KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruct	ions on Reve	rse Side)					
Op	en Flo	w							ADI	No. 15				
Deliverabilty					7-7-/					-20 6 20-00	-00			
Company		Ope	erating, Inc			<u></u>	Lease Doyle				2	Well Numbe	3ľ	
County Hamilton			Location C NW/4		Section 21			TWP 23S		W)	Acres Attributed 480		outed	
Field Bradshaw			· · · · · · · · · · · · · · · · · · ·			Reservoir Winfield			Gas Gathering Co Oneok Field S		ction vices			
Completion Date 10/15/97				-	Plug Bac 2506	Plug Back Total Depth 2506			Packer Set at					
Casing Size 4.5			Weight 10.5	Internal 0 4.052	Internal Diameter 4.052		Set at 2506		rations 6	то 2486				
Tubing Size 2.375			Weight 4.7		Internal Diameter 2.000		Set at 2484		Perforations		То			
Type Completion (I Single - Gas			escribe)		Type Flui Water	Type Fluid Production Water		1		Pump Unit or Traveling Plunge Pumping Unit % Nitrogen		per? (1997) No Rod		
			nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	erl C	Gas Gr	avity - G		
Vertical D	NU		<u>5</u>				sure Taps				/Motor I	Run) (Prove	eri Siza	
vertical L	рерипи	יי	Shut in				ange				,	2"		
Pressure	Buildu	rp:	Shut in	<u>3-6_</u> 2	10 <i>12</i> at _1	11:50	(AM) (PM) 1	Taken	_3	20/	12 at //;.	50 (AM)	(PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM)) (PM)	
			Circle one:		1	OBSERVE	D SURFACE			Т	Duration of Shut-	in <u>24</u>	Hours	
Static / Orifice Dynamic Size Property (Inches		:e	Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H _s 0	Flowing Well Head Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P ₅) psig psia		Tubing Wellhead Pressure (P ₊) or (P ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.50	0	\$2.5 (1.11)				40	psia	parg	ры	24			
Flow														
						FLOW STR	EAM ATTRI	UTES						
Plate Coefflecient (F _b) (F _p) Mcfd		Pro	Circle one: Moter or Prover Pressure psia Press Extension P _m x h		Gravity Factor F _B		Flowing emperature Factor F _{it}	nperature Factor F		Metered Flow R (Mcfd) .	(Cubic Fe	et/	Flowing Fluid Gravity G _m	
(P _c) ² =		_:	(P _w) ² =_	:	(OPEN FLO	-	ERABILITY) 6 (P	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207 ² =		
(P _e) ² - (F or (P _e) ² - (F	? _•)²	(F)2 - (P_,)2	1. P. 2 - P. 2 2. P. 2 - P. 2 wided by: P. 2 - P. 4	LOG of formula. 1. or 2. and divide	P,2.P,2		e "n" pr gned	nx	roe	Antilog	Open Delivers Equals R : (Mcf	ability x Antilog	
Open Flow Mcfd @ 14.65 psia				65 psia	a Deliverability			Mcfd ● 14.65 psia						
			l authority, on		-	. Executed	this the	harized t	o make the day of _	Upri	rt and that he ha		ge of 12.	
			Witness (if (uny)		-RECE	_	7	/	For Q	Empany /			
			For Commis	sion		TAPR 1	8 2012-			Chec	ked by			

	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt st	tatus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	the foregoing pressure information and statements contained on this application form are true and
	the best of my knowledge and belief based upon available production summaries and lease records
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	eby request a one-year exemption from open flow testing for the Doyle 2
	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 furth	ner agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ne	ecessary to corroborate this claim for exemption from testing.
Date: 4/	116/12
Daie	
	Signature: Janice 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.