## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(	See Instru	uction	ns on Re	verse Side	e)					
Op	en Flo	w				Test Date	a•				۸۵	l No. 15				
De	liverab	ilty				rest Date						-023-20841-	00-00			
Company FOUND		V EN	NERGY MA	NA	GEMENT,	LLC			Lease ZWEYG	SARDT			1	V 13-31	Vell Nu	mber
County CHEYE	NNE		Loca NWS\			Section 31			TWP 3S		RNG (E 41W	E/W)		Α	cres A	ttributed
Field CHERR	Y CRI	EEK				Reservoir NIOBRA						thering Conr		MORG	SAN	
Completi 6/18/200		e				Plug Bac 1697'	k Total De	epth	•		Packer	Set at				
Casing S 7", 41/2"	ize		Weig 17#,		.6#	Internal E 6.538",			Set a 321	at ', 1739'	Perf	orations 98'		536'		
Tubing S 2-3/8""	ize		Weig 4.7#			Internal D	Diameter		Set 8		Perf	orations	Т	ō		
Type Cor			escribe)		· .		d Producti	ion				Init or Travelin		Yes /	No	
Producing		(An	nulus / Tubio	ng)		% C	arbon Dio	oxide			% Nitro	gen	G	as Gra	vity - G	9
Vertical D		1)					Pre	essur	re Taps				1)	Meter R	un) (Pr	over) Size
Pressure	Buildu	p:	Shut in 2/	11	2	0 15 at 1	1:30 AM	1 (A	M) (PM)	Taken		20	o at		(	————— AM) (PM)
Well on L	ine:		Started 2/	2	20	0 <u>15</u> at 1	1:30 AM	<u> </u>	M) (PM)	Taken		20	) at		(	AM) (PM)
-			<u>-</u>				OBSERV	/ED S	SURFAC	E DATA			Duration of	f Shut-ir	24	Hours
Static / Dynamic Property	ynamic Size		Prover Press		Pressure Differential in	Flowing Temperature t	Well Head Temperatur	I	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>l</sub> ) or (P <sub>c</sub> )		Duratio (Hours	4	Liquid Produced (Barrels)	
Shut-In	-		psig (Pm	'	Inches H <sub>2</sub> 0			+	psig	psia 70	psig	psia_	-			
Flow																
							FLOW ST	TREA	M ATTR	IBUTES						
Coeffied (F <sub>b</sub> ) (F	Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) P Mofd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> xħ	Fact	Gravity Factor F <sub>g</sub>		Temperature		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		(C	GOR (Cubic Feet/ Barrei)		Flowing Fluid Gravity G <sub>m</sub>
						(ODEN EL	OW (DEL	WED	A DU PTV	) CALCUI	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup>		<u>-</u> :_	OPEN FLO		_%_		o - 14.4) +		:		(P <sub>a</sub> ) <sup>2</sup>	= 0.20 =	.7 
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(F	)²- (P <sub>w</sub> )²	2	ose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> led by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>	LOG of formula 1, or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>*</sub> <sup>2</sup>		Sior As	ssure Curve pe = "n" - or signed ard Slope	n x	LOG	Antilog	9 .	Deliv Equals	en Flow verability R x Antilog Mcfd)
			-		/ ' C ' W											
			i					_L							<u> </u>	
Open Flo	w				Mcfd @ 14.	oo psia			Deliverab	ouity			Mcfd @ 14.	.65 psia	l	
		-	-						-			he above repo	ort and that	he has		-
he facts s	tated tl	nerei	n, and that s	aid	report is true	and correc	t. Execute	ed thi	is the 6		day of	MARCH		_	Recei	<sub>10</sub> <u>15                                    </u>
			Witness	(if any	<i>(</i> )				-			For	KA! Company			ION COMMISSION
			For Com	missio	n				_			Che	ecked by	MA	<u> </u>	6 2015
													•		ERVATION WICHIT	A, KS ON DIVISION

		y under the laws of the state of Kansas that I am authorized to request
		-304 on behalf of the operator Foundation Energy Management, LLC
		mation and statements contained on this application form are true and
correct to the be	st of my knowledge a	nd belief based upon available production summaries and lease records
	·	type of completion or upon use being made of the gas well herein named.
l hereby req	uest a one-year exem	ption from open flow testing for the _ZWEYGARDT 13-31
gas well on the g	rounds that said wel	:
(Chec	is on vacuum at the	
-		est of my ability any and all supporting documents deemed by Commission claim for exemption from testing.
-		claim for exemption from testing.
staff as necessa		claim for exemption from testing.
staff as necessa		claim for exemption from testing.  Received  KANSAS CORPORATION COMMIS  MAR 1 6 2015
-		claim for exemption from testing.
staff as necessa		Received KANSAS CORPORATION COMMIN MAR 1 6 2015  CONSERVATION DIVISION WICHITA, KS  Signature:
staff as necessa		Received KANSAS CORPORATION COMMIS MAR 1 6 2015  CONSERVATION DIVISION WICHITA KS
staff as necessa		Received KANSAS CORPORATION COMMIN MAR 1 6 2015  CONSERVATION DIVISION WICHITA, KS  Signature:

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.