KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:						((See Instructions on Reverse Side)										
Open Flow Deliverabilty				Test Date:					API No. 15 023-20768-00-00								
Company Lease Well Number												mber					
Foundation Energy Management, LLC RUEB FARM											31-16						
County Location CHEYENNE NW-NE				Section TWP 16 3S					RNG (E/W) Acr				cres A	ttributed			
Field ARMEL					Reservoir NIOBRARA						ering Conn R MORG						
Completion Date 8/27/2007				Plug Back Total Depth 1704'				Packer S	et at								
Casing Size Weight				Internal D	Diameter		Set at		Perfor		То						
7", 4 ½" 17# 9.5# Tubing Size Weight				9.5#		3, 4.090)	302', 1745' Set at		1542' Perforations			1578' To				
2-3/8" 4.7#				Internal Diameter Set 1.995				612	renoi	alions	,	U					
Type Completion (Describe) SINGLE				Type Fluid Production SALTWATER				Pump Unit or Traveling Plunger? Yes / No ROD PUI					P				
Producing Thru (Annulus / Tubing)					% Carbon Dioxide %					% Nitrogen Gas Gravity - G _g					σ		
ANNULUS Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size												over) Size					
Pressure	Buildu	p:	Shut in	3/	10 2	o_14_at_9	9:30 AM	_	(AM) (PM) T	aken		20	at	-	(AM) (PM)	
Well on Li	ine:		Started	3/	11 20	0 14 at 9	9:30 AM	_	(AM) (PM) T	aken		20	at		(AM) (PM)	
							OBSER\	νEι	D SURFACE	DATA			Duration of	f Shut-i	n_2	4 Hours	
Static / Dynamic Property	namic Size		Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _c) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	``		psig (Pm)		Inches H ₂ 0		-		psig 103	psia	psig	psia					
									100		 		•				
Flow							ELOW 6	TD	EAM ATTRIE	HITEC							
Plata	1		Circle one:	Τ				ı n.	Flowing	DIES			•			Flowing	
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia			Press Extension P _m xh	Grav Fact F _g	tor	Т	Temperature Fa		riation Metered Flow ector R y (Mofd)		y GOR (Cubic Feet/ Barrel)		rt/	Fluid Gravity G _m	
			•														
(D \2 -	(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $ (P_a)^2 = 0.207 $ $ (P_c)^2 = $																
(P _c) ² =		: (P _w) ²		Choose formula 1 or 2:				_% 1	(P _c = 14.4) +		- 1	·				Open Flow	
(P _c) ² - (P _a) ² or		(P _c) ² - (P _w) ²			. P ₂ - P ₃ ²	LOG of formula 1, or 2.			Slope = "n"		n x 106		Antilog		Deli	Deliverability Equals R x Antilog	
or $(P_{c})^{2} - (P_{d})^{2}$		di			ed by: $P_c^2 - P_w^2$	and divide P2-P			Assigned Standard Slope				-		(Mcfd)		
•																	
			ï		-												
Open Flow Mcfd @ 14.				65 psia Deliverability				Mcfd @ 14.65 psia									
The u	ınders	igned	d authority, o	n be	ehalf of the	Company, s	tates that	t he	e is duly auth	norized t	o make th	e above repo	ort and that	he has			
the facts st	tated t	herei	n, and that s	aid r	report is true		R	ec	this the		day of	DE(CEMBER		, 2	0 14 .	
Witness (if any)					JAN 0 2 2015				For Company								
For Commission							CONSERVATION DIVISION					Checked by					
				J-14			MIC	AFI HC	ION DIVISION TA, KS			2/10	•				

exempt status ur and that the fore correct to the be of equipment ins	nder Rule K.A.R. 82-3- egoing pressure inform st of my knowledge ar tallation and/or upon t	304 on behalf of the mation and statement of belief based upon the of completion open floor	e operator Founda nents contained on the on available production or upon use being ma	s that I am authorized to request tion Energy Management, LLC his application form are true and on summaries and lease records ade of the gas well herein named. RUEB FARM 31-16
√ I further agr	is on vacuum at the is not capable of pose to supply to the be	er lift due to water ral gas for injection e present time; KCC roducing at a daily st of my ability any		0
	ry to corroborate this	Claim for exemplic	on nom testing.	
JA Conse	Received Reporation commission IN 0 2 2015 REVATION DIVISION MICHITA, KS	Signature:	OPERATI	IONS 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.