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

Type Test	t:				(	See Instruc	ctions on Rev	verse Side	<del>)</del> )				
Op	en Flow	,			Took Dok				A D I	No. 45			
<b>√</b> De	liverabil	ty			Test Date 08/25/2					No. 15 3-20925	റ്റ		
Company		elopment	Corpo	ation			Lease McCall				33-5	Well Number	
County Cheyenr	ne		ocation VSE		Section 5		TWP 5S		RNG (E/	W)		Acres Attributed 480	
Field Cherry C	Creek				Reservoi Niobrara					hering Conn rury Pipeline			
Completic 03/12/20					Plug Bac 1533'	k Total Dep	oth		Packer S N/A	Set at			
Casing Size 4 1/2"			Weight 10.5#		Internal Diamete 4"		Set at 1560'		Perforations 1388'		то 1400'	· •	
Tubing Si 2 3/8"	ize		Veight .75#		Internal [ 2"	Diameter	Set a 1474		Perfo	rations	То		
Type Con N2 Frac		(Describe)			Type Flui Brine \	d Productio <b>Vater</b>	on	·	•	nit or Traveling Yumping Ur		/ No	
Producing	-	Annulus / 1	Tubing)		% C	arbon Diox	ride		% Nitrog	en	Gas G	ravity - G <sub>g</sub>	
Vertical D	epth(H)					Pres	ssure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildup	: Shut in	08/25	52	0 09 at 9	:35am	. (AM) (PM)	Taken_08	3/27	20	09 at 12:42p	om (AM) (PM)	
Well on L	ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					Ü	OBSERVE	D SURFACE	DATA	A		Duration of Shut	51.25 Hours	
Static / Dynamic Property	Orifice Size (inche	Me Prover F	ter Pressure	Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P <sub>w</sub> ) or (P <sub>t</sub>	Pressure	Wellhe	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig	(Pm)	Inches H <sub>2</sub> 0		-	psig 145	psia	psig	psia			
Flow							1						
<u></u>	,	I			<u> </u>	FLOW ST	L	BUTES	1				
Plate		Circle one:		Droop			Flowing					Flowing	
Coeffieci (F <sub>b</sub> ) (F Mcfd	ient ,)	<i>Meter</i> or <i>Prover Press</i> psia	ure	Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>g</sub>	or	Temperature Factor F <sub>tt</sub>	Fa	iation ctor :	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	eet/ Fluid	
(P <sub>c</sub> ) <sup>2</sup> =		· (P	w)2 =		(OPEN FLO		/ERABILITY)	CALCUL c - 14.4) +			(P <sub>a</sub> )	<sup>2</sup> = 0.207	
(', ', '			Cho	ose formula 1 or 2:				sure Curve		·	(' <sub>d</sub> /		
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>3</sup>		1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ ded by: $P_c^2 \cdot P_w^2$	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop  Ass	stre Curve e = "n" or igned ird Slope	n x I	.og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia	
The	ındereic	ned authori	ty on h			tates that h		•	n make th		rt and that he ha		
	_		•			t. Executed	this the 22 EIVED		day of O	•	it and that he ha	, 20 <u></u> .	
-		Wit	ness (if an	у)			2 6 2009		Jan	For C	Company		
		For	Commissi	on						Chec	cked by		
		. 01				KCC V	<b>NICHITA</b>	4		Shec	···		

l declare under peneltu (	f navium, under the laws of the state of Manage that I s	om outborized to request						
•	f perjury under the laws of the state of Kansas that I and I.R. 82-3-304 on behalf of the operator Petroleum Devel	•						
	ure information and statements contained on this appli							
correct to the best of my know	rledge and belief based upon available production sumr	naries and lease records						
• •	or upon type of completion or upon use being made of th	<u> </u>						
I hereby request a one-ye	ar exemption from open flow testing for the McCall 33-	·5						
gas well on the grounds that	eaid well:							
(Check one)								
is a coalbe	d methane producer							
is cycled o	is cycled on plunger lift due to water							
is a source	oing ER							
is on vacu	ım at the present time; KCC approval Docket No							
✓ is not capa	ble of producing at a daily rate in excess of 250 mcf/D							
I further agree to supply	o the best of my ability any and all supporting documer	nts deemed by Commission						
staff as necessary to corrobo	rate this claim for exemption from testing.							
Date: October 22, 2009								
Date: October 22, 2009		RECEIVI						
		RECEIVE OCT 26 2						
		KCC WICH						
	Signature: Jany 1844							
	Title: Regulatory Agent							

## 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.