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

Type Test	t:		,			(	See Instruc	tions on Re	verse Side	) )				
Open Flow Deliverabilty			Test Date: 09/12/2015				API No. 15 15-077-21497-0000							
Company						09/12/20	715	- Lease		15.	0//-2149/-		Vell Nu	mher
Atlas Op		ıg Ll	-C					KERN	OHÁN			·	6	
County Location HARPER SW-NW-NE				Section 7		TWP 31	(=)		Acres Attributed					
Field SPIVE	Y GR	AB	s			Reservoir MISSIS			Gas Gathering Conne ONEOK			ection		
Completic 01/12/0		e				Plug Baci 4520	k Total Dep	th		Packer	Set at		_	
Casing Size Weight 4 1/2 10.5				Internal E	iameter		Set at 4522		rations 1'-4379'	то 4419'-4422'				
Tubing Size Weig			Weigl 4.7	nt		Internal Diameter			Set at		orations	То		
Type Con		n (De				Type Flui	d Productio	n			nit or Traveling UNIT	Plunger? Yes	/ No	
		(Anı	nulus / Tubin	g)			arbon Diox	ide		% Nitros		Gas Gra	avity - C	 à_
ANNUL		,								`		.676	•	Ü
Vertical E 4542	Pepth(F	l)					Pres PIPI	sure Taps				(Meter F 4	Run) (Pi	rover) Size
Pressure	Buildu	p:	Shut in _09/	12	20	15 at 2:			Taken 09	9/13_	20	15 at 2:00 P	М(	 AM) (PM)
Well on L	.ine:		Started		20	) at		(AM) (PM)	Taken			at		AM) (PM)
				_			OBSERVE	D SURFAC	E DATA			Duration of Shut-i	24	Hours
Static /	Orifi	ce	Circle one:	Press		Flowing	Well Head	. Cas	sing	1	Tubing			
Dynamic Property	Dynamic Size		Meter Prover Press			Temperature t		Wellhead (P <sub>w</sub> ) or (F	Pressure	Wellhead Pressure. (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches	. ⊓ <sub>2</sub> 0			120	psia	psig 95	psia		-	
Flow						<u>-</u>		123		1	<u> </u>		``	
			I				FLOW ST	REAM ATTR	IBUTES	<u> </u>			<u> </u>	` `
Plate			Circle one:	Pre		Grav	ity	Flowing	Dev	iation	Metered Flo	w GOR		Flowing
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> )		Meter or Prover Pressure		Exten		Fact F <sub>a</sub>	or	Temperature Factor	Fa	ctor	R (Mcfd)	(Cubic Fee	et/ Fluid Gravity	Fluid Gravity
Mcfd	·		psia	,,	n^''			F <sub>ft</sub>	<u> </u>	. <u> </u>	(Wicia)	Salleij		G <sub>m</sub>
			<u>-</u>	<u> </u>		40000								
(P <sub>c</sub> ) <sup>2</sup> =		:	(P )²=		•			'ERABILITY % (F	) CALCUL ] - 14.4) +			(P <sub>a</sub> )² (P <sub>d</sub> )²	= 0.2	07
		_	( w/	Choose formu	 la 1 or 2:				ssure Curve			( 4/		
(P <sub>c</sub> ) <sup>2</sup> - (f or (P <sub>c</sub> ) <sup>2</sup> - (f	P <sub>e</sub> )²	(P	)2- (P <sub>w</sub> )2	1. P <sub>c</sub> ²- 2. P <sub>c</sub> ²-	P <sub>2</sub> <sup>2</sup>	LOG of formula			pe = "n" - or	n x	LOG	Antilog	Deli	en Flow iverability
(P <sub>c</sub> ) <sup>2</sup> - (F	P <sub>d</sub> ) <sup>2</sup>		I	2. P <sub>c</sub> <sup>2</sup> -		1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		signed ard Slope				-	R x Antilog ( Mcfd)
Open Flor	w			Mcfd (	@ 14.6	35 psia		Deliverat	oility			Mcfd @ 14.65 psia	a	
											-	rt and that he has		_
the facts s	tated t	nerei	n, and that s	aid report i	is true	and correct	_		<u>vin</u>	day of <u>L</u>	ecember		, 2	<u>15</u> .
			Witness (	if any)		K	Re Ansas Corpo	eceived ORATION COM	MISSION		p	·		
							IAN	0 4 2019	3			Company		
			For Comm	niggion							Cha	rked by		_

CONSERVATION DIVISION WICHITA, KS

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exempt status und and that the foreg correct to the bes of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC going pressure information and statements contained on this application form are true and tof my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
	ounds that said well:
_	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
	Received Signature:  KANSAS CORPORATION COMMISSION  Title: Engineer  JAN 0 4 2016  CONSERVATION DIVISION WICHITA, KS

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.