KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: en Flo	w			(See Instruc	tions on Rev	erse Side	;)					
Deliverabilty					Test Date) :		API №. 15 15-023-21,167-00-00						
Company FOUNDATION ENERGY MANAGEMENT,					LLC		Lease ZIMBELMAN			<u> </u>	Well Number 33-13			
County Location CHEYENNE NW-SE-NW-SE				Section 13		TWP 2S		RNG (E/W) 39W		Acres Attributed				
Field CHERRY CREEK				Reservoir NIOBRA				Gas Gathering Connecti SOUTHERN STAR		ction				
Completion Date 12/2/2008					Plug Back Total Depti 1429'			Packer Set at		Set at				
Casing Size 7", 41/2"			Weigh 17#,		Internal Diameter 9-7/8",61/4"		Set at 190', 1474'		Perforations 1248'		To 1282'			
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"		Set at 1313'		Perforations		То	То		
Type Cor					Type Fluid Production				Pump Unit or Traveling Plung		Plunger? Yes	ger? Yes / No		
Producing Thru (Annulus / Tubing) TUBING					arbon Dioxi	de	e		% Nitrogen		Gas Gravity - G _g			
Vertical E		H)				Pres	sure Taps				(Meter F	Run) (Pr	over) Size	
Pressure	Buildu	ıo:	Shut in3/1	7 2	0 14 _{at} 9:	:30 AM	(AM) (PM)	Taken	· · · · · · · · · · · · · · · · · · ·	20	at		AM) (PM)	
Well on Line:			Started 3/18	32	14 at 10:30 AM		(AM) (PM) Taken				at(AM) (PM)	
							D SURFACE				Duration of Shut-	25	Hours	
Static / Orifice Dynamic Size Property (inches)		ze	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well He Temperature t		Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		i Produced Barrels)	
Shut-In	Shut-In		psig (Fili)	unches H ₂ 0			psig	psia 93	psig	psia	<u>.</u>			
Flow														
					<u>-</u>	FLOW STR	EAM ATTR	BUTES			_		7	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Grav Fact	or	Flowing remperature Factor F _{II}	Fa	riation actor _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
					•		ERABILITY)					= 0.20	07	
(P _c) ² =		_:	(P _w)² =	Choose formula 1 or 2	P _d ⇔			- 14.4) +	- i	: :	(P _d) ²			
$(P_a)^2 - (P_b)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide by:	P.2-P.2	Backpressure Curve Slope = "n"		n x 106		Antilog Del Equals		en Flow verability R x Antilog Mcfd)	
				divided by: $P_a^2 - P_w^2$	5).		Cturida	- Giopo				`		
							<u> </u>							
Open Flor	W			Mcfd @ 14.	65 psia		Deliverabil	ity			/tcfd @ 14.65 psi	a		
		•	5.				•			•	t and that he ha		•	
the facts st	tated t	herei	n, and that sa	id report is true	and correct	Executed KANSAS COR	this the 29 Received PORATION COM		day of A	06081		, 2	20 14 .	
Witness (if any) SEP						0 3 201	4	For Company						
			For Comm	ssion		CONSER	VATION DIVISI CHITA, KS	ON		Check	red 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 the ZIMBELMAN 33-13 gas well on the grounds that said well:
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: Suple Matter 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 and account of annual test results.