KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instru	ctions on R	everse Sid	e)				
Op	en Flow				Test Date	۵.			ام ۸	No. 15			
Deliverabilty					9/19/2010				^{API No. 15} 081-21236 <i>pp ol</i>				
Company Chesap		Operating	, Inc	.			Lease MLP	Black			1-2	Well Nu	ımber
County Location Haskell W/2 NW NW				Section 2				RNG (E.	/W)		Acres Attributed		
Field Victory				Reservoir Morrow/Chester			Gas Gat Panha	ection					
Completion Date 5/5/99			Plug Bac 5450	Plug Back Total Depth 5450				Set at					
Sasing S 5-1/2	asing Size Weight 1/2 17			Internal I 4.892	Diameter		Set at 5495		rations 3	то 5398			
ubing Size Weight -7/8 6.5				Internal (2.441	Diameter	Set at 5404		Perforations		То			
ype Con Sas +C	npletion	(Describe) omming	led	1	Type Flui Water	id Production	on		Pump Ur Pump	nit or Traveling Unit	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide				% Nitrogen (Gas Gravity - G _g	
ertical D	epth(H)			***************************************		Pre	ssure Taps		······ = ······ = ······		(Meter	Run) (P	rover) Size
Pressure	Buildup:	Shut in9/19		20 10 at 7:00		:00	(AM) (PM) Taken_9		/2020		10 at 7:00	(AM) (PM)	
Vell on L	ine:	Started		2	0 at		_ (AM) (PM)) Taken		20	at	((AM) (PM)
						OBSERV	ED SURFAC	CE DATA			Duration of Shut	_{-in_} 24	Hours
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead	using d Pressure P ₁) or (P _c) psia	Wellhe	Fubing ad Pressure r (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				-			40	54.4	40	54.4	24		
Flow													
						FLOW ST	REAM ATTI	RIBUTES					
Plate Coeffieci (F _b) (F _c Mcfd	ent	Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact √P _m xh F _g		tor	Flowing Temperature Factor F ₁₁	ture Eactor		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
c)2 =		(P _w) ²	=	:	P _d =	OW) (DELI	/ERABILITY .% (Y) CALCUL P _c - 14.4) +		:	•	² = 0.2 ² =	07
(P _c) ² - (F or (P _c) ² - (P	_	(P _c) ² - (P _w) ²		ose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	formula 1. or 2. and divide p 2 _ p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							-				V V V V V V V V V V V V V V V V V V V		
Open Flow Mcfd @ 14.65			1 35 psia	psia Deliverability			Mcfd @ 14.65 psia						
The u	ndersign	ed authority,	on b	ehalf of the	Company, s	tates that I	ne is duly a	uthorized to	o make th	e above repo	rt and that he ha	ıs know	edge of
		rein, and that							day of _De				20 10 .
		Witness	i (if any	·)						For C	ompany		RECEN
		r A											
		For Con	nmissio	n						Chec	ked by		DEC 13

	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 Chesapeake Operating, Inc
and that the focorrect to the of equipment in the leaves of the leaves o	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 MLP Black 1-2 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: Decemb	Signature: David Wiist, Production 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

DEC 1 3 2010

KCC WICHITA