KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				•	(See Instruct	lions on Rev	rerse Side	9)				
= :	n Flow			Test Date	e:			API	No. 15			
	iverabilty	· ·		11/23/1		<u></u>			175-2037	1- <i>0</i> 0-0C		
Company BEREN CORPORATION					Lease HOWLAND					2	Well Number	
County Location SEWARD NE NW			Section 11				RNG (E 33W	∕W)		Acres Attributed N/A		
Field LIBERAL, SE			Reservoi			Gas Gathering Con XTO		thering Conn	ection	RE	CEIV	
Completion Date				Plug Bac 6491	k Total Dept	th	Packer Set at NONE				NOV KCC I	⁷ 29
sing Size Weight		Internal I	Internal Diameter 4.052		Set at 6521		rations 4	т _о 6082	KCC	— ///∩≀		
4.5 10.5 Tubing Size Weight 1.9"				Internal Diameter		Set at 6106'		rations	To		<u>''</u> ''	
pe Com	pletion (D	escribe)		• •	id Production		· · · · · · · · · · · · · · · · · · ·		nit or Traveling	Plunger? Yes	/ No	
Oducing		nulus / Tubin	g)	WATE	Carbon Dioxi	de		YES % Nitrog	jen	Gas G	ravity - G _c	
ASING				· · · · · · · · · · · · · · · · · · ·						.658	D) (D) (I	
Vertical Depth(H) 6078					Pressure Taps FLANGE					(Meter 2"	Run) (Prover) Siz	e
				12 at 8	12 at 8 AM (AM) (PM) Taken 1			1/23/	20		(AM) (PM)	<u> </u>
'ell on Li	ne:	Started	2	at		(AM) (PM)	Taken		20	at	(AM) (PM))
-	- ·				OBSERVE	D SURFACE	DATA		·	Duration of Shut	24 Ho	urs
tatic /	Orifice Size	Circle one: Motor	Pressure Differential	Flowing	Flowing Well Head mperature	Casing Wellhead Pressure (P _w) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration	Liquid Produced	
roperty	(inches)	Prover Press psig (Pm)		t	t					(Hours)	(Barrels)	
Shut-tn						70		<i>j</i> ,	pora	24		
Flow												
					FLOW STR	EAM ATTRI	BUTES					_
Plate Coeffiecte (F _b) (F _p Mcfd		Circle one: Meter or over Pressure psia	Press Extension	Gra Fac F	tor T	Flowing Temperature Factor F ₁₁	Fa	iation ctor : pv	Metered Flov R (Mcfd)	v GOR (Cubic Fo	eet/ Fluid	
									·			
)² =	:	(P _w)² =	= :	(OPEN FL		ERABILITY) % (P.	CALCUL + (14.4 -		:	(P_) (P_)) ² = 0.207) ² =	
(P _c) ² - (P or (P _c) ² - (P		$ (P_c)^2 - (P_w)^2 $ $ (P_c)^2 - (P_w)^2 $ $ (P_c)^2 - (P_w)^2 $ $ (P_c)^2 - P_a^2 $		LOG of formula 1. or 2. and divide	LOG of formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antild (Mcfd)	og
					· · · · · · · · · · · · · · · · · · ·							
										<u></u>		
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia					_	
	-	-	on behalf of the	· ·		-			OVEMBER	rt and that he ha	as knowledge of, 20	_•
		Witness	(if any)					roevi	Ford	company		_
		For Com	mission						Chec	ked by		
										-		

NOV 2 9 2012

	KCC WICHITA					
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator BEREN CORP.					
	oing pressure information and statements contained on this application form are true and					
_	of my knowledge and belief based upon available production summaries and lease records					
of equipment insta	llation and/or upon type of completion or upon use being made of the gas well herein named.					
	est a one-year exemption from open flow testing for the HOWLAND 2					
jas well on the gro	ounds that said well:					
(Check	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					
_	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.					
	Signature: Beth Blegn 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.