KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Te	st:					(See Instru	uctions on R	everse Sid	(e)				
)pen Fla	w											
Deliverabilty				Test Date:			API No. 15 15-071-200150(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
Compos		<u> </u>			377				18	5-U/1-2001	50000		
Company Horseshoe Operating, Inc.						Lease Edmun			Well Number 1				
County Location Greeley C NW/4				Section 27		TWP 19S			RNG (E/W) 40W		Acres Attributed		
Field Bradshaw				Reservo		Gas Gathering Con				···	<u> </u>		
Completion Date			·	Plug Ba	pth	DCP Midstre Packer Set at			m · · ·				
2/7/73 Casing Size Weight			-	2902	Diameter	Set	None Set at Perf		orations	To			
4.5 10.5 Tubing Size Weight				4.09			2905		30	2890	2890 To		
2.375 4					Internal Diameter 1.995		290	Set at 2900		Perforations			
Type Cor Single	mpletion Gas	(Describe)		•	Type Flu Water	on	Pump Unit or Trave			eling Plunger? Yes / No			
Producin		Annulus / Tul			% (Carbon Dio	xide	· · · · · · · · · · · · · · · · · · ·	% Nitro	gen	Gas G	ravity - G	
Vertical E		<u>vuiu</u>				Pæ	ssure Taps		 		(Meter	Run) (Prov	ver) Size
2874	-		. 5	0	11	F/1	ange		<u> </u>	<i>a</i>		<u>3" </u>	
Pressure	•				0 <u>//</u> at_		_ (AM)(PM)	Taken		9	11 at 8:0	<u> </u>	(PM)
Well on L	ine:	Started		20	0 at		_ (AM) (PM) _	Taken		20	at	(AI	M) (PM)
•	· ·		. -	· ·		OBSERVI	ED SURFAC	E DATA			Duration of Shut	-in_3	Hours
Static / Dynamic	Orifica Size	Size Meter Prover Pres psig (Pri		Pressure Differential in	Flowing Temperature	Well Head Temperature	Wellhead	Casing /elihead Pressure		Tubing and Pressure	Duration	Liquid Produced	
Property	(Inches			Inches H ₂ 0	t	t	(P _w) or (F	psia	(P _m) o	r (P _t) or (P ₆) psla	(Hours)	(Bai	(Barrels)
Shut-In	.62	5			Seg.			90.		- 	24	ن	
Flow				i		<u> </u>			<u>. </u>			<u> </u>	
						FLOW ST	REAM ATTR	IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Mater or Prover Pressure psia		Press Extension	Fact	Gravity Factor		Fa	viation Metered Flor actor R F _p , (Mcfd)		GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G
											- 		
					(OPEN FLO	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P.)	²= 0.207	
P _e)² =		(P _w) ²	,	:	P _d = .		% (F	_e - 14.4) +	14.4 =	:	(Pa)		
(P _s)2 - (P) ²	(P _c)²- (P _w)²		ee formula 1 or 2:	LOG of formula		Backpressure Cun Stope = "n"		n x i	Log		Open Flow Deliverability	
(P _a)*• (P	a)2			. P ₆ 2-P ₆ 2 easy: P ₆ 2-P ₆ 2	1, or 2. and divide by: p 2 p 2		Assigned Standard Slope		.]		Antilog Equals R x / (Mcfd)		x Antilog
<u> </u>													
Open Flow	<u>, </u>			Mcfd @ 14.6	5 psia		Deliverab	ility			Mcfd @ 14.65 psi	a	
The u	ndersign	ed authority,	on be	half of the C	Company, st	lates that h	e is duly au	uthorized to	make th	e above repor	nt and that he ha	s knowled	ge of
e facts sta	ated ther	ein, and that	said n	eport is true	and correct.	. Executed	this the	<u> </u>	day of	Jun	2	, 20	<u>//_</u> .
	 .	Witness	(if amy)	<u> </u>			_	<u> </u>	ani	ce k	ipley	- RFC	:FI\/e n
_	-	For Com			·	·	_	. /		rorc	()		1 0 00
										Chec	ked by **	JUN	1 0 ZU

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt stat	tus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the	e foregoing pressure information and statements contained on this application form are true and
correct to th	ne best of my knowledge and belief based upon available production summaries and lease records
	nt installation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby	y request a one-year exemption from open flow testing for the Edmun 1
gas well on	the grounds that said well:
,	Charle and
ť.	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
	To not supusio of processing at a daily rate in onesce of 200 mon2
l further	agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nece	essary to corroborate this claim for exemption from testing.
Date: <u>6</u>	-8-11
	Signature: <u>Production</u> 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.