## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t: ,				(	See Instruc	ctions on Re	verse Side	e)				
Open Flow				Took Date:				API No. 15 023-					
Deliverabilty				Test Date:			20,783 - 0000						
Company	у		<del>`</del>	·		Lease				<u> </u>		Vell Number	
	ation	Ene		gement, LL(								34-32	
CHEYENNE Location SWSE					Section	32	TWP 3S		RNG (E	/w) 1W	,	Acres Attributed	
Field CHERRY CREEK				. –	Reservoi NIOBR	,				thering Conner Morgan/S	ection Southern Star		
Completion Date 8/29/2011					Plug Bac 1670'	k Total Dep	oth .		Packer Set at				
Casing S 7", 4 ½'			Weigh	7# 10.5#	Internal Diameter 6.538, 4.052		Set at 292', 1589'		Perforations 1384'		To 1456'		
Tubing S	ize		Weigh		Internal Diameter		Set at		Perforations		То		
2-3/8" 4.7#					.995		1486'						
Type Completion (Describe) SINGLE					Type Fluid Production SALTWATER				Pump Unit or Traveling Plunger? Yes / No ROD PUMP				
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen		Gas Gravity - G		
ANNULUS									· · · · · · · · · · · · · · · · · · ·				
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size													
Pressure Buildup: Shut in11/620_14 at9:00 AM(AM) (PM) Taken 20 at(AM)										(AM) (PM)			
Well on Line: Started											(AM) (PM)		
	r				1	OBSERVE	ED SURFACE	E DATA			Duration of Shut-i	25 Hours	
Static / Orifice Dynamic Size		e	Circle one: Meter Prover Pressi	Pressure Differential		Well Head Temperature			Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_a)$		Duration (Hours)	Liquid Produced (Barrels)	
Property (incl		psig (Pm)		Inches H <sub>2</sub> 0	o t t		psig			psia	(1.02.0)	(54/1010)	
Shut-In							101						
Flow													
			<del></del>			FLOW ST	REAM ATTRI	IBUTES				· 1	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Tomporatura		viation Metered Flov actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G_m	
			<del></del>	- · · · · · ·							· ·		
	!				(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS			0.007	
(P <sub>c</sub> )² ≈		_:	(P <sub>w</sub> ) <sup>2</sup> =	<u></u> :	P <sub>d</sub> =		•	' <sub>c</sub> - 14.4) +		<u> </u>	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> )² - (P <sub>w</sub> )²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$	P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of formula 1. or 2.		Slop	Backpressure Curve Slope = "n"		LOG	Open Flow Deliverability Equals R x Antile		
(F <sub>c</sub> ) (F <sub>d</sub> ) <sup>2</sup>				divided by: Pc2 - Pw2	and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Assigned Standard Slope					(Mcfd)	
					<u> </u>								
Open Flow Mcfd @ 14.			65 psia Deliverability			ility	Mcfd @ 14.65 psia						
		ignec	authority, or		·	tates that h		<del></del> -	make th		rt and that he has		
the facts si	tated th	nerei	n, and that sa	id report is true	and correct	t. Executed	I this the	31	day of	DEC	EMBER	, 20	
			Witness (i	f any)	KA	Re NSAS.CORPO	Ceived RATION COMMI	ISSION		Fa-0	Company		
			11111000 (1				0 2 2015				, ,		
•			For Comm	Ission		38.61.4	O Z ZUIT			Chec	ked by		

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 theZWEYGARDT 34-32
gas well on the grounds that said well:
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.
12/31/2014 Date:
Received  KANSAS CORPORATION COMMISSION  JAN 0 2 2015  CONSERVATION DIVISION  WICHITA, KS  CONSERVATION DIVISION

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.