KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:					6	See Insti	ructi	ons on Reve	erse Side)					
Op	en Flov	٧			Toet	Date	, ,				ΔΡ	l No. 15				
Deliverabilty						Test Date: 09/11/12						-007-23660-0	0000			
Company WOOLSI	EY OF	PER	ATING CO	MPANY, LL	<u> </u>				Lease HARBAU	IGH GL	J		2	Well N	umber	
County Location BARBER SE SE SE					Sec 13	Section 13			TWP 34S		RNG (E/W) 12W			Acres Attributed		
Field STRANATHAN						ervoir SSISS	SIPPI		Gas Gathering ATLAS				DEC 0 5 20 To KCC WICHI			
Completion Date 4/21/11						Baci	k Total D	eptl			Packer NONE				DEC 05 2	
Casing Size Weight 4.500 10.50						Internal Diameter 4.052			Set at		Perforations 4668		то 4860	K	CC WICH	
Tubing Size Weight 2.375 4.70					Internal Diameter 1.995			Set at OPEN		Perfe	orations	То				
Type Completion (Describe) SINGLE						Type Fluid Production OIL & WATER					Pump U	nit or Traveling PING	Plunger? Yes	er? Yes / No		
Producing Thru (Annulus / Tubing) ANNULUS						% Carbon Dioxide					% Nitrogen G			Gas Gravity - G _g		
Vertical D)					Р	ress	ure Taps				(Mete	r Run) (i	Prover) Size	
Pressure	Buildu	p: {	Shut in 09/	/11/12	20	at			(AM) (PM) T	Taken 09	9/12/12	20	at		(AM) (PM)	
Well on L	ine:	;	Started										at	·····	(AM) (PM)	
						·	OBSER	₹VEI	SURFACE	DATA			Duration of Shu	ıt-in	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t		Well He Temperat	rature Wellhead		ressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)			
Shut-In	nut-In							250			410		24			
Flow					<u></u>	,					<u> </u>					
				1	,		FLOW S	STR	EAM ATTRIE	BUTES			1			
Plate Coefficci (F _b) (F Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact ✓ P _m x h F _c		tor Te		Flowing emperature Factor F _{f1}	mperature Factor F		Metered Flor R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
					/ORE	N CL	04/\ /DE	1 1371	ERABILITY)	CALCIII	ATIONS					
P _c) ² =		_:	(P _w) ² =	<u> </u>	(OFE	P _d =			•	- 14.4) +		:		$(a_a)^2 = 0.$ $(a_a)^2 = $	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w) ²		Choose formula 1 o. 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - F	LC for 1. and	LOG of formula 1. or 2. and divide by: P ² P ² w		2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	O Antilog Equal		
				-												
_																
Open Flor	W			Mcfd @ 1	4.65 psi	a			Deliverabil	lity			Mcfd @ 14.65 p	sia		
		•	•	on behalf of th	•	•			•			NOVEMBER	ort and that he		wledge of	
			Witness	(if any)					_		m p		Company	<u> </u>		
			For Com	mission				_	_			Che	cked by			

exempt status und and that the fore correct to the best of equipment inst I hereby requ	der Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC going pressure information and statements contained on this application form are true and it of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the HARBAUGH 2 rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 11/28/12	
	Signature: Mallaugu 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.