RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instru	ictions on F	Reverse Sid	de)	LINDIE	11 1231	
	1 Flow erabilty			_Test Da	ate:			AF	Pl No. 15		
	erability			5-22	<u>1-/3 </u>				5-071-2059	7- 0000	•
	ре Ор	erating, Inc				Lease Fecht	t			B-2	Well Number
County Location Greeley C SW			Section 10		TWP 19S		RNG (E	E/W)		Acres Attributed	
^{ield} radshaw	٧		···	Reserve				Gas Ga	thering Conr Midstrea	nection	- <u></u>
ompletion 0/93	Date		····	Plug Ba 2976	ick Total De	oth		Packer None	Set at		
asing Size Weight 5 10.5			Internal Diameter 4.052		Set at 2999		Perforations 2898		То		
oing Size Weight			Internal Diameter 1.995		Set at 2900		Perforations		2905 To) —————	
e Comple	tion (De				id Productio) U		nit or Traveling	Plunger? Yes	s / No
	ıru (Anr	nulus / Tubing)	·		Carbon Diox	ide		Yes % Nitrog	jen	Gas G	Gravity - G
ising tical Depth	1(H)				Pres	sure Taps	.//	·			Run) (Prover) Size
50			-21	12	11:21	,		.a.	7		
essure Build III on Line:	•	Shut in) <u> </u>	20 <i>[</i>] at	11.26	(PM)	Taken	5-0	امل ₂₀	/3 at //:	56 (AM) (PM)
		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
		Circle one:	Pressure	· · · · · · · · · · · · · · · · · · ·	OBSERVE	D SURFAC			, was a take of the forest of the gr	Duration of Shu	in Hou
atic / Orifice namic Size perty (inches)		Meter Prover Pressure psig (Pm)	Differential	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _m) or (P ₁) or (P _n)		Duration (Hours)	Liquid Produced (Barrels)
ut-In 13	15	paig (t m)	menes m ₂ 0			psig	563	psig	paia	214	
ow .										<u> </u>	
	т —	····			FLOW STR	EAM ATTR	BUTES			· - · · · · · · · · · · · · · · · · · ·	<u> </u>
Plate Circle one: Meter or F _b) (F _p) Prover Press Mcfd psia		Neter or er Pressure	Press Extension P _m x h	Grave Factor	´ +.	Flowing Temperature Factor F _{ft}		Deviation Meters Factor F _{pv}		GOR (Cubic Fe Barrel)	
				(OPEN FLO	W) (DELIVE	PARII ITVI	CALCULA	ATIONS			
 _	<u>_:</u>	(P _w) ² =	:	P,=_	%		14.4) +		:	(P _a)	² = 0.207 ² =
) ² - (P _a) ² or) ² - (P _d) ²	(P _c) ²	²- (P _w)² 1	see formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ and by: $P_c^2 - P_w^2$	LOG of formula 1. or 2, and divide by:	P _c ² -P _w ²	Stope Ass	sure Curve e'= "n" or Igned rd Slope	n x L(pa []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	. -						 	+			
Flow			Mcfd @ 14.65	psia	- !	Deliverabil	ity			cfd @ 14.65 psi	
	gned at	uthority, on be	half of the C	ompany, sta	ites that he			make the		and that he ha	
ne undersig				and correct	Executed th	is the/	/ V	ay of	Oun	_	
e undersigns stated the	erein, a	and that said re	eport is true a	ind conect.			_				
he undersig	erein, a	and that said re	eport is true a				9	anie	e R	ipley	CC WICH

declare	s under penalty of perjury under the laws of the state of Kansas that I am authorized to request 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
and marine	best of my knowledge and belief based upon available production summaries and lease records
of equipmen	t installation and/or upon type of completion or upon use being made of the gas well herein named.
hereby	request a one-year exemption from open flow testing for the Fecht B-2
	he grounds that said well:
(1	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
l further	agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nec	essary to corroborate this claim for exemption from testing.
Date: 6-	<u>-18-13</u>
,	Signature: Janice Ripley 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.