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

	t: pen Flov eliverabi				Test Date		ctions on Rev	erse Side	ÁPI	l No. 15				
Company		y					Lease		15-	.023-21230-0		Well Nur	mber	
FOUNDATION ENERGY MANAGEMENT, L				<u> </u>			WIESE			34-5	34-5			
County Location CHEYENNE NE-NE-SW-SE				Section 5		TWP 4S			/W)	•	Acres Attributed			
Field CHERRY CREEK				Reservoir NIOBRARA						g Connection N STAR/KINDER MORGAN				
Completion Date 9/17/2010			_	Plug Bac 1513'	k Total Dep	th		Packer Set at						
Casing Size 7", 4½"			Weigh 20#,		Internal Diameter 6.456", 4.0"		Set at 221', 1555'		Perforations 1352'		To 1412'			
Tubing Size 2-3/8"			Weigh 4.7#	t	Internal Diameter 1.995"		Set at 1396'		Perforations		То	То		
Type Con			escribe)		Type Fluid Production SALTWATER				Pump Unit or Traveling P YES, ROD PUMP			lunger? Yes / No		
SINGLE (GAS) Producing Thru (Annulus / Tubing)					Carbon Diox	ie		% Nitrogen			Gas Gravity - G <sub>g</sub>			
ANNUL Vertical C		)				Pres	ssure Taps				(Meter I	Run) (Pr	over) Size	
			044			0.00.514								
Pressure Buildup:			Shut in :		0 15 at 13:00 PM		(AM) (PM) Taken		20		at	at (AM) (PM)		
Well on L	ine:	:	Started 2/12	22	15 at 1	3:00 PM	(AM) (PM) 1	Taken		20	at	(/	AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	<sub>in</sub> _24	Hours	
Static / Orifice Dynamic Size			, Circle one: Meter Prover Pressu	Pressure Differential re in	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Duratioດ (Hours)	Liquid Produced (Barrels)		
Property	(inche	es)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig psig			psia	(Flourd)			
Shut-In								55						
Flow							<u> </u>					<u>.</u>		
	1				<del>-</del>	FLOW STE	REAM ATTRIE	BUTES				ı		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Grav Fac F	tor	emperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
		<b>.</b> .,	·-											
					(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS	·	(P <sub>a</sub> )	²= 0.20	)7	
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>a</sub> =		% (P <sub>o</sub>	- 14.4) +	14.4 =	<u></u> :	(P <sub>d</sub> )			
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P	$(P_o)^2 - (P_w)^2$ Choose formula 1: $P_o^2 - P_a^2$		LOG of formula		Backpressure Curve Slope = "n"		n x 106			Open Flow		
$(P_o)^2 - (P_d)^2$			2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 \cdot F_d^2$		1. or 2. and divide p 2_p 2		Assigned Standard Slope				Antilog	Antilog Equals R x Anti (Mcfd)		
											-			
Open Flor	w			Mcfd @ 14	.65 psia		Deliverabil	ity			Mcfd @ 14.65 psi	ia _		
		-	•		•		-				rt and that he ha		•	
the facts s	tated th	erei	n, and that sa	id report is tru	e and correc	t. Executed	this the 16		day of	ECEMBER		, 2	15	
			Witness (if	any)	KAI	Rei NSAS CORPO	Ceived RATION COMMIS	SION		For C	Company			
							2 1 2015							
			For Comm	polUII		ひにし	4 1 ZUIJ			CHEC	ked by			

CONSERVATION DIVISION WICHITA, KS

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 Foundation Energy Management, 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 WIESE 34-5 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; 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.
Signature: Laulin O'hon Title: HSE/Regulatory Tech

## 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.