STP Test

For Commission

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

CC WICHITA

Type Te	Type Test:					(See Instructions on Reverse Side)						
Open Flow Deliverabilty					Test Date:			API No. 15			DEC 19 2016 RECEIVED	
taland (finance agencies) states a supprepayance graphs and the finance of the suppression of the superior of					11/14/	16 	Lease		15	-119-21385	-00-00	Well Number
O'BRIEN ENERGY RESOURCES CORP.					KEYSTONE					1-5	AAAN MONDO	
County MEAD	•			Section 5		TWP 33S		RNG (E 29W	/W) .		Acres Attributed	
Field			Reservo			,	, Gas Gathering Con DCP MIDSTREAM			e e e e e e e e e e e e e e e e e e e		
Completion Date 3-10-15				Plug Ba	ck Total Dep	oth	Packer Set at ' \ NONE		-		4.	
Casing S	Casing Size 4.5			Weight 10.5		Internal Diameter		Set at 6385		rations 7	то 5725	
	Tubing Size V		Weigh 4.7		internal	Internal Diameter		Set at		rations	To	<u>*</u>
7 Type Completion (Describe) SINGLE GAS				id Productio	n .	Pump Unit or Travelin			g Plunger? Yes	7 No		
Producing Thru (Annulus / Tubing)			% Carbon Dioxide							iravity - G		
TUBING			0.100				7.515	, =	.690	•		
Verlical Depth(H) 5721			Pressure Taps FLANGE						(Meter 3.06	Run) (Prover) Sizo 8"		
Pressure Buildup: Shut in 11/13/16			0at_1230 (AM) (PM) Taken			Taken 1	1/14/16		1230 at	(AM) (PM)		
Well on L	.ine:	8	Started	2	!0 at		(AM) (PM) Taken		20	at	(AM) (PM)
· · · · ·			<u>-</u>	1.		OBSERVE	D SURFAC	E DATA		-	Duration of Shu	t-in 24.0 Hours
Static / Orifice Dynamic Size Property (inches)		.	Circle one: Pressure Meter Differentia		Flowing Well He		wellhead Pressure		. Tubing . Walihead Pressure		Duration (Hours)	Liquid Produced (Barrels)
		psig (Pm)		Inches H ₂ 0	1	1	(P _w) or (P ₁) or (P _c) psig psia		(P _w .) or (P ₁) or (P _c) psig psia		(110013)	
Shut-In				,			588.6	603.0	618.4	631.6	24.0	
Flow									,			
						FLOW STR	EAM ATT	RIBUTES .				
Plate Coefficient (F _b) (F _p) Mold		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fact	or T	Flowing Temperature Factor F ₁		riation uctor = pv	Metered Flor R (Mcfd)	GOR (Cubic Fee Barrel)	eet/ Fluid Gravity
								- 				
			<u> </u>		/OBEN EL (OW) (DELIVI	EDARII ITY	A CALCIII	ATIONS		<u> </u>	
(P _e) ² =		. :	(P _w) ² =_	<u> </u>	P _d =	• •		P _e - 14.4) +		:) ² = 0.207) ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e)? - (P _w)2		1, P ₂ ² - P ₂ ² 2, P ₂ ² - P ₃ ² vided by: P ₂ ² - P ₃ ²	LOG of lomula 1. or 2. and divide p 2. p		Backpressure Curve Slope = "n"		n x LOG		Antilog	Open Flow Deliverability Equals R x Antillog (Mcfd)
				wasa oy: i e - r **	1	<u> </u>			<u> </u>		5	
					 							
Open Flov	v			McId @ 14.	65 psia		Deliverat	oility			Mcfd @ 14:65 ps	ia
The u	ndersig	neid	authority, on	behalf of the	Company, s	tales that he	e is duly a				rt and that he ha	•
he lacts st	ated the	erein,	and that said	d report is true	and correct	. Executed				OVEMBER		, 20 2016
Сору	to	KC	C Winess (II a	hita	`	· · · · · · · · · · · · · · · · · · ·	_	Preci	310n (Direlin	end TEST	ing
'//			AAMUG22 (IL E	"";;					-1	1 1	7.19011 A	_

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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 O'BRIEN ENERGY RESOURCES CO
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.
hereby request a one-year exemption from open flow testing for the KEYSTONE 1-5
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; KGC 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: 12/13/16
Date: /Z////
Signature:
Title: Vice Provident
· · ·

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.

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