KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		•		(See Instruc	tions on Reve	erse Side))				
✓ Open Flow					Toot Date	Test Date:			A DI	N- 46			
De	Deliverabilty 09/14/2015							No. 15 0 77- 00039-0	001				
Company Atlas Op		ıg Ll	_C			_	Lease Beth Fre	eland		-	-	Well Number	
County Harper			Location NE-NE-SW		Section 4	- ·		TWP 31S		RNG (E/W) 9W		Acres Attributed	
Field SPIVEY	GRA	BS			Reservoir MISSIS				Gas Gat	hering Conne	ection		
Completic 03/08/60		е			Plug Bac 4471	k Total Dep	th		Packer S	et at			
Casing S 4 1/2	ize		Weig	ht	Internal E	Internal Diameter 4		Set at 4483		Perforations 4434		то 4444	
Tubing Size 2 3/8			Weight 5		Internal E	Diameter	Set at 4440		Perforations		То	То	
Type Con 03/08/1		n (De	escribe)			d Productio	n		Pump Un		Plunger? Yes	/ No	
O3/08/1960 Producing Thru ANNULUS Vertical Depth(H 4483 Pressure Buildu		(Anı	nulus / Tubir	ng)		% Carbon Dioxid		de % Niti				Gas Gravity - G _a	
		1)			0.017	Pres	sure Taps		0.400			Run) (Prover) Size	
	•						•				,	, ,	
Pressure	Buildu	p:	Shut in 09	/14 2	0 15 at 8	:35 AM	(AM) (PM)	Taken_09	9/15	20	15 at 8:35 A	M (AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic	Orifi Siz (inch	е	Circle one: Meter Prover Press	Pressure Differential ure in	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P _w) or (P _t)	ressure	Wellhea	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Property Shut-In	(incii	—	psig (Pm)	Inches H ₂ 0		'	psig 150	psia	psig 75	psia			
Flow				_			100			.			
			<u> </u>			FLOW STF	REAM ATTRIE	BUTES	<u> </u>		_ 	<u> </u>	
Plate Circle one: Press				Grav	Gravity		Flowing Dev		viation Metered Flow		Flowing		
Coeffiectent (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Extension P _m x h	Fact F	.01	Temperature Fa		actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	I Gravity I	
					 -		- H					,	
	•				•		ERABILITY)	CALCUL	ATIONS	-	(P _a)	²= 0.207	
(P _c) ² =		- :	(P _w)² =	Choose formula 1 or 2.					14.4 =	:	(P _d)	² =	
$(P_c)^2 - (P_u)^2$ or $(P_c)^2 - (P_d)^2$		(P	(P _w) ² - (P _w) ²	1. P _c ² -P _d ² 2. P _c ² -P _d ²	LOG of formuta 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned		1	og 🗍	Antilog	Open Flow Deliverability Equals R x Antilog	
	a'			divided by: Pc2 - Pw	by:	P.º - P.º		d Slope		L J		(Mcfd)	
		•		-		<u>. </u>							
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabil	ty		- 1	Vicfd @ 14.65 ps	a	
The u	unders	gned	authority, c	n behalf of the	Company, s	tates that h	e is duly autl			-	t and that he ha	s knowledge of	
the facts si	tated ti	nerei	n, and that s	aid report is true		Rece	this the 30t ived FION COMMISSIO		day of De	ecember		, 20 <u>15</u>	
		-	Witness	(if any)		JAN 0	_		<u>-</u>	For C	ompany		
			For Comm	nission	C	ONSERVATIO	N DIVISION —			Chec	ked by		
						WICHITA	7, NO						

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 Atlas Operating LLC 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 Beth Freeland # 1
gas well on the grounds that said well:
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.
Date: 12/30/2015
Received Signature: KANSAS CORPORATION COMMISSION JAN 0 4 2016 CONSERVATION DIVISION WICHITA, KS

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.