## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruc	tions on Rev	erse Side	<del>?</del> )				
<b>✓</b> Op	en Flo	w			Test Date	··				No. 15			
De	liverab	ilty			08/13/20					'-21734-00-0	00		
Company Atlas Op		ıg Ll	_C				Lease Dirks			<u> </u>		Well Number 9	
County Harper			Location N2,N2,		Section 33		TWP 31S	·	RNG (E. 9W	W)		Acres Attributed	
Field Spivey C	Grabs-	-Bas	il	····	Reservoir Mississi	_			Gas Gat Pionee	hering Conne	ection		
Completic 04/05/20		e			Plug Bac 4533	k Total Dep	th	<u> </u>	Packer 5	Set at			
Casing S 4 1/2	ize		Weigh 10.5	t	Internal Diameter		Set at 4548		Perforations 4430		То <b>4445</b>		
Tubing Size 2 3/8			Weigh 4.7	t ·	Internal Diameter		Set at <b>4441</b>		Perforations		То		
Type Con Casing	npletio	n (De	escribe)	. , .		d Productio			Pump U	nit or Traveling	Plunger? Yes	/ No	
	g Thru	(Anı	nulus / Tubing	1)		arbon Diox	ide	<u> </u>		jen	Gas Gravity - G		
ANNUL	.US				0.0811			1!		41	0.7050		
Vertical D	epth(F	1)		<del>- 1</del>		Pres	sure Taps				(Meter I	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in _08/	13 2	0_13_at		(AM) (PM)	Taken_08	3/14	20	13 at	(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 Hour	
Static /	Orifi	ce	Circle one: Meter	Pressure	Flowing	Well Head	Casir	-		lubing	D	1:-:15	
Dynamic Property	Siz (inch		Prover Pressu	1	Temperature t	Temperature t	Wellhead F (P <sub>w</sub> ) or (P <sub>i</sub>		re Wellhead Pressure Duration Liq $(P_u)$ or $(P_t)$ or $(P_c)$ (Hours)		Liquid Produced (Barrels)		
	(411011		psig (Pm)	Inches H <sub>2</sub> 0		<u> </u>	psig	psia	psig	psia	<del></del>	ļ	
Shut-In							100		50				
Flow							<u> </u>						
						FLOW ST	REAM ATTRI	BUTES			-		
	Plate		Gircle one: Meter or	Press	Grav		Flowing Dev		viation Metered Flow		w GOR	Flowing	
	Coefficient (F <sub>b</sub> ) (F <sub>a</sub> )		weter of over Pressure	Extension	Fact F <sub>s</sub>	101	Factor		actor R F <sub>pv</sub> (Mcfd)		(Cubic Fe	et/ Fluid Gravity	
Mcfd			psia	√ P <sub>m</sub> xh	- ' '		F <sub>f1</sub>	<u> </u>	pv	(MCIU)	Barrel)	G <sub>m</sub>	
		<del></del>			(OPEN EL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS				
(P <sub>c</sub> ) <sup>2</sup> =		<del>_</del> :_	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =		•	, - 14.4) +		::	(P <sub>a</sub> )	? = 0.207 ? =	
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_a)^2$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2 1. P <sub>c</sub> <sup>2</sup> · P <sub>e</sub> <sup>2</sup>	LOG of			sure Curve e = <b>"n"</b>				Open Flow Deliverability Equals R x Antilog	
				2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	formula 1. or 2. and divide	D2 D2	1	or ianed	. nx	LOG	Antilog		
	•			divided by: $P_c^2 - P_w^2$	by:	P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>	Standa	rd Slope	_			(Mcfd)	
Open Flo	l w			Mcfd @ 14.	 65 psia	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Deliverabil	lity			Mcfd @ 14.65 psi	a	
The u	unders	igned	d authority, or	behalf of the	Company, s	tates that h	ne is duly aut	horized t	o make th	ne above repo	rt and that he ha	s knowledge of	
the facts s	tated t	herei	n, and that sa	id report is true	and correc	t. Executed	this the 31	st	day of D	ecember		, <sub>20</sub> _13	
			tado.	<del></del>	KCC	: MiCi	11 <b>7</b> 4		121	is W	aneck	······································	
	·		Witness (if	<u>-</u>	JAN	1 <u>0 2  2</u> 0	J14				company		
			For Commi	ssion	R	ECEIV	ED			Chec	ked by		

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	ot status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
	nat the foregoing pressure information and statements contained on this application form are true and
	t to the best of my knowledge and belief based upon available production summaries and lease records
-	ipment installation and/or upon type of completion or upon use being made of the gas well herein named. nereby request a one-year exemption from open flow testing for the <u>Dirks # 9</u>
	ell on the grounds that said well:
,uo 11	
	(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 f	urther agree to supply to the best of my ability any and all supporting documents deemed by Commiss
staff a	s necessary to corroborate this claim for exemption from testing.
Date:	12/31/2013
	Signature: Law Warrel
	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.

JAN 02 2014

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