KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:					(See Instruc	ctions on Re	verse Side	e)			
o	pen Fl	ow										
D	elivera	bilty			Test Dat) 2				PI No. 15 5-20634-000	00	
Compan			·		0 1	· ·	Lease			0 2000 1 000		Well Number
		pera	iting, Inc.				Hazlett				2	TYCK ITGINOSI
County			Loca	tion	Section		TWP		RNG (F	-/W)		Acres Attributed
Hamilto	'n		C NE/	4	22		21\$		41W			640
Field Bradsha	aw				Reservo Winfield					thering Conn //dstream	ection	
Complete 4-29-97		te			Plug Bad 2834'	k Total Dep	oth		Packer	Set at		
Casing 5 4-1/2"	Size			Weight Internal Diameter Set at Perforations To 11.6 4.000 2834' 2817' 2823								
Tubing S	ize	_	Weig	ht		Diameter	Set a			orations	To	
2-3/8			4.7		2.000		282	5'				
Type Cor Single			escribe)		Type Flu Water	id Productio	n			nit or Traveling - Rod	Plunger? Yes	/ No
		ı (An	nulus / Tubir	ng)	% (Carbon Diox	ide		% Nitro	gen	Gas G	ravity - G
Annulus											<u> </u>	
Vertical E	Depth(H)				Pres Flan	sure Taps ge				(Meter 2 "	Run) (Prover) Size
Pressure	Build	ıp:	Shut in	2-8	12 at	1:15	(AM) (PM)	Taken	2	920,	12 at 93	(AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			1			OBSERVE	D SURFACE	E DATA			Duration of Shut	in 24 Hours
Static /	Orit		Circle one: Meter	Pressure Differential	Flowing	Well Head	Casi Wellhead	-		Tubing ead Pressure	Duration	Liquid Produced
Dynamic Property	Si: (inct		Prover Press	uro in	Temperature t	Temperature t	(P _w) or (P			x (P _t) or (P _a)	(Hours)	(Barrels)
Shut-In	.62	5	psig (Pm)	Inches H ₂ 0			bo0	psie	psig	psia	24	-
Flow					<u> </u>					-		
<u></u>			<u> </u>		<u> </u>	FLOW STR	EAM ATTRI	BUTES			•	_i
Plate			Circle one:	Press	0		Flowing		- 41		000	Flowing
Coeffieci	ient	D	Meter or ver Pressure	Extension	Grav Fact	tor 1	îemperature	Devi	ation ctor	Metered Flow R	GOR (Cubic Fe	et/ Fluid
(F _b) (F _c Mote		PIO	ver Pressure psia	. √ P _m xh	F		Factor F ₁₁	F	pv	(Mcfd)	Barrel)	(Gravity i
,					 							
			-		(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			= 0.207
(P _a) ² =		_:	(P _w) ² =	<u> </u>	P _d = .		% (P,	- 14.4) +	14.4 =	<u> </u>		2 =
(0.)2 (5	, , ,			Choose formula 1 or 2			T	sure Curve		Γ٦		Open Flow
(P _e)≇ - (F or	- J	(1))²- (P_)²	1. P.2.P.2	LOG of formula	i I	Slop	e = "⊓" ∩	пx	LOG	Antilog	Deliverability
(P _e)*- (P	' _a)*		i	2, P ₂ · P ₃ 2	1. or 2. and divide	P.2.P.2		igned rd Slope				Equals R x Antilog (Mcfd)
				divided by: P*-P*	by:		Sterroa	на эюре				
					<u> </u>							
										f		
Open Flow	V			Mcfd @ 14.6	35 psia		Deliverabii	ity		,	Acfd @ 14.65 psi	a
The u	ndersi	gned	authority, or	behalf of the	Company st	tates that he	is duly aut	hosized to	make th	ezebove renor	t and that he ha	s knowledge of
						•		1/2	/	Turi O		20/2
	alou (f	orein	, and that sa	id report is true	and correct	. Executed	ins the	<u>**</u> 0	ay of <u>L</u>	mus.	- 1	20/
					į	RECEIV	ED		ani	re Ri	pley	
			- Witness (if	any)		NDD 4 0	2012	7		For C	mpany	
	·		For Commi	ssion		<u> 18 18 18 18 18 18 18 18 18 18 18 18 18 </u>	PAIR _		 -	Check	ed by	·

KCC WICHITA

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	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 Horseshoe Operating, Inc.
and that the foregonet to the best of equipment insta	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 llation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the Hazlett #2
	· ·
(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
	to supply to the best of my ability any and all supporting documents deemed by Commissio to corroborate this claim for exemption from testing.
Date: 4/16/13	
	Signature: <u>Janice Ripley</u>
	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.