KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	en Flo				(Test Date		tions on Rev	erse Side	, API	No. 15			
Deliverabilty						15-023-20871-00-00 Lease Well Number							
FOUNDATION ENERGY MANAGEMENT, LLC County Location Section						ZWEYGARDT TWP RNG (E/W)			41-34 Acres Attributed				
County Location CHEYENNE NENE				34			38		41W		Notes Authorized		
				Reservoir NIOBRA	Reservoir NIOBRARA			Gas Gathering Connect SOUTHERN STAR/					
•				Plug Bac 1554'	Plug Back Total Depth 1554'			Packer \$	Set at				
Casing Size 7", 4½"			Weigh 17#, 1	10.5#	9-7/8",6	Internal Diameter 9-7/8",61/4"		Set at 212', 1596'		rations 9'	то 1398'	1398'	
Tubing Size 2-3/8""			Wêight 4.7#		Internal Diameter 1.995"		Set at 1416 '		Perforations		То		
Type Completion (Describe)			Type Flui	Type Fluid Production SALTWATER		Рип		Pump Unit or Traveling Plunger? `YES		/ No			
Producing Thru (Annulus / Tubing) TUBING				% C	% Carbon Dioxide			% Nitrogen		Gas Gr	Gas Gravity - G _g		
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size								Run) (Prover) Size					
Pressure	Buildu	ıp:	Shut in 1/9				(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on Line:		Started 1/10) 2	0 <u>14</u> at 8	14 at 8:20 AM ((AM) (PM) Taken		20		at (AM) (PM)		
			•			OBSERVE	ED SURFACE	DATA			Duration of Shut-	24.25 Hours	
Static / Orifice Dynamic Size Property (inches)		e e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Well He Temperature t		Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure {P _w } or (P _t) or (P _c) psiq psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			pang (c.m)	William Tigo			psig	psia 109	psig	psia			
Flow									-				
						FLOW ST	REAM ATTRI	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Faci F _s	or	Flowing Temperature Factor F _{tt}	Fa	lation actor py	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
(P _c) ² =		r	⟨P \²=	:			/ERABILITY) % (P.	CALCUL - 14.4) +		:	(P _a) [;] (P _d) [;]	e = 0.207	
			P _c) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _s ²	LOG of		Backpres	sure Curve		<u></u>	ν α/	Open Flow	
or (P _c) ² -(F		,		2. P _c ² · P _d ²	formula 1. or 2. and divide	P.2- P.2	Ass	e = "n" or igned rd Slope	. ox	rog	Antilog	Deliverability Equals R x Antilog (Mcfd)	
Open Flor				Mcfd @ 14.	65 psia		Deliverabil	litv			Mcfd @ 14.65 psi		
•		igned	d authority, or			tates that h		•	o make th		t and that he ha		
		-		id report is true		t. Executed	this the 11	ed	day of S	•		, 20 _14	
						KANS/	S CURPURATIO	M COMMIS	SION				
			Witness (ii	any)			SEP 15				ompany		
			For Comm	ission		Ċ	NSERVATION WICHITA,	DIVISION KS		Check	red by		

exempt status under Rule K.A.R. 82-3-304 and that the foregoing pressure information correct to the best of my knowledge and be of equipment installation and/or upon type	der the laws of the state of Kansas that I am authorized to request on behalf of the operator Foundation Energy Management, LLC on and statements contained on this application form are true and elief based upon available production summaries and lease records of completion or upon use being made of the gas well herein named. In from open flow testing for the ZWEYGARDT 41-34
is on vacuum at the pre is not capable of produc	as for injection into an oil reservoir undergoing ER sent time; KCC approval Docket No cing at a daily rate in excess of 250 mcf/D my ability any and all supporting documents deemed by Commission
Date: 9/11/2014	
Received Kansas corporation commission SEP 15 2014 Gönservation division Wichita, Ks	Signature: Mall Mather 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.