KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

7,10

Type Test				(See Instruct	tions on Rev	erse Side)			
	en Flow			Test Date	9 :			API	No. 15		
De	liverabilty			10/01/2	013			15	077-21489	9 ~ 0000	
Company Atlas Op		LLC				Lease KERNC	HAN			,	Well Number 5
		Locatio E/2-E/2		Section 7			TWP 31		W)	Acres Attributed	
Field SPIVE	Y GRAE	38		Reservoir MISSIS				Gas Gat	hering Conne K	ection	
Completic				Plug Bac 4517	k Total Dept	h		Packer S	Set at		
Casing Size Weigh 4 1/2 10.5		-	Internal (Diameter	Set at 4518		Perforations 4388-4407		то 4410-4414		
		Weight		Internal Diameter		Set at		Perforations		То	
Type Con		• • • •			d Production	n		Pump Ur	nit or Traveling	Plunger? Yes	/ No
	Thru (A	nnulus / Tubing)		arbon Dioxi	de		% Nitrog		Gas Gr .676	avity - G _p
Vertical D						sure Taps			<u></u>	(Meter I	Run) (Prover) Size
		10/0	4	42 1	PIPE	-	40			4	
Pressure	Buildup:	Snut in								13 at 11:10a	
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
		.			OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hour
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₀ 0	Flowing Temperature t	Well Head Temperature t	ature (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		paig (i iii)	Inches 11 ₂ 0			psig 120	psia	psig 75	psia		
Flow	•						•				iii
					FLOW STR	EAM ATTRI	BUTES				
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or trover Pressure psia	Press Extension P _m xh	Grav Fac	tor 1	Temperature Factor		viation Metered Flor actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
		1					<u> </u>			<u>. l</u>	
(P _c) ² =	:	(P _w) ² =_	:	(OPEN FL		ERABILITY) % (P	CALCUL , - 14.4) +		:	(P _a) ⁻	2 = 0.207 2 =
(P _c) ² - (F or (P _c) ² - (F		(P _e) ² - (P _w) ²	thoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2, and divide	P2-P2	Slope 	sure Curve e = "n" or igned rd Slope	nх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				-				-			
Open Flor	w		Mcfd @ 14.	65 psia	.	Deliverabil	litv		<u></u>	Mcfd @ 14.65 psi	a
<u> </u>		ed authority on			states that h			n maka #		rt and that he ha	
		ein, and that sai				· .			ecember	r and that He Ra	, 20 <u>13</u> .
idola 31	aco alei	om, unu mat odi	a roport is title	, and 001166		C WIC!		La, or	his 1	laner R	,
		Witness (if	any)		JA	N 0 2 20)14		For C	Company	
		For Commis	sion			RECEIV	ED.		Chec	cked by	

	eclare 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 tha	t 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
• •	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
I he	ereby request a one-year exemption from open flow testing for the KERNOHAN #5
gas we	ll 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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as	necessary to corroborate this claim for exemption from testing.
Date: _1	2/31/2013
	\mathcal{O}_{+}
	Signature: Chio Walle Ch
	Title: Regulatory Coordinator
	TRIB: 1.09 dialory Cooldinator

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 KCC WICHITA ecember 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.

JAN 02 2014