KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruct	tions on Re	verse Side	<i>)</i>				
□ Op	oen Flo	w			T 5-1-					N- 46			
Deliverabilty					Test Date 10/29/11				15-	∣ No. 15 ∙007 -20359 -1	2100	2-a	o-∞
Company		PER	ATING CO	MPANY, LLC			Lease RUSK				F-1	Well Nur	mber
County BARBER			Location 660 FSL & 1320 FWL		Section 31		TWP 31S		RNG (E/W) 15W		Acres Attribute		ttributed
Field PERRY RANCH		CH C	C 52 5W		Reservoir MISSISSIPPI					thering Conn K FIELD SE			
Completion Date 10/13/80		е			Plug Back Total Deptl 4985		th		Packer Set at NONE				
Casing Size 4.500			Weight 10.50		Internal Diameter 4.052		Set at 4999		Perforations 4958		To 49 68		
Tubing Size			Weigh	t	Internal Di				Perforations		То		
2.375		- (D	4.70		1.995 Type Fluid Production		4948		OPEN Pump Unit or Traveling P		Dhanne Van	/ No	
Type Completion (I SINGLE		יו (טי	sscribej		WATER				PUMPING		Plunger? Yes / No		
Producing	_	(Anr	nulus / Tubing))	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gra	avity - G	i _a
Vertical C		1)				Pres	sure Taps				(Meter F	Run) (Pr	over) Size
4963					<u> </u>								
Pressure	Buildu	p:	Shut in	28/11 2	0 at		(AM) (PM)	Taken_10)/29/11	20	at	(/	AM) (PM)
Well on L	ine:		Started								at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in	Hours
Static / Orifice Dynamic Size		8	Circle one: Meter Prover Pressu	Pressure Differential	Flowing Temperature		Casing Wellhead Pressure (P _w) or (P _p) or (P _p)		Tubing Wellhead Pressure (P_w) or (P_i) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inch	es)	psig (Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia			
Shut-In							160		0		24		
Flow													
					1	FLOW STR	EAM ATTR	IBUTES					
Plate Coefficcient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F _{tt}		iation ictor e pv	Metered Flor R (Mcfd)	w GOR (Cubic Fed Barrel)	et/	Flowing Fluid Gravity G
45.33			(5.12			OW) (DELIV				-	•	2 = 0.20)7
(P _c) ² =		- :	(P _*) ² =	Choose formula 1 or 2.	P _d =		1	P _c - 14.4) +		:	(P _d) ²	' =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_g)^2$		(F	P _c) ² - (P _w) ²	1. P _c ² - P _s ² 2. P _c ² - P _c ² divided by: P _c ² - P _s ²	2. P ² -P ² 1. or 2. and divide		Backpre Slop		. n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		•											
						•		,					
Open Flo	w		Mcfd @ 14.65 psia					oility		Mcfd @ 14.65 psia			
The	unders	igned	d authority, o	n behalf of the	Company, s	states that h	e is duly a			-	ort and that he ha	s knowl	edge of
the facts s	stated t	herei	n, and that sa	uid report is true	and correc	t. Executed	this the 2			ECEMBER	00 /		20 11
			Witness (f eny)			-		Im A	2 Hay	Conyesty	RECE	•
			For Comr				-				D Cked by	EC 3	0 2011

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 and correct to the best of my knowledge and belief based upon available production summaries and lease records 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 RUSK F-1 gas well on the grounds that said well:
(Check 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. 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 Commission staff as necessary to corroborate this claim for exemption from testing.
Signature: 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.