KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flo	w			(See Instruct	tions on Re	verse Side))			•		
Deliverability						Test Date: June 11, 2010			API No. 15 095-21978 - CCCC					
Company		etrok	eum, Inc.			,	Lease Sowers					v 1-20	Vell Number	
County Location Kingman NW SE SW SW					Section 20			TWP 29S		RNG (E/W) 6W		Acres Attribut 160		
Fletd Spivey-Grabbs					Reservoi Mississ		Gas Gathering Co West Wichita Ga							
Completion Date 2005					Plug Bac 4160	k Total Dept	h	Packer Set		Set at				
Casing S 5-1/2	Casing Size Weight 5-1/2 15.50#				Internal i	Diameter	Set at		Perforations 4128			т₀ 4131		
Tubing Si 2-3/8				ht	Internal I	Diameter	Set at		Perforations 4137		•	то 4140		
Type Completion (Describe) Perf-Acid					Oil & S	id Production Salt Water			Pump	nit or Traveling ing Unit				
Producing Thru (Annulus / Tubing) Annulus					% 0 .00163					% Nitrogen .115747		Gas Gravity - G _s .7236		
Vertical Depth(H) 4800					Pressure Ta Flange						(Meter Run) (Prover) Size 2*			
Pressure	Pressure Buildup: Shut in 6-11							(AM) PM Taken 6-14		20	20 10 at 1030		(PM	
Well on L	ine:		Started 6-1	14	20 10 at 1	030	(AM) (PM)	Taken		20	at		(AM) (PN	
			1 2.		,	OBSERVE	D SURFAC				Duration o	of Shut-i	66.75 H	
Static / Dynamic Property	ımiç Size		Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a) psig psia		no (ar	Liquid Produce (Barrels)	
Shut-In	ıt-in								168		66.75			
Flow .375 37		37	30			130		130		24		34 BSW		
				 		FLOW STR	EAM ATTR	IBUTES		Ι			<u> </u>	
Plate Coeffiecient (F _b) (F _p) Motd		Circle one: Meter or Prover Pressure psia		Press Extension	Gra Fac F	tor 1	Flowing Temperature Factor F ₁₁		viation Metered Flo factor R F _{pv} (Mcfd)		(Cubic Feet/ Fi		Flowin Fluid Gravit G	
										29	29,0	000:1		
(P ₀) ² =			(P _w) ² :		-	OW) (DELIV) CALCUL 2 - 14.4) +				(P _a) ² (P _d) ²	= 0.207	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_a)^2$		· — — — — — — — — — — — — — — — — — — —		Choose formula 1 or 1. P.2 - P.2 2. P.2 - P.2	P 2 LOG of formula p 2 1. or 2.		Backpressur Slope =		·	rog	Antilog		Open Flow Deliverability Equals R x Antilog	
(F _e)*- {I	T _d F			divided by: Pc2 - P	and divide by:	P. 2 - P. 3		signed ard Slope					(Mcfd)	
									_		.=		•	
Open Flow Mc/d € 14.65 psia							Deliverab	ility	Mcfd @ 14.65 psia					
				on behalf of the						he above repo Decemb	•	t he has	knowledge of	
ole lacis S	iai80 {	18181	n, and Mai S	alu report is tru	e and correc	. Executed	uns the		yay or <u>.4</u>	J W	Bose	سند 🗻	, 20 <u></u>	
	· · ·	•	Witness	(if any)						For	Company	KANS	AS CORPORATIO	
			For Come	mission			_			Che	cked by		JAN 21	

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 Messenger Petroleum, Inc. 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 Sowers 1-20 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.
Date: December 29, 2010
Signature: An That Report Title: President

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