KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

19

Open F				Test Date					No. 15				
	LUILY			10/19/20	014			15-	191-22317-	-0000	184-11 84		
Company Atlas Operat	ing Ll	-C				Lease Hobbisi	ekfen			2-9	Well Nu	mber	
County Location Sumner SE-SW-SW				Section TWP 3 35S			RNG (E/W) 3W				Acres A	Attributed	
Field Fall Creek				Reservoir MISSISSIPPI				Gas Gathering Connection Atlas Pipeline Mid Continent					
Completion Date 02/14/98				Plug Back Total Depth 4356				Packer Set at 4329					
Casing Size Weight 11/2 14 & 15			Internal D 5.0	Diameter		Set at 5029		Perforations 4293		то 4298			
Tubing Size Weight 2.3/8 4.7			Internal D 1.995	Diameter		Set at 4239		Perforations					
Type Complete Single Gas		escribe)		Type Fluid GAS	d Productio	n		Pump U PLUN	nit or Travelin GER	ng Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide .4220				% Nitrog 9.36	gen	Gas G .718	Gas Gravity - G _g .718		
Vertical Depth	(H)	•			Pres	sure Taps				(Meter 4	Run) (P	rover) Size	
Pressure Build	dup:	Shut in 10/	<u>/19</u> 20	14 at 8	00	(PM)	Taken_10)/20	20	0 14 at 8:00	(AM)(PM)	
Well on Line:				at		(AM) (PM)	Taken		20	0 at	((AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shu	t-in <u>24</u>	Hours	
Oynamic S	namic Size Prove		Pressure Differential in Inches H _o 0	Flowing Well Head Temperature t t		Wellhood Pressure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		d Produced Barrels)	
Shut-In				•		220	psia .	150	psia				
Flow													
	,		T -		FLOW STE	REAM ATTR	IBUTES					r. ·	
Plate Coeffictient (F _b) (F _p) Mcfd	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _o		Flowing Temperature Factor F _{rt}	Fa	iation ector = pv	Metered Fid R (Mcfd)	ow GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
	<u> </u>		l	(OPEN FLO	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P		07	
°c)2 =	-	(P _w) ² =		P _d =		% (1	o - 14.4) +	14.4 = _	:		,) ² =		
$(P_o)^2 - (P_g)^2$ or $(P_o)^2 - (P_d)^2$	(F	P _c) ² - (P _w) ²	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 _w ²	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _d ² 1. or 2. and divide		Šlo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		rog	Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
<u> </u>											-		
Open Flow			Mcfd @ 14.6	35 psia		Deliverat	oility			Mcfd @ 14.65 p	 sia		
	rsigner	d authority o	•		tates that I			o make t	he above ren	ort and that he h		ledge of	
	-	•	aid report is true			•			·	- and that he h		₂₀ <u>14</u> .	
						-					KANSAS C	Receive CORPORATION	
		Witness (r Company		<u> 80 VC</u>	
		For Comm	nission						Ch	ecked by	CONS	ERVATION E WICHITA, K	

l d	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	t status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
and the correct of equip I he	at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records oment installation and/or upon type of completion or upon use being made of the gas well herein named. Preby request a one-year exemption from open flow testing for the Hobbisiekfen #2-9
•	
	(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
staff as	orther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: _	10/23/2014
	Signature: Ruis Wand
	Title: Regulatory Coordinator

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. KANSAS CORPORATION COMMISSION