KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				C	See Instruc	ctions on Re	everse Side)					
Op	en Flo	W			Test Date) :			API	l No. 15	_			
Deliverabilty				8-30-2011				095-21978 - 00 - 00						
Company Messeng		etrole	eum, Inc.				Lease Sowers	3			1-20	Well Nu	mber	
County Location Kingman NW SE SW SW				Section 20		TWP 29S	TWP 29S		/W)	Acre 160		ttributed		
Field Spivey-Grabbs				Reservoir Mississi			Gas Gathering Co West Wichita Ga							
Completic				,	Plug Back Total Dept 4160			Packer Set at						
asing Si	ize		Weight 15.50#		Internal Diameter		Set	Set at		orations	то 4131			
ubing Si	ze		Weight		Internal Diameter		Set at		4128 Perforations 4137		To 4140			
2-3/8 4.70# Type Completion (Describe)				d Production		Pun		nit or Traveling						
Perf-Acid					alt Wate				Pumping Unit 6 Nitrogen		Gas Gravity - G			
Producing Thru (Annulus / Tubing) Annulus				.00163		uu c	e % Ni .11		-		.7236			
/ertical Depth(H) 1800					Pressure Taps Flange					(Meter 2"	(Meter Run) (Prover) Size			
	5.31		Shut in 8-30)	. 11 ., 10			Talsa 9-	2	20	11 at 10:00	AM ,	AM) (PM)	
Pressure Well on Li			Started 9-2		11 at 10						at		AM) (PM)	
						OBSERV	ED SURFAC	EF DATA			Duration of Shut	, 72	Hours	
Static / Dynamic	operty (inches)		Circle one: Meter Prover Pressui	Pressure Differential in	Flowing Temperature	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid	Liquid Produced (Barrels)	
Property			psig (Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia	` '			
Shut-In			0.5	10			380		172		72	31 E	CW	
Flow	.375		35	18		FLOW ST	125 REAM ATT	RIBUTES	125	J	24	1316	5577	
Plate Coeffied	ient	Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact		rity	Flowing Temperature	Dev	iation ctor	Metered Flor	w GOR		Flowing Fluid	
(F _b) (F Mcfd	· .			√ P _m xh	F)	Factor F _{ft}			(Mcfd)	Barrel	Gravity G _m		
										27	27,000:1			
D 12 —			(P _w) ² =_		(OPEN FLO		VERABILITY % (/) CALCUL P _a - 14.4) +		•) ² = 0.2) ² =	07	
$(P_c)^2 = \underline{\qquad \qquad }$ $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		· (F		2. P _c ² -P _d ²			Backpressu Slope =		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog		
	•			Wided by: P _c ² - P _w ²	by:	P _c ² - P _w ²	Stan	dard Slope					(Mcfd)	
														
Open Flow Mcfd @ 14			65 psia		Delivera	Deliverability			Mcfd @ 14.65 psia					
The	unders	igne	d authority, on	behalf of the	Company, s	states that	he is duly a				ort and that he h			
e facts s	tated t	here	in, and that sa	id report is true	and correc	t. Execute	d this the	$-\varphi_{-}$	day of	Hiphyl	TM		20 12	
			Witness (if	any)						For	T Most	eng	*ECEIV	
			•										APR 1 1	

exempt status unde and that the forego correct to the best o	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Messenger Petroleum, Incing pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reques	t a one-year exemption from open flow testing for the Sowers 1-20
gas well on the gro	
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D o supply to the best of my ability any and all supporting documents deemed by Commission o corroborate this claim for exemption from testing.
	Signature: Lan I Mossenge Title: President

Instructions:

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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.

APR 1 1 2012