Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				(See Instr	uctio	ons on Reve	rse Side))				
Op	en Flo	w									101	20544.00.01		
Del	liverab	ilty			Test Date) :				API	No. 15 101-	20544-00-01		
Company	1							Lease				v	Vell Nur	mher
		Ene	erov Manad	ement, LLC	2		В	ILLINGEF	₹			•	13-	
County			Location		Section			TWP	<u>·</u>	RNG (E/	 W)	Δ	cres A	ttributed
SHERM	AN		E2-NV	/-SW		1		6S)Ŵ			
Field					Reservoir						hering Conne			
PRAIRI					NIOBR						R MORGA	AN		
Completic		e			Plug Bac	k Total D	epth			Packer S	et at			
5/17/20 Casing Si			Weight	-	1547 Internal D	Viamotor		Set at		Porto	rations .	То		
7", 4 1/2"				/# 9.5#		3, 4.090	1		1590	reijo	1368	1396		
Tubing Si			Weight		Internal D			Set at	1000	Perfo	rations	To		
2 3/8"				4.7#	1.	995		14	431					
Type Con	pletio	n (De	escribe)		Type Flui	d Produc	tion			Pump Ur	it or Traveling	Plunger? Yes		*
SINGL					SALT	VATER	₹					ROD	PUM	P
_		(Anı	rulus / Tubing)	% C	arbon Di	oxid	е		% Nitrog	en	Gas Gra	vity - G	ì,
ANNUL			_											
Vertical D	epth(F	1)				Pi	ressi	ure Taps				(Meter F	un) (Pr	over) Size
Pressure	Buildu	ıp:	Shut in	12/2 2	15 at 1	.45 AN	1 ((AM) (PM) T	aken		20	at	(AM) (PM)
Well on Li	ine:		Started	12/3	ຸ 15 _{at} ຄ	3:45AM	Ι,	'AM\ (PM\ T	äken		20	at	1	AM\ (PM\
77CH O.11 E.			Olarico		o at			izanan) (i nan) i	anen				\	rawij (i telj
						OBSER	VED	SURFACE	DATA			Duration of Shut-i	n2	5 Hours
Static /	Orifi	ico	Circle one:	Pressure 1	Flowing	Well Hea		Casin	g	1	lubing			
Dynamic	Siz		Meter Prover Pressu	Differentlal re in	Temperature	Temperat		Wellhead Pa			ad Pressure (P _t) or (P _c)	Duration (Hours)		d Produced Barrels)
Property	(inch	es)	psig (Pm)	Inches H ₂ 0	1	t	- }	(P _w) or (P _t)	psia	psig	psia	(Hodis)	, ,	Janeis,
Shut-In					İ			42	•	, , ,				
				 	 		-			 	-		<u> </u>	
Flow					<u></u>	_							<u> </u>	
				÷		FLOW S	TRE	AM ATTRIE	UTES					
Plate			Circle one:	Press	Grav	rity		Flowing	Dev	riation	Metered Flov	, GOR		Flowing
Coeffiect		Pro	Meter or ver Pressure	Extension	Fac		Te	mperature Factor		ctor	R	(Cubic Fee	:t/	Fluid Gravity
Mcfd			psia	√ P _m xh	F,	'		F _{tt}		pv	(Mcfd)	Barrel)		G _m
						ĺ					•			
					•			RABILITY)					= 0.2	07
(P _c) ² =	1	_:_	(P _w) ² =	Choose formula 1 or 2	P _a =		%	، (P _د	- 14.4) +	14.4 =	 :	(P _d) ²	-	 _
(P _c)² - (F	2)2	(F)2 - (P _w)2	1. P _c - P _s 2	LOG of			Backpress Slope			[7]			en Flow
or (P _c) ² - (F	-			2. P _c ² -P _d ²	formula 1. or 2.				r	י אח יי	LOG	Antilog		iverability R x Antilog
(F _c)*- (F	٠,١			fivided by: P _c ² - P _w	and divide by:	P _c ² - P _w ²	<u>'</u>	Standar	.		LJ			(Mcfd)
						-								
			-										<u> </u>	
Open Flor	w			Mcfd @ 14.	.65 psia			Deliverabili	ity			Mcfd @ 14.65 psi	a	
Thou	ındare	iano	d authority or	hohalf of the	Company	states the	t ha	ie duly aut	horizod t	o mako th	no abovo ropo	rt and that he ha	c know	ladge of
		_	-					-	16		-	EMBER		15
the facts s	tated t	herei	in, and that sa	id report is tru	e and correc			inis the		day of			—·:	20
					к	ANSAS CO	Rec POP	Ceived ATION COM <u>MIS</u>	Selon					
			Witness (i	any)					OOLUN		For	Company		
				- ,		DE	2	! 1 201 <u>5</u> _						
			For Comm	ssion							Che	sked by		

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	tus under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
	e foregoing pressure information and statements contained on this application form are true and
	he 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.
	by request a one-year exemption from open flow testing for the
gas well on	n 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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing. 12/16/15
staff as neo	cessary to corroborate this claim for exemption from testing.
staff as ned	cessary to corroborate this claim for exemption from testing.
staff as ned	cessary to corroborate this claim for exemption from testing. 12/16/15
staff as ned	cessary to corroborate this claim for exemption from testing. 12/16/15
staff as ned	cessary to corroborate this claim for exemption from testing. 12/16/15 Signature:
staff as ned	cessary to corroborate this claim for exemption from testing. 12/16/15

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.