KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

_ `	: en Flov liverab			-		Test Date 12/12/10	:	tions on Rev	erse Side	API	No. 15 007-21078-0	000		
Company		PER	ATING CC	MF	PANY, LLC		<u></u>	Lease GRAVE	 S	10-0	507-21070-0	A-1	Well N	umber
WOOLSEY OPERATING COMPANY, LLC County Location BARBER SW SE NW					Section 33		TWP 34S	TWP		RNG (E/W) 12W		Acres Attributed		
Field HARDTNER				Reservoir MISSIS			Gas Gathering Connection ONEOK FIELD SERVICE							
Completion Date 4/7/81				Plug Back 4838	Total Dept	th	Packer NONE		et at		* *			
Casing Size Weight 4.500 10.50				Internal C 4.052	iameter		Set at 4839		Perforations 4750					
Tubing Si 2.375	ubing Size Weight375 4.70				Internal D 1.995	iameter		Set at 4822		Perforations OPEN		•		
Type Completion (Describe) SINGLE					Type Fluid OIL, W	Production	n	Pump Unit or Traveli PUMPING			ng Plunger? Yes / No			
Producing ANNUL		(Anr	nulus / Tubir	ng)		% C	arbon Dioxi	de	•	% Nitrog	en	Gas G	ravity -	G _g
Vertical D 4828	epth(H)					Pres	sure Taps				(Meter	Run) (F	Prover) Size
Pressure	Buildu	p: :	Shut in12	/10	/10 2	0 at		(AM) (PM)	Taken 12	2/12/10	20	at		(AM) (PM)
Well on L	ine:	;	Started		20) at	 	(AM) (PM)	Taken		20	at	· · · · · · · · · · · · · · · · · · ·	(AM) (PM)
							OBSERVE	D SURFACE	E DATA		·	Duration of Shut	t-in	Hours
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P _w) or (P _p	Pressure	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration Liqu (Hours)		uid Produced (Barrels)
Shut-In								150	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	50		24		***
Flow										-			<u>.</u>	
	T		Olaska	Т			FLOW STR	EAM ATTRI	BUTES	1				Flowing
Plate Coeffieci (F _b) (F Mcfd	ient ,,)	Circle one: Meter or Prover Pressure psia			Press Gravi Extension Factor √ P _m x h F _g		Tomporatura		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	(Cubic F	GOR (Cubic Feet/ Barrel)	
						(0.000)							···-	
(P _c) ² =		_:	(P _w) ² :	=	:	(OPEN FLO	, ,	ERABILITY)) CALCUL ⁾ c - 14.4) +		:) ² = 0.3	207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		:	1. P _c ² - P _s ² LOG of formula 1. P _c ² - P _s ² 2. P _c ² - P _d dided by: P _c ² - P _w ² by:		P _c ² -P _w ²	Slop Ass	Backpressure Curve Slope = "n" or Assigned Standard Slope		og [Antilog De		pen Flow liverability s R x Antilog (Mcfd)
Open Flor	101				Mcfd @ 14.	65 neia		Deliverab	ility			Mcfd @ 14.65 ps	Pia Pia	
		gned	d authority, o				tates that h			o make th		rt and that he h		vledge of
		-	•		report is true			•			ECEMBER			20 10
			Witness	(if any	y)			_			Force	い に	\Rightarrow	RECEIVE
			For Com				····	_				ked by	1	DEC 28 2
											- //		K	C WICH

exempt status and that the correct to the of equipment	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 WOOLSEY OPERATING CO., LLC oregoing pressure information and statements contained on this application form are true and best 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 GRAVES A-1
(C	e grounds that said well: neck one 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
	ssary to corroborate this claim for exemption from testing.

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.