KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:						(See Instruc	tions on Re	everse Side	e)				
	pen Flo eliverat				ı	Test Dat					No. 15			
Compan			·		/	1-24-1	<u>ح</u>	Lease		0/1	-20224 - 00 4)	1Atall B	
		pera	ıting, Inc.					Kuttler	A			1	weii i/	lumber
County Greeley			Loca C SE		n Section 29			TWP 19S		RNG (E/W) 39W			Acres Attributed 640	
Field Winfield	1					Reservoi Hugoto				Gas Gathering Connection DCP Midstream		ction		
Completi	ion Dat	te			ii	Plug Bac 2677'	k Total Dep	th		Packer S	Set at			
Casing S 4-1/2"	Size		Weight 9.5		Internal D 4.090		Diameter Set at 2899			Perforations 2822		To 283 0		
Tubing S 2-3/8"	Size		Weight 4,7		Internal I 2.000		Diameter	Set at 2862		Perforations 2833'		То		
Type Cor Single			escribe)			Type Flui Water	d Production	n		Pump Ur	nit or Traveling	Plunger? Yes	/ No	
Producin	g Thru	(An	nulus / Tubi	ng)		% C	arbon Dioxi	ide	·	% Nitrog	en	Gas G	ravity -	G _g
Vertical [Depth(F	1)					Pres	sure Taps				(Meter	Run) (I	Prover) Size
Pressure	Buildu	 ip:	Shut in	1-	23 20	13 at _/	10:00	(AM) (PM)	Taken	1-2	4	13 _{at} 10;0	00	(AM) (PM)
Well on L	.ine:		Started					$\overline{}$				at		(AM) (PM)
							OBSERVE	D SURFAC	E DATA		· · · · · ·	Ouration of Shut	in o	34 Hours
Static / Dynamic			Meter		Pressure Differential	Flowing Temperature	Well Head Temperature	Casing Weilhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced	
Property	(inch		Prover Press psig (Pm	- 1	in Inches H ₂ 0	t	t	(P _w) or (f	psia	(P _w) or psig	(P ₁) or (P _a)	(Hours)		(Barreis)
Shut-In Flow	.62	5			`				56]	1	24		
1 1011					l		FLOW STR	FAM ATTE	IRHTES	<u> </u>			<u>i</u>	
Plate	,		Circle one:	Ţ	Press	0		Flowing				Τ		Flowing
Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia			Extension P _m xh	Grav Fact	or T	emperature Factor F _n	Fa	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrei)		Fluid Gravity
				+									- ·	
						(OPEN FLO	OW) (DELIVI	ERABILITY) CALCUL	ATIONS '		/P)	² = 0.2	207
(P _c) ² =		_:	(P _w) ²		:	P _d =	9	% (F	P _c - 14.4) +	14.4 =	:	(P _d)		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	(P _c) ² - (P _w) ²		ose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. seed by: $P_c^2 - P_u^2$ by:		P.2. P.2	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog		pen Flow liverability is R x Antilog (Mcfd)
					· · · · ·									
					. 7		•							
Open Flov			<u> </u>		Mcfd @ 14.6	<u> </u>		Deliverab	·· '			cfd @ 14.65 ps		
									ク		e affiove report	and that he ha	ıs knov	vledge of
iauta at	woo Ki	orell	i, and that S	aiu f	eport is true			EIVED		day of(Kini))	····· ,	20 <u>/)</u> .
			Witness	it any)		KAN:	ADD	1 1 2013		IU.X	For Con	npany	· <u>-</u>	
			Far Comm	nissior)		CONSTRU				Checke	d by		
-	addien ut					the part of the second		ATION DIVISI HITA, KS	ON					

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status 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
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Kuttler A #1
gas well on the grounds that said well:
(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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
Jan as necessary to correspond the stain for exemption from testing.
Date: 4-3-13
Date: / V N
·
Signature:

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.