KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruct	ions on Rev	erse Side)				
Open Flow				Test Date:			ΔDI	No. 15				
Deliveral	bilty			iesi Dale	:.				023-20900-0	00-00		
Company FOUNDATION ENERGY MANAGEMENT,			LLC		Lease ZWEYGARDT				22-04	Well Number 22-04		
County Location CHEYENNE NW-NW-SE-NW			Section 4		TWP 4S		RNG (E/W) 41W		Acres Attributed			
Field CHERRY CREEK			Reservoir NIOBRARA				Gas Gathering Co SOUTHERN STA		nection R/KINDER MORGAN			
Completion Date 5/28/2008			Plug Back Total Depth 1508'		h	Packer Set a		Set at				
Casing Size Weight 7", 4½" 17#, 10.5#			Internal Diameter 9-7/8",61/4"		Set at 208', 1551'		Perforations 1342'		™ 1381'			
Tubing Size 2-3/8""	Size Weight			Internal Diameter 1.995"		Set at 1413'		Perforations		То		
Type Completion (Describe) SINGLE (GAS)				Type Fluid Production SALTWATER				Pump Unit or Traveling Plunger? Yes / No YES				
Producing Thru		s / Tubing)		% C	arbon Dioxi	de		% Nitrog	jen	Gas Gra	avity - G _g	
TUBING Vertical Depth(I	H)				Press	sure Taps	•			(Meter F	Run) (Prover) Size	
remodi Bepinti	• • •				,	out tups				(Motor I	.2., (
Pressure Builde	up: Shut	3/25	2	0_14_at_3:	:00 AM	(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on Line:	Start	ted _3/26	2	0 14 at 9:	:30 PM	(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut-i	n_30.50_Hours	
Static / Orifi	fice	Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casing Welihead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced	
Property (inch	hes Prov	Prover Pressure in psig (Pm) Inches H ₂ 0		t t		(P _w) or (P _t) or (P _c) psig psia		(P _w) o	r (P _t) or (P _c)	(Hours)	(Barrels)	
Shut-In							79					
Flow	-				_							
					FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F _p) (F _p) Mcfd	Mete Prover P	Circle one: Meter or Prover Pressure psia Prover Pressure psia Press Extension Prover Pressure		Gravity Factor F _s		Temperature Fa		riation Metered Flow actor R = (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
-												
				(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	l	(P.)	= 0.207	
(P _c) ² =	_:	(P _w) ² =_	:	P _d =	9	% (Р,	, - 14.4) +	14.4 =	:	(P _a) ²		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c)²-	(P_)²	noose formula 1 or 2: 1. $P_0^2 - P_a^2$ 2. $P_0^2 - P_d^2$ vided by: $P_0^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop Ass	sure Curve e = "n" origned rd Slope	l n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia					Deliverabi	ability Mcfd @ 14.65 psia						
The unders	signed aut	thority, on	behalf of the	Company, s	tates that he	e is duly aut	horized t	o make ti	ne above repo	rt and that he ha	s knowledge of	
the facts stated t	therein, ar	nd that said	d report is true		Pos	المسالة		day of A	UGUST	<u></u>	, 20 <u>14</u> .	
		Witness (if a	ny)			Thom commiss	ION		For C	ompany		
 -		For Commiss	sion		SEP (3 2014_			Chec	ked by		

CONSERVATION DIVISION WICHITA, KS

exempt status under Rule K.A.R. 82-3-3 and that the foregoing pressure inform	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 individual belief based upon available production summaries and lease records
	ype of completion or upon use being made of the gas well herein named.
gas well on the grounds that said well:	otion from open flow testing for the ZWEYGARDT 22-04
is on vacuum at the	·
I further agree to supply to the bes	st of my ability any and all supporting documents deemed by Commission claim for exemption from testing.
Date: 8/29/2014	
	Signature: Male Trather 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 received led 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.