KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t;				(See Instruc	tions on Rev	erse Side))				
□ Op	en Flo	w			Toot Date				۸۵	I No. 15			
De	eliverab	ilty			Test Date	14				5-20661- <i>60</i>	00		
Company Horseshoe Operating, Inc.					7 / -	Lease Sinsbaugh			,	,	2	Well Number	
County Hamilton	ີ່າ*		Locati C NW/4		Section 17		TWP 22S	 ,.	RNG (E 41W	AW)		Acres Attributed	
Field and Bradsha					Reservoi Winfield		_		Gas Ga Oneok	thering Conne	ection		
Completic 10-23-99		е			Plug Bac 2738'	k Total Dept	th		Packer	Set at			
Casing S 4.5	ize		Weigh 10.5	t	Internal I 4.000	Diameter	Set at 2730		Perfe 27 0	orations)4'	то 2718'		
Tubing Si 2-3/8	ize		Weigh 4.7	t	Internal [2.000	Diameter	Set at 2720		Perf	orations.	То		
Type Con Single -		n (D	escribe)		Type Flui Water	d Production	n	·		nit or Traveling Unit - Rod	Plunger? Yes	/ No	
Producing Annulus	_	(Anı	rulus / Tubing	i)	% C	arbon Dioxi	de		% Nitro	gen	Gas G	ravity - G _g	
Vertical D	-	1)			- 1,4 - 1		sure Taps ge		 	· <u></u>	(Meter 2"	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in	7-17 2	o/4at/	1:30	(AM) (PM)	Taken	7-	18	14 at 11.2	30 (AM)(PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
िक्षा स्व	is (OBSERVE	D SURFACE		<i>,</i>		Duration of Shut	in 24 Hours	
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H,0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead F (P _w) or (P ₁ psig	ressure	Wellfu	Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-in	.50	0					,	49	poig	poid	24		
Flow			_						<u></u>				
 -						FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient p)	Pro	Circle one: Meter or ver Pressure psia	Press Extension P _m xh	Grav Fact F _s	tor 1	Flowing Femperature Factor F _{I1}	Fa	iation ector = pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravita	
								<u> L :</u>					
(P _c) ² =		_:	(P _w) ² =_	:	(OPEN FLO		ERABILITY) % (P,	CALCUL - 14.4) +		:	(P _a)	² = 0.207 ² =	
(P _c) ² - (F	P _a) ²	(F	' _c)²- (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2 - P.2	Šlope Assi	sure Curve == "n" or igned rd Slope	n v	гое	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
.1					47.1								
Open Flor	 w_		L	Mcfd @ 14,	65 psia			ity -	 _		Mcfd @ 14.65 ps	ia	
				behalf of the		t. Executed	this the	<u>36</u>	o make the	lugy	t and that he ha	as knowledge of , 20	
			Witness (if				Received RPORATION COM			For Q	ompany		
			For Commi	ssion		AUI	G 2 9 201	n		Check	ked by		

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 Horseshoe Operating, Inc.
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 Sinsabaugh #2
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: $8-26-14$
Signature:

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.

AUG 23 2013