KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Re	verse Side	∍)			
Open Flow				Test Date:				ADI	No. 15	_		
De	liverab	ilty			5-3-11					-20,167 ~	-000	
Company W.R. W		1S, I	inc.				Lease Ander	son			1	Well Number
County Location Greeley C/SW/SW			Section 31		TWP 19S		RNG (E/W) 39W			Acres Attributed 640		
Field Bradshaw			•		Reservoir Winfield			Gas Gathering C Duke Energy			ection	
Completic 07-79	on Dat	θ			Plug Bac 2866	k Total Dept	ih	·	Packer Se	et at		
Casing Size Weight 4.5 10.5			nt	Internal Diameter 4.052		Set at 2869		Perforations 2824		то 2833		
			Weigl 4.7	nt	Internal Diameter 1.995		Set at 2864		Perforations		То	
Type Completion (Describe Single Gas			escribe)		Type Fluid Production Water				Pump Unit or Traveling P Pump Unit		Plunger? Yes / No	
Producing Thru (Annulus / Tubing) Annulus			% Carbon Dioxide				% Nitrogen			Gas Gravity - G _o		
Vertical D	epth(H	1)			·	Pres	sure Taps			 .	 	Run) (Prover) Size
Pressure	Buildu	p:	Shut in5	2 2	0_11_at_1	1:00 AM	(AM) (PM)	Taken_	5-3	20	11 at 11:00	AM_ (AM) (PM)
Well on L	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static /	Orifi	ce	Circle one: Meter	Pressure Differential	Flowing	Well Head	Cesing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced
Dynamic Si Property (Incl		Prover Pressu		ure in	Temperature t	Temperature t	(P _w) or (P _t) or (P _c)		(P_w) or (P_t) or (P_c)		(Hours)	(Barrels)
			psig (Pm)	Inches H ₂ 0			psig	psia 00 4	psig	psia		
Shut-In				<u> </u>			55	68.4			24	
Flow					······································		ļ		<u> </u>	<u></u>		
· · · · · · · · · · · · · · · · · · ·	 r			 	T	FLOW STR	EAM ATTR	IBUTES			· · · · · · · · · · · · · · · · · · ·	
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension P _m x h	Grav Fact F _a	or T	Flowing Temperature Factor F ₁₁		iation actor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
								 				
				1	•	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P _a)	2 = 0.207
(P _c) ² =		<u>-</u> :	(P _w) ² =	Choose formula 1 or 2.		9	% (I	P _c - 14.4) +	14.4 =	:	(P ^q);	'=
(P _e)² - (F or (P _e)² - (F	2 _a) ²	(P	(_c) ² - (P _±) ²	1. P _c ² -P _s ² 2. P _c ² -P _s ²	LOG of formula 1. or 2.		Slo	ssure Curve pe = "n" - or signed	n x LC	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog
(, , , , ,	d'			divided by: $P_c^2 - P_w^2$	and divide by:	P _c ² -P ₂ ²		lard Slope				(Mcfd)
Open Flor	w .			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 psi	a.
The	undersi	gned	authority, o	n behalf of the	Company, s	tates that he	e is duly a	uthorized to	o make the	above repo	rt and that he ha	s knowledge of
the facts si	tated th	erei	n, and that s	aid report is true	and correct	t. Executed	this the	3			Dr.	, 20 <u>11</u> .
			Witness (if any)					Dave (Company	CEIVED
			***************************************							FOIC	AUG	6 0 5 2011

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request xempt status under Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.
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
If 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 Anderson #1
as 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 taff as necessary to corroborate this claim for exemption from testing.
Date: 5-3-11 RECEIVED AUG 0 5 2011
Signature: KCC WICHITA
Title: President

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.