KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(5	See Instruct	ions on Re	verse Side)					
Open Flo	ow .	•	Tank Deter				ADI	No. 15				
Deliveral	oilty	4	, Test Date: - 3 - / 4	1				No. 15 071-20084	-0000			
Company Horseshoe	Operating, Inc.	_ _		*****	Lease Sell	,			A-1	Well Nu	mber	
County Location Greeley C NW		Section 3		TWP 198		RNG (EW) 40W		Acres Attribute 640		Attributed		
^{Field} Bradshaw			Reservoir L. Winfi					ering Conne lidstream	21Ca(#)			
Completion, Date 8/75		Plug Back Total Dept 2900		h	Racker Set at None		et at					
Casing Size Weight 9.5		Internal Diameter 4.09		Set at 2959		Perforations 2862		то 2873				
Tubing Size 2.375			Internal Diameter 1.995		Set at 2886		Perforations		То			
Type Completio Single Gas	n (Describe)		Type Fluid Water	Production	1		Pump Un Yes	it or Traveling I	Plunger? Yes	/ No	-	
Producing Thru Annulus	(Annulus / Tubing)	<u> </u>	% Ca	arbon Dioxid	de		% Nitroge	en · · ·	Gas Gr	avity - C	3,	
Vertical Depth(F 2960	1)			_	sure Taps				(Meter F	Run) (Pi	rover) Size	
Pressure Buildu	p: Shut in	7-2 20	14 at 8	ノ・ハヘ	(AM) (PM)	Taken	4-3	3	4 at 8:0	00	AM) (PM)	
Well on Line:	Started	20) at		(AM) (PM)	Taken		20 .	at	(AM) (PM)	
www.signs			oli, wa ili,	OBSERVE	D SURFAC	E DATA	-		Duration of Shut-	in _ <i>a</i>	Hours	
Dynamic Siz	nic Size Mefer Differential		Flowing Well Head Temperature				Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		ı ·		d Produced Barrels)	
Shut-In .66	35	-			paig	56.4	poig	pom.	24			
Flow				·				<u> </u>				
				FLOW STR	EAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psla Press Extension P _m x h		Gravity Factor F ₉		Flowing emperature Factor F _{it}	Fa	lation ctor : pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
						<u>.</u>			_			
P _c) ² =	_: (P _w) ² =_	:	(OPEN FLO	W) (DĖLIVI 		') CALCUL P _c - 14.4) +		:	(P _a) ⁻ (P _d)	²= 0.2 ²=	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² • (P _w) ²	$ \begin{array}{c} \text{Choose formula 1 or 2:} \\ (P_c)^2 \cdot (P_w)^2 & 1. \ P_c^2 \cdot P_a^2 \\ & 2. \ P_c^2 \cdot P_d^2 \\ & \text{divided by: } P_c^2 \cdot P_w^2 \end{array} $		P ₂ -P ₂	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Deli Equals	Open Flow Deliverability quals R x Antilog (Mcfd)	
							-			1. 1.65	-	
Open Flow		Mcfd @ 14.6)		Delivered	a i libra	.		lete @ 14 SE poi			
· · · · · · · · · · · · · · · · · · ·	gned authority, on			ates that he	Deliverate is duly a	4 11 4	o make th		t and that he ha		ledge of	
e facts stated th	nerein, and that said		and correct.	Executed	this the	3_	day of 📈	Septem	nuev_		20 14.	
	Witness (if a	· ————————————————————————————————————					an	CC / For Co	ripelly	SAS CO	Received	
	For Commiss						/	Check	ved by	-0 C	T 0 2 2	
		-						ŢJU	-,	CUNGE	DI/ATION On	

11. 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	
	rjury under the laws of the state of Kansas that I am authorized to request 2-3-304 on behalf of the operator Horseshoe Operating, Inc.
	nformation and statements contained on this application form are true and
correct to the best of my knowledg	eand belief based upon available production summaries and lease records
	on type of completion or upon use being made of the gas well herein named. cemption from open flow testing for the Sell A-1
gas well on the grounds that said v	•
is cycled on plu is a source of not is on vacuum at is not capable of the further agree to supply to the	ethane producer Inger lift due to water atural gas for injection into an oil reservoir undergoing ER It the present time; KCC approval Docket No of producing at a daily rate in excess of 250 mcf/D It best of my ability any and all supporting documents deemed by Commission this claim for exemption from testing.
Date: 9-3-14	
•	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.

Received RMSVCOPPONTON OWNSSIGN

OCT 82 2014

CONSERVATE WINDUSELY WICHITA, KS