KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(-	See Instru	ctions on Re	verse Side	e)					
Open Flow					Test Date				API No. 15 -181-20389-00-00						
De:	liverat	ilty				lest Date	•			AFT	10. 15				
Company								Lease					Well Nu		
	ation	Ene	rgy Mana		nent, LLC			P. HELM	AN	DNO /EA	.n.		33-		
SHERMAN Location NW-SW-NW-SE			Section TWP 6S			3	RNG (E/V		Acres /	Attributed					
Field GOODL	_ANE)				Reservoir NIOBRA				Gas Gath Kinder	ering Conne Morgan	ection			
Completic		e			<u>-</u>	Plug Back 1440'	Total De	oth	 	Packer Se	-			_	
Casing Size Weight					Internal D	iameter	Set	Set at		ations	То	· =			
				#, 10.5# 6.538, 4.				1', 1482'		1296'	1319'				
Tubing Size Weight 2-3/8"			nt 4.7	'#	Internal Diameter 1.995			Set at 1331'		Perforations		То			
Type Completion (Describe) SINGLE (GAS)				Type Fluid Production SALTWATER				Pump Unit or Traveling Plunger? Yes / No ROD PUMP							
	<u> </u>		nulus / Tubin	g)			arbon Diox	kide		% Nitroge	n	Gas Gr			
ANNUL	.US													u	
Vertical D	epth(F	l)					Pre	ssure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	p; ;	Shut in	12	/9 2	0_15_at_9	:30 AM	_ (AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Li	ine:	;	Started	12/	10 20	15 at 10	0:30 AM	_ (AM) (PM)	Taken		20	at		(AM) (PM)	
							OBSERV	ED SURFAC	E DATA	-		Duration of Shut-	in2	25 Hours	
Static /	Orifi	ce	Circle one: Meter		Pressure	Flowing	Well Head	1	Casing		Tubing Wellhead Pressure		Liqui	Liquid Produced	
Dynamic Property		Size finches) Prover I		ure	Differential in nches H ₂ 0	Temperature t	Temperature t	e (P _w) or (F	Wellhead Pressure (P _w) or (P ₁) or (P _c)		(P_w) or (P_t) or (P_c)			(Barrels)	
Shut-In			psig (Pm)	<u>-</u> '	Tiches 11 ₂ 0			psig 26	psia	psig	psia	<u></u>	 		
Flow		•									1	-			
1							FLOW ST	REAM ATTR	IBUTES	1					
Plate			Circia one:		Press	Grav	itv	Flowing	Dev	iation	Metered Flow	GOR		Flowing	
Coeffiecient (F _{p.}) (F _{p.})		Meter or Prover Pressure		Extension		Fact	or	Temperature Factor	Fa	ctor	R	(Cubic Fe	et/	Fluid Gravity	
Mefd		psia		,	√ P _m xh	F	, \ .	F _{II}	F	pν	(Mcfd)	Barrel)		G _m	
						(OPEN FLO	OW) (DELI	VERABILITY) CALCUL	ATIONS		(P _a)	² = 0,2	207	
(P _c) ² =		_:_	(P _w) ² =		<u> </u>	P _d = .		_% (I	² _c - 14.4) +	14.4 =	:	(P _d)	²= <u></u>		
(P _c)² - (F	2,)2	(P	(P _w)² - (P _w)²		e formula 1 or 2: P _c 2 - P _a 2	LOG of	Γ		ssure Curve pe = "n"					pen Flow	
or (P _c) ² - (P _d) ²					P ₂ -P _d 2	1. or 2.			or		_ n x LOG			Deliverability quals R x Antilog	
(, °) - (,	d [/]			divided	1 by: P _c - P _w	and divide by:	P _c ² -P _w ²		lard Slope		LJ			(Mcfd)	
											<u></u>				
Open Flov	N .			N	Acfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia		
		-	-					•	uthorized t	o make the		rt and that he ha	ıs know	ledge of	
the facts st	tated t	herei	n, and that s	aid re	eport is true	and correct				day of				20	
						K/	R NSAS CORP	eceived ORATION COM	Wissine-						
			Witness (ıı any)							ForC	Company			
			For Comr	nission	:		- DEC	- 1 201)		Chec	ked by			
							CONCEDIA	ATION SOL							

exempt sta and that the correct to	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC he foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named.
l herel	by request a one-year exemption from open flow testing for theP. HELMAN 33-24
gas well o	n 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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission excessary to corroborate this claim for exemption from testing.
Data	12/16/2015
Date:	
	Signature: 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.