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

Type Test	ι.				ι	See manuci	ions on neve	5136 3146	•/					
= :	en Flo eliverab				Test Date					No. 15	2000			
Company	y		m inc		10/15/2	2015	Lease Shupe-F	Jarpar	15-	025-20395		Well Nu	mber	
Norstar County	Petro	ojeu	Locati	on.	Section		TWP	nai per	DNG (E/	M/\				
Clark	Clark C NW SW		15		34S		RNG (E/W) 21W		Acres Attributed 160					
Field Snake (	Creek				Reservoir Morrow			Gas Gathering Connection DCP Midstream						
Completion 1/22/19		е			Plug Bac 5470	k Total Dept	th		Packer S	et at				
Casing S 5.5	Size		Weigh 15.5	t	Internal Diameter 4.95		Set at 5570		Perforations 5456		То 5462			
Tubing S 2.375	ize		Weigh	t	Internal Diameter		Set at 5470		Perforations		То			
Type Completion (Describe)  Casing			Type Fluid Production Gas and Water				Pump Unit or Traveling Plunger? Yes / No Pumping Unit							
Producing Thru (Annulus / Tubing)			% Carbon Dioxide				% Nitrog	Gas Gr	Gas Gravity - G <sub>0</sub>					
Annulus Vertical D		i)				Pres	sure Taps		-		(Meter	Run) (Pr	rover) Size	
			Oct	ober 14 2	15 3:	00		. 0	ctoher 1	5	15 3:00			
Pressure		•									15 at 3:00	,	AM) (PM) AM) (PM)	
Well on L	_ine:	•	Started	2	u at	,	(AM) (PM)	ıaken		20	at		AM) (PM)	
	·		Circia one:	Pressure		1	D SURFACE Casin	·	1 7	ubing ·	Duration of Shut-	<u>in_24</u>	Hour	
Static / Dynamic Property	amic Size		Meter Prover Pressu		Flowing Well Head Temperature t t		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	<u> </u>		psig (Pm)	Inches H <sub>2</sub> 0			psig	psia	psig 60	psia 74.7	3.0		C. MICLI	
Flow						<u> </u>					Ç		9 2015	
				<b>'</b>		FLOW STR	EAM ATTRIE	BUTES				RE	CEIVE	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or ver Pressure psla	Press Extension √ P <sub>m</sub> x h	Extension Fax		Flowing Temperature Factor F <sub>11</sub>	Deviation Factor F <sub>pv</sub>		Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)	- 4	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL		ERABILITY) % (P.		ATIONS 14.4 =	:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.20 <sup>2</sup> =	<b>)7</b>	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide		Backpressure Curve Slope = "n" or		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				<u>.</u>										
Open Flow						 psia		Deliverability		l				
The	unders	igne	f authority, or			states that h		<del>.</del> :	o make th		rt and that he ha		ledge of	
he facts s	stated t	herei	n, and that sa	id report is true	e and correc	t. Executed	this the 4th		day of N	ovember		, 2	<sub>20</sub> <u>15</u> .	
		<del></del>	Witness (i	any)				É	Kad		ent tes		<u> </u>	
			For Comm	ission			_			7 Che	cked by			

		ler the laws of the state of Kansas that I am authorized to request
exempt status un	der Rule K.A.R. 82-3-304	on behalf of the operator Norstar Petroleum Inc.
and that the fore	going pressure information	on and statements contained on this application form are true and
correct to the bes	st of my knowledge and be	elief based upon available production summaries and lease records
• •	• • • • •	of completion or upon use being made of the gas well herein named.  Shupe-Harper 1-15A
	rounds that said well:	Thom open now testing for the
gas wen on me g	Tourius triat salu well.	
(Check	k one)	
	is a coalbed methane p	roducer
	is cycled on plunger lift	due to water
	is a source of natural ga	as for injection into an oil reservoir undergoing ER
一	j -	sent time; KCC approval Docket No.
	j .	cing at a daily rate in excess of 250 mcf/D
I further agre	e to supply to the best of	my ability any and all supporting documents deemed by Commission
staff as necessar	ry to corroborate this clair	m for exemption from testing.
Date: November	· 4, 2015	MOV 09 2015
<b>Dailo.</b>	<del></del>	2015
		NOV 03 2010
		DECEIVEL
		Mes
	į	Signature:  Title: Engineer
		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.