KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:				+	(See Instruc	tions on Rev	erse Side)					
Open Flow					To at Dat	Took Date:			ADI No. 15					
Deliverability					195) Day	1/6/11			API No. 15 15-075-20733-00-00					
Company Horseshoe Operating, Inc.						Lease Lois						Well Number		
County Hamilto		<u>- r -</u>	Location S/2 NE		Section 10		TWP 22S		RNG (E/W) . 40W		Acres Attributed		buted	
Field Bradshaw					Reservoi				Gas Ga	thering Conn				
Completion Date			<u> </u>			Winfield Plug Back Total Dept			DCP Midstr		<u> </u>			
10/14/2000				 	2783 (2783 (TD)						···		
Casing Size 4.5			Weig 10.5	nt 	1nternal (4.052	Internal Diameter 4.052		Set at 2793		orations 7	то 275 5	· · · · · · · · · · · · · · · · · · ·		
Tubing Size 2.375			Weigi 4.70	nt	internal (2.000	Diameter	Set at 2669		Perforations		То			
Type Completion (Describe)						Type Fluid Production			Pump U	nit or Traveling	Plunger? Yes	/ No		
Single -					Water					Pump				
Ann	nlus		nulus / Tubin	g) 	% C	arbon Dioxi			% Nitro(gen		ravity - G		
Vertical D	epth(F	1)				Pressure Taps					(Meter	Run) (Provi	er) Size	
Pressure	Builda	n: i	Shut in	7/5	20 // at _	8:00	ANOM:	Taken /	7/6	20.	// at 8;	00 () (PM)	
Well on L			Started	, -					1		at) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	in 24	Hours	
Static /	t e		Circle one: Matar	Pressure	Flowing Well Head		Casing		Tubing					
Oynamic Size Property (inches		Prover Pressure		Differential in Inches H ₂ 0	Temperature t		Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Wellhead Pressure (P _w) or (P ₁) or (P ₆)		Duration (Hours)		uld Produced (Barrels)	
Shut-In	Shut-In . 50						82	hara	psig	psla	24	-		
Flow														
					<u> </u>	FLOW STR	EAM ATTRIS	BUTES		!!		<u> </u>		
Plate		Circle one:		Press	ss Gravity		Flowing Do		viation Metered Flow		GOR	F	lowing	
Coeffiectent (F _b) (F _b)		Meter or Prover Pressure		Extension	Fact	or T	emperature Factor	perature Fac		R	(Cubic Fe		Fluid 3ravity	
Mcfd		psla		✓ P _m xh	F,		F _{ii}		F _{pv} (Mcfd)		Barrel)		G _m	
					-	OW) (DELIVI	ERABILITY)					² = 0.207		
(P _c) ² =		<u>-:</u>	(P _w) ² =	Choose formula 1 or 2	P,=		6 (P _e	- 14.4) +	14.4 =	:	(P _a)	2 =		
(P _c)² - (P _a)²		(P _c) ² - (P _m) ²		1. P. 2 - P. 2	LOG of		Backpressure Cur Slope = "n"		n x LOG				Open Flow	
(P _e) ² • (P _B) ²				2. P _c ² -P _d ² divided by: P _c ² -P _d ²	" " and divide		P ² -P ² Assig		n x		Antilog	Equals R :	Defiverability Equals R x Antilog (Mcfd)	
	-		-	_				-	-			-		
												<u> </u>		
Open Flow Mcfd @ 14.65 psia						Deliverabili	Deliverability Mcfd @ 14.65 psia							
				behalf of the				1/2	make that a make that	ne above repor	nt and that he ha	s knowledg	10 eq	
			Witness (if	anvi			_		Jane	ice K	pley_			
			For Commi				_	l			<u>'</u>	RECE	VED	
			. V. COMPIE							Unec	ked by			

AUG 1 9 2011

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 Lois #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									
is not capable of producing at a daily rate in excess of 250 mcf/D									
! 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: 8/16/11									
Signature:									

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.