KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				('See Instruct	tions on Reve	erse Side	9)					
_ Op	oen Flo	N												
De	eliverab	ilty			Test Date	7				No. 15 -071-2073 (0-0000			
Company		Oper	ating, Inc).		Lease Wear					····	Well Number		
County			Locati		Section		TWP		RNG (E	/W)		Acres Attrib	uted	
Greele	у		C NE		15		178		40W		·			
Field Bradsh		<u></u>			Reservoi Winfiel	d			DCP M	thering Conne lidstream	ection			
9-28-20	000	3			Plug Bac 3022	k Total Dept	th 		Packer	Set at		······		
Casing S 4.5	Size		Weigh 10.5	rt .	Internal (4.052	Diameter	Set at 3020			rations 9-44;61-70	то 2980-1	38	(PM) (PM) _Hours	
Tubing Size 2.375			Weight		Internal Diameter		Set at		Perfo	orations	То	То		
	malatics	/Dod	4.7		2.0000		3001		Dump II	ait or Travelina	Dhinger? Voc	/ No		
Type Completion (Describe) Single Gas					Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes					
	g Thru	(Annı	ılus / Tubinç	3)	% C	arbon Dioxi	de		% Nitrog	j en	Gas Gr	avity - G _o		
Casing														
Vertical D	Pepth(H)					sure Taps				(Meter F	Run) (Prove	r) Size	
Flange Pressure Buildup: Shut in 1-8 20/3 at 9:45 (AM) (PM) Taken 1-9 20/3 at 9:45 (AM) (PM)														
Pressure	Buildu						_					_	(PM)	
Well on L	.ine:	S	larted	2	0 at		(AM) (PM) 1	aken	 -	20	at	(AM)	(PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24	_Hours	
Static /	Orifle		Circle one: Meter	Pressure Differential	Flowing	Well Head	Casin Weilhead P	-		Tubing ead Pressure	Duration	Liquid Pro	duced	
Dynamic Property	Size (inche	16	Prover Pressu	ire in	Temperature t	Temperature t	(P _w) or (P _t)		(P _w) c	r (P _t) or (P _c)	(Hours)	(Barre		
Shut-In	1.0	0	psig (Pm)	Inches H ₂ 0			psig	7.5	psig	psla	24			
Flow				` ;				1 -	<u> </u>					
L					l	FLOW STR	EAM ATTRIE	UTES						
Plate	,	c	incle ons:	Press			Flowing	T		M 1		FI	owing	
	Coeffiecient		leter or or Pressure	Extension	Grav Fact	or T	Temperature F		viation Metered Flow actor R		v GOR (Cubic Fe	et/ F	Fluid	
	(F _b) (F _p) Pro		psia	√ P _m xh	F		F _{ff}		F _{pv} (Mcfd)		Barrel)		G _m	
									•					
					ODEN SI	NAV (DEL IVI	ERABILITY)	CALCIII	ATIONS	ł				
(P _c) ² =		_:	(P _w) ² =	:	P _d =	9	-	- 14.4) +			(P _a) ²	² = 0.207 ² =		
(D.)2 (F		(5.)	1.	Choose formula 1 or 2	: [Backpress	ure Curve	T	Г		Open F	low	
or		(P _c)	²- (P_)²	1. P _c ² -P _a ²	LOG of formula 1. or 2.		Slope = "n"		_ n x LOG		Antilog	Deliveral	bility	
(P _c) ² - (F) ²			2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	and divide	P.2- P.2	Assign Standar			<u>[</u>]		Equals R x (Mcfd		
					 	<u> </u>	- 						-	
					-									
					1		<u> </u>					<u> </u>		
Open Flov	N			Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14.65 psi	a	····	
The u	ındersiç	ined a	authority, on	behalf of the	Company, s	tates that he	e is duly auti	norized t	o make t	he above repo	yt and that he ha	s knowledg	e of	
the facts st	lated th	erein,	and that sa	id report is true	and correct	. Executed	this the	<u>3</u> _	day of(loul		, 20 /	/3	
				•					 	P	alora		<i>→</i>	
			Witness (if	any)		RECEIV	/ED	A	enic	e Ni	tomosny (
					KANSAS		ON COMMISSI	ION (/		, si ,	· · · · · · · · · · · · · · · · · · ·			
			For Commi	ssion		400 4				Chei	cked by			

APR 1 1 2013

CONSERVATION DIVISION WICHITA, KS

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
	nder Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	egoing pressure information and statements contained on this application form are true and
	st of my knowledge and belief based upon available production summaries and lease records
	tallation and/or upon type of completion or upon use being made of the gas well herein named.
	uest a one-year exemption from open flow testing for the Wear #2
gas well on the	grounds that said well:
/Cha	k one)
(Criec	is a coalbed methane producer
L	is cycled on plunger lift due to water
<u> </u>	is a source of natural gas for injection into an oil reservoir undergoing ER
<u> -</u>	is on vacuum at the present time; KCC approval Docket No
<u> </u>	is not capable of producing at a daily rate in excess of 250 mcf/D
<u>\\</u>	13 Flot capable of producing at a daily rate in excess of 200 fficire
	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
Date: 4-3-/	3
	Signature:Ripley
	Title: Production Assistant
	•

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.