KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:;				((See Instruc	tions on Re	everse Side	;)					
√ Op	en Flo	w			Test Date	.			ΔPI	No. 15				
De	liverab	ilty			08/08/2				077-	2 107 8-00-0	00			
Company Atlas Op		ıg Li	_C				Lease Dirks			21,446	6	Well N	umber	
County Harper S				Location S2-NE-SW-SE		Section 29		TWP 31S		RNG (E/W) 9W		Acres Attribut		
Field Spivey-Grabs-Basil			Reservoir MISSISSIPPI				Gas Gathering Cor				DEC KCC W			
Completic			idl			SIPPI k Total Depi			Packer S	perating LL(<i>3</i>		DEC	
01/21/20		в			4454	k lotal Depi	ırı		racker 3	ei ai			KOO	
Casing S 4 1/2	ize		Weight 10.5		Internal Diameter		Set at 4590		Perforations 4406		То 441	7	JCC W	
Tubing Si 2 3/8	ze		Weigh	t	Internal Diameter 2		Set at 4409		Perforations		То			
Туре Соп	ngletio	n (De	escribe)			id Production		97	Pump Un	it or Traveling	Plunger? Ye	s / N		
Sing	<u>le (</u>	G	as +0il))		WATER			NO					
Producing Thru (Annulus / Tubing)			.069	Carbon Dioxi	de		% Nitrogen 27.742		Gas	Gas Gravity - G _e				
Vertical D	eptri(H	l)				Pres	sure Taps				(Met	er Run) (I	Prover) Size	
Pressure	Buildu	p: :	Shut in 08/	08 2	0 12 at		(AM) (PM)	Taken_08	3/09	20	12 at		(AM) (PM)	
Well on L	ine;		Started	20) at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Sh	ut-in	Hour	
Static /	ic / Orifice Circle one: Pressure		Flowing Well Head		Casing Wellhead Pressure		Tubing		Duration		Limited December and			
Dynamic Property	Size (inche	Prover Press			Temperature t	Temperature t	lemperature (P) or (P)				(Hours)	1 .	Liquid Produced (Barrels)	
			psig (Pm)	Inches H ₂ 0	`		psig	psia	psig	psia				
Shut-In							175	-	75				······································	
Flow														
				· · · · · · · · · · · · · · · · · · ·	1	FLOW STR	EAM ATTE	RIBUTES						
Plate Coeffiecient		Circle tine: Meter or		Press Extension	Grav	· 1 7	emperature		viation Metered Flow		1		Flowing Fluid	
(F _p) (F _p)		Prover Pressure psia		✓ P _m ×h	Fac F	ioi	Factor Fa		actor A F _{nv} (Mcfd)		(Cubic Barr		Gravity	
Mcfd			psia	.,,	 		F,,					· · · · · · · · · · · · · · · · · · ·	G _m	
					(OPEN FL	OW) (DELIV	ERABILITY	/) CALCUL	ATIONS			$(P_a)^2 = 0.1$	207	
P _c)² =		:			P _d =		% (1	P _c - 14.4) +	14.4 =	:		$p_{d}^{a})^{2} = _{}$		
(P)2 · (F) 12	(P)2_(P_)2	Choose formula 1 or 2:	LOG of		1 '	essure Curve		ГЪ		0	pen Flow	
or	,	ζ.	(P _w) ² - (P _w) ²	2. P _c ² -P _c ²	formula 1. or 2.			or-	n x L	og	Antilog		liverability s R x Antilog	
(P') (F	3)*			divided by. P _c ² -P _w ²	and divide by:	P, 2 - P, 2		ssigned dard Slope					(Mcfd)	
Open Flov			i	Mcfd @ 14.6	55 psia		Deliverat	oility			Mcfd @ 14.65	psia		
·		aned	Lauthority o	n behalf of the		states that he			make the				viedne of	
				id report is true			•			•	TEANU THAT HE		•	
			Wilness (i	any)			ü			For C	ompany			
	·		For Comm	ssion		 	-			Chec	ked by			

KUU INIIOLUA

l declare u	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request
	under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
	regoing pressure information and statements contained on this application form are true and
	est of my knowledge and belief based upon available production summaries and lease records
	stallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby re	quest a one-year exemption from open flow testing for the
	grounds that said well:
(Ch	eck one)
Γ	is a coalbed methane producer
Ţ	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
•	ree to supply to the best of my ability any and all supporting documents deemed by Commissio
taff as neces	eary to corroborate this claim for exemption from testing.
)ate: 12/12/2	012
)ate: 12/12/20	012
Date: 12/12/20	012
Date: <u>12/12/2</u> 0	012
Oate: 12/12/20	16-1-00-0
Date: 12/12/20	Signature: 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.