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 09/16/20			API No. 15 15-077-21734-00-00							
Company Atlas Op		na Lĺ	 -C		00/10/2		Lease Dirks					Well Nu	mber	
County Location			Section			TWP RNG		 (W)			Attributed			
Harper N2,N2,SW,NW			33		318			9W						
Field					Reservoir					hering Conn	ection			
Spivey Grabs-Basil				Mississi	· ·		Pionee		r					
Completion Date 04/05/2011			Plug Bac 4533	k Total Dep	th 	Packer Set at		Set at 						
Casing Size 4 1/2			Weigh 10.5	nt	Internal [Internal Diameter		Set at 4548		rations 0	то 4445			
Tubing Size 2 3/8			Weigh 4.7	nt	Internal I 2	Internal Diameter 2		Set at 4441		rations	То			
Type Con Casing	npletio	n (De	escribe)			d Productio	n		Pump U Yes-P	nit or Traveling ump	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide				jen	Gas Gravity - G				
ANNULUS			١		.115				10.09	9	.7110	.7110		
Vertical Depth(H)					Pressure Taps					(Meter	Run) (P	rover) Size		
4560								-			4			
Pressure	Buildu		Shut in <u>09/</u>								15 at 10:45		(AM) (PM)	
Well on L	.ine:		Started	;	20 at		(AM) (PM)	Taken		20 	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in} _24	Hours	
Static /	Orifice Size (inches)		Circle one: Meter	Pressure Differential	Flowing	Well Head		Casing Wellhead Pressure		Tubing	- Duration		Liquid Produced	
Dynamic Property			Prover Press	I	lemperature	Temperature t	(P _w) or (P			r (P _t) or (P _c)	(Hours)	(Barrels)		
Shut-in							100		50	pole				
Flow						l					li		l	
·					<u> </u>	FLOW ST	REAM ATTR	IBUTES	<u> </u>			<u> </u>		
Plate	,		Circle one:	Press	Grav	dib.	Flowing			Make west Flori			Flowing	
Coeffiecient		Meter or Prover Pressure		Extension	Grav Fact	tor	Temperature	1	iation ctor	Metered Flow	v GOR (Cubic Fe	et/	Fluid	
(F _b) (F _p) Mcfd		-10	psia	✓ P _m xh	F		Factor F _{rt}	F	pv	(Mcfd)	Barrel)		Gravity G _m	
	-			 		-	<u></u>						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
L				<u></u>	(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS	<u> </u>		- 2 = 0.2	07	
(P _c) ² =		<u>:</u>	(P _w) ² =	::			% (F	- 14.4) +	14.4 =	: :	(P _d)			
(P_)2- (F	P.)2	(F)2-(P)2	1. Pe ² · Pa ²	2: LOG of			sure Curve		ГЭІ		Or	en Flow	
Or Or		(P _c) ² - (P _w) ²		2. P _c ² -P _d ²	formula 1, or 2.		Slope = "n"		n x LOG		Antilog		iverability R x Antilog	
(P _c)*- (F	ا ۱۰,۳			divided by: P 2 - P	and divide	P _c ² -P _w ²		signed ard Slope	1				(Mcfd)	
-									-		<u> </u>			
Open Flor	w			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a		
The i	unders	igned	d authority, o	n behalf of the	Company, s	tates that h	ne is duly au	thorized to	o make th	ne above repo	rt and that he ha	s know	ledge of	
the facts st	tated t	herei	n, and that s	aid report is tru	e and correct	t. Executed	this the 3'	IST	day of _	ECEMBER			20 15 .	
	. <u> </u>	_	22.0		KANSAS	Receiv CORPORATIO	ed on commission	١			<u></u>			
Witness (if any)						JAN 0 4 2016				For Company				
-			For Comn	nission		NSERVATION	_			Chec	ked by			
					00	WICHITA								

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the
gas well on the grounds that said well:
(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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 12/31/2015
Signature:
Received Title: ENGINEER KANSAS CORPORATION COMMISSION
JAN 0 4 2016
CONSERVATION DIVISION WICHIFA. 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.