KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					((See Instruc	tions on Re	verse Side)			
C	en Flo liverab				Test Date 06/08/2	e: 014 to 06/1	13/2014		AP 07	1 No. 15 '1-20069 -	· 006 0	
Company		Нс	rseshoe	Operation	=		Lease Hunt	•			#1	Well Number
County Greeley		Locati C SE 1	on	Section 20		TWP 17S		RNG (E/W) 40W			Acres Attributed	
Field Bradshaw			·	Reservoir Winfield				Gas Gathering Conn DCP Midstream		ection		
Completion Date				Plug Bac 3042	k Total Dep	th		Packer Set at 3 sets gas vent packers.				
Casing Si	ize	Weight 9.6		t	Internal Diameter 4		Set at 3042		Perforations 2936		то 2997	
Tubing Size			Weigh	t ,	. Internal Diameter 1.995		Set at SN-2916		Perforations		То	
Type Completio Single (Gas)		n (Describe)			Type Fluid Production				nit or Traveling	Plunger? Yes	/ No	
			nulus / Tubing	g) .		Carbon Dioxi	de		% Nitro	gen	Gas G	ravity - G _g
Vertical D	epth(F	l)				Pres Flan	sure Taps ae			_	(Meter 2 inc	Run) (Prover) Size
Pressure	Buildu	p:	Shut in 06/	08 2	0_14_at_5		(AM) (PM)	Taken_06	5/13	20	14 _{at} 6:15 F	
Well on L	ine:		Started	2	0 at					20	at	(AM) (PM)
						OBSERVE	D SURFACE		ı		Duration of Shut	-in 121 Hours
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H,0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_o) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-in	nut-la							168.4	,		121	n/a
Flow												
Plate			Gircle one:	Dress	1 .		Flowing			!		Flowing
Coeffictient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fac F	tor Temperature		Deviation Factor F _{pv}		Metered Flov R (Mcfd)	v GOR (Cubic Fo Barret	eet/ Fluid
P。)² =		٠	/P \2 ~		(OPEN FL	• •	ERABILITY % (F) CALCUL ² c - 14.4) +)² = '0.207)² =
(P _o) ² - (I or (P _o) ² - (I		· (F	P ₀) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _s ² 2. P _c ² - P _d ²	LOG of tormula 1. or 2.		Backpre: Slot	ssure Curve pe = "n" - orsigned		LOG	Antilog	Open Flow Deliverability Equals R x Antilog
	4)			divided by: Pc2 - Pw	and divide by:	P.2 - P.2		ard Slope	- 	F J		(Mcfd)
					 				+		-	
Open Flow			Mcfd @ 14.	Mcfd @ 14.65 psia			Deliverability		Mcfd @ 14.65 psia			
The i	unders	igne	d authority, or	n behalf of the	Company, s	states that h	e is duly au			•	rt and that he h	as knowledge of
ne facts s	tated t	herei	in, and that sa	aid report is true	e and correc	t. Executed	this the 28	3	day of C	October) : 1.	, 20 <u>14</u> .
			Witness (i	f any)					jan	CC Por C	MPCLE OMPRING	Received AS CORPORATION COM
			For Comm	ission			-			Chec	ked by	NOV 1 0 201

	t t t t t t t clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
xempt	status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	t the foregoing pressure information and statements contained on this application form are true and
ė	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Hunt #1
	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
l fui	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
taff as	necessary to corroborate this claim for exemption from testing.
ate: <u>1</u>	0/28/2014
	Signature: Janice Ripley

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.