KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		_		(See Instruc	tions on Re	verse Side)						
	en Flo				Test Date	3 :			API	No. 15					
De	liverab	oilty			08/22/2	014				077-21536-0	000				
Company Atlas Op	/ eratir	ig LL	-c				Lease Darne:	s A				٧	Vell Nur 5_	nber	
County Harper			Locat NW-N		Section 18		TWP 31S		RNG (E/	W)		P	Acres A	ttributed	
Field SPIVE	- Y-GR	(AB	S-BASIL		Reservoi Missis	-				hering Connu r Exploration					
Completic 12/21/2		te	·		Plug Bac 4547'	k Total Dep	th	-	Packer S	et at	•	·			
Casing Si 4.5"	ize		Weigh 10.5#		Internal I 4.052"	Diameter	Set at 4576'		Perforations 4422'		то 4430'				
Tubing Si 2 - 3/8"	ize		Weigh 4.7#	nt	Internal I 1.995"	Internal Diameter Set at 1.995" 4476'			Perforations T			То	Го		
Type Con Single (•	Type Flui Oil & V	d Production	n		Pump Un	it or Traveling Unit	Plunger?	Yes	/ No		
		(Anı	nulus / Tubin	g)	% (Carbon Dioxi	ide		% Nitrog	en		Gas Gra	vity - G	Ìg	
Annulus												* =) O:	
/ertical D)epth(H					Pres	sure Taps					2	lun) (Pr	over) Size	
Pressure	Buildu	ıp:	Shut in 08/	22	20 14 at 1	2:00	(AM) (PM)	Taken_08	3/23	20	14 at_	12:00	(AM) (PM)	
Well on L	ine:		Started		20 at		(AM) (PM)	Taken		20	at _		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration	of Shut-i	_{n_} 24	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential ure in Inches H _n 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration - (Hours)		Liquid Produced (Barrels)		
Shut-In							95	poid	80	рзіц					
Flow									ı						
		_			· ·	FLOW STF	REAM ATTR	IBUTES							
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle ono: Meter or over Pressure psia	Press Extension √ P _m xh	Extension Fact		Flowing Temperature Factor F _{tt}	perature Factor		ctor R		w GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELIV	/ERABILITY) CALCUL	ATIONS			(D.)2	= 0.20		
P _c) ² =		:	(P _w) ² =	=:	P _d =		% (1	P _c - 14.4) +	14.4 =	:		(P _d) ²			
(P _c) ² - (I or (P _c) ² - (I	P _a)²	(F	P _c)²- (P _w)²	Choose formula 1 or 1. P _c ² -P _s ² 2. P _c ² -P _d ² divided by: P _c ² -P _d	LOG of formula 1. or 2.	P _c ² · P _w ²	Slo	assure Curve pe = "n" - or ssigned lard Slope	nxl	og [Antii	log	Deli Equals	en Flow verability R x Antilog Mcfd)	
					_		<u> </u>								
Open Flo	w			Mcfd @ 14	.65 psia		Deliverat	oility			Mcfd @ 1	4.65 psia	a	•	
The	unders	igne	d authority, o	on behalf of the	Company.	states that h	ne is duly a	uthorized t	o make th	e above reno	rt and the	at he has	s knowl	edge of	
				aid report is tru			_			eptember				14 .	
			448-	C. C. a. a.			-					- KVN67	Re s corpo	ceived	
			Witness ((If any)						For C	company	TAMENA		AND DISTRIBUTE OF	

	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
	poing pressure information and statements contained on this application form are true and
	t of 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.
	est a one-year exemption from open flow testing for the Darnes A #5
gas well on the g	ounds 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
<u></u>	is not capable of producing at a daily rate in excess of 250 mcf/D
l further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: 09/29/2014	
Date: 09/29/2014	<u> </u>
Date: 09/29/2014	<u>·</u>
Date: <u>09/29/201</u> 4	·
Date: 09/29/2014	Signature: Rus Wauch
Date: <u>09/29/201</u> 4	Signature: Rus Waruch
Date: <u>09/29/201</u> 4	Qu'o 1 Sauce h

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.

Receive

Received

KANSAS CORPORATION COMMISSION