KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:		V		((See Instruc	tions on Reve	erse Side	e)		,	•		
Open Flow Deliverabilty				Test Date	e: -14	, API No. 15** 071-20790-00-00				o-00				
Company Horseshoe Operating, Inc.				c.		/	Lease Lec					Well	Number	
County Location Greeley C NE/4			ion	Section 27		TWP 17S		RNG (E/W)			Acres Attributed			
Field Bradshaw			O IVE	· /		Reservoir				Gas Gathering Connection DCP Midstream				
Completion 9/14/04	on Da	te		Plug Back Total D 3026			th		Packer S					
Casing S 4.5			Weight 10.5		Internal Diameter 4.052		Set at 3030		Perforations 2926-28			To 2930-32		
Tubing S 2.375			Weight 4.7		Internal Diameter 2.000		Set at 2983		Perforations		T	To 2952-67		
Type Con	Type Completion (De					Type Fluid Productio Water				2936-38 Pump Unit or Traveling Plunge				
Single Producing Thru (Annulus / Tubing)				water % C	de	% Nitrogen			G	Gas Gravity - G				
Vertical E	Pepth(H)				Pres	sure Taps				1)	Meter Run)	(Prover) Size	
2960				4-2	. 14	8.00			4.3		14	8:00		
Well on L													(AM) (PM)	
-+	,					 	D SURFACE		···			f Shut-ins		
Static / Dynamic Property	namic Size operty (Inches)		Circle ane: Meter Prover Pressi		Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration of	on Li	n Hours Liquid Produced (Barrels)	
Shut-In			psig (Pm)	-Inches H ₂ 0	 	<u> </u>	pskg	psia 58	psig	psia	24	<u> </u>	<u> </u>	
Flow			-						† -		<u> </u>			
				1		FLOW STR	EAM ATTRIE	BUTES						
Coeffied (F _b) (F	Plate (h) Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P _m xh	Extension Fact		Flowing Temperature Factor F _{II}	Deviation Factor `F _{pv}		Metered Flow R (Mcfd)	(C	GOR ubic Feet/ Barrel)	Flowing Fluid Gravity G _m	
(P _c) ² =		_:	(P _w)²=	·:	(OPEN FLO	- •	ERABILITY) (CALCUL - 14.4) +		· 		$(P_{\rm g})^2 = (P_{\rm g})^2 = 0$	0.207	
$(P_c)^2 - (P_q)^2$ or $(P_c)^2 - (P_q)^2$		(P _c) ² - (P _w) ²		Choose formula 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, or 2, and divide	P _c ² -P _w ²	Backpressure Slope = "ri		n x l	LOG	Antilog	, .	Open Flow Deliverability Equals R x Antilog (Mcfd)	
											,			
Open Flow Mcfd @ 14.65 psia							Deliverability Mcfd @ 14.65 psia							
				n behalf of the		•	_	15	o make th	e above repo	rt and that	he has kn	owledge of	
_			·				,		Dani	se R	iple	4	, 	
			Witness (I	fany)				U		For C	Coppany		11000	
			For Comm	nolaai						Chei	ked by	NUC	WICHI	

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I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to	o 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	e records
of equipment installation and/or upon type of completion or upon use being made of the gas well herei	n named.
I hereby request a one-year exemption from open flow testing for the Lee 3-27	
gas well on the grounds that said well:	,e
(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
staff as necessary to corroborate this claim for exemption from testing.	•
Date: 4-15-14	
•	
Or in Right	
Signature:	
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.

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