KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		•		(See Instruct	tions on Rev	erse Side	e)					
	en Flo				Test Date	9 :				No. 15	•			
	liveral	outy			8-2&3-2	013			15-	155-20552-0				
Company HERMA		.OEI	B, LLC.				Lease BLOCKE	:R			#3	Well N	umber'	
County RENO			Locati C NW S		Section 19		TWP 25S	(4	RNG (E/	W)		Acres	Attributed	
Field FRIEND	SHIP	ı			Reservoi MISSIS			X		nering Conne				
Completic 6-7-1991		te			Plug Bac 3744	k Total Dept	th		Packer S NONE	et at				
Casing S 4.500	ize		Weigh 10.50		Internal I	Diameter	Set at 4060		Perfor	rations 7	то 3580			
Tubing Si	ize		Weigh	t	Internal [Diameter	Set at 3249		Perfo	ations	То			
Type Con	•	n (D	escribe)		71	d Production	n		Pump Un	it or Traveling	Plunger? Yes	/ No		
Producino ANNUL		ı (An	nulus / Tubin	3)	•	Carbon Dioxi	de		% Nitrog	en	Gas G	avity -	G _g	
Vertical D		H)				Pres	sure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildu	 .:	Shut in 8-2	2	0_13 at 8		(AM) (PM)	Taken_8-	3	20	13 _{at} 8		(AM) (PM)	
Well on L			Started2											
						OBSERVE	D SURFACE	DATA	· · · · · · · · · · · · · · · · · · ·		Duration of Shut	-in	Hour	
Static / Dynamic Property	Orif Si: (incl	ze	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-In -			poig (/ iii)	110100 1120			95ig 310	psia	psig	psia	24			
Flow														
						FLOW STR	EAM ATTRI	BUTES	1				1	
Coeffied (F _b) (F	Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension √ P _m xh	Grav Fac F	tor Temperature		Deviation Factor F _{pv}		Metered Flov R (Mcfd)	v GOR (Cubic Fo Barrel)		Flowing Fluid Gravity G _m	
			·				· · · · · · · · · · · · · · · · · · ·							
					•	• •	ERABILITY)					1 ² = 0.2		
(P _c) ² =		_:	(P _w) ² =				% (P _c	- 14.4) +	14.4 =	:	. (P _d	1 ² =		
(P _c) ² - (I		. (F	P _c) ² - (P _w) ²	1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slope Assi	sure Curve = = "n" or gned rd Slope	n x I	og	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)	
				divided by: $P_c^2 - P_w^3$	by:		Standa						· ,	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	ia		
		•	•				•			•	rt and that he ha		vledge of 20 13	
ne racis S	iai e u 1	uiere	iii, aiiu iiial Se	aid report is true	and correc					<i>U</i>	1. ~	,		
			Witness (i	f any)		KANSAS C	RECEIVED ORPORATION	COMMISS	SION -	For	ompany			
			For Comm	ission			AUG 20	2013		Chec	ked by			

CONSERVATION DIVISION WICHITA, KS

ł	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	npt status under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC
	that the foregoing pressure information and statements contained on this application form are true and
	ect to the best of my knowledge and belief based upon available production summaries and lease records uipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	hereby request a one-year exemption from open flow testing for the BLOCKER
	vell 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
	further agree to supply to the best of my ability any and all supporting documents deemed by Commission
ı	ration agree to supply to the boot of my ability and all supporting accommon by commission
	as necessary to corroborate this claim for exemption from testing.
staff	as necessary to corroborate this claim for exemption from testing.
staff	
staff	as necessary to corroborate this claim for exemption from testing.
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staff	as necessary to corroborate this claim for exemption from testing.
staff	as necessary to corroborate this claim for exemption from testing.
staff	as necessary to corroborate this claim for exemption from testing. 8-15-13 Signature:
staff	as necessary to corroborate this claim for exemption from testing. 8-15-13

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.

RECEIVED

KANSAS CORPORATION COMMISSION