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

Type Tes	t:				(	See instruc	tions on Hev	erse Siae	<del>?</del> )					
Open Flow					Test Date:				API	No. 15				
Deliverability					October 10, 2015					21,247-00	-00			
Company John O. Farmer, Inc.					Lease Patterson			on			1-33	Well Number 1-33		
County Haskell			Locati	on	Section 33		TWP 30S		RNG (E/W) 31W		Acres Attributed			
Field				Reservoi <b>Morro</b> v				Gas Gathering Co		nection				
Completion Date 9-23-99				Plug Bac 5525	th		Packer S	et at						
Casing Size 4.500			Weigh 10.50		Internal Diamete 4.052		Set at 5569		Perforations 5405		то 5411			
Tubing Si 2.375	ize	-	Weight 4.700		Internal Diameter 1.901		Set at 5400		Perforations		То			
Type Completion (Describe) Single				Type Fluid Production Trace Condensate				Pump Unit or Traveling Plunger? Yes / No No						
Producing Thru (Annulus / Tubing)				% C	Carbon Dioxi	de	% Nitrogen		ın	Gas Gravity - G <sub>g</sub>				
Tubing					0.320			9.120			0.692			
Vertical D 5407	epth(F			Pressure Taps Flange							(Meter Run) (Prover) Size 3.071			
Pressure	Buildu	ıo:	Shut in Oct	ober 10	0 15 at 1	2:00	(AM) (PM)	Taken. O	ctober 1	) 20	15 <sub>at</sub> 12:00		(AM) (PM)	
October 11 15 12:00 October 11 15 12:00										(AM) (PM)				
Well on L	ine:		Staned	20	J at		(AM) (PM)	iaken		20	al		(AIVI) (FIVI)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hours	
Static / Or		ifice Circle one:		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing		Duration	Liqui	Liquid Produced	
Dynamic Property	Siz		Meter Prover Pressu		Temperature t	Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Wellhead Pressu (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>t</sub>		(Hours)		(Barrels)	
Property	(inches)		psig (Pm)	Inches H <sub>2</sub> 0		,	psig	psia	psig	psia				
Shut-In	1.2	50	Meter				320.00		345.00		24			
Flow														
				•		FLOW STR	EAM ATTRI	BUTES						
Plate			Circle one:	Press	Gravity		Flowing		Deviation Metered Flo		w GOR		Flowing	
Coeffictient		Pro	Meter or ever Pressure	Extension	Faci	tor T	emperature Factor	ature Fact		R	(Cubic Fe		Ffuld Gravity	
(F <sub>b</sub> ) (F <sub>p</sub> ) Mefd			psia	√ P <sub>m</sub> xh	F	'	F <sub>tt</sub>	F <sub>pv</sub>		(Mcfd)	Barrel)		G <sub>m</sub>	
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			²= 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> =		<u>_:</u>	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =		% (P,	- 14.4) +	14.4 =	<u> </u>	(P <sub>d</sub> ):	<u>'=</u>	<del></del>	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(F	2 <sub>0</sub> )2- (P <sub>w</sub> )2	Choose formula 1 or 2: 1. P <sub>2</sub> - P <sub>2</sub>	. P.º LOG of		Backpressur Slope =		л				en Flow	
or (P <sub>a</sub> )²- (P <sub>d</sub> )²				2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	formula 2 1. or 2.		or		n x LOG		Antilog		Deliverability Equals R x Antilog	
(P <sub>0</sub> ) = 1 (P <sub>d</sub> )		di		divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	and divido by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Standard Slop			L ,		ļ ·	(Mcfd)	
					1									
				-		-								
Open Flow Mcfd @ 14.65 psia						Deliverability			•	Mefd @ 14.65 psia				
The L	ınders	igned	authority, or	behalf of the	Company, s	states that h	e is duly aut	horized to	make the	above repo	ort and that he ha	ıs know	ledge of	
the facts si	tated ti	herei	n, and that sa	id report is true	and correc	t. Executed	this the 5th	<u> </u>	day of No	vember			20 15	
						KANSAS COR	Received	iltiooros						
			Witness (if	any)		KANSAS CORPORATION COMMISSION				For Company				
			For Commi	ission		NOV	06 20	5		Che	cked by			
						CONSER	VATION DIVIS	lON:						

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 <u>John O. Farmer, Inc.</u>
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 Patterson 1-33  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.
Received KANSAS CORPORATION COMMISSION NOV 0 6 2015 CONSERVATION DIVISION WICHITA, KS  Received KANSAS CORPORATION COMMISSION Title: President

## 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.