KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	ctions on Re	verse Side)			
Open Flow				Toot Date	Test Date: API No. 15							
De	liverab	ilty			10/30/1					07-23660-0	0000	
Company		PER	ATING COM	1PANY, LLC			Lease HARBA	AUGH			2	Well Number
County BARBER	County Location BARBER SE, SE, SE			Section 13		TWP 34S			W)	Acres Attributed		
Field STRANA					Reservoi MISSIS				Gas Gath	nering Conne	ection	
Completic 4/21/11	Completion Date 4/21/11				Plug Bac 5063	k Total Der	pth	Packer Set at NONE		et at		
Casing S 4.500	Casing Size Weight .500 10.50				Internal (4.052	Diameter	Set	Set at		ations	то 4860	
Tubing Si 2.375	ubing Size Weight .375 4.70				Internal [Diameter	Set a		Perforations		То	
				Type Flui	d Production		Pump Unit or Travelin PUMPING			g Plunger? Yes / No		
Producing Thru (Annulus / Tubing) ANNULUS				% C	% Carbon Dioxide			% Nitrog	en	Gas Gr	Gas Gravity - G	
Vertical Depth(H) 4858						Pressure Taps					(Meter	Run) (Prover) Size
Pressure	Buildu	p: ·	Shut in	9/11 2	0 at		_ (AM) (PM)	Taken_10)/30/11	20	at	(AM) (PM)
Well on L	ine:		Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shut-	inHours
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	e Wellhead (P _w) or (F	Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In				7			500	psia	psig 460	psia	24	
Flow								-				
			ı			FLOW ST	REAM ATTR	RIBUTES		······		
Coeffiec (F _b) (F	Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac F	tor	' Tamaarakira		Deviation Metered Flo Factor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	Grouity
			ļ		(OPEN FL	OW) (DELI	VERABILITY	() CALCUL	ATIONS		(0.)	2 0.007
(P _c) ² =		_:_		:	P,=	, ,		P _c - 14.4) +		;	(P _d)) ² = 0.207) ² =
(P _e) ² - (I or (P _e) ² - (I	_	(F	P _o) ² - (P _w) ²	thoose formula 1 or 2 1. $P_0^2 - P_a^2$ 2. $P_0^2 - P_d^2$ ivided by: $P_0^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slo As	essure Curve ope = "n" or ssigned dard Slope	l n x i	.oo [] ao.	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo				Mcfd @ 14.	65 peia		Deliveral	hility			Mcfd @ 14.65 ps	ia
•		iane	d authority on		_	etatoe that			n make th		rt and that he ha	
		_	in, and that sai				•			ECEMBER		, 20 _11
									In K	Hull	agh.	RECEIVED
			Witness (if	any)						For	ompany	DEC 3 0 201
			For Commis	ssion			•			Che	cked by	KCC WICHIT

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC and that the foregoing pressure information and statements contained on this application form are true an correct to the best of my knowledge and belief based upon available production summaries and lease record	– d
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named I hereby request a one-year exemption from open flow testing for the HARBAUGH 2	l.
gas well on the grounds that said well:	_
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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commis staff as necessary to corroborate this claim for exemption from testing. Date: 12/20/11	sion
Signature: Win Working L. Title: FIELD MGR.	

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.