KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open Flow Deliverabilty					(See Instructions on Reverse Side					API No. 15 181-20394-00-00							
Company	,							Le	ase				.	We	ell Num	ber	
Foundation Energy Management, LL				C BRATCHER									23-19	•			
County Location SHERMAN NW-NE-NE-SW				Section	19	Т	TWP 6S		RNG (E.	'W) 9 W		Ac	res Att	ributed			
Field PRAIRIE STAR				Reservoir NIOBRARA						hering Conn		-					
2/7/200		te			_	Plug Bac 1467	k Total De	pth			Packer §	Set at					
Casing Size We			Weig		40.5#	Internal [Set at		Perfo	rations		то 1353				
7", 4 ½" Tubing Size We			ا Weig		10.5#	6.538 Internal D		404, 1522 Set at		Perfo	1320' rations		To				
2 3/8"					7#		995			387			,,	,			
Type Completion (Describe) SINGLE					Type Fluid Production SALTWATER					Pump Unit or Traveling Plunger? Yes / No ROD PUMP)		
		(Anı	nulus / Tubir	ng)			arbon Dio	xide			% Nitrog	 en		as Grav			
ANNUL	.US														. 9		
Vertical D	epth(F	l)					Pre	essure '	Taps				(M	leter Ru	n) (Pro	ver) Size	
Pressure	Buildu	p; ;	Shut in	10	/26 2	0 15 at 9	30 AM) (PM) 1	aken		20	at		(AI	M) (PM)	
Well on Li	ine:		Started	10	/272	0 15 at S	:30 AM					20					
							OBSERV	/ED St	JRFACE	DATA			Duration of	Shut-in	24	Hours	
Static / Orifice			Mater		Pressure Differential	Flowing	Well Head	.	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration		Liquid Produced		
Dynamic Size Property (inche			Prover Press		in Inches H ₂ 0	Temperature Temperat t t		(P _w) or (P _t) or (P _c)			(P _w) or (P _t) or (P _c)		(Hours)			(Barrefs)	
Shut-In							_		24	psia	paig	psia					
Flow																	
							FLOW ST	REAM	ATTRIE	BUTES							
Plate Coefficcient (F _b) (F _p) Moted		Circle one: Meter or Prover Pressure psia		Press Extension		Gravity Factor F _g		Flowing Temperature Factor F _{IL}		Fa	iation Metered Flow ctor R F _{pv} (Mcfd)		v GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G _m	
					<u> </u>		ĺ										
	1					(OPEN FLO	OW) (DELI	VERA	BILITY)	CALCUL	ATIONS		I	(P ₁) ² =	0.207		
(P _c) ² =		<u>-:</u>	(P _w) ² :	<u>-</u>	:_	P _d =		_%	(P _c	- 14.4) +	14.4 =	<u>:</u>		(P _d) ² =			
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P _o) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_b^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$		LOG of formula 1. or 2. and divide by:		-	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 106		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
				31410				<u>'</u>		epu	-						
Open Flow	v				Mcfd @ 14.	65 psia		De	liverabili	ty			Mcfd @ 14.6	35 psia			
					ehalf of the				-	_		e above repo DEC	rt and that I CEMBER	he has		dge of 15	
no iauto st	aicu (.c.el	n, and that S	aiu i	eport is title	ана сопес					uay Ui				, 20		
			Witness	(if any)		KANSAS CO	Rece RPORAT	IVed ION COMM	MISSION		For C	ompany				
		_	For Com	nissio	n		DE	C 1	0 2019)		Chec	ked 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 theBRATCHER 23-19
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: 12/7/2015
Signature:

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.