KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instru	ctions on Re	verse Side	3)			
Op	en Flo	W			Test Date				۸Þ	l No. 15		
☐ De	eliverat	oilty			7-18-	14				-0 75-2073 3	3-00-00	
Company Horseshoe Operating, Inc.					_ <i></i>	Lease Lois			Well Number			
County Hamilto		<u> </u>	Locati S/2 NE	on	Section 10		TWP 22S	-	RNG (E	/W) .		Acres Attributed
Field Bradsh	aw				Reservoi Winfie					thering Conne		
Completic 10/14/2		le			Plug Bac 2783 (k Total De TD)	pth		Packer	Set at		
Casing S 4.5	ize		Weigh 10.5	l	Internal I 4.052	Diameter	Set : 279		Perfo 274	orations 7	To 2755	
Tubing S 2.375	ize		Weigh 4.70	ì .	Internal I 2.000	Diameter	Set : 266		Perf	orations	То	
Type Con Single -			escribe)		Type Flui Water	d Producti	on		Pump U Pump	nit or Traveling	Plunger? Yes	/ No
Producing	g Thru	(Ani	nulus / Tubing)	% C	arbon Dio	xide		% Nitro	gen	Gas Gr	avity - G
Ann					, , , , , , , , , , , , , , , , , , , 		<u>_</u>				///	D 1/D 11/2
Vertical D	Jeptn(I	1)				_ F	essure Tape			_	່ລູ"	Run) (Prover) Size
Pressure	Buildo	ıp:	Shut in	7-/7 ₂	0 <u>/4</u> at_	1:00	_ (AM) (PM)		7-1		14 at 1:0	— ```''
Well on L	ine:	÷	Started	20) at		_ (AM) (PM)	Taken		20	at	(AM) (PM)
	, -				-7.	OBSERV	ED SURFAC	E DATA			Duration of Shut-	in <u>24</u> Hours
Static / Dynamic Property	Orifi Siz (Inch	:0	Circle one: Meter Prover Pressu	- 1	Flowing Temperature t	Well Head Temperatur t	Welihead	sing Pressure () or (P _c)	Weithe (P,) c	Tubling ead Pressure or (P _e) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)
Shut-in	.50	0	psig (Pm)	Inches H ₂ 0			psig	90 psia	psig.	psia	24	
Flow												
						FLOW ST	REAM ATTR	IBUTES				
Plate Coeffied (F _b) (F Mofd	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac F	tor	Flowing Temperature Factor F _{II}	Fa	elation ector e pv	Metered Flow R (Mcfd)	GOR (Cubic Fe . Barrel)	(Growthe I
					1					•	r	
	_	•			-	DW) (DELI	VERABILITY	_		•		² = 0.207
(P _c)² ≈		<u>_:</u>	(P _w) ² =	thoose formula 1 or 2:	P _a ⇔		_% (I	P _c - 14.4) +	14.4 = _	: ,	(P _d)	² =
(P _c) ² - (F or (P _c) ² - (F	_	(P)²- (P_)²	1. P _c ² -P _c ² 2. P _c ² -P _c ² Wided by: P _c ² -P _c ²	LOG of formula 1, or 2, and divide by:	P _c ² -P _w ²	Sio As	ssure Curve pe = "n" - or signed lard Slope		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			_		<u> </u>	-		· 	-	· -		
Open Flov				Mcfd @ 14.6	SE neia				-,		Mcfd @ 14.65 ps	ia
						· _		•			<u> </u>	
		_	-	behalf of the			•	uthorized 1	day of	he above repo	nt and that he ha	as knowledge of, 20
•			Witness (if	any)		-	-			For C	Company /	<i>f</i>
			For Commi	sion		KA	Req NSAS CORPOR	<u>eived (</u> ATION COMA	AISSION	Chec	ked by	

AUG 2 9 2014

exempt status under Rule K.A.R. 82-3 and that the foregoing pressure info correct to the best of my knowledge a of equipment installation and/or upon	ry under the laws of the state of Kansas that 3-304 on behalf of the operator Horseshoe Opermation and statements contained on this apand belief based upon available production sure type of completion or upon use being made of apption from open flow testing for the Lois #1	erating, Inc. plication form are true and mmaries and lease records
gas well on the grounds that said we	II:	
is a source of natu	ane producer per lift due to water ural gas for injection into an oil reservoir under e present time; KCC approval Docket No producing at a daily rate in excess of 250 mcf/	
I further agree to supply to the bestaff as necessary to corroborate this	est of my ability any and all supporting docum	ents deemed by Commission
Date: 8-26-14	, in the oxemption from tooking.	
	Signature:	eley:

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.

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