KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instru	ictio	ns on Re	verse Side)				
= :	en Flo					Test Date	:					No. 15			
L	liverab	шу		<u></u> -		8/12/15		-			007	-21,294 - 0 0	 		
Company Oil Produ		Inc.	of Kansas			_			Lease Harbau	gh A			1	Nell Nu	mber
County Location Barber NW/4 SE/4			Section 1			TWP RNG (EM 32) 10			W)	Acres Attributed					
Field	l S	an	dn Crei	21/	į.	Reservoi: Mississi					Gas Gat Oneok	hering Conn	ection		-
Completion 11/28/91	on Dat	e	0			Plug Bac 4679	k Total De	pth			Packer S none	Set at			
Casing Si 4.5	ize	·	Weight Internal Diameter Set at Perforations To 4756 4356 4360				-								
Tubing Si 2.375	ze		Weigh	t		Internal I	Diameter		Set a 435		Perfo	rations	То		
Type Con single	npletio	n (De	escribe)			Type Flui	d Producti	ion		·		nit or Traveling	Plunger? Yes	/ No	• •
		(Anı	nulus / Tubin	3)		% C	arbon Dio	xide	•		% Nitrog		Gas Gr	avity - C	
annulus Vertical D		n			· · · · · · · · ·			2001	ire Taps				/Mateur	2)\ (D	rover) Size
vertical D	epuill	ij					PIE	essu	ire laps				(Ivieter i	1UN) (PI	rover) Size
Pressure	Buildu	p:	Shut in <u>8/1</u>	1	2	0_15_at_8	:45 am	_ (/	AM) (PM)	Taken_8/	12	20	15 _{at} 8:45₊aı	m((AM) (PM)
Well on L	ine:		Started		2	0 at		_ (/	AM) (PM)	Taken		20	at	((AM) (PM)
						·	OBSERV	ÆD.	SURFAC	E DATA			Duration of Shut-	_{in_} 24	Hours
Static / Dynamic	Orifi Siz	0	Gircle one: Meter Prover Pressi	D	Pressure ifferential in	Flowing Temperature	Well Head Temperatu		Cas Wellhead (P _w) or (P	Pressure	Weilhe	fubing ad Pressure · (P _e) or (P _e)	Duration (Hours)	1 .	d Produced Barrels)
Property Shut-In	(inch	es)	psig (Pm)	In	ches H ₂ 0	<u> </u>	t	╬	psig	psia 15.1	psig	psia	24	<u> </u>	
Flow			<u> </u>					+	.,	13,1			24	 	
						_	FLOW S1	TRE.	AM-ATTR	IBUTES	<u> </u>			<u> </u>	J
Plate Coeffieci (F _b) (F	ient	Pro	Circle one: Meter or Ver Pressure	1	Press xtension	Grav Fac	or	Ter	Flowing mperature Factor	Fa	lation ctor	Metered Flow	v GOR (Cubic:Fe	e v	Flowing Fluid
Mcfd			pşía		P _m xh	F,	·		F ₁₁		pv ,	(Mcfd)	Barrel)		Gravity G _m
						(ODEN EL	DW /DEL		DADU ITV	\	4710N0				
(P _c) ² =		_:	(P _w) ² =		:	(OPEN FL		%) CALCUL P _c - 14.4) +		<u>:</u> :	(P _a);	2 = 0.2 2 =_	07
(P _c) ² - (F	2)2	(F)²- (P _w)²		formula 1 or 2:		Γ -	1	Backpre	ssure Curve		Г٦			en Flow
or (P _c) ² - (F		<u>`</u>		2.	P _c ² -P _s ² by: P _c ² -P _s ²	formula 1, or 2, and divide by:	P 2 - P 2		As	orsigned ard Slope	. .n x	rog	Antilog	Equals	iverability FR x Antilog (Mcfd)
				<u> </u>				-		_					
Open Flor	l				cfd @ 14.	65 neia			Deliverab	silis.			Motel @ 14 SE pai		
	<u> </u>	anac	l authority o				tatas that	- ha			- madea 46		Mcfd @ 14.65 psi		
			n, and that s								day-of-A		rt and that he ha		1eage of 20 <u>15 </u>
				,0	- <i>-</i>		Receive			/5	VI. 7	0/1,		, , <u>*</u>	
			Witness (any)		KANSAS CO	RPORATION	COM	Mission -	10	m/	Force	Company		
			For Comm	ission		SE	P 0 1	201	15 -	41	///	Chec	cked by		

CONSERVATION DIVISION WICHITA, KS

exempt status under Rule to and that the foregoing pre- correct to the best of my known of equipment installation as	ty of perjury under the laws of the state of Kansas that I am authorized to request K.A.R. 82-3-304 on behalf of the operator Oil Producers, Inc. of Kansas essure information and statements contained on this application form are true and nowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. E-year exemption from open flow testing for the Harbaugh A #1
gas well on the grounds th	
is cycle is a sou is on va is not c I further agree to suppostaff as necessary to corre	albed methane producer ed on plunger lift due to water urce of natural gas for injection into an oil reservoir undergoing ER acuum at the present time; KCC approval Docket No apable of producing at a daily rate in excess of 250 mcf/D bly to the best of my ability any and all supporting documents deemed by Commission oborate this claim for exemption from testing.
Received KANSAS CORPORATION OF SEP 0 1 2 CONSERVATION DIV	Title:

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.