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

Type Tes	it:				(	See Instruc	ctions on Re	everse Side	<del>)</del> )					
:	pen Flov eliverabi				Test Date	9:				No. 15 119 <b>-</b> 20900 -	-0000			
Company ABERCROMBIE ENERGY, LLC						Lease ESTES					#2	Well Number #2		
County Location MEADE NW NW SE			Section 19		TWP 32W		RNG (E/W) 29W			Acres Attribute				
Field ANGELL				Reservoi MORRO					nering Conn	ection ELD SERVICE	:S			
Completion Date 5/25/94			Plug Back Total Depth 6109'			-	Packer S 5566'	et at						
Casing Size Weight 5 1/2" 15.5#			Internal [ 4.995'	Diameter	Set at 6138'		Perforations 5554		то <b>559</b> 6					
Tubing Size Weight 2 3/8" 4.7#				Internal 0 1.995"	Diameter		Set at 5553'		rations JE	То		<del></del> .		
Type Cor		(Describe)			Type Flui None	d Production					g Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide			% Nitrogen 8.927			Gas Gravity - G <sub>e</sub>				
Vertical Depth(H) 5596					Pressure Taps				0.921		(Meter Run) (Prover) Size 3" Flange			
Pressure	Buildur	o: Shut in _	10/14	2	0 14 at 9	:00	(AM) (PM)	Taken_10	)/15	20	14 0:00		(AM) (PM)	
Well on L	ine:	Started _	<del></del>	2	0 at		. (AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shu	t-in 24	Hour	
Static / Dynamic Property	Orific Size (Inche	Prover Pro	er I essure	Pressure Differential In Inches H <sub>2</sub> 0	Flowing Well He Temperature t		ture $(P_w)$ or $(P_1)$ or $(P_2)$		Tubing Welihead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> )		Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-In		17.3					90#	psia 104.4#	psig	psia	24 hrs.			
Flow														
						FLOW ST	REAM ATTE	IBUTES	<del> ,</del>		<del></del>			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one; Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	nsion Factor		Tomporoture		Deviation Factor F <sub>pv</sub>		w GOR (Cubic F Barrel	eet/	Flowing Floid Gravity G <sub>m</sub>	
					(OPEN FL	OW) (DELI\	/ERABILITY	) CALCUL	ATIONS		(P	) <sup>2</sup> = 0.2	07	
(P <sub>c</sub> )² ≈		_: (P <sub>w</sub>	) <sup>2</sup> ≃	ee formula 1 or 2:	P <sub>d</sub> =	<del></del>		P <sub>c</sub> - 14.4) +		:		)2 =		
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (l		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> LOC form  2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. a and a did by: P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 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		I ADRIOG I		Open Flow Deliverability quals R x Antilog (Mcfd)	
	-						<del> </del>							
Open Flo	n Flow Mcfd @ 14.65 psia					Deliverability			Mcfd @ 14.65		sia			
The	undersi	gned authority	, on be	half of the	Company, s	states that h	ne is duly a	uthorized to	make th	e above repo	ort and that he h	as know	ledge of	
the facts s	stated th	erein, and tha	ıt said re	eport is true					day of De	ecember	<u>- 1</u>	,	20 14 .	
Witness (If any)					DEC 1 8 2014			tay	For C	Company	any			
		ForC	ommission	1	C	ONSERVATION	ON DIVISION	· · ·		Che	cked by		,	
						WICHIT	A, KS						•	

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 ESTES #2
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 KANSAS CORPORATION COMMISSION Signature:  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.