KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	t:				(See Ins	tructions on F	Reverse Sid	ie)					
∐ Ot	en Flo	w			Test Date				AD	l No. 15				
De	liverab	oilty			4/14/20				15.	-007-21148	-000)			
Company Indian (o., Ir	1C.				Lease Swar	tz OWW)		, 1	Well Nu	mber	
County Location Barber N2 NE			Section 31		TWP 31	•		/W)	Acres A 320		ttributed			
Field Whelan				Reservoi Elgin	Reservoir Elgin			Gas Gathering Connection West Wichita Gas Gathering						
Completion Date 6/21/1999				Plug Bac 3500 C		Depth		Packer in none	Set at					
Casing S 5.5	asing Size Weight .5			Internal Diameter			Set at 4728		orations 2	то 3337				
Tubing Size Weight 2.375			Internal Diameter			Set at 3332		orations N	То					
Type Cor	npletior	n (D	escribe)		Type Flui	Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No Pumping Unit				
Producing	-	(Ani	nulus / Tubing)	% C	arbon [Dioxide		% Nitro	gen	Gas G	ravity - 0		
Vertical E		1)			·········	ı	Pressure Taps				(Meter	Run) (Pi	rover) Size	
Pressure	Buildu	ın:	Shut in Apri	l 13	0 13 at		(AM) (PI	4) Takan ^A	pril 14	20	13 at		AM) (PM)	
Well on L	,						. , .	•			at			
·····						OBSE	RVED SURFA	CE DATA			Duration of Shut	:-in	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential re in Inches H _a 0	Flowing Temperature t	Well He Tempera t	weilher (P _w) or	(P _w) or (P _t) or (P _c)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			paig (ciii)	incres ri _g o			110	psia	110	psia	24			
Flow														
						FLOW	STREAM AT	RIBUTES		r	+			
Plate Coefficeent (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Over Pressure psia	Press Extension Pmxh	ctension Fac		Flowing Temperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	w GOR (Cubic Fo Barrel)	eet/	Flowing Fluid Gravity G _m	
					(ODEN EL	OW\ (DI	ELIVERABILIT	EX) CAL CI	II ATIONS			······································		
P _c)2 =		:	(P _w) ² =	<u> </u>	P _d =		%	(P _c - 14.4)		:	(P _a)	$)^2 = 0.2$ $)^2 =$	07	
$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 \cdot P_d^2$ Sivided by: $P_c^2 - P_a^2$	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _d ² 1, or 2. and divide		2	Backpressure Curve Slope = "n" or Assigned Standard Slope		roe	Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	\Box													
One = 51-	w			Mcfd @ 14.	65 psia		Deliver	ability		-	Mcfd @ 14.65 ps	 sia	·	
UPOR FIX		•	d		, , , , , , , , , , , , , , , , , , , ,	states th		· • • • • • • • • • • • • • • • • • • •	to make <u>t</u>	<u>he abo</u> ve repo	ort and that he h		to egbel	
The				id report is true		t. Exec	uted this the	<u> </u>	_ day of	Jugae	·//		20 <u>/</u>	
				id report is true		t. Exec	uted this the	<u> </u>	_ day of _	1 7	Company	KC(20 <u>1∕0</u> . C WIC!	

exempt statu and that the correct to the of equipment	under penalty of perjury under the laws of the state of Kansas that I am authorized to request s under Rule K.A.R. 82-3-304 on behalf of the operator Indian Oil Co., Inc. foregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named.
	request a one-year exemption from open flow testing for the <u>Swartz OWWO</u> ne grounds that said well:
l further	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 agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nece Date: <u>6/25/2</u>	ssary to corroborate this claim for exemption from testing.
	Signature: Czeliz Dillon Title: Secretary-Treasurer

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.