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

Type Test	t:				6	See Instruc	tions on Rev	erse Side	)					
= :	en Flo eliverab				Test Date					No. 15 095-00968-0	0000			
Company Messeng		etrole	um, Inc.	_			Lease Pierce					2	Well Nu	ımber
County Location Kingman SW SW SE				Section 22		TWP 29 S		RNG (E/W) 7 W				Acres Attributed 80		
Field Spivey Grabs				Reservoir Mississi			Gas Gathering OneOK		_	ection				
Completion Date 07-18-1958				Plug Baci 4205	k Total Dep	th	Packer Se		et at					
Casing Size Weight 5.50			nt	Internal E	Diameter	Set at		Perforations 4134			то 4154			
Tubing Size Weight 2.875			Internal E	Diameter	Set a	Set at		Perforations						
Type Completion (Describe) Perf: acid + frac				<del></del>		d Production	าก		Pump Un		ng Plunger? Yes / No			
Producing annulus	_		ulus / Tubin	g)	% C	arbon Diox	ide	_	% Nitrog	en		Gas Gr	avity -	Э,
Vertical D					-	Pres	ssure Taps			<del></del> -		•	Run) (P	rover) Size
Pressure	Buildu	p: 8	Shut in 11.	-11	20_17 at_1	0:00 am	. (AM) (PM)	Taken_11	-12	20	17	10:30	am	(AM) (PM)
			10 2	20 17 at 10:00 am (AM) (PM) Taken 11-11						<u>17</u> ;	at <u>10:00</u>	am_	(AM) (PM)	
		,				OBSERVE	D SURFACE	DATA			Durat	ion of Shut	<sub>in_24</sub>	.5 Hours
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	t   t   t		Malhaad Praceura		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							75	рыц	31	рыц	24.	5		
Flow 0.500		00	15	3.0			27		27		24		4	
	1				· · ·	FLOW ST	REAM ATTR	BUTES	Ī	<del></del>		-		1
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>s</sub>	tor	Flowing Temperature Factor F <sub>rt</sub>		iation ctor - pv	Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G <sub>m</sub>
				<u> </u>	(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS			(P <sub>a</sub> )	) <sup>2</sup> = 0.2	207
$(P_c)^2 = {(P_c)^2 - (P_n)^2}$ 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. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_u$	LOG of formula 1, or 2. and divide	Backpress Slope  P 2 P 2 Assi		sure Curve be = "n" orsigned ard Slope	ایما			(P <sub>d</sub> )	(P <sub>d</sub> )² ≃ Open Delive Equals R (Mo	
Open Flo	ow			Mcfd @ 14	.65 psia		Deliverab	ility	<u> </u>	_	Mefd	@_14.65 ps	sia 14	
		_	•	on behalf of the		t. Execute Rece	d this the 16 SIVEO TION COMMISS	SION		ovember	ort and	that he h		vledge of 20 17.
			Witness	(if any)		VON	20 2017		~ /	For	Company		5	
			For Com	mission		CONSERVA	TION DIVISION HITA, KS	4		Che	cked by			<u>-</u>

I declare under penalty of perjury under the exempt status under Rule K.A.R. 82-3-304 on bel	e laws of the state of Kansas that I am authorized to request naif of the operator Messenger Petroleum, Inc
correct to the best of my knowledge and belief ba	d statements contained on this application form are true and assed upon available production summaries and lease records appletion or upon use being made of the gas well herein named.  Open flow testing for the Pierce #2
is on vacuum at the present ti is not capable of producing a	injection into an oil reservoir undergoing ER me; KCC approval Docket No t a daily rate in excess of 250 mcf/D bility any and all supporting documents deemed by Commission
Date: 11-16-2017	Received kansas corporation commission NOV 20 ZU1/ CONSERVATION DIVISION WICHITA, KS
Signa -	ture: And Mossing

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.