I further agree to supply to the best of	of my ability any and a	all supporting docu	ments deemed	by Commission
taff as necessary to corroborate this cla	aim for exemption from	n testing.		
eate: _2/7/2013			<u>:</u>	$\frac{1}{2} \left( \frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} - \frac$
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	()	$\gamma$		
	Signature:	lellenta	rol	
		JCTION ASSISTAN	 NT	
	Title: PRODU	10 HON MOSIS I MI	<b>V</b> I	
	Title: PRODU	DC HON ASSISTAL		

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

NOV 27 2013