KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(See Instruct	tions on Rev	rerse Side))		-		
Open Flow Deliverabilt	w		Test Date				API N		_		
Company	· · · · · · · · · · · · · · · · · · ·		10/07/2	013	Lease	·	077-2	21381-000		Mall Moreshar	
Atlas Operating	LLC				Beth Fre	eland				Well Number 3	
County Harper	*		Section 4		TWP 31S		RNG (E/W) 9W			Acres Attribute	d
Field SPIVEY GRABS			Reservoi MISSIS			10		Gas Gathering Connection ONEOK			
Completion Date 04/25/2000			Plug Bac 4514	k Total Dept	th		Packer Se	t at			
Casing Size 4 1/2			Internal Diameter 4		Set at		Perforations 4436		то 4456		
Tubing Size 2 3/8			Internal Diameter 2		Set at 4506		Perforations		То	То	
Type Completion	(Describe)			d Production	n		Pump Unit PUMP (or Traveling JNIT	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)		% Carbon Dioxid				% Nitrogen 0.439			Gas Gravity - G _g 0.697		
Vertical Depth(H)			,	Pres	sure Taps				(Meter	Run) (Prover) S	ize
Pressure Buildup:	Shut in 10/0)72	13 at 1	0:00am	(AM) (PM)	Taken_10	/08	20	13 _{at} 10:00a	am (AM) (PN	 -
Well on Line:	Started	20) at					20	at	(AM) (PM	A)
				OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 H	lours
Dynamic Size	Orifice Size Prover Pressure Differential in psig (Pm) Inches H ₂ O		Flowing Well Head Temperature t t		(P _w) or (P ₁) or (P ₂)		Tubing Welihead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produce (Barrels)	ed
Shut-In	pag (m)	mones 11 ₂ 0			psig 175	psia	psig 75	psia			-
Flow						·					
			· · · ·	FLOW STR	EAM ATTRI	BUTES					,
Plate Coefficient (F _b) (F _p) Mcfd Circle one: Meter or Prover Pressure psia Press Extension P _m x h		Gravity To Factor		Flowing Deviation Factor Factor F ₁₁ Few part of the properties		tor	Metered Flow R (Mcfd)	(Cubic Fe	GOR Flowing (Cubic Feet/ Barrel) Gravity G _m		
		<u></u>	(OPEN FL	OW) (DELIV	ERABILITY)	CALCULA	ATIONS			2 2 2 2 2	
P _c) ² =	: (P _w) ² =_					_c - 14.4) +		;		² = 0.207 ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$	(P _c) ² - (P _w) ²	Thoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ tivided by: $P_a^2 - P_a^2$	LOG of formula 1. or 2. and divide by:	P 2 . P 2	Slop	sure Curve e = "n" or igned ard Slope	n x LO	oG [Antilog	Open Flow Deliverability Equals R x Ant (Mcfd)	y
		· · · · · · · · · · · · · · · · · · ·									
Open Flow	•	Mcfd @ 14.	55 psia		Deliverabi	litv			Mcfd @ 14.65 ps	а	
	nod authority on			tates that h		·	make the				
ne facts stated the	·		, -		•		make the lay of Jan	•	rt and that he ha	, 20 <u>14</u>	
			74.				12ris	s War	uch	KCC W	<u>IC</u> F
	Witness (if	any)		. ==	_			For C	ompany	JAN 16	 : วก
	For Commis	ssion	·	 :	_			Chec	ked by	RECE	

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
	he 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 equipm	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	by request a one-year exemption from open flow testing for the Beth Freeland #3
gas well c	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
1.6	
	her agree to supply to the best of my ability any and all supporting documents deemed by Commission
stan as ne	ecessary to corroborate this claim for exemption from testing.
- 041	440044
Date: 01/	14/2014
	\sim 1
	Signature: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	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 **ICCUSTOCHITA** signed and dated on the front side as though it was a verified report of annual test results.

JAN 16 2014