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

Type Tes	t:					(	See Instru	ctions	on Re	verse Side	)						
	en Flo eliverab					Test Date	ə:				API 15-	No. 15 097-20203 -	-00	000			
Company		BIE E	ENERGY, I	LLC					ease IINKS					#1	Vell N	umber	
County Location KIOWA NE NW				Section 13			WP 28S		RNG (E.	'W)	Acres Attributed 320						
Field HARDY					, <del>, , , , , , , , , , , , , , , , , , </del>	Reservoi MISSIS	r SIPPIAN				Gas Gat	hering Conn	ectio	n			
Completic 3/25/74	on Dat	е				Plug Bac	k Total Dep	pth			Packer S NONE	Set at					
Casing Size Weight 5 1/2" 15.5#				Internal Diameter 4.995"			Set a 482		Perfo 477	rations O'	то 4791'						
Tubing Size Weight 2 3/8" 4.7#				Internal Diameter 2.00"			Set <i>a</i>		Perfo NOI	rations VE	То						
Type Cor SINGLE						Type Flui WATE	d Productio	on				nit or Traveling	Plur	nger? Yes	/ No		
	_	(Anı	nulus / Tubir	ng)			arbon Dio	xide			% Nitrog	en	-	Gas Gr		G <sub>g</sub>	
CASING Vertical Depth(H)					0.15 Pressure Taps					1.97			0.613 (Meter Run) (Prover) Size				
4791	рерипця	1)					P10	ssure	iaps					3" FL		•	
Pressure	Buildu	p: :	Shut in 05	/19	2	0_14_at_9	:00	(AN	4) (PM)	Taken_05	5/20	20	14			(AM) (PM)	
Well on L	.ine:	;	Started		2	0 at		_ (AN	1) (PM)	Taken		20		at		(AM) (PM)	
							OBSERV	ED S	URFACI	E DATA			Dura	ation of Shut-	n_24	Hours	
Static / Orifice Dynamic Size		Э	Meter Prover Pressure		Pressure Differential in	1 ·	erature Temperature			ing Pressure () or (P <sub>a</sub> )	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)		
Property	(inch	es)	psig (Pm)		Inches H <sub>2</sub> 0	t	t		psig	psia	psig	psia					
Shut-In								18	31#	195.4#		<u> </u>	24	hrs.			
Flow																·	
<del></del>				<del></del>			FLOW ST	REAN	VI ATTR	IBUTES						<del></del>	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>tt</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
																ı	
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> )²:	=	:	(OPEN FLO		VERA %		) CALCUL <sup>2</sup> ្ត - 14.4) +		.:		(P <sub>a</sub> ) <sup>(</sup>	= 0.2	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		se formula 1 or 2:    P <sub>0</sub> <sup>2</sup> - P <sub>8</sub> <sup>2</sup>   P <sub>0</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>   P <sub>0</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	LOG of formula 1. or 2. and divide p 2. p 2		Backpre Slop As	ssure Curve pe = "n" - or signed ard Slope	n x	rog		Ope Antilog Equals		pen Flow liverability s R x Antilog (Mcfd)	
							-										
Open Flo	w				Mcfd @ 14.	65 psia	<u> </u>	D	eliverab	ility			Mcfd	@ 14.65 psi	а		
The	undersi	igned	authority, o	on be	ehalf of the	Company, s	states that	he is	duly at			e above repo	ort an	d that he ha	s knov	vledge of	
the facts s	tated ti	nerei	n, and that s	said ı	report is true	e and correc	t. Execute	d this	the _1		day of	ecember				20 <u>14</u> .	
	n addition.		Witness	(if any	)		Rece s corporat			DN/	tan	Por	Compar	y'			
			For Com	missio			DEC_1	8 20	) 4 _			Che	cked by	· · · · · · · · · · · · · · · · · · ·			
						CO	NSERVATIO WICHITA	N DIVI	SION			2.10					

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 MINKS #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: December 16, 2014
Received Signature: Acry Muit  DEC 18 2014 Title: Operations Manager  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.