KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes					(See Instruct	tions on R	everse Side	9)					
= '	oen Flo eliverat				Test Date	e: per 14, 201	٥		API	No. 15	077-21474-00	. 00		
Company					Decemb	Jer 14, 201	Lease					Well Nu	ımbər	
M E Kle		ssoc	ciates, Inc.	nn.	Section		Caroth	ers	RNG (E	M/)		Acres /	Attributed	
Meade	444		C S/2 S	/2 SW/4	20		335		6W			120		
Fleid Stohrville	e Exte	ensic	on		Reservoir Mississi	r ppi Chert			Gas Gat Atlas	hering Conne	ection			
Completi-	on Dat	ө			Plug Bac 4,601' /	k Total Dept 4.615'	th		Packer \$	Set at				
Casing Size Weight 4 1/2" 10.5#				Internal E 3.995"	•	Set at 4,601'		Perforations 4,467'-4,477		To To				
Tubing Size Weight				Internal D	Diameter	Set at 4,510'		Perforations		То				
2 3/8" Type Cor						d Production		10'			Plunger? Yes	/ No		
Cased Producing			cal Julus / Tubing	1)	Oil/Wa	iter Carbon Dioxi	de		Pumpi % Nitrog	ing Unit	Gas G	ravity - (
Annulu	S								,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				•	
Vertical C	Depth(H	1)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in Dec	: 14 2	0 10 at 7	:00 AM	(AM) (PM) Taken D	ec 15	20	10 _{at} 7:00 A	М	(AM) (PM)	
Well on L	.lne:		Started	2	0 at		(AM) (PM) Taken		20	at	((AM) (PM)	
						OBSERVE	D SURFAC	CE DATA			Duration of Shut-	-in 24	Hours	
Static /	Orlf		Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head	Well Head Casing Wellhead Pressure Wellhead Pressure Wellhead Pressure Wellhead Pressure Urbing Wellhead Pressure Urbing Wellhead Pressure Urbing Wellhead Pressure Urbing Wellhead Pressure Urbing		Duration	1 Liquid Produced				
Property	· · · · · · · · · · · · · · · · · · ·		Prover Pressu psig (Pm)	re in Inches H ₂ 0	t			(P _w) or (P _t) or (P _c)		r (P _r) or (P _e)	(Hours)	((Barrels)	
Shut-in							460	474	0	0	24			
Flow														
ſ .						FLOW STR	_	RIBUTES						
Plate Coefflecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or wer Pressure psia	Press Extension	Grav Fact F _e	tor 1	Flowing Femperature Factor F _{r1}	Fa	lation ctor pv	Metered Flow R (Mctd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
			,											
					(OPEN FL	OW) (DELIV	ERABILIT	Y) CALCUL	ATIONS		(P _*))² = 0.2	07	
(P _e) ² =		<u>-</u> :	(P _w) ² =	Choose formula 1 or 2	P _a =		Τ	(P _a - 14.4) +		:	(P _d)) ² =		
(P _e) ² - (or (P _e) ² - (l	•	(F	(_c)²- (P _w)²	 P_c² - P_c² P_c² - P_d² Wided by: P_c² - P_w 	LOG of formula 1. or 2, and divide by:	P _c ² - P _w ²	A	essure Curve ope = "n" or ssigned dard Slope	пх	LOG	Antilog	Del Equals	pen Flow iverability i R x Antilog (Mcfd)	
								_						
												<u> </u>		
Open Flo	w			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65 ps	ia		
										•	rt and that he ha		_	
the facts s	stated t	herei	n, and that sa	id report is true	e and correc	t. Executed	this the _		day of <u>F</u>				20 <u>11 </u>	
			Witness (if	any)				N	Mayer		Company	CEIV		
			For Comm	ssion	·					Chec	ked by	R 7 7	2011	
											KCC	WIC	CHITA	

I declare under penalty of perjury under the laws of the state of Kansas that I a exempt status under Rule K.A.R. 82-3-304 on behalf of the operator M E KLEIN & AS	· ·
and that the foregoing pressure information and statements contained on this appli	cation form are true and
correct to the best of my knowledge and belief based upon available production summer	maries and lease records
of equipment installation and/or upon type of completion or upon use being made of th	e gas well herein named.
I hereby request a one-year exemption from open flow testing for the Carothers	#1-20
gas well on the grounds that said well:	
(Object and	
(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 undergo	ning ED
is on vacuum at the present time; KCC approval Docket No.	oling Eri
is not capable of producing at a daily rate in excess of 250 mcf/D	*****
13 Hot capable of producing at a daily falls in excess of 230 file//D	
I further agree to supply to the best of my ability any and all supporting documen	nts deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	•
Date: 2/18/11	
-	
abol aleas	
Signature: Maul Vein	PECTUE
Title: PRESIDENT	RECEIVED
	FEB 2 5 2011
	FEB 2 5 2011 KCC WICHITA

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.