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

Type Test	:				(	See Instruct	ions on Re	verse Side	e)					
	en Flov				Test Date	<b>9</b> :			API	No. 15	0000			
	liverab	ity			4/4/2011	1			095	-10018 -	0000	141 1/		
ompany hesap		Op	perating, In	c.			Lease Messe	enger "D	11		3-18	Well N	umber	
County Location Kingman NW SW NE			Section 18		TWP 30S		RNG (E/W) 8W		Acres Attributed		Attributed			
Field Spivey-Grabs					Reservoir Mississippian			Gas Gathering Connection OneOk Energy Service						
Completion Date 5/4/60			Plug Bac 4302	Plug Back Total Depth 4302			Packer S							
Casing Size Weight 5.5 14.0			ameronilmo , ,	Internal E 5.012	Diameter	Set at <b>4319</b>		Perforations 4257		то <b>427</b> 1		<u></u>		
			Weight	nt Internal Diame			eter Set at 4280		Perforations		То			
Type Completion (Describe)				Type Flui	Type Fluid Production Oil/Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit						
Single Gas Producing Thru (Annulus / Tubing)					% Carbon Dioxide				•			Gas Gravity - G <sub>g</sub>		
Annulus /ertical D		1)		<u> </u>		Pres	sure Taps				(Meter	Run) (F	Prover) Size	
230			AIA		11 1	1					11 11			
Pressure Buildup:						) <u>11</u> at <u>11</u> (								
Vell on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at			
	r		Circle one:			OBSERVE	D SURFAC		1 7		Duration of Shu	t-in24	Hours	
Static / Orifice synamic Size croperty (inches)		Meter Prover Pressui		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)		id Produced (Barrels)		
Shut-In	,,,,,,,,		psig (Pm)	Inches H <sub>2</sub> 0			psig 30	psia 44.4	psig	psia 14.4	24			
Flow										ı				
	L					FLOW STF	REAM ATT	RIBUTES					_	
Plate Coefficationt (F,) (F,) Mofd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fac F	tor	Tomporatura		viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
									4710116					
) <sub>c</sub> ) <sup>2</sup> =		:	(P) <sup>2</sup> =		(OPEN FL	OW) (DELIV		•	_ATIONS + 14.4 =	:		$(a_1)^2 = 0.$ $(a_2)^2 = 0.$	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. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.		Backpressure Curv Slope = "n" or Assigned Standard Slope		n x I	roe [	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					•									
Open Flo				Mcfd @ 14			Delivera				Mcfd @ 14.65 p			
			d authority, on						to make the day of		ort and that he h		wledge of	
									-		:	F	RECEIV	
			Witness (if	any)						For (	Company	<b>C</b>	ED ac	
			For Commi	ssion						Che	cked by	- 5	EP 06	

		<i>!</i>
	rjury under the laws of the state of Ka 32-3-304 on behalf of the operator <u>Che</u>	ansas that I am authorized to request esapeake Operating, Inc
		on this application form are true and
orrect to the best of my knowled	ge and belief based upon available pro	duction summaries and lease records
		ng made of the gas well herein named.
I hereby request a one-year e	xemption from open flow testing for the	Messenger "D" 3-18
as well on the grounds that said		
	•	
(Check one)	ath are a good are	
	ethane producer	
	unger lift due to water	on roir undergoing EP
	natural gas for injection into an oil rese	
<u></u>	at the present time; KCC approval Doc of producing at a daily rate in excess	
is flot capable	or producing at a daily rate in excess	1 230 mc//b
I further agree to supply to th	e best of my ability any and all suppor	ting documents deemed by Commissio
	this claim for exemption from testing.	· ·
<b>,</b>		
,		
Date: July 8, 2011	•	
	Signature:	2.4.2
	Title: _David Wiist, Pro	duction Engineer

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.

RECEIVED

SEP 06 2011

KCC WICHITA