KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				6	See Instr	uctio	ons on Rev	verse Sid	θ)					
Open Flow						Tool Date:									
Deliverabilty					Test Date: 8/30/2011					API No. 15 18920889 ~ ()()()					
Company		Op	erating, Ir	nc.				Lease Hitch L	and &		<u> </u>		1-18	Vell Nur	nber
County Location Stevens SE SW SW				Section 18				TWP 32S		W)	Acres Attributed			ttributed	
Field Walkemeyer				Reservoir	Reservoir				Gas Gathering Connection OneOK Energy Services						
Completion Date				Plug Back Total Depth 5820'				Packer Set at							
Casing Size Weight 5 1/2 15.5				Internal C 4.950	Internal Diameter 4.950			Set at 6378		rations 2	то 5654				
Tubing Si 2 3/8	Tubing Size Weight 2.3/8 4.7			Internal Diameter 1.995			Set at 5625		Perfo	rations	То				
				Type Flui	Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No Traveling Plunger						
Producing Tubing	Thru	(Anr	iulus / Tubing)	% C	arbon Di	oxid	le		% Nitrog	jen		Gas Gra	avity - G	i _o
Vertical D	epth(H)				Pi	ress	ure Taps					(Meter F	lun) (Pr	over) Size
Pressure	Bulldu	p: :	Shut in8/30) 2	0 11 at 0	7:00		(AM) (PM)	Taken_8	/31	20	11 at (7:00	(AM) (PM)
Well on L	ine:	:	Started	2	0 at		_	(AM) (PM)	Taken		20	at _		(AM) (PM)
			· · · · · ·		_	OBSER	VE	D SURFAC				Duration -	of Shut-i	n_24	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well He Temperature t t		ture (P _w) or (P ₁) or (P		Pressure	Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psla		Duration (Hours)		Liquid Produced (Barrels)	
Shul-In			1 2					124	138.4	142	156.4				
Flow														1	
-						FLOW 9	TRI	EAM ATTR	IBUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Fac	Gravity Factor F _g		Flowing emperature Factor F ₁₁	perature Fa		viation Metered Flor actor R F _{pv} (Mcfd)		w GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m
(P _e) ² =		:	(P ₊)² =	:	(OPEN FL		LIVE	ERABILITY) CALCU P _a - 14.4)		:		(P _a);	² = 0.2 ² =	07
(P _o) ² - (P _a) ² or (P _o) ² - (P _o) ²		(F		Choose formula 1 or 2 1. P ₀ ² - P _a ² 2. P ₀ ² - P ₀ ²	LOG of formula	LOG of formula 1, or 2.		Backpre Slo	essure Curv pe = "n" - or signed	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog	
	-			dvided by: $P_c^2 - P_w^2$		P.2. P.		Stand	lard Slope					'	(Mcfd)
Open Flo	w			Mcfd @ 14.	65 psia			Deliverat	oility			Mcfd @ 1	4.65 psi	а	
		•	•	n behalf of the				•			he above repo Vovember	ort and tha	at he ha		ledge of 20 11
10013 8	naivu l	. 1010	, and that Sc	na ropoit ia tiui	. and 601186	EAGGU			-) <i>y</i>	160	pU		 D	FCEN.
			() EsentiW	f any)		-		-		<u>, </u>	For	Company			-ACIAF[
			For Comm	ission		<u> </u>	_	•			Che	ecked by		N 0	V 1 4 Z L

	r penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
and that the forego correct to the best of of equipment install	ing pressure information and statements contained on this application form are true and of 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. It a one-year exemption from open flow testing for the Hitch Land & Cattle 1-18
(Check of	
	is a coalbed methane producer
	is cycled on plunger lift due to water
<u> </u>	is a source of natural gas for injection into an oil reservoir undergoing ER
	is on vacuum at the present time; KCC approval Docket Nois not capable of producing at a daily rate in excess of 250 mcf/D
•	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 11/9/2011	
	Signature: Erin Carson, Regulatory Compliance Analyst

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

NOV 1 4 2011