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

Type Test	:				(	See Instruct	ions on Re	verse Side	)					
✓ Op	en Flow													
Deliverabilty				Test Date: 3-15-13				API No. 15 15-165-35191 - <b>00</b> 00						
		-			J-13-13	<del></del>	Locas					Well Nur	mhar	
Company Bear Pet		LLC					Lease Rau				'	vveii Nur 1	HOĐI	
County Location			 n	Section		TWP		RNG (E/W)		,	Acres Attributed			
Rush			W SE S	SE	10		17		17W			160		
Field Reichel				Reservoir Topeka, LKC					Gas Gathering Connection IACX Energy, LLC		ction			
Completion Date 2-20-62				11.3	Plug Bac 3588	k Total Dept	th		Packer Set at					
Casing S 4 1/2"	ize		Weight 10.5			Internal Diameter		Set at 3599		Perforations Topeka 3032-41		то LKC 3319-3406		
Tubing Si	ize		Weight 4.6			Internal Diameter		Set at 3030		rations	То			
2 3/8" 4.6 Type Completion (Describe)					d Production			Pump Unit or Traveling Plunger? Yes / No						
N MA M	การเกา	ed (	ริลง+	0:1)_	Saltwa		•		Pumping Unit					
Producing	This (	Annulus	/ Tubing)	<u> </u>	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G		
Annulus														
Vertical D	epth(H)					Pres	sure Taps				(Meter I 2"	łun) (Pri	over) Size	
Preseure	Buildus	Shuti	3-14	2	0 13 at 1	0:00	AM (PM)	Taken 3-	15	20	13 <sub>at</sub> 10:00		ÂM)(PM)	
Pressure Buildup:												•		
Well on L	ine:	Starte	d	2	0 at		(AM) (PM)	Taken		20	at	(/	4M) (РМ)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in	Hours	
Circle one: Pressure						Cas		T	Tubing		102			
Static / Dynamic	Orifice Size	Meter		Differential	Flowing Temperature	Well Head Temperature	Wallhead Pressure		Wellhead Pressure		Duration		Liquid Produced	
Property	(inche:	2) [	<i>r Pressure</i> ig (Pm)	in Inches H <sub>2</sub> 0	t	t	(P <sub>w</sub> ) or (P	psia	(P <sub>w</sub> ) or psig	(P <sub>1</sub> ) or (P <sub>c</sub> )	(Hours)	(Barrels)		
Shut-In							32	рыа	parg	Paid				
		-					32			+ +				
Flow							<u> </u>							
	···					FLOW STR	EAM ATTR	IBUTES						
Plate	,		Circle one: Pres		Gravity		Flowing Day		viation Metered Flow		GOR		Flowing	
	Coefficient		or essure	Extension	Factor		[amnerature		actor R		(Cubic Fe		Fluid Gravity	
(F <sub>b</sub> ) (F <sub>p</sub> ) F Mefd		psia		$\sqrt{P_m x h}$	F,	F,		F <sub>II</sub>		(Mcfd)	Barrel)		G <sub>m</sub>	
			<u>.</u>		J			<u>-                                    </u>						
					(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		` .	<sup>2</sup> = 0.20	)7	
P <sub>c</sub> ) <sup>2</sup> =	·	:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =		% (F	o - 14.4) +	14.4 =	;	(P <sub>d</sub> )	² <u>=</u>		
(P_)²- (P_)²		(P <sub>c</sub> ) <sup>2</sup> • (F		hoose formula 1 or 2 1. $P_c^2 - P_a^2$	LOG of		Backpressure Curve Slope = "n"					Open Flow		
or $(P_a)^2 - (P_d)^2$		(° <sub>6</sub> ) (1	*′	2, P <sub>2</sub> -P <sub>2</sub>	formula 1. or 2.			- or	η×L	LOG	Antilog	Deliverability Equals R x Antilog		
				vided by: $P_{a}^{-2} \cdot P_{a}^{-1}$	and divide	P.2. P.2	Assigned Standard Slope		1			(Mcfd)		
					+ -			,	1			<del></del>		
	-							·			<del></del>			
												<u> </u>		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	pility		N	/lcfd @ 14.65 psi	a		
		nad			. ,				n males H-				adaa of	
	_									•	t and that he ha		-	
ne facts s	tated the	erein, and	I that said	d report is true	and correc	t. Executed	this the 2	9th	day of M	arcn	<del></del>	, 2	RECEIVED	
								R	oc D	. بداها	ALC KANS		RECEIVED PORATION COI	
			Wilness (if a	iny)			-		us Ke	For Co	\ LLL_ ompany			
			10. 00	••				ما	(N)	iluler-	<del>(</del>	AP	R 0 5 201	
			For Commiss	sion			_		ı	Check	ked by			
												CONSE	ERVATION DIVIS WICHITA, KS	

exempt statu and that the correct to the of equipmen I hereby	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request a under Rule K.A.R. 82-3-304 on behalf of the operator Bear Petroleum LLC foregoing pressure information and statements contained on this application form are true and a best of my knowledge and belief based upon available production summaries and lease records tinstallation and/or upon type of completion or upon use being made of the gas well herein named. The request a one-year exemption from open flow testing for the Rau #1 he grounds that said well:
(0	Check one) is a coalbed methane producer
	is a coalbed metrialie 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
	essary to corroborate this claim for exemption from testing.
	·
Date: 3-29-	13
	Signature:
	Title: President

## 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. KANSAS CORPORATION COMMISSION