KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open Flow Deliverability				No. 15										
Company		ity			10-5 thr	u 10-6, 20	14 Lease		15-	151-20681-	0000	Well N	umber	
GUNNER OIL					KUMBERG					1				
County PRATT			Locatio NW SE	Section 31					RNG (E/W) 11W		Acres	Attributed		
Field HARDING				INDIAN	Reservoir INDIAN CAVE		LUME		hering Conn	ection				
3-4-1980		∍ 		Plug Bac 2789	Plug Back Total Depth 2789			Packer Set at						
Casing Size 4.500			Weight 10.500	Internal E 4.052	Internal Diameter 4.052		Set at 2828		rations 2	то 2752				
Tubing Size 2.375			Weight 4.70		Internal Di 1.992		lameter Set at 2760		Perforations OPEN		То			
Type Completion (E					Type Flui	Type Fluid Production		F		it or Traveling	Plunger? Yes	/ No		
SINGLE Producing Thru (Ar						GAS,WATER % Carbon Dioxide			PUMP % Nitrog		Gas G	Gas Gravity - G		
ANNUL	US			<u></u>									<u> </u>	
Vertical D	epth(H)				Pres	sure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildur	o:	Shut in	2	0_14 at_1	0:30 AM	(AM) (PM)	faken_10)-6	20	14 at 11:30	AM	(AM) (PM)	
Well on L	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
					-	OBSERVE	D SURFACE	DATA		1.	Duration of Shu	24-in_	Hours	
Static / Orifice Dynamic Size Property (Inches			Clicle ene: Mêter Prover Pressui	Pressure Differential	Flowing Temperature	Well Head Temperature	Casir Wellhead P	ressure	Wellhe	ubing ad Pressure	Duration (Hours)		quid Produced (Barrels)	
		rs)	psig (Pm)	Inches H ₂ 0	t	t	(P _w) or (P ₁) or (P _c) psig psia		(P _w) or (P ₁) or (P _c) psig psia		(Flours)		(Canera)	
Shut-In							33			<u> </u>	24			
Flow											_	<u> </u>		
			Circle one:		_	FLOW STF	REAM ATTRIE	BUTES	ŀ				Τ	
Plate Coefficcient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{ft}	erature Fact		Metered Flor R (Mcfd)	w GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
			10		•		ERABILITY)) ² = 0.2	207	
(P _c) ² =		<u>-:</u>		hoose formula 1 or 2	P _d =	<u>`</u>	7	- 14.4) + sure Curve		: _	(P _e) ² =		
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²		(P _c) ² - (P _w) ²		1. P _a ² -P _a ²	1. P ₂ - P ₂ LOG of formula 1. or 2.		Slope = "		nxi	.og	Antilog	De	Open Flow Deliverability Equals R x Antilog	
(P _e)²- (F	P _d) ²			2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_w^2$	and divide	P _c ² - P _y ²		gned rd Slope		_ <u>LJ</u>		Equal	(Mcfd)	
				<u> </u>										
_					<u> </u>		<u> </u>							
Open Flow			Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia				
The u	ındersi	gned	authority, on	behalf of the	Company, s	itates that h	e is duly auti	horized to	_		ort and that he h	as knov	rledge of	
the facts st	tated th	erei	n, and that sai	d report is true	and correc	t. Executed	this the 8T	<u>н</u> ,	day of O	CTOBER	00	<u> </u>	20	
			Witness (if			Red NSAS CORPOR	ceived RATION COMMIS	sion (ebro-	لينك	XVer-			
							2 4 2014-				will be shown			
			For Commis	sion		001	L 1 2014			Che	cked 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 GUNNER OIL 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 the KUMBERG #2 gas well 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 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.
Received KANSAS CORPORATION COMMISSION OCT 2 4 2014 CONSERVATION DIVISION WICHITA, KS Signature: A A A A A A A A A A A A A A A A A A A

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.