RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test Op	t: oen Flo	ow .			·	•	tions on Rev	erse Side	•					
Dolivorshilty					Test Date 9-01-20					No. 15 5 -21743~00	00			
Company Messen		etrol	eum, Inc.				Lease OLCarrio	:k	-		2	Well Nu	mber	
County Location Kingman S/2S/2SE					Section 29		TWP 30S		RNG (E/W) 8W		Acres Attributed 160		ttributed	
Field Spivey-Grabbs						Reservoir Mississippi				thering Conn	ection			
Completion Date					Plug Bac 424	th	Packer Set at		Set at			•		
Casing Size 1-1/2			Weight 10.50#		Internal Diameter		Set at 4485		Perforations 4324		то 4334			
Tubing Size 2-3/8			Weight 4.70#		Internal Diameter		Set at 4387		Perforations 4374		то 4377			
Type Completion (De			escribe)			Type Fluid Production Salt Water		1		nit or Traveling ing Unit	Plunger? Yes / No			
roducing	-	(Anı	nulus / Tubing)	% (Carbon Diox	ide		% Nitrog	jen	Gas G	iravity - (a _g	
ertical D		H)				Pres Flan	sure Taps			····	(Meter	Run) (P	rover) Size	
	Buildu	ıp:	Shut in9-01	l 2	13 at 1			Taken_9-	-02	20	13 at 1030/	AM (AM) (PM)	
Vell on L			Started 9-02	20	13 at 1	030AM	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shu	t-in 3	Hours	
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		d Produced Barrels)	
Shut-In	ut-In		_				158	, , , , , , , , , , , , , , , , , , ,	37		24			
Flow	.625	5	17 5			30		30		24 5 BS		SW		
	1	-	<u>"</u>			FLOW ST	REAM ATTRI	BUTES			<u> </u>		Ι	
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension	Extension Fac		Flowing Temperature Factor F _{rt}	Fa	viation		v GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G_m	
										26	26,000:1			
o _c)² =		:	(P _w) ² =_	:	(OPEN FL		'ERABILITY) % (P.	CALCUL - 14.4) +) ² = 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Iivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		, n x	.og []	Antilog	Or Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
											 			
pen Flo	w		•	Mcfd @ 14.0	35 psia		Deliverabil	ity	•		Mcfd @ 14.65 ps	sia		
		-	•	behalf of the			•		day of	April 2	rt and that he h	as know	ledge of 20 <u>//</u> .	
			Witness (if	any)			_	<u>fe,</u>	2 1	Ford	Company	(CC	WICH	
			For Commis	ssion	·-··-		_			Chec	cked by	-	0 9 201	

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Messenger Petroleum, Inc.
and that the fo correct to the b of equipment in I hereby re	pregoing pressure information and statements contained on this application form are true and pest of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. Equest a one-year exemption from open flow testing for the OLCarrick 2 agrounds that said well:
[[[I further a	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: April 22	
	Signature: Signature: Mush of

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.

KCC WICHITA

MAY 09 2014