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

1. 9

Type Test	:				(	See Instrud	ctions on Rev	erse Side	)			
✓ Open Flow Deliverability			Test Date:			API No. 15						
<u> </u>		ılty		-	2-11-15				15-	165-00174 <del> -</del>		
Company Bear Pet		m Ll	LC				Lease Rothe				V	Vell Number 1
County Rush			Locatio C SE N		Section 31		TWP 17		RNG (E/W) 16W		Acres Attributed 320	
Field Reichel					Reservoir Topeka				Gas Gathering Connect IACX Energy, LLC		ction	
Completic 1-20-55	on Dat	е	<u> </u>		Plug Bac 3020	k Total Dep	oth		Packer S	Set at		·
Casing Size 7"			Weigh		Internal Diameter 6.625"		Set at		Perforations 2990		то <b>2976</b>	
Tubing Size 2 3/8"			Weigh 4.6		Internal Diameter 2"		Set at		Perforations		То	
Type Completion (D Perf & Treat			escribe)		Type Fluid Production Saltwater		n		Pump Unit or Traveling P Pumping Unit		Plunger? Yes / No	
Producing Tubing	Thru	(Anr	nulus / Tubing	)	% C	arbon Diox	xide		% Nitrog	en	Gas Gra	avity - G <sub>g</sub>
Vertical D	epth(F	1)	•			Pre	ssure Taps				(Meter F 4"	Run) (Prover) Size
Pressure	Buildu	p:	Shut in <u></u>	-10 2	0 15 at 1	1:00	_ (AM) (PM)	Taken	2-11	20	15 at 11:00	(PM)
Well on L	ine:		Started	20	D at		_ (AM) (PM)	Taken		20	at	(AM) (PM)
				-		OBSERV	ED SURFACE	DATA			Duration of Shut-i	nHours
Static / Dynamic Property	Orifi Siz (inch	6	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	e (P <sub>w</sub> ) or (P <sub>1</sub>	Pressure ) or (P <sub>c</sub> )	Welihe	fubing ad Pressure r (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In				menos rige			210	psia	pstg	psia		
Flow												
				·		FLOW ST	REAM ATTRI	BUTES			<del> </del>	
Plate Coeffied (F <sub>b</sub> ) (F Mofd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	tor	Flowing Temperature Factor F <sub>f1</sub>	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G_m
/D \2			/D \2		•	OW) (DELI	VERABILITY)					= 0.207
(P <sub>c</sub> )² =				Choose formula 1 or 2:	P <sub>d</sub> =			<sub>c</sub> - 14.4) + sure Curve			(P <sub>d</sub> ) <sup>2</sup>	
(P <sub>c</sub> ) <sup>2</sup> - (1 or (P <sub>c</sub> ) <sup>2</sup> - (1	P <sub>a</sub> ) <sup>2</sup> P <sub>d</sub> ) <sup>2</sup>	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	<ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>c</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>c</sub><sup>2</sup></li> <li>Sivided by: P<sub>c</sub><sup>2</sup> - P<sub>c</sub><sup>2</sup></li> </ol>	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Šlop Ass	e = "n" or igned ird Slope	n x	rog 📗 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
											1	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Vicfd @ 14.65 psi	a
		_	•		•		-			•	rt and that he ha	_
ine facts s	tated fi	nerei	in, and that sa	id report is true		Receive	 h	Bear	day of <u>A</u> اما عا	41.ma   17	^	, <sub>20</sub> <u>15</u>
			Witness (ii	any)	A.P		COMMISSION _	GCC.	1.21	For C	ompany	
			For Comm	ssion		3 O.8 2	2015 –	Cont	<u>uu</u>	Chec	ked by	

CONSERVATION DIVISION WICHITA, KS

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Bear Petroleum LLC
	e foregoing pressure information and statements contained on this application form are true and
correct to th	e best of my knowledge and belief based upon available production summaries and lease records
of equipmer	nt installation and/or upon type of completion or upon use being made of the gas well herein named.  request a one-year exemption from open flow testing for the
	the grounds that said well:
<b>9</b>	
(	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
	r agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
Date: <u>4-7-1</u>	5
	Received KANSAS CORPORATION COMMISSION  APRIL 0 8 2015  CONSERVATION DIVISION WICHITA, KS  CONSERVATION DIVISION

## 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.