## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t;					(	See Ins	truci	tions on Re	verse Side	θ)					
Op	en Flo	w				Test Date					۸۲	Pl No. 15				
De	liverab	ilty				7-17-20					09	5-21747 ~ (	900	0		
Company Messen		etrol	eum, Inc.	-	-				Lease Giefer					L1	Well N	ımber
County Location Kingman 150'N/2N/2SW					Section 21			TWP RNG 28S 7W			G (E/W)			Acres Attributed 160		
Field Prather East					Reservoir Mississippi			Gas Gathering Conne OneOk				ion				
Completion Date 1998				Plug Bac 4068	Plug Back Total Depth 4068			h Packer S								
Casing S 5-1/2		Weig 15.5			Internal [	Internal Diameter			Set at 4119		orations 38		т <sub>о</sub> 3996			
Tubing S 2-3/8	ize		Weig 4.70	Internal I	Internal Diameter			Set at <b>4053</b>		orations 39		т <sub>о</sub> 4042				
Type Completion (Describe) Perf					Type Fluid Production Salt Water			Pump Unit or Traveling Pumping Unit			ng P	g Plunger? Yes / No				
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide				% Nitro	-		Gas Gravity - G <sub>g</sub>				
Annulus				.197				2.729				.6626				
Vertical Depth(H) 4069					Pressure Taps Flange							(Meter I	Run) (F	rover) Size		
	Buildu	p:	Shut in 7-	17		0 13 at 5			<del></del> _	Taken 7-	-19		20 1	3 <sub>at</sub> 500PM	1	(AM) (PM)
Well on L			Started 7-											_ at		,
·							OBSE	RVE	D SURFACE	E DATA		<del></del>	Dı	uration of Shut-	in _48	Hours
Static / Dynamic	operty (inches)		Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)		Inches H <sub>2</sub> 0			psig 480	psia	psig 135	psia	48		+		
Flow	low .500		100		.75				110	<del></del> -	110	<del>- -</del>	+	4	69 1	3SW
							FLOW	STR	EAM ATTR	IBUTES					1	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Pro	Circle one:  Meter or  Prover Pressure  psia		Press Extension	Gravity Factor F <sub>g</sub>		Т	Flowing emperature Factor F <sub>ft</sub>	Fa	riation actor <sub>pv</sub>	Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
												14		14,000:1		
(P <sub>c</sub> )² ≈			(P <sub>w</sub> ) <sup>2</sup> :			(OPEN FLO	OW) (DE		ERABILITY)					(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>3</sup>	<sup>2</sup> = 0.2	207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:			Backpres Slop  Ass	sure Curve e = "n" or		LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flor	-		<u> </u>		Mcfd @ 14.				Deliverab					fd @ 14.65 psi		
			d authority, on, and that s									he above rep	ort a	and that he ha	s know	ledge of 20 <u>14</u> .
								_	-	Su	E	201	sec.	7	KC	WICH
			Witness	(if any	/) 							Fo	r Com	pany	MA	Y 0 9 201
			For Com	missio	nn			•	_			CI	necked	by		RECEIVE

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Messenger Petroleum, Inc.
and that correct	t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Giefer L1
	(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
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio necessary to corroborate this claim for exemption from testing.
Date: <u>A</u>	April 22, 2014
	Signature: In The Signature

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 the signed and dated on the front side as though it was a verified report of annual test results.