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

ype Test:			(Sec	e Instruc	tions on Rev	rerse Side,	) IS-17	15-2129	34-00	.00		
Open Flo		•	Test Date:				API	<del>-No. 15</del> -	•			
Deliverat	oilty		6-12-12			+	15=	<del>175 21,024</del>	<b>-</b>		<del></del>	
Company H & C OIL OF	PERATING, INC	<b>D</b> .			Lease SOUTH	WEST C	OLLEGE	<u> </u>	3	Well Nu	ımber	
County Location SEWARD 990' FNL & 990' FWL			Section TWP 19 31S			RNG (E/W) 31W				Acres /	Attributed	
Field	Reservoir MORROW			Gas Gathering Connect ONEOK			ection					
Completion Da 1-28-93	ompletion Date 28-93			Plug Back Total Depth 5531			Packer S NONE					
Casing Size Weight .5 10.5			Internal Diar 4.052	meter	Set a 5583		Perforations 5462		то 5475			
Tubing Size Weight 2.375 4.7			Internal Diam	meter	Set 6 546			То				
Type Completic	Type Fluid Production NONE				Pump Unit or Traveling Plunger?			Yes / No				
Producing Thru	% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>o</sub> .671					
Vertical Depth(I	Pressure Taps FLANGE			1	i			(Meter Run) (Prover) Size 3.068"				
	Pressure Buildup: Shut in 6-8-12					M) Taken 6-11-12		20			(AM) (PM)	
Well on Line:	Started 6-	11-12 20	at	5	(AM) (PM)	Taken 6-	12-12	20	at1115		(AM) (PM)	
			0	BSERVE	D SURFAC	DATA			Duration of Shu	<sub>ut-in</sub> 24	.0 Hours	
Static / Orill Dynamic Si Property (incl	Ze Prover Pres	Differential sure in		Vell Head imperature t	(P, ) or (P	Pressure	Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ paig paia		Duration Lic (Hours)		id Produced (Barrels)	
Shut-In	,,,,,,	, , , , , , , , , , , , , , , , , , , ,			163.2	177.6	163.0	177.4	72.0			
Flow .62	5 16.3	25.2	77 7	75	144.7	159.1	90.9	105.3	24.0	0		
	<del></del>		FI.	LOW ST	REAM ATTR	BUTES			<del></del>		· · · · · · · · · · · · · · · · · · ·	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Meter or Extension Prover Pressure			Flowing Temperature Factor F <sub>II</sub>	Deviation Factor F <sub>pv</sub>		Metered Flo R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
1.8973	30.70	30.70 27.81		1.2280 0.		1.002	9	63.6	NONE		0.671	
B 12 _ 31.5	. (8.3	_ 25.3	(OPEN FLOW					177.6 <sub>:</sub>		$(a)^2 = 0.2$	207	
$(P_c)^2 - (P_o)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	$ (P_w)^2 = \frac{25.3}{(P_e)^2 - (P_w)^2} : $ $ (P_e)^2 - (P_w)^2 = \frac{Choose formula 1 or 2:}{1. P_e^2 - P_e^2} $ $ 2. P_e^2 - P_e^2 $ $ divided by: P_e^2 - P_w^2 $		o.s. P.,s	Backpre Sloj As	ssure Curve pe = "n" orsigned ard Slope		ΓΊ	Antilog	O De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
31.33	6.23	5.030	0.7016		0.850		0.5	964	3.9479	250	.99	
Open Flow 25	51	Mcfd @ 14.6	35 psia		Deliverab	ility			Mcfd @ 14.65 p	osia		
	therein, and that	on behalf of the sald report is true  Cultury  Ondage	and correct.	Execute	-	2	day of _	UNE	Company		20 12	

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request							
-	ot status under Rule K.A.R. 82-3-304 on behalf of the operator							
	at the foregoing pressure information and statements contained on this application form are true and							
	t to the best of my knowledge and belief based upon available production summaries and lease records							
	ipment 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							
gas we	ell 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							
	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission							
staff a	s necessary to corroborate this claim for exemption from testing.							
Date: _	<del> </del>							
	İ							
	Signature:							

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.