KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instructi	ons on Reve	erse Side	·)				
	en Flow liverabili				Test Date	: :				No. 15 023-20848-0	0-00		
Company FOUNDATION ENERGY MANAGEMENT, I				LLC	. • • • • •	Lease ZIMBELMAN			Well Number 42-31B				
County Location CHEYENNE SENE			Section 31		TWP 3S		RNG (E/W) 41W		Acres Attributed				
Field CHERR	Y CREI	ΕK			Reservoir NIOBRA					hering Conne IERN STAR	ection KINDER MORG	GAN	
Completic 2/8/2008			,		Plug Back 1680'	k Total Depti	1		Packer S	et at			
Casing Size 7", 41/2"			Weight 17#, 1		Internal Diameter 6.538", 4.052"		Set at 326', 1723'		Perforations 1488'		то 1 520 '		
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.991"		Set at 1 53 5'		Perforations		То		
Type Con SINGLE			ribe)		• •	d Production VATER	ı			nit or Traveling ROD PUMF	· · · · · · · · · · · · · · · · · · ·		
Producing ANNUL		Annul	us / Tubing)	% C	arbon Dioxid	le		% Nitrog	en	Gas Gra	wity - G	g
Vertical D	epth(H)					Press	ure Taps				(Meter F	Run) (Pr	over) Size
Pressure	Buildup		ut in _3/10) 2	0_15_at_2	:30 PM	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	ine:	Sta	rted _3/11	2	0 <u>15</u> at 2:	:15 AM	(AM) (PM)	Taken		20	at	(,	AM) (PM)
					-	OBSERVE	SURFACE				Duration of Shut-i	n_24.:	25 Hours
Static / Dynamic Property	Orific Size (inche	Pr	Circle one: Meter over Pressu psig (Pm)	Pressure Differential re In Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P ₁	ressure	Wellhe	Tubing ad Pressure r (P _t) or (P _c) psia	Duration (Hours)		l Produced Barrels)
Shut-In				2				80	pang	paia			
Flow	l											ı	
			 	<u>.</u>	i	FLOW STR	EAM ATTRI	BUTES	-				
Plate Coeffied (F _b) (F Mofd	ient p)	Me Prover	cle one: eter or Pressure osla	Press Extension √ P _m xh	Grav Fac	' I т	Flowing emperature Factor F _{ft}	Fa	viation actor F _{pv}	Metered Flov R (Mcfd)	R (Cubic Feet/ Gra		Flowing Fluid Gravity G _m
				•									
(P _c) ² =		:	(P _w) ² =	:	•	OW) (DELIV	-	CALCUL - 14.4) +		:	(P _a) ²	? = 0.20 ? =	07
(P _c) 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. and divide	P 2 . P :2	Backpres Slop Ass	sure Curve e = "n" or++ igned	9	LOG	Antilog	Op Deli Equals	en Flow verability R x Antilog
	-		- 1	divided by: $P_c^2 - P_w^2$	2 bÿ:		Standa	rd Slope		له يا		<u>'</u>	Mcfd)
				<u>-</u>									
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
	•	•	•				-			·	ort and that he ha		_
the facts s	tated th	erein,	and that sa	id report is true	e and correc				day of	ZOLIVIDEN		, 2	₂₀ <u>15</u> .
	·	····	Witness (ii	any)	K	ANSAS CORPO	CEIVED RATION COMM	ISSION-		For	Company		
		·	For Comm			MAL	0 4 2016			Che	cked by		

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
and that correct t of equip	It the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	reby request a one-year exemption from open flow testing for the ZIMBELMAN 42-31B ll 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
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: _12	2/18/2015
	Signature:
	Title: HSE/Regulatory Tech

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.