KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test						(See Instr	ucti	ions on Rev	erse Side)						
☐ Open Flow ☐ Deliverability ☐ Test Date: 9/11/14												No. 15 007-20138-0	าก_ก	11			
Company	EY OF	PER	ATING C	OMF	PANY, LLC	9/11/14			Lease SNYDEF			007-20130-0	J U- U		Vell Nur	mber	
WOOLSEY OPERATING COMPANY, LLC County Location Section BARBER NE SW NE 14							Section TWP				RNG (E/W) 14W			•	Acres Attributed		
Field							Reservoir MISSISSIPPIAN				Gas Gathering Connection ATKAS GAS GATHERING						
Completion Date Plug Back Total 10/26/10 5394											Packer Set at NONE			-			
					Internal I 4.052	Internal Diameter 4.052			Set at 5474		Perforations 4857		то 4928				
Tubing Si 2.375	ze		Weig 4.70	-		Internal D 1.995	Internal Diameter 1.995			Set at 5022		Perforations OPEN		То			
							Type Fluid Production OIL & WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING						
Producing ANNUL	•	(Anr	nulus / Tubi	ng)		% C	arbon Di	oxic	ie .		% Nitrog	jen		Gas Gra	ıvity - G	i a	
Vertical D 4926	epth(H)					Pı	'ess	sure Taps					(Meter F	lun) (Pr	over) Size	
Pressure	Buildu	o: ;	Shut in 9/	10/1	14 2	D at		_	(AM) (PM)	Taken 9/	11/14	20	_		(/	AM) (PM)	
Well on L	ine:	;	Started		20) at		_	(AM) (PM)	Taken		20		_ at	(AM) (PM)	
						•	OBSER	VE	D SURFACE	DATA			Dur	ation of Shut-i	n	Hours	
Static / Dynamic Property	c Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_0) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In			, , ,						110	μαία	80	paid	24	1			
Flow																	
	-					_	FLOW S	TR	EAM ATTRI	BUTES							
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m xh		avity T		Flowing Devia Factor F _p		ctor R		w GOR (Cubic Fee Barrel)		e V	Flowing Fluid Gravity G _m	
						(OPEN FL	OW) (DEI	_[VI	ERABILITY)	CALCUL	ATIONS			(D.)2	= 0.20	07	
(P _c) ² =		_:_	(P _w) ²		;	P _d =		_9	6 (P	_c - 14.4) +	14.4 = _	:		(P _g) ²			
$(P_e)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P _e ²		LOG of formula 1, or 2. and divide by:	P _c ² -P _w ²		Šlop Ass	ssure Curve le = "n" or signed ard Slope	nx	rod	,	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
	_									-							
Open Flor	<u> </u> ~				Mcfd @ 14.	65 psia	_		Deliverabi	ility			Mcf	d @ 14.65 psi	 a		
The u	ndersi	gnec	d authority,	on b	ehalf of the	Company, s	states tha	t he	e is duly au	thorized to	make t	ne above repo	ort a	nd that he ha	s knowl	ledge of	
the facts si	tated th	erei	n, and that	said	report is true	and correc	t. Execu	ted	this the 15	<u>.</u>	day of <u>C</u>	CTOBER	11	100/		20 <u>14</u> . Received	
			Witnes	s (if an	у)			-	_		Um	For	Compa	Charleton	_	ORPORATION COMM	
			For Cor	nmissio	n .			-	_		i.	Che	cked I	ру		CT 2 2 2014	
															CONS	ERVATION DIVISI WICHITA, KS	

exempt and tha	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the SNYDER-BROOKS 1
	Il on the grounds 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 rther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: <u>1</u>	10/15/14
	Signature: Win R Hallayh. 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.