KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side	e)					
Open Flow Deliverability				Test Date:				API No. 15 15-023-20797-00-00						
Company FOUNDATION ENERGY MANAGEMENT, L			LLC		Lease RAILE	Lease			Well Number 21-31					
County CHEYENNE			Locati NENW	ion	Section 31	Section		TWP 3S		/W)		Acres Attributed		
Field CHERR	· · · ·	 EK			Reservoir NIOBRA					thering Conne				
Completion Date 10/9/2007					Plug Bac 1641	Plug Back Total Depth		h		Set at				
Casing Size 7", 41/2"			Weigh 17#, 1			Internal Diameter 6.538, 4.090		Set at 301', 1686'		orations 4'	то 1539'			
Tubing Size 2-3/8"			Weigh 4.7#			Internal Diameter 1.995"		Set at 1 570'		orations	То			
Type Con			escribe)			d Production	n			nit or Traveling PUMP UN		/ No		
Producing	-	(Anr	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitro	gen	Gas Gr	avity - (à,	
Vertical C)		 		Pres	sure Taps	_			(Meter	Run) (P	rover) Size	
Pressure	Buildup):	Shut in 1/1	3 2	15 at 1	1:30 AM	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Line:		;	Started 1/1	1/14 20		4E 0.00 DM						_ at (AM) (PM		
						OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in_} 27	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Presso psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			P 2 5 6 117				psig	psia 80	psig	psia i				
Flow														
				·		FLOW STR	EAM ATTRI	BUTES		 				
Coeffied (F _b) (F	Plate Coefficient (F _b) (F _p) Mcfd		Circie one: Meter or ver Pressure psia	Press Extension P _m x h	Fact	Gravity Factor F _g		Flowing Dev Femperature Fa Factor F		Metered Flow R (Mcfd)	(Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
													_	
(P _c) ² =		:	(P _w)² ≃	:	(OPEN FLO	• `	ERABILITY)	CALCUL 14.4) +		:	(P _a) (P _d)	²= 0.2	.07	
(P _c) ² - (F	- 1	(P	_e) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2, and divide	P _c ² - P _w ²	Backpres Slope Ass	sure Curve = = "n" origned rd Slope	, n x	LOG	Antilog	Op Del Equals	pen Flow iverability R x Antilog (Mcfd)	
		_					<u> </u>							
Open Flo	w			Mcfd @ 14.	.65 psia		Deliverabil	lity			Mcfd @ 14.65 psi	а		
	_		-	n behalf of the aid report is true	- •		•			he above repo	rt and that he ha		ledge of 20 15 .	
uie iduis S	iaieu in	a 1 8 11	ii, aliu liial Si	aid report is trui		Rem	is an al		uay UI			r	·	
			Witness (f any)			JON COMMISSI	ON		For C	отралу			
			For Comm	nission		FEB 0 !				Chec	ked by			
					UL	MUSEKVATIO	M DIMICION							

CONSERVATION DIVISION WICHITA KS

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 <u>Foundation Energy Management</u> , 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
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.
Received KANSAS CORPORATION COMMISSION FEB 0 9 2015 CONSERVATION DIVISION WICHITA, KS

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.