KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side)			
Op	en Flo	w			Test Date	·			ΔĐ	No. 15		
De	liveral	oilty			12/18/14					7-20,213 - 0	000	
Company Oil Prod		rs,lı	nc. of Kan	sas			Lease Harba	ugh,Jos	eph	-	1	Well Number
County Barber			Location NE/4		Section		TWP 33S			/W)	Acres Attributed	
Field	Sau	nd x	i Creek		Reservoir Mississ				Gas Ga Oneo	thering Conne	ection	
				Plug Bac 4451	k Total Dep	oth	Packer Set at		Set at	•		
Casing Size Weight 5.5				Internal I	Internal Diameter		Set at 4478		orations 5	то 4375		
Tubing Si	ze		Weigh	t	Internal I	Diameter	Set :	at		rations	То	
Type Con single	npletic	n (D	escribe)		Type Flui	d Production				nit or Traveling ump unit	Plunger? Yes	/ No
	Thru	(An	nulus / Tubing	1)		arbon Diox	ide		% Nitrog		Gas Gr	avity - G _g
annulus												
Vertical D	epth(l	⊣)				Pres	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Builda	ıp:	Shut in	172	0_14_at_1:	:30 pm	(AM) (PM)	Taken_12	2/18	20	14 at 1:30 pt	m(AM) (PM)
Well on L	ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVI	ED SURFAC	E DATA			Duration of Shut-	in_24Hours
Static / Dynamic	Orif Siz		Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Wellhead	sing Pressure	Welfhe	Tubing pad Pressure	Duration	Liquid Produced
Property	(inch		Prover Pressu psig (Pm)	re in Inches H₂0	t	t	(P _w) or (F	P ₍) or (P _p) psia	(P _w) o	r (P ₁) or (P ₂)	(Hours)	(Barrels)
Shut-In		•	i				266	280.4	,		24	
Flow												
						FLOW STI	REAM ATTR	IBUTES			. ,	
Plate Coeffied (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Faci F _s	tor	Flowing Temperature Factor F _{tt}	Fa	iation ctor	Metered Flow R (Mcfd)	(Cubic Fe Barrel)	Flowing Fluid Gravity G _m
				-								
				<u> </u>	(OPEN FLO	OW) (DELIV	/ERABILITY) CALCUL	ATIONS	<u>'</u>	(P _s) ²	= 0.207
(P _c) ² =		_:	(P _w) ² =		P _d =		% (I	P _c - 14.4) +	14.4 = _	 :	(P _d):	<u>'=</u>
(P _e) ² - (f or (P _e) ² - (f	P _a) ²	(F	P _v)² - (P _w)²	Choose formula 1 or 2 1. P _a ² - P _a ² 2. P _a ² - P _d ²	LOG of formula 1. or 2.		Šla	ssure Curve pe = "n" - 01	пх	rog 📗	Antilog	Open Flow Deliverability Equals R x Antilog
(P _c)*- (I	- _d)²	_		divided by: $P_c^2 - P_w^2$	and divide by:	P _c ² - P _w ²		signed lard Slope		<u> </u>	<u> </u>	(Mcfd)
				<u> </u>								
Open Flor				Mcfd @ 14.	65 neia		Deliverat	nility		<u></u>	Mcfd @ 14.65 psi	a
		iano	d outbority or			tates that I			n make ti		rt and that he ha	
		_		id report is true						December		, 20 <u>14</u>
				:				_		61 11	\ \- c	
		-	Witness (i	any)	KANS	AS CORPOR/	EIVED ATION COMMI	SSION		For C	ampany	
		_	For Comm	ission		JAN 1	5 2015			Chec	ked by	

CONSERVATION DIVISION WICHTA, KS

	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Oil Producers, Inc. of Kansas
	going pressure information and statements contained on this application form are true and
	t of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for theJoseph Harbaugh #1
	rounds that said well:
· ·	
(Check	cone)
	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.
Ī	is not capable of producing at a daily rate in excess of 250 mcf/D
_	
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>12/18/14</u>	
	RECEIVED SAS CORPORATION COMMISSION Signature: JAN 1 5 2015 Title: CONSERVATION DIVISION WICHITA, KS

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.