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

Type Test	t:					6	See Instru	ctio	ns on Re	verse Side	)						
Open Flow Deliverabilty						Test Date	<b>:</b> :		API No. 15 15- <b>937</b> -21164 <b>~000</b>								
Company ABERCE		IE E	ENERGY, L	LC					Lease SHRIVE	:R		s <del>i</del>		#1	Well Nu	ımber	
County Location PRATT NE SE NE					Section 9			TWP 26S		RNG (E/W) 11W			Acres Attributed 160				
Field STARK EAST				Reservoir, MISSISSIPPIAN			Gas Gathering ONEOK			•	ectio	n					
Completion Date 9/15/82						Plug Baci 4077'	k Total De	pth			Packer S 4014'	et at					
Casing Size Weight 5 1/2" 14.0#					Internal Diameter 4.950"			Set a 4129		Perfor	ations	то 4044					
Tubing Size Weight 2 3/8" 4.7#					Internal Diameter 2.00"			Set a 4014		Perforations NONE			То				
Type Con	•	•	,				d Production					it or Traveling	Plui	nger? Yes	/ No	·•·	
Producing Thru (Annulus / Tubing) CASING					% C 0.033	arbon Dio	xide	•	<del></del>	% Nitrogen 16.127			Gas Gravity - G <sub>g</sub> 0.773				
Vertical Depth(H) 4044					Pressure								(Meter Run) (Prover) Size 2" FLANGE				
	Buildup	): :	Shut in 04/	05	20_	14 at 9:	00	_ (/	AM) (PM)	Taken 04	1/06	20	14		+	(AM) (PM)	
Well on Line:		;	Started		_ 20 _	0 at		_ (/	AM) (PM)	Taken	aken		at		(AM) (PM)		
							OBSERV	ΈD	SURFACE	E DATA			Dura	ation of Shut-	<sub>in</sub> _24	Hours	
Static / Orifice Dynamic Size Property (inches)		3	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differentia in Inches H	al Te	Flowing Well Temperature Temp		velihead (P <sub>*</sub> ) or (P		Pressure Wellhea		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In									psig 10#	14.4#	psig	psia	24	hrs.	,		
Flow			<u>_</u>											-			
			<del></del>	T		ſ	FLOW ST	RE	AM ATTR	BUTES						T 3	
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mctd		Pro	Circle ona: Meter or ever Pressure psia	Press Extension ✓ P <sub>m</sub> xt	nsion Factor		or Tempe		Flowing mperature Factor Fu	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =	!	 _:	(P <sub>w</sub> ) <sup>2</sup> =	:	((	DPEN FLO	OW) (DELI	VER	•		 ATIONS 14.4 =	;		(P <sub>a</sub> )	= 0.2 =	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_q)^2$		(F	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 c  1. Pc²-Ps² 2. Pc²-Pd² divided by: Pc²-	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> LOG of formula 2. P <sub>o</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. or 2, and divide		P <sub>0</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>		Slop Ass	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flor	w			Mcfd @ 1	14.65	psia			Deliverab	ility			Mcfd	@ 14.65 psi	a		
The t	undersi	gnec	d authority, or	n behalf of ti	he Co	ompany, s	tates that	he	is duly au	thorized to	o make th	e above repo	rt ar	d that he ha	s know	ledge of	
the facts s	tated th	erei	n, and that sa	aid report is t	rue a			<b>•</b>			day of D	ecember			1	20 <u>14</u> .	
			Witness (i	fany)			DEC			SION	Jyou J	Ford	Compa	ny			
			For Comm	ission		C	ONSERVAT	ארוני	- unusus			Che	cked b	y			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator ABERCROMBIE ENERGY, LLC 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.  I hereby request a one-year exemption from open flow testing for the SHRIVER #1  gas well 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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date:
Received KANSAS CORPORATION COMMISSION Title:  Operations Manager  DEC 18 2014  CONSERVATION DIVISION WICHITA, KS

## 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.