KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes				-	•	(See Instruc	tions on Rev	erse Side	∌)					
✓ Open Flow Deliverability				Test Date: November 19, 2013				API No. 15 081-21, 231-00-00						
Company					Lease				001	1-28	Well Number			
John O. Farmer, Inc. County Location				Patterson Section TWP			DI1	RNG (E/		1-20	Acres Attributed			
Haskell 2317' FSL & 2309' FWL			28 30S				31W			160				
Field				Reservoir Morrow Sand				Gas Gathering Connection ONEOK						
Completion Date 01-20-99				Plug Back Total Depth 5513				Packer S	et at					
Casing Size 4.500			Weig 10.5		Internal (3,927	Diameter	er Set at 5575		Perforations 5409		To 5424			
Tubing Size			Weig	ht	Internal I				Perforations		То			
2.375 4.700 Type Completion (Describe)			1.995 5417 Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No							
perfs w	//CO	2 fra	C		Type Tid	T TOGGETTO			t ump on	COL HEACHINE	- -			
Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitroge	n		Gas Gravity - G			
Tubing Vertical Depth(H)					0.130	Pres	sure Taps	9.468				Run) (Prover) Size		
5417	-	,									(0101, 0120	
Pressure	Build	up:	Shut in No	vember 🏦 2	14 at 1	2:00	(AM) (PM)	raken_N	ovember	1920	14 _{at} 12:00	(AM) (PM)	
Well on L	Line:										14 at 12:00	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	-in	Hou	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Press psig (Pm)	1	Flowing Well Head Temperature t t		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	hut-In 0.875		Meter	HIGHES FI ₂ U			68.25	psia psig		psia	24			
Flow									_					
						FLOW STR	EAM ATTRIE	UTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Clicio ono: Meter or Prover Pressure psia		Press Extension P _m xh	Gravity Factor F _g		Flowing Femperature Factor F _{II}	Deviation Factor F _{py}		Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
					_									
P _c) ² =		_:	(P _w)².:	·:	(OPEN FLO		ERABILITY) (P.	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.20)7	
(P _o) ² - (l	_	(F	2°)3- (b*)3	1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²		= "П" (;ле d	n x to	og 💮	Antilog	Open Flow Deliverability Equals R x Antilo		
		-		divided by: $P_c^2 - P_u^2$	by:	<u></u>	Standar	a siohe	-	pul		<u>`</u>		
Open Flo	en Flow Mcfd @ 14.			S5 psia Deliverability			ty	Mcfd @ 14.65 psta						
The i	under	signed	d authority, c	n behalf of the	Company, s	tates that h	e is duly auth	norized to	make the	above repo	rt and that he ha	as knowl	edge of	
e facts s	stated	therei	n, and that s	aid report is true	and correct				day of No	vember	<u></u>	, 2	14	
	Witness (il any)			MCC WICHITA DEC 1 5 2014				For Company						
			Fer Comm	nission			_			Chec	ked by			
						R	ECEIVE	D			-			

I declare under penalty of perjury under the laws of the state of Kansas that I am exempt status under Rule K.A.R. 82-3-304 on behalf of the operatorJohn O. Farmer, Inc. and that the foregoing pressure information and statements contained on this applicate correct to the best of my knowledge and belief based upon available production summat of equipment installation and/or upon type of completion or upon use being made of the glassy request a one-year exemption from open flow testing for thePatterson #1-gas well on the grounds that said well:	ion form are true and ries and lease records as well herein named.
(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 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 staff as necessary to corroborate this claim for exemption from testing.	
Date: December 3, 2014	KCC WICHITA DEC 15 2014 RECEIVED
Signature: ALD FUNC LIT 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.