KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Inst	tructi	ions on Re	verse S	iaa))					
Op	en Flo	W				Test Date						ADL	No. 15				
De	liverab	ilty				5/17/20							-20622 ·~	$\cdot 0$	∞		
Company Chesap		e Op	perating,	Inc.	•				Lease Howel]					2-26	Well N	umber
County Location Hamilton NE SW SW				Section 26			TWP 22S			RNG (E/W) 40W		A		Acres	Acres Attributed		
Field Bradshaw					Reservoir Winfield					Gas Gathering Connection DCP Midstream Marketing							
Completion Date 02/15/1997				Plug Back Total Depth						Packer Set at None							
Casing S 1.5					Internal Diameter 4.090			Set at 2724			Perforations 2688			то 2698			
ubing Size Welght .375 4.7			Internal Diameter 1.995			Set at 2702			Perforations			То					
Type Completion (Describe) Single Gas				Type Flui Water	Type Fluid Production Water					Pump Unit or Traveling Plunger? Yes / No Pump Unit							
Producing Annulus	_	(Anı	nulus / Tubir	ng)		% C	arbon D	Dioxio	de			% Nitroge	n		Gas Gr	avity -	G,
ertical D 1725	epth(F	1)					F	Press	sure Taps						(Meter	Run) (F	Prover) Size
Pressure	Buildu	p:	Shut in 5/	17	2	0 11 at 7	:00		(AM) (PM)	Taken.	5/1	18	20	11	7:00		(AM) (PM)
Well on L	ine:	:	Started		2	0 at		_	(AM) (PM)	Taken .			20	-	_ at		(AM) (PM)
			Circle one:		Deserves	·	OBSE	RVE	D SURFAC					Dui	ation of Shut-	in 24	Hours
Static / Dynamic Property	ic Size		Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _m) or (P ₁) or (P _c) psig psia		- 1	Tubing Wellhead Pressure (P _u) or (P ₁) or (P _q) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In									121	135.4	1	20	34.4	2	4		
Flow																	
	Т						FLOW:	STR	EAM ATTR	IBUTES	3						, 1
Plate Coeffictient (F _b) (F _p) Mcfd		Circle one: Metar or Prover Pressure psia			Press Extension	Grav Fact F	tor	Ti	Flowing emperature Factor F _{tt}	Fac		viation Metered Flor actor R F _{pv} (McId)		w GOR (Cubic Fe Barrel)			Flowing Fluid Gravity G
°,}° =		_:	(P _w) ² :	=	. :	(OPEN FLO	OW) (DE	LIVE) CALC			:		(P _e) (P _d)	² = 0.2 ² =	207
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P _e) ² - (P _w) ²		Chaose formula 1 or 2: 1, P _e ² - P _e ² 2, P _e ² - P _e ² shrided by: P _e ² - P _e ²		LOG of formula 1. or 2. and divide by:		Backpressure Curv Slope = "n" or Assigned Standard Slope			irve			Antilog		Open Flow Deliverability Equals R x Antilog (McId)	
Open Flo]		Mcfd @ 14.	65 neia			Deliverat	nilits.				Láci.	d @ 14.65 psi		
•			4			· · · · · · · · · · · · · · · · · · ·									<u>-</u> -		
					enair or the report is true							make the lay of Ju		rt a	nd that he ha		edge of 20 11 .
			Wilness	(if any)			_	-				For	Compa	ıny		RECEIV
								_	_								_
			For Com	missio	n								Che	ked t	<u></u>	- 5	SEP 06

exempt status under Rule I and that the foregoing pre correct to the best of my kr of equipment installation a	y of perjury under the laws of the state of Kansas that I am authorized to request K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. ssure information and statements contained on this application form are true and lowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. Howell 2-26
gas well on the grounds th	
is cycle is a sou is on va √ is not c I further agree to supp	Ibed methane producer d on plunger lift due to water lift of natural gas for injection into an oil reservoir undergoing ER cuum at the present time; KCC approval Docket No apable of producing at a daily rate in excess of 250 mcf/D ly to the best of my ability any and all supporting documents deemed by Commissio
staff as necessary to corro	borate this claim for exemption from testing.
Date: July 8, 2011	
	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

SEP 0 6 2011