KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	ctions on Re	verse Side)					
Open Flow				Toot Date	Test Date: API No. 15									
Deliverabilty						10/20/2014				095-21936-(0000			
Company Atlas Op		ıg, L	LC.				Lease CB Rar	nch			1	Well Nu	ımber	
County Kingman			Location CSW-SE-NE		Section 16		TWP 29		RNG (E/W) 7W			Acres Attributed		
Field Spivey Grabs			•	Reservoir Mississi			Gas Gathering Connection West Wichita Gas			ection				
Completion Date 05/10/2005					Plug Bac 4541	Plug Back Total Depti 4541		Packer Set a 4183		let at				
Casing Size 4 1/2			Weight 10.5		Internal Diameter		Set at 4600		Perforations 4504		то 4508	то 4508		
Tubing Size 2 3/8			Weight 4.7		Internal Diameter		Set at 4183		Perforations 4125		То	то 4135		
Type Completion (De Casing					Type Flui Oil & V	id Productio						s / No		
Producing Thru (Ann			nulus / Tubing	3)		Carbon Diox	ride	% Nitroge 2.850				Gas Gravity - G _g .6577		
Vertical D		1)			Pressure Taps							(Meter Run) (Prover) Size		
4600						Pipe					4			
Pressure	Buildu	p:	Shut in	20 2	0 14 at 1	2:00	. (AM) (PM)	Taken 10	0/21	20	14 at 12:00		(AM)(PM)	
Well on L	ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at		(AM) (PM)	
-						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	_{in_} 24	Hours	
Static / Orifice Dynamic Size Property (Inches		8	Circle one: Meter Prover Pressu	Pressure Differential in	ial Flowing Well		Head Wellhead Pressu (P_w) or (P_1) or $(P$		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)		Liquid Produced (Barrels)	
<u> </u>	(IIICII		psig (Pm)	Inches H ₂ 0	· · · · · ·	, t	psig	psla	psig	psia		 		
Shut-In							120		55	-				
Flow								<u> </u>				<u> </u>		
	1		Circle one:			FLOW STI	REAM ATTE	IBUTES	- 1				T	
Plate Coeffictient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension P _m xh	Extension Fac		Flowing Temperature Factor F _{tt}	emperature Fa		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =	<u> </u>	_:	(P _w) ² =	:	•	• •	/ERABILITY % () CALCUL = - 14.4) +		<u> </u>	(P _a) (P _d)	² = 0.2 ² =	207	
$(P_c)^2 - (P_B)^2$ or $(P_c)^2 - (P_d)^2$		(F	P _e) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_a^2 - P_d^2$	1. P _c ² -P _a ² LOG of formula		Sto	Backpressure Curve Slope = "n" or Assigned		.og	A ntilog Ec		Open Flow Deliverability quals R x Antilog	
ļ	-			divided by: P _c ² - P _w		P ₀ ² -P _w ²	Stand	lard Slope		<u> </u>			(Mcfd)	
Open Flo	w			Mcfd @ 14	.65 psia		Deliveral	oility			Mcfd @ 14.65 ps	ia		
The	unders	igne	d authority, o	n behalf of the	Company, s	states that I	he is duly a	uthorized to	o make th	e above repo	ort and that he ha	ıs know	rledge of	
the facts s	tated t	here	in, and that sa	ald report is tru					day of D	ecember	······································	·	20 <u>14</u> .	
			Läftenner P	(new)		KCC V	VICHIT	<u> </u>		e . 4				
			Witness (i		··	JAN 0	5 2015				Company	<u> </u>		
			For Comm	ission		REC	EIVED			Che	cked by			

	under the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator Atlas Operating, LLC						
and that the foregoing pressure inform	ation and statements contained on this application form are true and						
correct to the best of my knowledge and	d belief based upon available production summaries and lease records						
of equipment installation and/or upon ty	pe of completion or upon use being made of the gas well herein named.						
I hereby request a one-year exemp	tion from open flow testing for the CB Ranch #1						
gas well on the grounds that said well:							
201 . 1							
(Check one)	o producer						
is a coalbed methan							
	is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER						
	present time; KCC approval Docket No						
is not capable of pro	oducing at a daily rate in excess of 250 mcf/D						
I further agree to supply to the best staff as necessary to corroborate this of	t of my ability any and all supporting documents deemed by Commission claim for exemption from testing.						
Date: 12/29/2014							
KCC WICHITA JAN 05 2015	Signature: \(\lambda \text{WW Wall} \) Title: Regulatory Coordinator						
RECEIVED							

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.