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

Type Test					(	'See Instruc	tions on Re	verse Side	i)			
□ Ор	en Flov	٧ '	SIRT.		Tool Date				ADL	N. 45		
De	liverabi	lty			Test Date 8-30-14					No. 15 119-21217	-0000	
Company KEITH I		\LK	ER OIL & (	GAS			Lease CART\					Well Number
County Location MEAD E/2 E/2 NE SE				Section 20		TWP 31S			V) .		Acres Attributed	
Field					Reservoir					ering Conn		
Completic		•			Plug Bac	k Total Dep	th		Packer So			<del></del>
Casing Size Weight 4.5 11.6			Internal I 4.000	Diameter		Set at Perfo 5750 542		ations	т <sub>о</sub> 5556			
Tubing Size 2,375		Weight 4.7		Internal E	Internal Diameter 1.995		Set at 5410		Perforations		<del>.</del>	
Type Con SINGLE						d Production	n			t or Traveling _UNGER	Plunger? Yes	/ No
	Thru		nulus / Tubing)			arbon Dioxi	de		% Nitroge		Gas Gra	avity - G <sub>g</sub>
Vertical D		·	<del> </del>			Pres	sure Taps				****	Run) (Prover) Size
5493	opan, r					FLA	NGE				3.068	н
Pressure	Buildup										at_0843	
Well on Li	ine:	:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
				1		OBSERVE	D SURFAC	E DATA		-	Duration of Shut-	in_24.0 Hours
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P <sub>w</sub> ) or (F	Pressure	Wellhea (P <sub>w</sub> ) or	bling d Pressure (P <sub>i</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		'	po.g (y	monos v <sub>2</sub> o			209.6	224	178.3	192.7	24.0	
Flow												
						FLOW STR	EAM ATTR	IBUTES				
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fact	tor	Temperature F		viation Metered Flow actor R F <sub>pv</sub> (Mofd)		(Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>
											_	
				<del></del> -	•	OW) (DELIV		-		-		2 = 0.207
(P <sub>c</sub> ) <sup>2</sup> =	<del>- 1</del>	<u>- :                                     </u>	(P <sub>w</sub> ) <sup>2</sup> =	oose formula 1 or 2	P <sub>d</sub> =	<del></del>	1	P <sub>c</sub> - 14.4) +		; ;	(P <sub>d</sub> ):	· · · · · · · · · · · · · · · · · · ·
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(F	)2-(P <sub>w</sub> )2	1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. 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>	Slo	ssure Curve pe = "n" - or signed	l n x L	OG	Antilog	Open Flow Deliverability Equals R x Antifog (Mcfd)
			dis	ided by: P.3 - P.	2 by:		Stand	ard Slope				, , , , ,
Open Flor	w			Mcfd @ 14.	65 psia		Deliverat	oility	1		Mcfd @ 14.65 psi	а
The i	undersi	gned	d authority, on	behalf of the	Company, s	states that h	ne is duly a				rt and that he ha	
the facts s	tated th	erei	n, and that said	l report is true	e and correct KANSAS Co	t. <b>Received</b> ORPORATION	ythis the <u>3</u> COMMISSION	1	day of Au	ig		, 20 <u>14</u> .
			Witness (if a	ny)	DE	<del>C 2 9</del> 2		Keid	th F	Nall	ter Oil-	Cas
			For Commiss	ion	CONSE	ERVATION DI WICHITA KS	VISION	Da	My	Ve Da	cked by	<u>_e</u>

exempt status under Rule K.A.R. 82-3-3 and that the foregoing pressure inform correct to the best of my knowledge an of equipment installation and/or upon to	under the laws of the state of Kansas that I am authorized to request 304 on behalf of the operator KEITH F. WALKER OIL AND GAS nation and statements contained on this application form are true and ad belief based upon available production summaries and lease records upon or upon use being made of the gas well herein named.
I hereby request a one-year exemp	otion from open flow testing for the CARTWRIGHT 20 #1
gas well on the grounds that said well:	
is on vacuum at the is not capable of pro	er lift due to water al gas for injection into an oil reservoir undergoing ER present time; KCC approval Docket No oducing at a daily rate in excess of 250 mcf/D st of my ability any and all supporting documents deemed by Commission
Received  KANSAS CORPORATION COMMISSION  DEC 2 9 2014  CONSERVATION DIVISION WICHITA, KS	Signature: <u>Stave Difon</u> Title: Production Foreman

## 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.