KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				6	See Instruct	ions on Re	verse Side)				
Open Flow			Test Date:				ADI	No. 15	_	/n 6n			
Deliverabilty					11/30/11			047-20182-0000					
Company	V COF	 RPC	RATION				Lease SMITH	 WOOE)		1 V	Vell Number	
County Location EDWARDS C NE SE				Section 12		TWP 26S			W)	Acres Attributed N/A			
Field WIL POOL EXT				Reservoir CHER(OKEE SD	/MISS	Gas		hering Conn	ection		_	
Completion Date 10/17/1975				Plug Back 4588	k Total Dept	h	Packer Set at NONE						
Casing Size Weight 5.5 15.5			nt	Internal Diameter 5.012			Set at 4616		rations 4	то 4366			
Tubing Size Weight			Internal C	Diameter	Set at		Perforations OPEN		То				
2.375 4.7			1.995	- 0					Traveling Plunger? Yes / No				
Type Completion (Describe) SINGLE GAS				ÖIL & ¹			PU			-			
Producing Thru (Annulus / Tubing) CASING				% 0 0.183	arbon Dioxi	de	% Nitrogen 2.931			Gas Gravity - G _e 0.6518			
Vertical E	Depth(H	l)					sure Taps				•	tun) (Prover) Siz	ze
N/A			44.	120	44 0	N/A		44	1/20		N/A	<u> </u>	
Pressure	Buildu	•	Shut in								11 at 9:30 ar		•
Well on L	_ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
	,				<u>.</u>	OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n_24Ho	ours
Static / Orifice Dynamic Size Property (Inches			Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature		Casing Wellhead Pressure		Tubing ad Pressure	Duration	Liquid Produced	
		-	Prover Pressure in psig (Pm) Inches H		t	t	$(P_u) \propto (P_t) \propto (P_a)$ psig psia		(P _w) or (P _t) or (P _e) psig psia		(Hours)	(Barrels)	
Shut-In						·	55	69			24		
Flow													
			•			FLOW STR	EAM ATTR	IBUTES		.	1		
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension	Gravity Factor F _s		Temperature Fac		iation Metered Flo		w GOR (Cubic Fe Barrel)	Flowin Fluid Gravit G _m	
1			÷	•	(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS	<u> </u>	(P _s)	= 0.207	
(P _c) ² =		<u>.</u> :_	(P _*) ² :		P _d =		% (1	P _c - 14.4) +	14.4 = _	:	(P _d)		
$(P_g)^2 - (P_g)^2$ or $(P_g)^2 - (P_g)^2$		(F	P _c)²- (P _w)²	1. P _a ² -P _a ² 2. P _a ² -P _a ² divided by: P _e ² -P _a	1. P _a ² -P _a ² 2. P _a ² -P _a ² 1. or 2. and divide		Šlo	Backpressure Curve Slope = "n" Assigned Standard Slope		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				ander by: 1 c 1 a	·	<u> </u>							_
											<u> </u>		_
Open Flow Mcfd @ 14.65 psia						Deliveral	Deliverability Mcfd @ 14.65 psia						
		-	·		-		•				ort and that he ha		
the facts	stated t	herei	in, and that s	aid report is tru	e and correc	t. Executed	this the 8	//	day of	December		, 20 <u>11</u>	<u> </u>
			Witness	(il any)					<u> IWOY</u>	For	Company RE	CEIVED-	
			For Com	mission		·····				Che	cked by DEC	0.9 2011	

KCC WICHITA

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 SMITH-WOOD 1
gas well on the grounds that said well:
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: December 8, 2011
Signature: Add Addy 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.

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