KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Te	st:					(See Instruc	ctions on Rev	rerse Side))				
o	pen Flo	w											
Пр	eliveral	oilty			Test Dat					1 No. 15 1 071 20600	0-00-00		
Compar					5-22					-011-20000	7-00-00	144-15 5	Luca la cui
Horse		Оре	erating, Inc.				Lease Foster	<u> </u>			2-7	Well	lumber
County Greele	∍y		Locatio C NW S		Section 7		TWP 20S		RNG (E	(W)	j	Acres 640	Attributed
Field Bradsl	naw				Reservo U. Wir					thering Conn Midstream		· ·	
Complet 9/11/9		e .			Plug Bad 2885	ck Total Dep	oth	•	Packer None				
Casing 8 4.5	Size		Weight 10.5			Diameter	Set a 2937		Perfo 281	orations 8	то 2826		•
Tubing S 2.375	Size		Weight 4.7		Internal 1.995	Diameter	Set at 2840		Perfo	orations	To		
Type Cor Single		n (De	escribe)		Type Flui Water	id Productio			Pump U Yes	nit or Traveling	Plunger? Yes	/ No	
Producin	g Thru	(Anr	ulus / Tubing)		% (Carbon Diox	ide		% Nitrog	gen	Gas Gı	avity -	G _a
Annulu	_			1									•
Vertical D	Depth(H	l)	, ,			Pres	sure Taps		;		(Meter	Run) (I	Prover) Size
Pressure	Buildu	o: 8	Shut in5	-21 2			(AM) (PM)	Taken	50	22 20	12 at 8:1	5	(AM) (PM)
Well on L	ine:	:	Started	2	0 at		(AM) (PM)	Taken		20	at	·	(AM) (PM)
	110					OBSERVE	D SURFACE	DATA		· · · · · · · · · · · · · · · · · · ·	Duration of Shut-	in_	Hours
Static / Dynamic Property	Orific Size (inche	•	Circle one: Meter Prover Pressure		Flowing Temperature t	Well Head Temperature t	Casii Wellhead F (P _w) or (P _t	ressure	Wellhe	Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)		uid Produced (Barrels)
Shut-In	.62	5	psig (Pm)	Inches H ₂ 0			psig	psia 40.4	psig	psia	24	-	
Flow			· ·					<i> V</i> -				-	
						FLOW STR	EAM ATTRI	BUTES					
Plate			Circle one:	Press	T		Flowing				1		Flowing
Coeffieci			Meter or	Extension	Grav		Temperature	1	ation ctor	Metered Flow R	GOR (Cubic Fe	et/	Fluid
(F _b) (F Mcfd		Prov	rer Pressure psia	√ P _m xh	,F _e	,	Factor F _{ft}	1	pv	(Mcfd)	Barrel)		Gravity
							. 11					 -	G _m
					(ODEN EL (OWA (DELIV	ERABILITY)	CALCIU	ATIONS				
(P _c) ² =		:	(P _w) ² =	•	P _d =			- 14.4) +			(P _a)	² = 0.3	207
. 67	T			oose formula 1 or 2:	<u>'a-</u>		T		14:4		(F _d)	<u> </u>	
(P _c) ² - (F	a'	(P _c)² - (P _w)²	1. P _c ² -P ₄ ²	LOG of formula			sure Curve = "n"	n x				pen Flow
or (P _c) ² - (F	P _d) ²		i	2. P _c ² - P _d ²	1. or 2. and divide by:	P _c ² -P _w ²	Assi	or gned rd Slope			Antilog	1.0	liverability s R x Antilog (Mcfd)
											·		
Open Flov	v			Mcfd @ 14.6	35 psia		Deliverabil	ity		Į.	Vicfd @ 14.65 psi	а	
The u	ndersig	ned	authority, on b	ehalf of the	Company, s	tates that he	e is duly aut	horized to	make th	ne above repor	t and that he ha	s knov	vledge of
he facts st	ated the	erein	, and that said	report is true	and correct	. Executed	this the	<u>'6</u>	day of	June			20 12.
• .							EIVE		ani	rd Rij	elein	,	•
			Witness (it an	у)		JUL	05 2017	7	HE IUN	Fo	ompany		· · · · · · · · · · · · · · · · · · ·
			For Commission	on			_			Chec	ked by		

KCC WICHITA

e ₩ j, at an,		
l declare under pen	nalty of perjury under the laws of the state of Kansas that I am auth	orized to request
	le K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, In	•
	pressure information and statements contained on this application for	
	knowledge and belief based upon available production summaries a	
Maria 🖟	n and/or upon type of completion or upon use being made of the gas w	
	ne-year exemption from open flow testing for the Foster 2-7	on no. on maniou,
gas well on the grounds		. •
, and the same of		
(Check one)	•	
is a co	oalbed methane producer	•
is cyc	cled on plunger lift due to water	
is a so	ource of natural gas for injection into an oil reservoir undergoing ER	
ison	vacuum at the present time; KCC approval Docket No.	
is not	capable of producing at a daily rate in excess of 250 mcf/D	
		ind by Commission
I further agree to sup	pply to the best of my ability any and all supporting documents deem	ied by Commission
to the second	pply to the best of my ability any and all supporting documents deem rroborate this claim for exemption from testing.	ied by Commission
taff as necessary to cor		led by Commission
aff as necessary to cor		led by Commissio
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taff as necessary to cor	Signature: Jane Rights	•
to the second	rroborate this claim for exemption from testing. Signature:	i'stant

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.