KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instru	ictions on He	everse Side	<i>)</i>		•		
Open Flow			Test Date:				API No. 15 -023-20502-00-00							
Del	liverabi	ity				,cor Date						1		
Company Founda		Ene	rgy Mana	ger	nent, LLC	;		Lease ZWEYGAF	 RDT		1		Well No 33-	
County Location CHEYENNE NWSE				Section 32		TWP 3	TWP 3S		/W) 1.W		Acres Attribut			
Field CHERRY CREEK				Reservoir NIOBR			·	Gas Gathering Conn Southern Star/Ki						
Completion Date 6/16/2003				Plug Bac 1518'	k Total De	epth		Packer	Set at		-X	CC W		
Casing Size			Weight			Internal Diameter		Set	Set at		orations	То	-	7/0_
7", 41/2"							8, 4.052		256', 1565'		1387'	1425		<u> </u>
Tubing Size Weight 2-3/8 4.3			7 4 %	Internal E	Diameter .995	Set	Set at Perforation 1363'		orations	То		ECEIVE		
Type Con	npletion	(De	scribe)				d Product	ion	1,000	Pump U	nit or Traveling	Plunger? Yes	/ No	
SINGL	Ė (G	AŚ)	·			SALT	SALTWATER			Y			Yes-Rod Pump	
_	_	(Anr	ulus / Tubin	g)		% C	arbon Dio	xide	-	% Nitro	gen '	Gas Gr	avity -	Ġ _g
ANNUL			•					essure Taps'		· · · · ·		/Mater	D.m.\ (E	Prover) Size
Vertical D	epin(n				. t.			·	1			·	,	
Pressure	Buildup); {	Shut in	³ /	24 20	15 at 9	9:00 AM	(AM) (PM)	Taken		20 .	at		(AM) (PM)
Well on L	ine:	. ;	Started	3/	25 20	15 at 8	9:45 AM	(AM) (PM)	Taken		20	at		(AM) (PM)
			-,				OBSER	/ED SURFAC	E DATA			Duration of Shut-	in24	4.75 Hou
Static / Dynamic Property	Orific Size (inche	ze Prover Pressi		ure	Pressure Differential in Inches H ₂ 0	Flowing Temperature t "	Well Head Temperatu t	Wellhead (P,) or (f	Casing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)		ild Produced (Barrels)
Şhut-In			paig (i iii)		Inches (1 ₂ 0		ı.	106	psia	psig	psia psia		 	
Flow								. ,				٠.	,	
			<i>.</i>		•		FLOW S	TREAM ATT	RIBUTES					
Plate Coefflecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh		Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
· !				ļ.								,		<u> </u>
-						(OPEN FL	OW) (DEL	IVERABILITY	r) CALCUL	ATIONS	v	(P _a)	i ² = 0.2	207
(P _a)² ≟		_:	(P _w) ² =	_	: :	.P _d =	<u> </u>	_% (P _o - 14.4) +	14.4 = _	: :	(P _d)	² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P _o) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				. er PIGI	outer in the state of the state			J. Stain	* * ****** *	,	,	•	<u> </u>	
		1			,		1				:			
Open Flow Mcfd @ 14.65				55 psia		Deliveral	Deliverability		Mcfd @ 14.65 psia					
			l authority, o						uthorized t	o make I	•	t and that he ha	is knov	vledge of 20
	·		Witness (if arm	1		<u>,</u>		· · · · · · · · · · · · · · · · · · ·		. Enr C	ompany	<u></u>	
	-1		••mess (6119	,	<u>.</u>			•		Fuf C			_
-			For Comm	nissio	n						Chec	ked by	ı	

exempt status under Rule K.A.R and that the foregoing pressure correct to the best of my knowle of equipment installation and/or I hereby request a one-year gas well on the grounds that sain (Check one)		is application form are true and on summaries and lease records de of the gas well herein named.
⊢	methane producer	Pr 18 2015
=	plunger lift due to water f natural gas for injection into an oil reservoir u	undergoing ER
├	at the present time; KCC approval Docket No	
is not capabl	e of producing at a daily rate in excess of 250) mcf/D
	the best of my ability any and all supporting de te this claim for exemption from testing.	ocuments deemed by Commission
	Signature:OPERATION	Mather) ONS ASSISTANT

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.