KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(-	5ee instruc	tions on Heve	erse Side,	,					
Ор	en Flow				Test Date	.			API	No. 15				
√ Del	iverabill	ty'			10/12/20					5-00186-000	<u> </u>			
Company Discover		ral Resourc	es LL	.c			Lease Zirkle				1	-24	Number	
County Location Finney C NW/4				Section 24		TWP , 21S			(E/W) /		Acres Attributed 546 607 CONSERVATION CONSER			
Field Hugoton				Reservoir Chase (Gas Gathering Conne OneOk			ection		SAS CORPORATION		
Completion Date 4/08/1961				Plug Bacl 2690'	k Total Der	oth	Packer		Set at		C _{ONS}	PCT 28 20)		
Casing Size Weight 4.1/2" 9:5#				Internal D	Diameter		Set at 2695'		Perforations 2634-2638'		์ 664-2686	RVATION DIVISION		
Tubing Size Weight 2 3/8"				Internal D	Diameter		Set at 2691'		Perforations		o e			
Type Completion (Describe) Single (Gas)				Type Flui Water	d Production	on	Pump Unit or Traveling Yes, Insert Pump			Ò	Yes / No			
Producing Thru (Annulus / Tubing)					arbon Diox	dde	_		='		as Gravity	- G _p		
Annulus Vertical Depth(H)				0.02	Dro	ssure Taps	43.48			0.783 (Meter Run) (Prover) Size				
2690'	ehui(H)					FIE	ooure raps				n)	noter muri) ((Tovei) Size	
	Buildup	: Shut in	0/12	20	15 at 0	2:55 PM	_ (AM) (PM)	Taken 10	/13	20	15 at 02	2:55 PM	(AM) (PM)	
Well on Li	ine:	Started		20) at		_ (AM) (PM) ⁻	Taken	 	20	at		_ (AM) (PM):	
						OBŠERV	ED [®] SURFACE	DATA		<u>.</u>	Duration of	Shut-in 2	4 Hours	
Static / Dynamic, Property	Orific Size (inche:	ze ; Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(Pw) or (Pi) or (Pc)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig. psia		Duratio (Hours	1 '	Liquid Produced (Barrels)	
Shut-In	J.						70	psia	psig.	psia	24			
Flow	- Ja,	in limyong.												
						FLOW ST	REAM ATTRI	BUTES			- 1			
Plate Coeffictient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psta		Press Extension P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{rt}	Fac	eviation Metered Factor R F _{pv} (Mcfr		(Ci	GOR ubic Feet/ Barrel)	Flowing Fluid Gravity G _m	
				- ; ;		.		<u> </u>						
(P _c) ² =		: (P.,) ² =	<u>.</u>	(OPEN FLO		VERABILITY) % (P.	CALCUL , - 14.4) +		:		$(P_a)^2 = 0$ $(P_d)^2 =$	0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² - P _a ² 2. P _c ² - P _d ² ded by: P _c ² - P _d ²	P _c ² -P _s ² LOG of formula P _c ² -P _d ² 1, or 2, and divide		Slope	ssure Curve pe = "n" n x signed ard Slope		roe	Antilog	, □	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			_			-			<u> </u>					
Onen Fle				Motel @ 444	SE poio		Dalksarahii	litu			Mojdia 44	65 poic	,	
Open Flor		<u>-</u>		Mcfd @ 14.6	•		Deliverabil	<u> </u>			Mcfd'@ 14.			
									o make ti day:of:_C	he above repo October	rt and that		owledge of , 20 15 .	
tne facts si	ated the	erein, and tha	ır said	report is true	and correc	π. ⊨xecute	d this the 26		aay:of: <u>~`</u> ,	Scr	£100 a	$\frac{1}{}$, 20 <u>10</u> .	
		Witne	ıss (if ar	ıy)				~~	WY NC	For C	Company		-	
.		For C	ommiss	ion			.—			Che	cked 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 Discovery Natural Resources 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 Zirkle 1-24 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. Received KANSAS CORPORATION COMMISSION
Date: October 26, 2015 OCT 28 2015 CONSERVATION DIVISION WICHITA, KS Signature: Bonnu Scofuld Title: Regulatory Supervisor

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.