Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:	:				(5	See Instructi	ions on Reve	erse Side,)				
✓ Opt	en Flov	٧			Tool Date	_			401	N- 45			
Del	iverabi	lty			Test Date 10/15/20					No. 15 191-10240-0	001		
Company Atlas Op		g LL	.C				Lease Hudson				4-1	Well Nu	ımber
County Sumner			Locatio		Section 10		TWP 35S		RNG (E/	W)		Acres /	Attributed
Field Fall Cree	k				Reservoir MISSIS			,		hering Conne ipeline Mid C		K	CC.
Completic 11/1995	n Date	•			Plug Back 4449	Total Dept	h		Packer S 4311	set at		JA	
Casing Si	ze		Weight 20 & 2		Internal D 6.33	iameter	Set at 4776		Perfo 434	rations 7	то 4367	, RE	CC WICE
Tubing Si 2 3/8	ze		Weight 4.7	1	Internal D 1.995	iameter	Set at 4311		Perfo	rations	То		CIVED
Type Com Single ((De	escribe)		• •	d Production	n		Pump Ur PUMP	nit or Traveling UNIT	Plunger? Ye	s / No	
Producing Tubing	Thru	(Anr	nulus / Tubing)	% c .3220	arbon Dioxi	de	<u>-</u> .	% Nitrog 11,5	en	Gas (Gravity - (G _o
Vertical D	epth(H)				Pres	sure Taps				(Mete	r Run) (P	rover) Size
Pressure	Buildu	p: :	Shut in	15 2	0_15 at 1	D:10 AM	(AM) (PM)	Taken_10)/15	20	15 at 10:10	MA C	(AM) (PM)
Well on L	in e :	;	Started	2	0 at <u></u>		(AM) (PM)	Taken		20	at		(AM) (PM)
				·	ı	OBSERVE	D SURFACE				Duration of Sh	ut-in_24	Hours
Static / Dynamic Property	Orifi Siza (incha	е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P _t	ressure	Wellhe	Tubing rad Pressure r (P _t) or (P _c) psia	Duration (Hours)	Liqu	id Produced (Barrels)
Shut-In							100	•	95				
Flow						<u> </u>					<u>. </u>		
						FLOW STE	REAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Grav Fac F _e	tor	Flowing Temperature Factor F _{II}	Fa	iation ictor	Metered Flov R (Mcfd)	w GC (Cubic Barr	Feet/	Flowing Fluid Gravity G _m
												_	
(P _c) ² .=		_:	(P _w) ² =	:	(OPEN FL		/ERABILITY) % (P.	CALCUL - 14.4) +		:		$P_a)^2 = 0.3$ $P_a)^2 = 0.3$	207
(P _c) ² - (l	Ì	(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: $P_c^2 - P_w^2$	LOG of formuta 1. or 2. and divide	P _c ² -P _w ²	Šlop Ass	sure Curve e = "n" origned ard Slope	l n x	LOG	Antilog	De	pen Flow diverability is R x Antilog (Mcfd)
									İ			+	
Open Flo	w			Mcfd @ 14	.65 psia		Deliverabi	lity			Mcfd @ 14.65	l psia	
The	unders	igne	d authority, or	n behalf of the	Company,	states that h	ne is duly au	thorized t	o make t	he above repo	ort and that he	has kno	wledge of
the facts s	tated t	here	in, and that sa	aid report is tru	e and correc	t. Executed	this the 31	ST	day of _	ECEMBER		,	20 _15
			Witness (i	f any)			-			; For	Company		
			For Comm	ission			_			Che	cked by		
			2, 23,401	=						Jiic			

		ws of the state of Kansas that I am a for the operator Atlas Operating LLC	•
		tatements contained on this applicati	
	•	ed upon available production summar	
, -		etion or upon use being made of the gr	as well herein named.
		en flow testing for the Hudson 4-1	
gas well on the gr	rounds that said well:		
-	is a coalbed methane producer is cycled on plunger lift due to w is a source of natural gas for injuities on vacuum at the present time is not capable of producing at a see to supply to the best of my ability ty to corroborate this claim for exe	daily rate in excess of 250 mcf/D	
	Sìgnatui Tit	re:	

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.