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

Type Tes	t:				1	(See Instruc	tions on Rev	erse Side	e)			
Open Flow				Test Date	a·			ΔÞ	l No. 15			
De	eliverab	oilty			07/14/2					9-22385 <b>- 0</b>	400	
Company Wynn-C		Оре	erating, Ltd.				Lease Shafer D				3	Well Number
County Stevens			Location 1980 FNL, 1150 FWL		Section 25		TWP 32		RNG (E/W) 39W			Acres Attributed 640
Field Shafer					Reservoi Lower N	r Morrow G			Gas Ga APC	thering Conn	ection	
Completion 07/01/03		te		7,7,7,111111111111111111111111111111111	Plug Bac 6254	k Total Dept	th		Packer :	Set at		
Casing S 5.5	ize	***************************************	Weigh 15.5	Internal I 4.95	Internal Diameter 4.95		Set at 6319		orations 6	то 5950		
Tubing S	ize		Weigh	t	Internal Diameter		Set at 5806		Perforations		То	
2.375 Type Con	noletio	n (D	4.7		1.995	d Production		· · · · · · · · · · · · · · · · · · ·	Pump III	nit or Traveling	Plunger? Ves	/ No
Single (		(D	escribe)			nsate / W			Yes	int or mavening	rrunger: res	7 140
	g Thru	(An	nulus / Tubin	3)	% C	Carbon Dioxi	de		% Nitrog	jen	Gas Gr	ravity - G <sub>g</sub>
Tubing Vertical D	Depth(H	1)			-	Pres	sure Taps				(Meter	Run) (Prover) Size
Pressure	Buildu	p:	Shut in	13	20_ <u>12</u> at_8	AM	(AM) (PM)	<sub>Taken</sub> 07	7/14	20	12 at 8 AM	(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 24 Hours
Static / Orification of the Control		fice Circle of		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced
			Prover Pressi	<i>ire</i> in	Temperature t	Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		(P <sub>w</sub> ) o	(P <sub>t</sub> ) or (P <sub>c</sub> )	(Hours)	(Barrels)
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 47	psia	psig 100	psia	24	
Flow												
			•	•		FLOW STR	EAM ATTRIE	UTES		•		
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fact	tor T	Flowing Femperature Factor Fr	Fa	iation ctor : <sub>P</sub> v	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P)	<sup>2</sup> = 0.207
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =	9	% (P <sub>c</sub>	- 14.4) +	14.4 =	*	(P <sub>d</sub> )	
(P <sub>c</sub> )² - (F or (P <sub>c</sub> )² - (F	1	(P	P <sub>c</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>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		= "n" r gned	nx	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flor	w			Mcfd @ 14.	65 psia	·····	Deliverabili	ty			Mcfd @ 14.65 psi	ia
•		ianer	1 authority o			tatee that h			make #		rt and that he ha	
		•	•		• •		•			•		_
ine racts s	iated th	ierei	n, and that sa	uα repoπ is true	and correc		this the		uay Of			, 20
			Witness (i	(anv)	K		PORATION CO	MMISSIO	N	ForC	company	and the state of t
						II	G 1 4 20	13				
			For Comm	ission		AU	- 1 1 20			Chec	ked by	

	clare 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 Wynn-Crosby Operating, Ltd.
ınd tha	t the foregoing pressure information and statements contained on this application form are true and
orrect	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Shafer D-3
as we	l on the grounds that said well:
	(Charle ana)
	(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
	Is not capable of producing at a daily fall in excess of 200 mons
l fu	rther 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.
Jate.	8 13 13
<i>-</i> a.e	
	Signature:
	Title: Director of Regulatory Compliance

## 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.