KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test	:				(See instruct	ions on Hev	erse Side	,				
Oр	en Flor	N			Test Date				ΔPI	No. 15			
De	liverab	lty			10/15/2				15-(025-20109	- 00 00		
Company Norstar		leu	m Inc.				Lease Shupe				1-21	Well N	umber
County Clark			Locatio C NE NI		Section 21		TWP 34S		RNG (E/W) 21W			Acres Attributed 160	
Field Snake 0	Creek				Reservoir Morrow				Gas Gath	nering Conne Midst			
Completic 2/15/19		Э	-		Plug Back 5470	k Total Dept	h		Packer S	et at			
Casing Si	ize		Weight 15.5		Internal Diameter 4.95		Set at 5545		Perforations 5482		To 5490		
Tubing Size 2.375			Weight 4.7		Internal Diameter		Set at 5495		Perforations		То		
Type Con Casing	npletion	ı (De	escribe)		Type Flui	d Production Water	1		Pump Un Pumpir	it or Traveling	Plunger? Yes	/ No	
Producing	-	(Anı	nulus / Tubing)		% C	arbon Dioxi	de		% Nitrog		Gas G	ravity -	G _q
Annulus Vertical D		١				Pros	sure Taps				(Meter	Run\ /F	Prover) Size
vertical D	усрыці	,				1 105	sure rups				(Micro)	11011) (1	10701) 0.20
Pressure	Buildu	o:	Shut in Octo	ber 14 2	0_15_at_2:	45	(AM) (AM)	Taken Oc	tober 1	5 20	15 at 2:45		(AM)
Well on L	ine:		Started	20	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
				-		OBSERVE	D SURFACE	DATA			Duration of Shu		Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead I	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	C W Colored	
Shut-In			paig (i iii)	Inches 11 ₂ 0			psig_	psia	psig 40	54.7	<u>no</u>	W 0'	g 2015
Flow									_			250	EIVED
			ı	<u> </u>		FLOW STR	EAM ATTRI	BUTES	L			- The Contract of the Contract	/
Plate Coeffied (F _b) (F Mofd	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _c	tor 7	Flowing femperature Factor F _{ft}	Fa	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
- 10			(m. 10		-		ERABILITY)					$()^2 = 0.2$	207
(P _c) ² =		<u>-:</u>	(P _w) ² =_	hoose formula 1 or 2	P _a =			· - 14.4) +	·	 :	(P _c	') ₅ =	
(P _c) ² - (I or (P _c) ² - (I	ı	(F	P _c) ² - (P _w) ²	1. P _c ² - P _s ² 2. P _c ² - P _d ² vided by: P _c ² - P _w ⁴	LOG of formula 1. or 2. and divide	P ₀ ² -P _w ²	Stop Ass	ssure Curve e = "n" or signed ard Slope	n x I	.og	Antilog	De	Open Flow eliverability Is R x Antilog (Mcfd)
						<u>-</u>						1	
Open Flo	w		1	Mcfd @ 14.	65 psia		Deliverabi	ility			Mcfd @ 14.65 p:	_l sia	
		_	d authority, on in, and that said Witness (if a	d report is true			-			e above repo	rt and that he h		wledge of 20 15 .
			For Commis	olan			_	\supseteq	<u>wa</u>	7 97	CIT FC	4	

			Kansas that I am authorized to request	t
exempt status un	der Rule K.A.R. 82-3-3	04 on behalf of the operator <u>No</u>	orstar Petroleum Inc.	-
and that the fore	going pressure inform	ation and statements containe	ed on this application form are true and	l
correct to the bes	t of my knowledge and	i belief based upon available pr	roduction summaries and lease records	į.
• •	, ,	oe of completion or upon use be tion from open flow testing for th	eing made of the gas well herein named. _{he} Shupe 1-21	
	rounds that said well:			•
(Check	c one)			
	is a coalbed methan	e producer		
	is cycled on plunger	lift due to water		
Ē	is a source of natura	l gas for injection into an oil res	servoir undergoing ER	
\Box	is on vacuum at the p	oresent time; KCC approval Doc	ocket No	
<u></u>	is not capable of pro	ducing at a daily rate in excess	s of 250 mcf/D	
staff as necessar	y to corroborate this c	of my ability any and all suppo		
Date: November	4, 2015		ACC MICH	11 T
			MON 03 5 MCC MICH	015
		Signature:	Physical Received	/E

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.