Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:	:				(See Instruc	tions on He	verse Side,)					
	en Flow				Test Date	e:			API	No. 15				
∐ Del	iverabiliy				12/15/1					175-2037	1-0000	•		_
Company BEREN (RATION					Lease HOWL	AND			2		/ell Number	_
County Location SEWARD NE NW			Section 11		TWP 35S			E/W)			Acres Attributed N/A			
Field LIBERAL, SE		Reservoir MORR				Gas Gathering Con XTO		ection			••			
Completion Date 10/17/1978			Plug Bac 6491	k Total Dep	th	Packer Set at NONE						-		
Casing Size Weight 4.5 10.5			Internal D 4.052	Diameter				rlorations)74		то 6082		_		
Tubing Size Weight 1.9"			Internal Diameter Set 61				Perfo	То			_			
Type Completion (Describe) SINGLE GAS			Type Flui	d Productio	n		Pump Ui YES	nit or Traveling	Plunger? Yes / No			-		
Producing Thru (Annulus / Tubing) CASING			% Carbon Dioxide				% Nitrogen			Gas Gravity - G _p				
Vertical D							ssure Taps NGE				-	Meter R	un) (Prover) Size	=
Pressure	Buildup:	Shut in _12	2/14	20	15 at 8			Taken_12	/15	20			(AM) (PM)	-
Well on Li	ine:	Started		20) at		(AM) (PM)	Taken		20	at		(AM) (PM)	
			······································			OBSERVE	D SURFACI	E DATA	· · ·	,	Duration of	f Shut-iç	24 Hours	s S
Static / Dynamic Property	Orifice Size (inches)	e Prover Pressure in Temperature		Well Head Casing Temperature (P _w) or (P ₁) or (P ₂)		Pressure	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Hours Received Property Proper	ed V COM		
Shut-In	(IIICIIGS)	psig (Pm) In	ches H ₂ 0		<u> </u>	psig 68	psla	psig 18	psia	24	9	ONSERVAL 28	2015
Flow													ONSERVATION DIV	/sion
•		•	,	. 1	-	FLOW ST	REAM ATTR	IBUTES		•				_
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Extension F		vity tor	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	(C	GOR ubic Feet Barrel)	Flowing Fluid Gravity G _m	
						ļ	·							
P _c) ² =	:	(P _w)²	=	:	(OPEN FLO	, ,	/ERABILITY % (F) CALCUL/ ² 14.4) +		:		(P _a) ² : (P _d) ² :	= 0.207 =	
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) ²	Choose 1. 2.	formula 1 or 2: P _c ² - P _a ² P _c ² - P _d ²	LOG of formula 1, or 2. and divide	P _c ² -P _w ²	Slop As	ssure Curve pe = "n" - or signed ard Slope	пх	LOG	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
_			aivided L	by: P _c ² -P _w ²	by:		Statio						· , ,	-
•			_	·	<u> </u>						_			
Open Flov	W		M	cfd @ 14.	65 psia		Deliverab	ility			Mofd @ 14.	.65 psia	l	_
	•	ed authority, ein, and that					•			ne above repo	ort and that	he has	knowledge of, 20 <u>15</u>	
		Witness	s (if any)	<u> </u>			-	The	77 0	For	Company			-
		For Con	nmission				_			Che	cked by			_
										-110				

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Beren Corporation
and that correct to of equip I he	he foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the Howland #2
945	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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission ecessary to corroborate this claim for exemption from testing.
Date: <u>1</u>	DEC 28 20 CONSERVATION DIVIS WICHITA, KS
	Signature:
	Title: Petroleum Engineer

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.