KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				((See Instruc	tions on Rev	erse Side	9)					
Op	pen Flo	W			Test Date	a			ΑÞI	No. 15				
Deliverability				7-/8-		15-075-206020000								
Company Horseshoe Operating, Inc.					•	Lease Eldon				Well Number 1				
County Hamilton			Location NE/NE		Section 12		TWP 23S		RNG (E/W) 41W		Acres Attributed 320		ttributed	
Field Bradsh	aw				Reservoir Winfield					thering Conn fidstream				
Completi 6-23-19	on Dat	e	_		Plug Back Total Dept 2561		th		Packer		<u></u>			
Casing S		Weight 10.5			Internal Diameter 4.0000		Set at 2567		Perforations 2525		To 2534			
Tubing S 2.375	iz e		Weigh 4.7	<u> </u>	Internal Diame				Perforations		То			
		n (Describe)			Type Fluid Production Water				Pump Unit or Traveling F		Plunger? Yes / No			
Producing	g Thru	(Annulus / Tubing)				Carbon Dioxi	ide	e %		jen	Gas Gravity - G			
Casing Vertical D		<u>. </u>				Pres	sure Taps		_		(Meter i	Bun) (Pr	over) Size	
2573						Flan	ge						·	
Pressure	Buildu	p: :	Shut in	7-17 2	0 /4 at _	8:08	(AM) (PM)	Taken	7-18	20	14 at 8:6	00 /	AM)(PM)	
Well on L				s	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
			,	· · · · · · · · · · · · · · · · · · ·		OBSERVE	D SURFACE	DATA		·	Duration of Shut-	in_d	4_Hours	
Static / Orlfice Dynamic Size Property (Inches		Meter Pressure		Pressure Differential	I Flowing Well He Temperature Tempera		I Waliband Rracquia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)				l Produced Barrels)	
Shut-In	.75		psig (Pm)	Inches H ₂ 0	t	t	psig	psla	psig	psia	24	-		
Flow	1./~	<u>U</u>		 			703		1		37	├-		
		_				FLOW STE	REAM ATTRI	BUTES					_	
Plate . Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension ✓ P _m xh	Gravity Factor F ₀		Flowing Temperature Factor F _{ft}		viation actor F _{pv}	Metered Flor . R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
		_					<u> </u>	 	_	,				
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUI	LATIONS		(P ₋)	²= 0.20	07	
(P _c) ² =		<u>_:</u> _	(P _w) ² =	<u>:</u>	P _d =		% (P	- 14.4) 4	+ 14.4=_	:	(P _d)			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o)²- (P _w)²		Choose famula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1. of 2, and divide	P _c ² -P _w ²	Slop	Backpressure Curve Slope = "n" Assigned Standard Slope		roe	Antilog	Dell Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	_													
Onen Ele		_	L	Net 8 14	SE sels		Dali bi				Mold @ 14 FE pc			
Open Flor				Mcfd @ 14.	•	•	Deliverabi				Mcfd @ 14.65 ps		1a.da: -*	
				i behalf of the				thorized	to make to day of _	lugu	ort and that he ha	s know	ledge of 20 <u>/4</u> .	
<u>. :</u>		-	Witnesş (if	any)				1		F	Company			
			For Commi	ssion.		F Kansas cor	Received _	MISSION		Che	cked by			

AUG 2 9 2014

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 Eldon #1 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
Signature: <u>Janice Ripley</u> Title: <u>Hroduction Assistant</u>

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.