KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			(See Instruc	tions on Re	verse Side	e)				
Оре	en Flow	,		.		a a						
Deliverabilty				Jest Date: 4-3-14					No. 15 -20646 <i> 00</i> (20		
Company Torsesho		erating, Inc.			<u>/l </u>	Lease Sibyl		•		<u> </u>	Well Number	
County Location Greeley NE SE			Section 19		TWP ['] 19S		RNG (E/W) 39W		Acres Attributed			
ield Bradshav	w		Reservoir . Winfield					Gas Gathering Connection DCP Midstream		ction		
Completio 5-21-96	n Date)		Plug Bac 2845'	k Total Dep	th		Packer S	et at			
Casing Size 4-1/2"			Weight 11.6		Internal Diameter 4.000		Set at 2854'		Perforations 2822'		то 2828' *	
ubing Siz 2-3/8"	ze	Weight		Internal (Internal Diameter		Set at 2842'		Perforations 2832'		то 2842'	
Type Com Single -		(Describe)		Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No				
roducing Annulus		(Annulus / Tubi	ng)	% (% Carbon Dioxide			% Nitrogen		Gas Gr	Gas Gravity - G	
Vertical D		,	•		Pres	sure Taps			•	(Meter	Run) (Prover) Size	
Pressure	Buildup	o: Shut in	4-2	20/L/at_	8,00	(AM) (PM)	Taken	4-	3 20 /	14 _{at} 8;	DD (AM) (PM)	
Nell on Li	ine:	Started		. 20 at	at		. (AM) (PM) Taken_		20 _		(AM) (PM)	
		1		•	OBSERVE	D SURFAC		······		Duration of Shut	in 24 Hours	
Static / Orifice Dynamić Size Property (inches		Meler Prover Pres	Differenti sure in	Temperature	Well Head Temperature t	Wellhead Pressure (P_w) or (P_1) or (P_0)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.500		y mones 11	-		psig	psia 72	psig	psia	24		
Flow												
	- 1		<u> </u>		FLOW STE	REAM ATTR	IBUTES					
Plate Coeffieclent (F _b) (F _p) Mcfd		. Circle one: Meter or Prover Pressure psia	Meter or Extension Prover Pressure		vity _	Flowing Temperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Granita I	
		,							•		-	
P _c) ² =		_: (P)²		(OPEN FL P _d =	OW) (DELIV) CALCUI - 14.4) +		·	(P _a) (P _d)) ² = 0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ² 1. P _c 2. P _c divided by:		1 or 2: D 2 LOG of formula 1 or 2, and divide P 2 - P		Backpressure Curv Slope = *n*		7		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					-			-				
Open Flov	<u>_</u>		Metd @ ·	4.65 psia	•	Deliverab	nility		N.	fcfd @ 14.65 ps	ia.	
7		anod outbooks		· · · · · · · · · · · · · · · · · · ·	ototoo that h			m-1:- 11:				
		gned authority, erein, and that					15	day of	e arove report	Cand that he ha	as knowledge of	
								anie	of Ri	plen	KCC WICH	
		Witness	(if any)		, ,	-	7	T INC	For fo	mpany	400	
	4	For Coπ	nmission			_			Check	ed by	APR 17 201	
											RECEIVE	

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 Sibyl
gas well on the grounds that said well:
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
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.