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

Type Test	t:				(	(See Inst	ructions on	Rever	se Side)						
<b>√</b> Op	en Flov	V			Test Date	<b>a.</b>				ΔDI	No. 15				
De	liverabi	lty			4-21-20					15-	165-21159 ·	-000	$\mathcal{L}$		
Company Bear Per		n					Leas Hari	e man C	<del>-</del> ;	•			Well N	lumber	
County Rush			Locati NE NE	Section 2					RNG (E/W) 16W			Acres Attributed 160			
Fleid Reichel			-			Reservoir Neva, Red Eagle, L				Gas Gathering Connection IACX Energy, LLC		ection			
Completion Date 1-13-84					Plug Bac 3360	Plug Back Total Depth 3360			n Packe		et at		"	Traine trainer detrois	
Casing Size 4 1/2"			Weigh 9.5	t	Internal ( 4"	Internal Diameter 4"				Perforations Neva 2388-92		το Re	то Red Eagle 2451-55		
Tubing Size Weight 2 3/8" 4.6			t	Internal Diameter			Set at <b>3485</b>		Perforations		To	то LKC 3316-20			
Type Con	npletion	(De			Type Flui	d Produc		7-03		Pump Ur	il or Traveling				
Comm	ingl	ed	(Gas t	-0il)	Saltwa						ng Unit				
Producing	THRU	(Anr	rulus / Tubing	))	% C	Carbon D	ioxide	··	•	% Nitrog	en	Gas	Gravity -	G,	
Annulus Vertical D			···	<del></del>			ressure Tar						4== (D.)=> (	Barrer Circ	
Vertical D						····						4"		Prover) Size	
Pressure	Buildup	): :	Shut in 4-20	<u> </u>	20 11 at 1	0:00	(AM) (I	PM) Ta	ken_4-2	21	20	11 at 10:0	00	(AM) (PM)	
Well on L	ine:	;	Started	2	0 at	· · · · · · · · · · · · · · · · · · ·	(AM) (I	PM) Ta	ken		20	at		. (AM) (PM)	
	•					OBSER	RVED SURI	FACE D	ATA			Duration of S	hut-in	Hours	
Static /	Orlfic	Ifice Circle one		Pressure Differential	Flowing	Well Head	ad	Casing Wellhead Pressure		Tubing				Liquid Produced	
Dynamic Property	Size (inche		Prover Pressu	re in	Temperature t	Temperatu	iure i	or (P, ) or		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liq	(Barrels)	
, ,	(mene	,	psig (Pm)	Inches H <sub>2</sub> 0	<u> </u>	<u> `</u>	psig		psia	psig	psla				
Shut-in						ļ	560								
Flow												i			
						FLOW S	STREAM A	TTRIBL	ITES						
Plate			Circle one:	Press	Grav	vity	Flowing		Devia	tion	Metered Flow	v G	OR	Flowing	
Coeffied (F <sub>b</sub> ) (F	-	Meter or Prover Pressure psla		Extension	Fac			emperature Factor		tor	R	(Cubi	c Feet/	Fluid Gravity	
Mcfd				✓ P <sub>m</sub> xh	F,	•	F <sub>tt</sub>		Fpv		(Mcfd)	Barrel)		G <sub>m</sub>	
					(OPEN FL	OW) (DE	LIVERABIL	.ITY) C	ALCULA	TIONS			(P <sub>a</sub> ) <sup>2</sup> = 0	.207	
(P <sub>c</sub> )² =		.:_	(P <sub>*</sub> )² =		P <sub>d</sub> =		%	(₽ <sub>e</sub> ·	14.4) + 1	4.4 =	:		(P <sub>a</sub> ) <sup>2</sup> =		
(P <sub>c</sub> )²- (F	ا برد	(P	[)²- (P <sub>w</sub> )²	Choose formula 1 or 2	LOG of		Bed	kpressui			_ r ¬ [			Open Flow	
or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> ) <sup>2</sup>				2. P.². P.	formula 1, or 2.	1, or 2.		Stope = "n"orAssigned		n x LOG		Antilog	1	eliverability us R x Antilog	
(' e/ \'	9,			svided by: P.2 - P.	and divide by:	P. P.	s	lendard			LJ			(Mctd)	
			li l												
		-							************						
Open Flor	w		•	Mcfd @ 14.	65 psia		Deliv	erability	,			Mcfd @ 14.65	psia		
The u	ındersiç	gned	l authority, or	behalf of the	Company, s	states tha	at he is dul	y autho	rized to	make th	e above repo	rt and that he	a has kno	wledge of	
				id report is true						ay of A				20 11	
							_	_	Bea	C Pe	troleur	Υ		_RECEIVE	
			Witness (if	any)			_		100	() l	Y LL FORD	отралу		_	
<del></del>	•		For Commi	ssion			-		<u> </u>	· 1 · ^	Chec	ked by		APR 2 8 2	

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 Bear Petroleum 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 fequipment 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 Hartman C #1 as 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 taff as necessary to corroborate this claim for exemption from testing.
Signature: RECEIV  Title: President  APR 2 8
KCC WIQ

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.