KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test			4.11		.,	See Instruct	tions on Rev	erse Side)				
		N/			•				,				
Open Flow Deliverabilty					Test Date: 09/15/2015			API No. 15 15-077-21720-00-00					
Company Atlas Operating LLC						Lease Green				_	V	Vell Number 8	
County Location Harper N2,N2,NE,NW				Section 32				RNG (E/W) 9W			cres Attributed		
Field Spivey-Grabs-Basil					Reservoir Mississippi			Gas Gathering Connection Pioneer					
				Plug Bac 4538	Plug Back Total Depth			Packer Set at					
Casing Size Weight 4 1/2 10.5#				Internal Diameter 4.052		Set at 4590		ations	То 4424				
Tubing Size Weight 2 3/8" 4.7#			Internal [Internal Diameter Set at 1.995 4410			Perforations		То				
Type Completion (Describe) Casing				Type Flui	Type Fluid Production OIL & WATER			Pump Unit or Traveling Plunge Yes-Pump		Plunger? Yes	/ Ño		
	a Thru	(Anr	nulus / Tubin	a) '		% Carbon Dioxide			% Nitrogen		Gas Gra	Gas Gravity - G	
Producing Thru (Annulus / Tubing) ' ANNULUS						.0891			21.5836		.730	•	
Vertical Depth(H)						Pressure Taps			_		(Meter F	Run) (Prover) Size	
Pressure	Buildu	p: :	Shut in	15	20 15 at 1	0:40 AM	(AM) (PM)	Taken_09	9/16	20	15 at 10:40 A	AM_ (AM) (PM)	
Well on Line: Started2					20 at) at /		(AM) (PM) Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA		-	Duration of Shut-i	n_24Hours	
Statio 4	Orifi		Circle one:	Pressure		Τ	Casi		, T	ùbing	Daration of Share	1	
Static / Orifi Dynamic Siz Property (inch		e Prover Pressure		Differential ure in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (P _t) or (P _c)		(P.,-) or	ad Pressure (P,) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	-		posg (i iii)	Money 1120			psig 175	psia	psig 75	psia			
Flow								·					
						FLOW STF	REAM ATTRI	BUTES	 				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m xh	Gravity Factor F _a		Flowing Temperature Factor F _{ft}		iation ictor pv	Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
					_								
(P _c) ² =	_	_;	(P)² =	:;	•	OW) (DELIV	'ERABILITY) % (P		ATIONS 14.4 =	:	(P _s) ² (P _n) ²	= 0.207 =	
				Choose formula 1 or .	2:	$\overline{\vdash}$	i	sure Curve	1			Open Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		2.		1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide P 2.		Slope = "n"		n × 106		Antilog	Deliverability Equals R x Antilog	
	1			divided by: P _c ² -P _c	2 by:	P _c ² - P _w ²	Standa	ard Slope	-	L _		(Mcfd)	
											-		
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia							
		•	•				\ \\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			•	rt and that he ha	_	
the facts s	tated t	herei	n, and that s	aid report is tru	e and correc	t. Executed Rece		31	day of			, ₂₀ <u>15</u> .	
	_		Witness ((if any)	KAN	ISAS CORPORA	TION COMMIS <u>S</u>	ION		For C	Company		
			For Comr	nission		U_MAL_	4 2016 _			Char	sked hv		

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exempt status under Rule K.A.R. 82-3-304 and that the foregoing pressure informati correct to the best of my knowledge and b of equipment installation and/or upon type	der the laws of the state of Kansas that I am authorized to request on behalf of the operator Atlas Operating LLC ion and statements contained on this application form are true and belief based upon available production summaries and lease records of completion or upon use being made of the gas well herein named. In from open flow testing for the Green #8
is on vacuum at the pre is not capable of produ	ft due to water gas for injection into an oil reservoir undergoing ER esent time; KCC approval Docket No ucing at a daily rate in excess of 250 mcf/D of my ability any and all supporting documents deemed by Commission
Date: 12/31/2015	
Received Kansas corporation commission JAN 0 4 2016 CONSERVATION DIVISION WICHITA, KS	Signature:

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.