## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes						(See Instr	ructions on Re	verse Sid	e)			-
	pen Flo				Test Da	ite:		•	. др	l No. 15		•
De	eliverab	ilty 			7-18	-13				5-20259-0	0-00	
Compan Horses	y shoe (	Operating	, Inc.				Lease Hatche	er Cattle	)		1	Well Number
County Hamilto			ocation 0' FN 198	0 FE	Section 22		TWP 22S		RNG (E		:	Acres Attributed
Field Bradsh	iaw				Reserve Winfie				_	thering Conn k Field Ser		
Completion 1/16/79		9			Plug Ba 2615	ick Total De	epth		Packer	Set at	/	,
Casing S 4.5			/eight ).5		Internal 4.052	Diameter	Set a	at		orations 6-57;62;64	To <b>66</b> ; <b>67</b>	7;69;71;73
Tubing S 2.375	,	4.	/eight <b>7</b>		Internal 2.000	Diameter	Set a	at	Perfo	orations	То	
Single -	· Gas	(Describe)			Type Fit Water	uid Product	ion	:	Pump U	nit or Traveling	Plunger? Yes	/ No
Producing	Thru	(Annulus / Ti	ubing)		%	Carbon Dio	oxide	· · · ·	% Nitro	jen	Gas G	ravity - G <sub>g</sub>
Vertical D	epth(H		·.		` .		assure Taps	·			(Meter	Run) (Prover) Siz
Pressure	Buildup	: Shut in _	7-11	7 20/	<b>3</b> at_	12:30		Taken	7-1	20	13at 12.	30 (AM) (PM)
Well on Li	ine:	Started _		20 _	at		_ (AM) (PM)	Taken		20	at	(AM) (PM)
		. =2" {				OBSERV	ED SURFACE	E DATA	١	1	Duration of Shut	in 24 Ho
Static / Dynamic Property	Orific Size (inche	Prover Pr	er Differ	Antial I	Flowing nperature t	Well Head Temperatur	Wellhead (P <sub>w</sub> ) or (P <sub>t</sub>	Pressure	Wellhe (P <sub>w</sub> ) o	fubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.62	5	mone	31120			psig	40 40	psig	psia	24	
Flow												
						FLOW ST	REAM ATTRI	BUTES		<u> </u>		<u> </u>
Plate Coeffiecie (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressul psia	Pre Exter		Grav Fact	tor	Flowing Temperature Factor F <sub>ft</sub>	Fac	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	1 Gravite
							<del> </del>	<u>                                     </u>				
P <sub>c</sub> ) <sup>2</sup> =		(P <sub>w</sub> )	) <sup>2</sup> =	(O	PEN FLO P <sub>d</sub> =		VERABILITY) % (P	CALCULA - 14.4) +		···	(P <sub>a</sub> )	$r^2 = 0.207$
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub>		(P <sub>c</sub> )²- (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> - 2. P <sub>c</sub> <sup>2</sup> -	P <sub>a</sub> <sup>2</sup>	LOG of formula	P 2 . P 2	Slope	sure Curve e = "n" origned	пхL	06	Antilog	Open Flow Deliverability Equals R x Antilo
3 - 174 12 - 12 3 - 1		<u> </u>	divided by: P		by:	[-; w		rd Slope	<del>-</del> .			(Mcfd)
* G#			1				<u> </u>				<u> </u>	
pen Flow	प्रतिक स्टब्स् स्टब्स्	j. t	Mcfd (	14.65 p	sia		Deliverabil	itv			1cfd @ 14.65 psi	<u> </u>
The uni	्रिक् dersign	ed authority,	<u>.</u> .		7.	ates that h	<del></del>	<del></del>	make the		and that he ha	
			said report i					1	ay of	ctobe		, 20 <u>13</u>
" Page 1	THÀ L'	· **				•			enic	e Kii	Slees	
		Witnes	s (if any)						<u> </u>	Forko	mpany /	
		For Con	nmission					···		Check	ed by	•

	ury under the laws of the state of Kan 3-304 on behalf of the operator Horse	
	ormation and statements contained o	
correct to the best of my knowledge	and belief based upon available produ	uction summaries and lease records
	n type of completion or upon use being	
I hereby request a one-year exe	mption from open flow testing for the _	Hatcher Cattle
gas well on the grounds that said we	ell:	
(Ob to - m - )		
(Check one) is a coalbed metr	nane nroducer	
<u>—</u>	ger lift due to water	
	tural gas for injection into an oil reserv	roir undergoing ER
	he present time; KCC approval Docket	
$\checkmark$ is not capable of	producing at a daily rate in excess of	250 mcf/D
I further agree to supply to the b	pest of my ability any and all supporting	ng documents deemed by Commission
staff as necessary to corroborate thi	· · · · · · · · · · · · · · · · · · ·	
	g.	
	Signature:	Ripley
staff as necessary to corroborate thi		Ripley

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.