KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side), — (577 2 57

Type Test:				(See Instructions on Reverse Side) 15-077-20518-0000										
∐ Op	en Flov	٧			Test Date					No. 15	-			
De	liverabi	lty			12/20/10				154	07-20147-0	00 0			
Company WOOLSEY OPERATING COMPANY, LLC				Lease SANDERS			RS	•		E-1	Well Nu	mber		
County Location HARPER 1980 FNL & 660 FWL			Section 29		TWP 32S		RNG (E/W) 8W			Acres Attributed				
Field SULLIVAN					Reservoir STALNAKER			Gas Gathering Connection APC						
Completion Date 5/2/79			Plug Back Total Depth 3759				Packer S NONE	et at						
Casing Size 2.875			Weight 6.50		Internal Diameter 2.441		Set at 3799		Perforations 3667		то 3690			
Tubing Size			Weight 2.75		Internal Diameter 1.610		Set at 3723		Perforations OPEN		То			
Type Completion (Describe)			Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING							
SINGLE Producing Thru (Annulus / Tubing)			% Carbon Dioxide			% Nitrog		Gas G	Gas Gravity - G					
ANNUL Vertical D						Droes	sure Taps				/Meter	Bun\ /B	rover) Size	
3685	ерицп	,				ries:	sure raps				(мыы	Hun) (P	rover) Size	
Pressure	Buildu	o: \$	Shut in12/*	19/10 2	0 at		(AM) (PM)	Taken_12	2/20/10	20	at	((AM) (PM)	
Well on L	.ine:	5	Started							20	at	((AM) (PM)	
	,	,	, ,			OBSERVE	D SURFACE	DATA			Duration of Shut	-in	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu paig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _o)		Ouration (Hours)		Liquid Produced (Barrels)	
Shut-in			P#18 (1)	1101001120			psig 55	psia	psig 9	psia	24			
Flow														
						FLOW STR	REAM ATTRI	BUTES					,	
Plate Coefflecient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension	Extension Fact		Flowing Temperature Factor F _{rt}	Deviation Factor F _{pv}		Metered Flov R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
L								<u> </u>		-			<u> </u>	
(P _c) ² =		:	(P_)2 =	:	(OPEN FL		'ERABILITY) % (P.	CALCUL - 14.4) +		:) ² = 0.2) ² =	.07	
$(P_g)^2 - (P_g)^2$ or $(P_g)^2 - (P_g)^2$		(P _e) ² - (P _±) ²		Choose formula 1 or 2 1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d ²	LOG of formula 1. or 2. and divide	LOG of formula 1. or 2. and divide p2. p2		Backpressure Curve Slope = 11*		.0G	Antilog D		pen Flow iverability is R x Antilog (Mcfd)	
				<u> </u>										
							•				-			
Open Flow Mcfd @ 14.6			65 psia	5 psia Deliverability			Mcfd 4 14.65 psia							
		_	-	n behalf of the	, ,		•		day of D	ECEMBER	rt and that he h		rledge of 20 10 .	
			Witness (ii	any)				Win	Hul	Dany For	Company			
			For Comm	ission			_			Che	cked by			

exempt status under and that the forego correct to the best of equipment instal I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records liation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the SANDERS E-1
(Check	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
•	to corroborate this claim for exemption from testing.
	Signature: Win Hallows 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.