KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				('See Instruc	tions on Rev	erse Side)				
☐ Op	oen Flo	w			Test Date				ΛDI	No. 15			
✓ Deliverabilty				9/11/15	Test Date: 9/11/15			API No. 15 15-077-20518-00-00					
Company WOOLSEY OPERATING COMPANY, LLC					Lease SANDERS						Well Number E-1		
County Location HARPER C SW NW			Section 29		TWP 32S			RNG (E/W) 8W		Acres Attributed			
Field					Reservoir STALNAKER			Gas Gathering Connection WEST WICHITA GAS GATHERING					
Completion Date 5/2/79				Plug Bac 3759	k Total Dep	th		Packer S NONE	Set at			<u> </u>	
Casing Size 2.875			Weigh 6.50	Internal E 2.441	Internal Diameter 2.441		Set at 3799		rations 7	то 3690			
Tubing S	ize		Weight 2.75		Internal Diameter 1.610		Set at 3723		Perforations OPEN		То		
Type Completion (Describe) SINGLE				Type Flui	Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing	g Thru	(Anı	nulus / Tubing	1)		arbon Diox	ide		% Nitrog		Gas Gr	avity - (3 ,
ANNUL Vertical D		n,		·		Pros	sure Taps				/Meter	Bun\ /P	rover) Size
3685	sepanti.	''							_		(Metol 1		0761) 0120
Pressure	Buildu	ip:	Shut in	0/15 2	0 at		. (AM) (PM)	Taken 9/	11/15	20	at	(AM) (PM)
Well on L	_ine:		Started	2	0 at		. (AM) (PM) ` 	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hours
Static / Orific Dynamic Size Property (inches		:0	Circle ane: Meter Prover Pressu		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		ubing ad Pressure (P ₁) or (P ₂)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.500		psig (Pm)	Inches H ₂ 0	`,	•	psig 37	pşîa	psig 65	psla	24		
Flow						_							
	<u> </u>				·	FLOW ST	REAM ATTRI	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fact	tor	Flowing Temperature Factor F _{II}	emperature Factor F		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
(P _c) ² =			(P _w) ² =		(OPEN FLO		/ERABILITY) % (P.	CALCUL - 14.4) +			(P _a) (P _d)	² = 0.2	07
<u> </u>		- -		Choose formula 1 or 2			`	sure Curve				[- Flow
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² -P _s ² 2. P _c ² -P _c ²	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p2.p2		Slope = "n" or Assigned		_OG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				divided by: P _c ² - P _w	2 by:	<u></u> <u> </u>	Standa	rd Slope	+		i.	 	(Micto)
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	ity			Mcfd @ 14.65 ps	ia	
The	unders	igne	i authority, or	behalf of the	Company, s	states that h	ne is duly aut			•	ort and that he ha	s know	ledge of
the facts s	stated t	herei	n, and that sa	id report is true		Rece	this the 12 eived TION COMMISSI	,	day of O	CTOBER	\mathcal{O}	,	₂₀ <u>15 _</u> .
			Witness (il	any)			6 2015	<u> UN30</u>	<u>/</u>	For For	Ampany		
			For Comm	ssion			ON DIVISION			Chec	cked by		

WICHITA, KS

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 SANDERS E-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.
Date: 10/12/15 Signature: 10/12/15 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.