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

عزلم وحتم

Commande   SW-SW-NE-NE   9   33   18W   Field   Reservoir   Gas Garbaning Connection   WPS   State   Reservoir   Gas Garbaning Connection   WPS   State   Perforations   To   4868   4978   State   Perforations   To   4868   4878   State   Perforations   To   4868   A878   State   Perforations   To   4868   A878   State   Perforations   To   4868   A878   State   Perforations   To   State   State   Perforations   Pe	Type Tes	t:			(	See Instruc	tions on Rev	erse Side	)					
Companies   Comp	Op	en Flov	<i>t</i>		. Test Date	<u>)</u> :			API	No. 15				
Companies   Comp	De	eliverabi	34 HrSh	utInTes	10/17/1	4					-0000			
Committee   SW-SW-NE-NE   9   33   18W   First   Reservoir   Gas Garbering Connection   WPS   Completion Date   Purp Back Total Depth   Packer Set at   Perforations   To   4078   4565   4478   457	Company	y										Well Nu	mber	
Wagnon   KC   WPS   Completion Date   State   Packer Set at   State   Packer Set at   State	•						The state of the s		W)	Acres Attributed		Attributed		
Carling Size   Waight   Internal Diameter   Sat at   Penforations   To   4868'   4873'   Tubing Size   Waight   15.5   Internal Diameter   Sat at   Penforations   To   4868'   4873'   Tubing Size   Waight   4.70   1.995   4850'   4850'   4850'   4873'   Tubing Size   Waight   4.70   1.995   4850'	Field							•						
Tubbing Size Weight Infernal Dismeter Set at Perforations To 1.995 4850'  Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Vise / No Pump Unit or Traveling Plunger? V	Completion Date							Packer \$	Set at					
Tabing Size  Weight 4.70  1.995  4850'  4850'  4850'  Pump Ing unit  Pump Ing unit  Pumping unit  Poducing Thru (Annalus / Tubing)  Scarbon Dioxide  Shirting  Pressure Taps  (Motor Run) (Prover) Size  Annulus  Vertical Depih(H)  Pressure Buildup: Shirt in 10/17  20 14 at 8:30 am (AM) (PM) Taken 10/18  20 at (AM) (PM) Taken 20 at	Casing Size Weight			Internal Diameter										
Type Completion (Describe)  Gas  Formation Water Pumping unit  Pumping unit  Pumping unit  Pumping unit  Pumping unit  Stated Seravity - Q  (Meter Run) (Prover) Size  Pressure Buildup: Shut in 10/17 20 14 at 8:30am (AM) (PM) Taken 10/18 20 14 at 8:30AM (AM) (PM)  Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) Taken 20 at (AM) (PM)  Well on Line: Started Size Prover Pressure Information Indices H <sub>1</sub> 0  Static / Onlice Size Prover Pressure Information Indices H <sub>2</sub> 0  Shut-in Flow 23  Shut-in Flow 23  FLOW STREAM ATTRIBUTES  Coefficient (F <sub>2</sub> ) (F <sub>1</sub> ) (P <sub>2</sub>								Perfo	rations					
Formation Water Pumping unit Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - Gannulus (Meter Run) (Prover) Size (Meter Run) (Prover) (P	23/8													
Pressure Buildup: Shut in   10/17   20   14 at 8:30 am   (AM) (PM) Taken   10/18   20   14 at 8:30 am   (AM) (PM) Taken   10/18   20   14 at 8:30 am   (AM) (PM) Taken   10/18   20   14 at 8:30 am   (AM) (PM) Taken   20   20   20   20   20   20   20   2	Gas								Pumping unit					
Pressure Buildup:   Shut in   10/17   20 14   at 8:30 am   (AM) (PM) Taken   10/18   20 14   at 8:30 AM   (AM) (PM)		~	(Annulus / Tubi	ng)	% C	% Carbon Dioxide			% Nitrog	en	Gas Gra	Gas Gravity - G		
Pressure Buildup:   Shut in   10/17   20   14   at   8:30 am   (AM) (PM)   Taken   10/18   20   14   at   8:30 AM   (AM) (PM)						Pres	sure Taps				(Meter F	Run) (P	rover) Size	
Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA  Duration of Shut-in 24 Hours  Static / Oriffice Moter's Property (finches) Prope	70,000.		•				<b>,-</b>				<b>(</b>	, (.		
Static / Orifice Meter / Orifice Property (Inches) Property (Inches) Property (Inches) Property Property (Inches) Property Property (Inches) Property (Inche	Pressure	Buildup	: Shut in 10	)/17	20_14 at 8	:30am	(AM) (PM)	Taken 10	)/18	20	14 at 8:30AM	<b>VI</b>	(AM) (PM)	
Static / Orifice Dynamic Property (Inches) Stze Property (Inches) Property Prover Pressure Politice Inches H, 0 Property Prover Pressure Politice Inches H, 0 P	Well on L	ine:	Started	2	20 at	<del>,</del>	(AM) (PM)	Taken		20	at		(AM) (PM)	
Static   Orifice   Property   Orifice   Property   Pr			· - ·		·	OBSERVE	D SURFACE	DATA			Duration of Shut-	<sub>in_24</sub>	Hours	
Shut-in  Flow  Flow  Flow STREAM ATTRIBUTES  Flowing Patter Prover Pressure Prover Pactor Feator Fig.  (F,) (F,) (F,) Model  Fig.  (P,) 2 = : (P,) 2 = : (P,) 2 = : (P,) 3 = (Model by: P, 2 - P, 2)	Dynamic	Size	e Meter Prover Pres	Meter Differential		Temperature Temperature		Wellhead Pressure		ad Pressure				
Flow STREAM ATTRIBUTES  FLOW STREAM ATTRIBUTES  CONSERVATION DIVISION WICHTIA, KS  Plate Coefficient (F, ) (F, ) Meter or Prover Pressure Paid Meter or Prover Pressure Paid  (Rcubic Feet) Factor Fac	Property	(inche	C)	I	1	t				<del></del>	Kece KANSAS CORPORA	IVEO ION COMMISSION		
FLOW STREAM ATTRIBUTES  Plate Coefficeient (F <sub>p</sub> ) (F <sub>p</sub> ) Meter or pasia  Coefficeient (F <sub>p</sub> ) (F <sub>p</sub> ) Meter or pasia  Coefficeient (F <sub>p</sub> ) (F <sub>p</sub> ) Meter or pasia  Coefficeient (F <sub>p</sub> ) (F <sub>p</sub> ) Meter or pasia  Coefficeient (F <sub>p</sub> ) (F <sub>p</sub> ) Meter or pasia  Coefficeient (F <sub>p</sub> ) (F <sub>p</sub> ) Factor Factor Factor Factor F <sub>p</sub> Finding Temperature Factor F <sub>p</sub> Factor F <sub>p</sub> Finding Temperature Factor F <sub>p</sub> Rector Rec	Shut-In						<del>                                     </del>				DEC 1	5 20	)14	
Plate Coefficient (F <sub>2</sub> ) (F <sub>2</sub> ) Meter or psia Pressure psia Press (Gravity Pactor F <sub>2</sub> ) P <sub>2</sub> (P <sub>2</sub> ) <sup>2</sup> = (P <sub>2</sub> ) <sup>2</sup> (	Flow										CONSERVATI	ON DIV	SION	
Coefficient $(F_{p})(F_{p})$ Modd $P_{power}(F_{possure})$ Extension $P_{possure}(F_{possure})$ Extension	[			<u> </u>		FLOW STR		BUTES						
(P <sub>c</sub> ) <sup>2</sup> = : (P <sub>w</sub> ) <sup>2</sup> = : P <sub>d</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = : (P <sub>d</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> = : (P <sub>d</sub> ) <sup>2</sup> =	Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> )		Meter or Prover Pressure	Extension	Fac	tor	Temperature Factor		ctor	R	(Cubic Feet/		Fluid Gravity	
(P <sub>c</sub> ) <sup>2</sup> = : (P <sub>w</sub> ) <sup>2</sup> = : P <sub>d</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = : (P <sub>d</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> = : (P <sub>d</sub> ) <sup>2</sup> = : (P <sub>d</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> = : (P <sub>d</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>a</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the  Witness (if any)  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>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 3. LOG of tormula  1. or 2.  Antillog Slope = "n"  Antillog Antillog  Mortd @ 14.65 psia  Deliverability  Mortd @ 14.65 psia  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the  Mitness (if any)					•		•						07	
Open Flow  Mcfd @ 14.65 psia  Deliverability  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of he facts stated therein, and that said report is true and correct. Executed this the11	(P <sub>c</sub> ) <sup>2</sup> =	Т	_; (P <sub>w</sub> )²	····							(P <sub>d</sub> )	' = T		
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 11 day of Shally Case  Witness (if any)  Witness (if any)	or		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	$(P_c)^2 - (P_w)^2$ 1. $(P_c^2 - P_a^2)^2$ 2. $(P_c^2 - P_d^2)^2$		formula 1. or 2. and divide   p 2 . p 2		Slope = "n"or Assigned		LOG	Antilog	Del Equals	Deliverability Equals R x Antilog	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 11 day of Shalley Case.  Witness (if any)  Witness (if any)				divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	z by:	<u> </u>	Standa	a slope					(mera)	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 11 day of Shifted S					<u> </u>									
he facts stated therein, and that said report is true and correct. Executed this the 11 day of DECEMBER 20 14.  Witness (if any)  Witness (if any)	Open Flow Mcfd @ 14.65 psia					Deliverabil	Deliverability Mcfd @ 14.65 psia							
Witness (if any)  Shelley Case  ROALY LINUH	The	undersi	ned authority,	on behalf of the	Company, s	states that h	e is duly aut	horized to	o make ti	ne above repo	rt and that he ha	ıs know	ledge of	
	the facts s	stated th	erein, and that	said report is tru	e and correc	t. Executed	this the 11		day of	ECEMBER			20 <u>14</u> .	
			102a	(if any)			_			Shel	ley Cas	e_		
For Commission Gilbacked by							_			_K.@(	Y Unnu	h		

	y under the laws of the state of Kansas that I am authorized to request 3-304 on behalf of the operator American Warrior Inc.
• •	rmation and statements contained on this application form are true and
•	and belief based upon available production summaries and lease records
• •	type of completion or upon use being made of the gas well herein named.
	nption from open flow testing for the Wagnon 1-9
gas well on the grounds that said wel	ll: Received
(Check one)	KANSAS CORPORATION COMMISSION
is a coalbed metho	ane producer DEC 1.5 2014
<u></u>	ner lift due to water CONSERVATION DIVISION
<u></u> · · ·	wichitA, K\$  ural gas for injection into an oil reservoir undergoing ER
<u> </u>	e present time; KCC approval Docket No
	producing at a daily rate in excess of 250 mcf/D
I further agree to supply to the be	est of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this	s claim for exemption from testing.
Date: _12/11/2014	
Dale.	
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	$\theta_{0}$ , $\theta_{0}$
	Signature: Stillle Wall
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## 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.