KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instructions on Reverse Side)												
Open Flow						Test Date:					API No. 15						
Deliverabilty						09/12/2015						077-21272-0					
Company Atlas Operating LLC						Lease Kernohan								4-7	Vell Nu	ımber	
County Location Harper NE SW NE						ction			TWP 31S				Acres Attributed				
Field SPIVEY GRABS						servoir	r SSIPPI	 I		Gas Gathering (ONEOK			onnection				
Completion Date 12/29/1993						ig Bac \$21'	k Total D	Dept	h	Packer Set at							
Casing Size Weight 5 1/2 14					Int	Internal Diameter			Set at 4519		Perfo 438	rations	То 4458				
Tubing Size Weight 2 7/8					Int	ernal [Diameter	,	Set at 4482		Perfo	Perforations			То '		
Type Completion (Describe) CASING						Type Fluid Production OIL & WATER					Pump Ui	nit or Traveling	ger? Yes. / No				
Producing Thru (Annulus / Tubing) ANNULUS						% Carbon Dioxide					% Nitrogen			Gas Gravity - G			
Vertical Depth(H) 4520						Pressure Taps					· -			(Meter f	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in 00	9/12	20_15	at_1	:30 PM	<u> </u>	(AM) (PM)	Taken_09)/13		15 a		M	 (AM) (PM)	
									M) Taken								
				-			OBSEF	RVE	D SURFACE	DATA			Durati	on of Shut-	n_24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press psig (Pm)		al Temperat		Well Head re Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In		psig (Fili)		THETHES TI2	-				125	psia	psig 70	psia			,		
Flow										-				-			
				-			FLOW 9	STR	EAM ATTRIE	BUTES						,	
Plate Coeffictient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension ✓ P _m x h		Gravity Factor F _g		Flowing Temperature Factor F _{1t}		Deviation Factor F _{pv}		Metered Flov R (Mcfd)	v	GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
				f								<u> </u>					
(P _c) ² =		_:	(P _w)² =	·:	(OP	P _d =		داد ا س%	ERABILITY) 6 (P _o	- 14.4) +		:			= 0.2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 of 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - F_a^2$	L f	LOG of formula 1. or 2. and divide by:		2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		/A	/Antilog De		pen Flow iverability R x Antilog (Mcfd)	
			-			_	<u>.</u>										
Open Flow		,		Mcfd @ 1	4 65 pc	neia			Deliverability				, Mcfd @ 14.65 psia				
		iane	d authority o	n behalf of th			tatos the	at he			make the					ladma of	
				aid report is tr									rtanu			20 <u>15</u> .	
									Received ORPORATION C						-		
			Witness ((if any)				_J/	AN 04 <u>2</u>	045		For C	Company				
~			For Comr	nission			C		ERVATION DIV WICHITA, KS			Chec	ked by	•			

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 Kernohan #4-7
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: 12/30/2015
Date: 12/30/2010
Signature:
Received 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.