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

Type Test: (See Instructions on Reverse Side)  Open Flow	
Test Date: API No. 15    Deliverability	
Company Lease CULWELL	Well Number 42-8
County Location Section TWP RNG (E/W) Cheyenne NESENE 8 5S 40W	Acres Attributed 160
Field Reservoir Gas Gathering Cherry Creek Niobrara DRURY GAT	
Completion Date Plug Back Total Depth Packer Set at 4/29/2008 1550' N/A	
Casing Size Weight Internal Diameter Set at Perforations 4.5" 10.5# 4" 1571' 1424'	то 1436'
Tubing Size Weight Internal Diameter Set at Perforations 2.375" 4.75# 2" 1445'	з То
Type Completion (Describe)  Type Fluid Production  Pump Unit or Tr  N2 Fracture  Brine Water  YES, PU	raveling Plunger? Yes / No
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen ANNULUS <1% <1%	Gas Gravity - G
Vertical Depth(H) Pressure Taps 1590'	(Meter Run) (Prover) Size
<del></del>	20 13 at 9:15AM (AM) (PM)
Well on Line: - Started 20 at (AM) (PM) Taken	20 at (AM) (PM)
OBSERVED SURFACE DATA	Duration of Shut-inHours
Static / Orifice Original Control one: Pressure Differential Flowing Temperature Property (inches) Property (inches) Property Property Property (inches) Property Pro	
Shut-in   psig (riii) inches n <sub>2</sub> 0   psig psia psig p	1518
Flow	
FLOW STREAM ATTRIBUTES	
Coefficient Meter or Extension Factor Temperature Factor	ered Flow GOR Flowing R (Cubic Feet/ Mcfd) Barrel) Flowing Fluid Gravity G <sub>m</sub>
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $P_{e}^{72} = : (P_{w})^{2} = : P_{d} = % (P_{e}^{-14.4}) + 14.4 =$	$(P_a)^2 \simeq 0.207$ _: $(P_d)^2 = $
	Antilog Open Flow Deliverability Equals R x Antilog (Mcfd)
Dage Flow	Motel @ 14.55
Open Flow Mcfd @ 14.65 psia Deliverability	Mcfd @ 14.65 psia
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above the facts stated therein, and that said report is true and correct. Executed this the	we report and that he has knowledge of $\frac{\rho(\hat{r})}{r}$ , 20 $\frac{14}{r}$ .
Witness (if any)	- Bunk KCC WICH
withess (it ally)	
For Commission	Checked by APR 0 9 20

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request	
exempt status u	nder Rule K.A.R. 82-3-304 on behalf of the operator <u>Caerus WashCo LLC</u>	
and that the for	egoing pressure information and statements contained on this application form are true and	
correct to the be	est of my knowledge and belief based upon available production summaries and lease records	
of equipment ins	stallation and/or upon type of completion or upon use being made of the gas well herein named.	
I hereby req	uest a one-year exemption from open flow testing for theCULWELL_42-8	
gas well on the	grounds that said well:	
/Cho	ck one)	
	is a coalbed methane producer	_
<u> </u>	is cycled on plunger lift due to water	
	is a source of natural gas for injection into an oil reservoir undergoing ER	İ
<u>_</u>	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	
_	_	_
		-
_	ree to supply to the best of my ability any and all supporting documents deemed by Commission	-
_	ree to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.	-
_		-
_		-
staff as necessa		-
staff as necessa		-
staff as necessa		
staff as necessa		
staff as necessa		
staff as necessa	ary to corroborate this claim for exemption from testing.	

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.

KCC WICHITA

APR 0 9 2014