KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instru	ctions on Rev	erse Side	e)					
Open Flow Deliverability				Test Date	a:		API No. 15							
		лц					Lease		15-	023-20847-0		Mall Nus		
Company FOUNDATION ENERGY MANAGEMENT, L				LLC		ZIMBELI	MAN		Well Number 32-31			Tiber		
County Location CHEYENNE NW-NE					Section 31			TWP RNG (E/W) 3S 41W		W)	Acres Attributed			
Field CHERRY CREEK				Reservoir NIOBRA					hering Conne IERN STAR	ection VKINDER MORGAN				
2/4/2008		te			Plug B ac 1694'	k Total De	pth		Packer S	et at				
Casing Size 7", 41/2"			Weigl 17#,	nt 10.5#	Internal Diameter 9-7/8",61/4"			Set at 311', 1737'		Perforations 1506'		то 1544'		
Tubing Size 2-3/8""			Weigh 4.7 #	nt	Internal Diameter 1.995"			Set at 1571'		Perforations		То		
Type Con			escribe)			Type Fluid Production SALTWATER				Pump Unit or Traveling Pl YES		Plunger? Yes / No		
Producing	•	(Ani	nulus / Tubin	g)	% C	arbon Dio	xide		% Nitrog	en	Gas Gr	avity - G	9	
Vertical D	epth(l	-I)				Pre	essure Taps				(Meter I	Run) (Pro	over) Size	
Pressure	Buildu	ıp:	Shut in1/1	5 2	0_14_at_1	2:00 PM	(AM) (PM)	Taken		20	at	(/	 NM) (PM)	
Well on Line:			Started 1/16		20 <u>14</u> at <u>12:00 F</u>							t(AM) (PM)		
						OBSERV	ED SURFACE	DATA			Duration of Shut-	in_24	Hours	
Dynamic Siz		ifice Circle one: Meter ize Prover Pressi		Pressure Differential	Flowing Temperature	Well Head Temperatur	l Wollhood Procestro		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration		Liquid Produced	
				ure in Inches H ₂ 0	t	t					(Hours)	(Barrels)		
Shut-In								88						
Flow														
					. ,	FLOW ST	REAM ATTRI	BUTES	1		<u> </u>			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m xh	Extension Fact		tor Temperature		Deviation Metered Flo Factor R F _{pv} (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
										_				
(P _c) ² =		_:	(P _{.w}) ² =	·:	(OPEN FLO		VERABILITY) _% (P。		ATIONS 14.4 =	:	(P _a); (P _d);	² = 0.20 ² =	7	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1. or 2.		Backpressure Curve Slope = "n"				Antilog	Open Flow Deliverability Equals R x Antilog		
(F _c) (F	d)			divided by: $P_c^2 - P_w^2$	and divide by:	P ₀ ² -P _w ²		d Slope		<u> </u>			/Icfd)	
							-				<u> </u>			
Open Flov	N .		·	Mcfd @ 14.	65 psia		Deliverabil	ity	,	 	//cfd @ 14.65 psi	а		
The u	ındersi	ignec	l authority, o	n behalf of the	Company, s	tates that	he is duly aut	horized to	o make th	e above repor	t and that he ha	s knowle	edge of	
the facts st	ated th	herei	n, and that sa	ald report is true		Þ	eceived		day of Al	JGUST		, 2	o <u>14</u> .	
Witness (it any)					KANSAS CORPORATION COMMISSION			For Company						
-			For Comm	nission			0 3 2014			Check	ked by			
						CONSERV WIC	ATION DIVISION CHITA, KS	ı			•			

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 ZIMBELMAN 32-31 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.
Date: 8/29/2014
Signature: Sugal 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 is intended to acquire exempt status for the subject well. The form must be signed and dated on the front side that subject wells are provided in the front side that subject wells.