KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			•	(8	See Instructi	ions on Reve	rse Side,)					
Оре	Open Flow Test Date:							API	No. 15				
Deliverabilty				9-11-	9-11-13 075-20603-00-00								
Company Horseshoe Operating, Inc.				Lease Jantz				. 1			Well Number		
County Location			Section 5				RNG (E/W) 40W			Acres Attributed			
Hamilton SE SW			<u></u>	Reservoir		233	Gas Gathering Conne			ction		`	
Bradshaw				Winfield		h	DCP Midstrear						
Completion Date 6/17/96		<i>V</i>	Plug Back Total Dept 2562'			f1 -							
asing Size .5"		Weight 11.6	•		Internal Diameter 4.000		Set at 2569'		rations 1' - 2559'	То			
ubing Siz				Internal D 1.995	Diameter	Set at 2559'		Perforations		То			
Type Completion (Describe) Single - Gas				Type Fluid	1	Pump Unit or Traveling Pump Unit - Rod			Plunger? Yes / No				
Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitrog		Gas Gravity - G _g			
Annulus		·	· · · · · · · · · · · · · · · · · · ·										
/ertical Depth(H)				Pressure Taps Flange						(Meter I 2"	(Meter Run) (Prover) Size 2"		
ressure	Buildup:	Shut in	9-10 2	0/3 _{at} _/	1:45	(AM) (PM)	aken	9-	//	/3 _{at_/.'4}	5 CAME	M	
Vell on Li	ne:	Started	20) at		(AM) (PM) 1	aken		20	at	(AM) (P	M)	
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in 241	Hours	
Static / Dynamic	Orifice Size	Circle one: Meter Prover Pressure	Pressure Differential in	Flowing Temperature	Well Head Temperature	I Wallhaad Praccura		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Property	(inches)	psig (Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia	(1,00.0)	(==::::)		
Shut-In	.625)				40				24			
Flow					EL 014 0 E								
Diete		Circle one:				Flowing					Flow	ina	
Plate Coefficcient		Meter or	Press Extension	Grav Fact	tor	Temperature		ation ctor	Metered Flow R	(Cubic Fe	et/ Flui	id	
(F _b) (F _b	o' 1	Prover Pressure psia P		F _s	1 ,	Factor F ₁₁	F	F _{pv} (Mcfd)		Barrel)	G,		
			· . ·				<u></u>						
.)5 —		(P _w) ² =		(OPEN FLO	• •	ERABILITY) % (P.	CALCUL - 14.4) +		•	(P _a)	² = 0.207 ² =		
o ^c) ₅ =	 -	Ci	hoose formula 1 or 2			Backpress			 	(d/	Open Flow	N	
(P _c) ² - (F	P _a) ²	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$		LOG of formula		Slope = "n"		n x LOG		Antilog	Deliverability		
(P _c) ² - (F	P _d) ²	2. P _c ² - P _d ² . divided by: P _c ² - P _w ²		1. or 2. and divide p2. p2 by:		Assigned Standard Slope					Equals R x Antilog (Mcfd)		
				1					\$.				
Open Flow Mcfd @ 14.65 psia .							Deliverability			Mcfd @ 14.65 psia			
The u	ındersigne	ed authority, on	behalf of the	Company, s	states that h	e is duly aut	norized to	make t	he above repor	t and that he ha	s knowledge	of_	
e facts st	ated there	ein, and that said	d report is true	and correc	t. Executed	this the	9	day of _	I loven	July 1	, 20 _/	<u>.</u>	
•		Wilmann fit	anul .					an	CCC For Co	plei	7		
		Witness (if a	ury)					<i>(</i> /		J. Party	KCC WI	CH	
Y-,		For Commis	sion			_			Check	ked by			

NOV 2 1 2013 RECEIVED

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
orrect to the best of my knowledge and belief based upon available production summaries and lease records
f 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
as 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.
is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
taff as necessary to corroborate this claim for exemption from testing.
$v_{\text{ate}} = 1/-19-13$
\sim \sim \sim \sim \sim
Signature: Ance Ripley
Title: Production Assistant
Title:

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.