## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			(	See Instruct	ions on Rev	erse Side	)				
	en Flov			Test Date	<del>)</del> :			API	No. 15			
De	liverabi	lty ————————————————————————————————————		10/13/2	015			15-	129-20751	- 0000		
Company Norstar		leum Inc.				Lease Biggs				3-4	Well Nu	mber
County Location Morton SE SE NW SE			Section 4				RNG (E/W) 41W			Acres Attributed 160		
Field Beauch	amp S	Southwest		Reservoir Morrow				Gas Gar	hering Conn Midst	ection YeaMi		
Completion Date May 22, 1985				Plug Back Total Depth 5555'			Packer Set at None					
Casing Size Weight 5.5 14			Internal Diameter 5.012		Set at 5599'		Perforations 5301		То 5346			
	Tubing Size Weight		Internal Diameter 1.995		Set at 5387		Perforations		То			
Type Completion (Describe) Casing			Type Fluid Production Gas and Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit						
Producín	g Thru	(Annulus / Tubing	9)	H.m.m.	arbon Dioxi	de	<del></del>	% Nitrog		Gas G	ravity - G	 }_
Casing Vertical D	Depth(H	)			Press	sure Taps				(Meter	Run) (Pr	rover) Size
		·	<del></del>	-		·						
Pressure	Buildur	s: Shut in Oct	ober 12 2	0_15_at_1	00	(AM) (PM)	Taken O	ctober 1	20	15 at 1:00	(	AM)(PM)
Well on L	ine:	Started	2	0 at	YAMIANIN MARKATAN MA	(AM) (PM)	Taken		20	at	(	AM) (PM)
	T.				OBSERVE	D SURFACE	DATA	1		Duration of Chy	MICE	H AHour
Static / Dynamic	Size	Orifice Size (inches)  Orifice Meter Differential Prover Pressure in		Flowing Well Head Temperature		Casing Wellhead Pressure (P_) or (P,) or (Pc)		Tubing Wellhead Pressure (P_ ) or (P,) or (P_)		Duration Liquid Produ (Hough 0 9 2 (Barrels)		
Property	(Inche	psig (Pm)	Inches H <sub>2</sub> 0	t	t -	psig	psia	psig	psia	11 -	CEIVI	1015
Shut-In								63.3	78.0	4 7500		
Flow					ELOW STR	EAM ATTR	BIITES					
Plate	,	Circle one:	Press	Grav		Flowing		iation	Makes of Fig.	w GOF		Flowing
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> )		Meter or Prover Pressure	Extension  P <sub>m</sub> x h	Fac	· 1 T	Temperature Factor	Fa	ctor	Metered Flor R (Mcfd)	(Cubic Fe	eet/ Flu Grav	Fluid Gravity
Mefe		psia	V 1 m × 11	<del></del>		F <sub>n</sub>	<u> </u>	pv	(191010)		<del>"</del>	G <sub>m</sub>
		<u>.</u>	<u> </u>	(OPEN EL	OW) (DELIV	ERARII ITVI	CALCIII	ATIONS		<u></u>		<u></u>
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =		•	- 14.4) +		:		$(a_1)^2 = 0.26$ $(a_2)^2 = $	<u>.</u>
(P <sub>c</sub> )² - (	P_)2	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.	LOG of			ssure Curve					en Flow
or (P <sub>c</sub> )²- (			2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Ass	or signed ard Slope	. nx	roe	Antilog	Equals	iverability : R × Antilog (Mofd)
	-		divided by: $P_c^2 - P_w^2$	by:	<u> </u>	Statica		-			<del></del>	
									<del></del>			
Open Flo	w		Mcfd @ 14.	65 psia		Deliverab	ility	<u>'</u>		Mcfd @ 14.65 p:	sia	
The	undersi	gned authority, o	n behalf of the	Company, s	states that h	e is duly au				ort and that he h	as know	ledge of
the facts s	stated th	erein, and that sa	aid report is true	and correct	t. Executed	this the 29	)	day of C	ctober	7 70	, 2	<sub>20</sub> <u>15</u> .
									1-1/	H)		
		Witness (i				_	_ <b>B</b>	Sad	1,00	teitte	<u></u>	
		For Comm	desion			_				ckad by		

exempt status und	der Rule K.A.R. 82-3-3	04 on behalf of the operato					
-			ained on this application form are true and				
	•	•	ele production summaries and lease records				
· ·		•	se being made of the gas well herein named.				
	est a one-year exempl ounds that said well:	tion from open flow testing	for the				
gas well on the gr	Ourius mat said weil.						
(Check	one)						
	is a coalbed methan	e 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						
<b>~</b>	is not capable of pro	ducing at a daily rate in ex	cess of 250 mcf/D				
_	<del>-</del>	of my ability any and all s laim for exemption from te	upporting documents deemed by Commission sting.				
Date: October 29	. 2015		KCC WICHITA				
	<u>,                                      </u>		NOV 09 2015				
			RECEIVED				
		Signature:  Title: Engineer	) G/J/				

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.