KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			6	See Instruct	tions on Re	verse Side))				
Open Flow		•	Test Date	r:			API N		aaa		
Deliverabilty			4-7-				15-0	71-20084	$\overline{}$		
Company Horseshoe Ope	erating, Inc.				Lease Sell				A-1	Vell Number	
County Location			Section TWP				RNG (E/W)		Acres Attributed		
Greeley C NW			3 19S				40W 640 Gas Gathering Conneglion				
Bradshaw			L. Winfield			DCP Midstream					
Completion Date 8/75			Plug Back Total Depth 2900				Packer Set at None				
Casing Size Weight			Internal C	Diameter	Set at 2959		Perforations 2862		To	то 2873	
4.5			4.09		2959 Set at		Perforations		Z073		
.375 4.7		1.995		2886							
Type Completion (Describe) Single Gas			Type Fluid Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes				
roducing Thru (Ani	nutus / Tubing)		% C	arbon Dioxi	de		% Nitroge	n	Gas Gra	ıvity - G _e	
Annulus Vertical Depth(H)				Pres	sure Taps		·		(Meter F	lun) (Prover) Size	
2960				Flame					3"	<u> </u>	
Pressure Buildup:	Shut in 4	6 2	0 <u>//</u> at	9:00	(AM) (PM)	Taken	4-7	20	11 at 9:0	(AM) (PM)	
Well on Line:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
				000571/5	D CUDEAC	E DATA			Duration of Shut-i	n_24 Hours	
Static / Orifice	Circle one:	Pressure	Flowing	Well Head		sing		bing	l		
Dynamic Size Prover Pressur		Differential in	Temperature t	, i	Wellhead Pressure (P_u) or (P_i) or (P_s)		Wellhead Pressure $(P_{+}) \propto (P_{t}) \propto (P_{s})$		Duration (Hours)	Liquid Produced (Barrels)	
	psig (Pm)	Inches H ₂ 0	•	 	psig	psia	psig	psia	01/		
Shut-In .625	 				 	160.3	<u> </u>	<u> </u>	24		
Flow	<u> </u>	<u> </u>		<u> </u>		<u></u>	J	<u> </u>			
	Circle one:			FLOW STE	Flowing				<u> </u>	Flowing	
Plate Coefficient	Meter or	Press Extension		Gravity Factor		riowing Dev remperature Factor		Metered Flo R	(Cubic Fed	Child	
Mefd P	(F _b) (F _p) Prover Pressure Mcfd psia		P _m xh F,		F _{ft}	F	F _{pv} (Mcfd)		Barrei)	G,	
	·		(OPEN FL	OW) (DELIV	/ERABILIT	r) CALCUL	ATIONS		(P_)	² = 0.207	
P _E) ² =:	(P _w) ² =	<u> </u>	P _d =		% (P _c - 14.4) +	14.4 =	 :	(P _a):		
(P _c) ² · (P _a) ² (I	P _c) ² - (P _w) ²	oose formula for 2 1. P _c - P _s 2	LOG of formula			essure Curve ope ≈ "n"	, n x L			Open Flow Deliverability	
or (P _c) ² • (P _d) ²		2. p2. p2 1. or 2. and divide p2. p2		P,2. P,2	Assigned		-		Antilog	Equals R x Antilog (Mcfd)	
	dM	loted by: P _c ² • P _w	by:	<u> </u>	Stan	dard Slope				(moid)	
					 						
							l	<u>.</u>		<u> </u>	
Open Flow		Mcfd @ 14.			Delivera				Mcfd @ 14.65 psi		
The undersigne						uthorized f	to make th	a above rep	ort and that he ha	s knowledge of, 20	
	Witness (if a						anic	e K	ipley	RECEIVE	
	For Commiss							- Ch	ecked by	JUN 1 0 2	
										KCC WICH	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby requ	est a one-year exemption from open flow testing for the Sell A-1
gas well on the gi	rounds that said well:
(Check	cone)
	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
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>6-8-</u> 1	<u>'1 </u>
	Signature: <u>Janice Ripley</u> Title: <u>Production</u> 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.