KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					6	See Instruc	ctions on Re	verse Side)					
	en Flov liverab					Test Date 12/17/14				API	No. 15 175-2022	8- 0000			
Company BEREN	, CORF	POR	ATION		-		-	Lease HOWL	AND			1	Well Nu	nber	
County SEWAF				ws w	Section 10		TWP 35S			W)		Acres Attributed N/A			
Field LIBERAL, SE					Reservoir MORROW/CHESTER				Gas Gat	hering Conr	ection				
Completic 3/8/197		e				Plug Back 6233	k Total De	pth		Packer 8	Set at				
Casing Si 4.5					Internal D 4.052	iameter	Set at 6233		Perforations 6155		то 6175				
3			Weig 4.7	jht	-	Internal D 1.995	Internal Diameter 1.995		Set at 6145		rations	То			
Type Con	getion) S)	escribe)			Type Flui	d Productio	on	-	Pump Ui	nit or Traveling	g Plunger? Yes	/ No		
	Thru		nulus / Tubir	ng)		% C	arbon Dio	kide		% Nitrog	jen	Gas G .654	ravity - G	e	
Vertical D)						ssure Taps				(Meter	Run) (Pr	over) Size	
Pressure	Buildu	p:	Shut in	/16	2	14 at 8			Taken_12	2/17	20	14 at 8 AM	(AM) (PM)	
Well on Li	ine:		Started		20	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
						,	OBSERV	ED SURFACI	E DATA			Duration of Shut	-in 24	Hou	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure ilferential in ches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wollhood Proceura		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		l Produced Sarrels)	
Shut-In	nut-In							55		55		24			
Flow	. <u>.</u>							<u>]</u>]		<u> </u>					
						1	FLOW ST	REAM ATTR	IBUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press xtension P _m xh	Grav Fact F _c	tor	Flowing Temperature Factor F _I ,	Fa	iation ctor _{pv}	Metered Flo R (Mcfd)	w GOR (Cubic Fo Barrel)	eet/	Flowing Fluid Gravity G _m	
				<u></u>							···				
(P _c) ² =		_:	(P _w) ² :	=	:	(OPEN FL		VERABILITY _% (F) CALCUL '。 - 14.4) +		:)²	07	
(P _c) ² - (F or (P _c) ² - (F	- 1			Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _c ² divided by: P _c ² - P _w ²		LOG of formula 1, or 2, and divide	P _c ² - P _s ²	Backpressure Ct Slope = "n" or Assigned Standard Slop		nx	.oe []	Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
										-					
Open Flov				Me	cfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
The (undersi	gned	d authority, o	on beh	alf of the	Company, s	states that	he is duly au				ort and that he ha		-	
ne facts st	tated th	erei	n, and that s	said rep	ort is true	e and correc	t. Execute	d this the 22	2nd/	day of $\frac{D}{L}$	ecember		,2	20	
			Witness	(if any)		KANS	Rec	eived - ATION COMMISS		zne//		Company			
							TO CURPURA	THON COMMISS	SION			· ·			

CONSERVATION DIVISION WICHITA, KS

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 Beren Corporation 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 of equipment 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 Howland #1 gas 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
staff as necessary to corroborate this claim for exemption from testing. Date: 12/22/14
Received Signature: DEC 2 4 2014 CONSERVATION DIVISION WICHITA, KS Signature: 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.