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

= :	: en Flo liverab				Test Date		tions on Rev	erse Side	API	No. 15 <b>023-20947-</b> 0	00-00	
Company FOUNDATION ENERGY MANAGEMENT, LLC							Lease ZWEYGARDT			Well Number 33-33		
County Location CHEYENNE NWSE					Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed	
Field CHERRY CREEK					Reservoir NIOBRARA					ias Gathering Connection		 GAN
Completion Date 4/4/2008					Plug Bac 1592'	k Total Dept	th		Packer Set at			
Casing S 7", 41/2"	ize		Weigh 17#,			Internal Diameter 9-7/8",61/4"		Set at 242', 1635'		rations 2'	то 1434'	
Tubing Si 2-3/8""	ze		Weigh 4.7#	t	Internal Diameter 1.995"		Set at <b>1490'</b>		Perforations		То	
Type Completion (Describe) SINGLE (GAS)					d Production	<u> </u>	Pump Unit or Trave YES		nit or Traveling	ng Plunger? Yes / No		
Producing Thru (Annulus / Tubing) TUBING					% C	arbon Dioxi	de		% Nitrogen		Gas Gravity - G <sub>g</sub>	
Vertical D		<del>1</del> )				Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	ıp:	Shut in _1/8	2	0 14 at 9	:45 AM	(AM) (PM)	Taken		20	at	(AM) (PM)
Pressure Buildup:       Shut in 1/8												
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	n_24.50 Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H <sub>2</sub> 0	Flowing Well Head Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-İn	Shut-İn						<del>                                     </del>	74	puig	polic		
Flow		_										
Disas			Circle one:				Flowing	BUTES				Flowing
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>c</sub> ) Mcfd		Pro	Meter or ver Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		V GOR Flow (Cubic Feet/ Gra Barrel) G	
										•		
(D.)2			/D \2				ERABILITY)					= 0.207 =
		$(P_c)^2 - (P_w)^2$		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P.2-P.2	Backpressure Curve Slope = "n" Assigned Standard Slope		laxios		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
						_					_	
												<u> </u>
Open Flor				Mcfd @ 14.			Deliverabil				Mcfd @ 14.65 psia	
											rt and that he has	
						Re	Ceived RATION COMMI					
			Witness (ii	any)			15 2014				ompany	
			For Comm	ssion	· · · · · ·	CONCEDUA				Chec	ked by	

ander the laws of the state of Kansas that I am authorized to request 24 on behalf of the operator Foundation Energy Management, LLC ation and statements contained on this application form are true and belief based upon available production summaries and lease records be of completion or upon use being made of the gas well herein named. Son from open flow testing for the ZWEYGARDT 33-33
e producer  lift due to water  gas for injection into an oil reservoir undergoing ER  present time; KCC approval Docket No  ducing at a daily rate in excess of 250 mcf/D  of my ability any and all supporting documents deemed by Commission
aim for exemption from testing.
Signature: Mull Mathur  Title: OPERATIONS 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.