RECEIVED

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

Type Test:	en Flow			. **		ctions on R	everse Sid	•		1 1231	
Deliverabilty				Test Date:				API No. 15 15-097-20162 <b>- 0000</b>			
Company Abercrom	ıbie Ene	ergy, LLC				Lease Bertrai	m			#1	Well Number
County Location Kiowa NE			Section 14				RNG (E 18W	E/W)	Acres Attributed 640		
Field Hardy			Reservoi Misissip			Gas Gathering Conr Oneok			ection		
Completion Date 4/14/73			Plug Bac 4834'	k Total Der	oth	th Packer Set at None					
asing Size Weight 1/2" 15.5#			Internal Diameter 4.995"		Set at <b>4860'</b>		Perforations 4780		то 4790		
ubing Siz ! 3/8"			Internal Diameter 2.00"		Set at <b>4785</b> '		Perforations None		To		
Type Completion (Describe) Single Gas Well			Type Flui water	on	Pump Unit or Traveling Pumping Unit			Plunger? Yes	s / No		
Producing Thru (Annulus / Tubing) Casing				% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>g</sub>	
ertical Depth(H)			Pressure Taps				2.20		(Meter Run) (Prover) Size 3" pipe		
ressure B	Buildup:	Shut in 6/1	0 2	0_13_at_9	:00	. (AM) (PM)	Taken_6/	′11	20	13 <sub>at</sub> 9:00	(AM) (PM)
Vell on Lin	ie:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	ED SURFAC	E DATA			Duration of Shu	t-in 24 Hour
Static / lynamic roperty	Orifice Size (inches)	ze Prover Pressure in		Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration Liquid Produ (Hours) (Barrels)	
Shut-In						71# .	85.4#	psig	psia	24 hrs	
Flow											
		Circle one:			FLOW STR	REAM ATTE	RIBUTES				
Plate Coeffiecier (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	1 -	Meter or Pressure psia		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor Fit Fit Formula Deviation Factor Formula Deviation Factor Formula Deviation		ctor	Metered Flow R (Mcfd)	GOR (Cubic F Barrel	eet/ Fluid
				(005)		·				·	
,) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO			) CALCUL 2 <sub>c</sub> - 14.4) +		• *		) <sup>2</sup> = 0.207 ) <sup>2</sup> =
$(P_c)^2 - (P_a)$ or $(P_c)^2 - (P_d)$	1	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n" Or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
pen Flow		Mcfd @ 14.65 psia		-	Deliverability			11-11-0		ia	
	dersioner	authority on			ates that h		,	make th		Mcfd @ 14.65 ps	as knowledge of
			id report is true						ovember	canu man ne ha	es knowledge of
	40	1ARI4 ***	and.	to the state of th		·· _		lary	must		KCC WICH
	<u> </u>	Witness (if	any)					0	For Co	empany	
		. For Commis	ssion						Check	sed by	NOV 13 20

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Abercrombie Energy, LLC
	going pressure information and statements contained on this application form are true and
	t of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Bertram #1
gas well on the gr	ounds that said well:
(Check	
	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.
<b>▼</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commission
	y to corroborate this claim for exemption from testing.
	to concess are time oranii for exemption from testing.
D . November	12 2012
Date: November	12, 2013
	Signature: Aary Misul
	Title: Operations Manager
	TILLE: _ Operations Manager

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.

NOV 1 3 2013