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## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		<b>O</b> .112	•	O O.	(	See Instruc	tions on Rev		e)				
Open Flow Deliverabilty						Test Date:			API No. 15 15-007-22600-00-00					
Company		,		<u> </u>		07/10/13	3	Lease		15-	007-22600-0		Well Number	
WOOLSEY OPERATING COMPANY, LLC					Section		SPRIGGS		DNC /E		B-4	A A		
County BARBER	₹	Location NW NW SW			33		TWP 33S		RNG (E/W) 13W			Acres Attributed		
Field AETNA					Reservoir SNYDE				Gas Gathering Conne APC		ection			
Completion Date 10/15/05					Plug Back 4284	k Total Dep	h		Packer Set at NONE					
Casing Si 4.500	ze		Weight 10.50			Internal Diameter 4.052		Set at 4326		Perforations 4058		то 4068		
Tubing Size			Weight			Internal Diameter		Set at		Perforations		To		
2.375 4.70 Type Completion (Describe)				1.995 Type Flui	d Productio	4198 · F		OPEN Pump Unit or Traveling		Plunger? Yes	/ No			
SINGLE	<u> </u>			\		WATE			Pl		PUMPING			
Producing Thru (Annulus / Tubing) ANNULUS					% C	arbon Diox	ade	e % Nitrogen		jen	Gas Gravity - G <sub>g</sub>			
Vertical D	epth(F	1)			•		Pres	ssure Taps				(Meter I	Run) (Prover) Size	
Pressure	D. ild.		Shut in 07	7/10	i in	, 13		(AAA) (DAA)	07	7/11		13	(AM) (PM)	
Well on L		•										at		
- TON ON E						· at		. (AIVI) (I IVI)	Taken		20	at	(AIVI) (FIVI)	
			Circle one	:	Pressure		I	Casi		T	Tubing	Duration of Shut-	-in Hours	
Static / Dynamic Property	Dynamic Size		e Prover Pressur		Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t t		Wallboad Brassura		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In								30	pola	24	polu	24		
Flow								16		22				
							FLOW STE	REAM ATTRI	BUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	riation actor - pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	i Gravitu	
			<u> </u>			(ODEN EL	0W) (DEL 1)	(CDADII ITX)		ATIONO				
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup>	=	:	P <sub>d</sub> =		<b>/ERABILITY</b> ) % (P	, CALCUL , - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	$x^2 = 0.207$ $x^2 = 0.207$	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Curv Slope = "n" or Assigned Standard Slope		n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	N		Mcfd @ 14.65 ps				psia		Deliverability			Mcfd @ 14.65 psia		
The u	ınders	ignec	d authority,	on b	ehalf of the	Company, s	tates that h	ne is duly au			•	ort and that he ha	s knowledge of	
the facts st	tated t	herei	n, and that	said	report is true	and correct	t. Executed	this the 31	<u> </u>	day of A	UGUST		, 20 13	
								_	U	m	L Ka	llauh	KCCW	
			Witness	(if an	y)						For (	Company	KCC W	
			For Com	nmissio	on			_			Che	cked by	NUV 26	

	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
and that the foreg	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 allation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the SPRIGGS B-4 ounds that said well:
(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
•	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>08/31/13</u>	
	Signature: <u>Um R Hallaugh</u> 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.