KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Rev	erse Side)					
√ Op	en Flo	w			Test Date			_	A DI	No. 15				
De De	eliverat	oilty			12/17/1				AFI	175-2037	1-0000			
Company		POF	RATION			··	Lease HOWL/	AND			2	Well Numi	ber	
County SEWARD			Location NE NW		Section 11		TWP 35S		RNG (E/W) 33W		Acres Attributed		ributed	
Field LIBERA	AL, S	EΕ			Reservoir MORR				Gas Gat	hering Conn	ection			
Complete 10/17/1		te			Plug Bac 6491	k Total Dep	th		Packer S NONE					
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at 6521		Perforations 6074		то 6082			
Tubing Size 1.9"			Weig	ht	Internal	Internal Diameter		Set at 6106'		rations	То			
Type Cor SINGLE			escribe)	······································	Type Flui WATE	d Production	n		Pump Ur YES	it or Traveling	Plunger? Yes	/ No		
Producing CASING	-	(An	nulus / Tubii	ng)	% C	Carbon Dioxi	ide		% Nitrog	en	Gas Gi .658	ravity - G _g		
Vertical D	Depth(l	H)				Pres FLA	sure Taps NGE				(Meter 2"	Run) (Prov	ver) Size	
Pressure	Buildu	ъ: 	Shut in 12	/16	14 at 8			Taken_12	2/17	20	14 at 8 AM	(AI	M) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AI	M) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	in 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press psig (Pm)	Differential in	Flowing Well He Temperature Temperat		e Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Fili	menes H ₂ 0			psig 60	psia	psig	psia	24			
Flow														
						FLOW STR	REAM ATTRI	BUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle ane: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fac F	tor	Temperature F:		viation Metered Flor actor R F _{pv} (Mcfd)		w GOR (Cubic Fe Barrel)	L.	Flowing Fluid Gravity G _m	
			. <u> </u>	<u> </u>										
(P _c)² =		:	(P _w) ² :	= :	(OPEN FL		ERABILITY)	CALCUL - 14.4) +		:	(P _a) (P _d)	²= 0.207	, 	
(P _c) ² - (I or (P _c) ² - (I		(F	P _e) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w	LOG of formula 1, or 2. and divide		Backpres Slope Assi	sure Curve e = "n" or gned rd Slope	nxt	.00	Antilog	Open Delive Equals R	n Flow erability I x Antilog cfd)	
Open Fio				Mcfd @ 14.	.65 psiæ	<u>-</u>	Deliverabil	ity			Mcfd @ 14.65 ps	ia		
The t	unders	igne	d authority, o	on behalf of the	Company, s	states that h	e is duly aut	horized to	make th	e above repo	ort and that he ha	as knowled	dge of	
the facts s	tated t	here	in, and that s	aid report is tru	and correc	t. Executed	this the 22	nd	day of D	ecember		, 20	<u>14</u>	
						Receiv	ed	100	e# 1	91/2-				
			Witness	(if any)	KANSAS	CORPORATIO	N COMMISSION			For	Company			
			For Com	mission	Į	DEC 24	2014			Che	cked by			
						- - •	,							

CONSERVATION DIVISION WICHITA, KS

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to requexempt status under Rule K.A.R. 82-3-304 on behalf of the operator Beren Corporation and that the foregoing pressure information and statements contained on this application form are true correct to the best of my knowledge and belief based upon available production summaries and lease record equipment installation and/or upon type of completion or upon use being made of the gas well herein named thereby request a one-year exemption from open flow testing for the Howland #2 gas well on the grounds that said well:	and ords
(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 Comm staff as necessary to corroborate this claim for exemption from testing.	ission
Date: 12/22/14	
Received KANSAS CORPORATION COMMISSION Signature: DEC 2 4 2014 Title: Petroleum Engineer 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.