

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2
(Rev 06/2)

Type Test

- Open Flow
 Deliverability

Test Date: **03/08/12**

API No. 15- **129 20585 -00 - 00**

Company ANADARKO PETROLEUM CORPORATION		Lease BROWN		Well Number C-3	
County MORTON	Location SW SW SE	Section 31	TWP 34	RNGE (E/W) 43	Acres Attributed 0
Field INTERSTATE		Reservoir REDCAVE	Gas Gathering Connection HUGS W		
Completion Date 01/30/82		Plug Back Total Depth 1329	Packer Set at NA		
Casing Size 4.5	Weight 10.5	Internal Diameter 4.052	Set at 1329	Perforations 1244	To 1272
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 1233	Perforations NA	To NA
Type Completion (Describe) SINGLE GAS		Type Fluid Production NA	Pump Unit or Traveling Plunger? Yes / No		
Producing Thru (Annulus / Casing) CASING		% Carbon Dioxide 1.27	% Nitrogen 50.878	Gas Gravity - G _g 0.818	
Vertical Depth (H) 1258	Pressure Taps FLANGE		(Meter Run) X	(PROVER) 	Size 3
Pressure Buildup: Well on Line:	Shut in Started	<u>03/07/12</u> <u></u>	at 9:30am at	(AM)(PM) (AM)(PM)	Taken Taken
					<u>03/08/12</u> <u></u> at 9:30am at (AM)(PM) (AM)(PM)

OBSERVED SURFACE DATA

Duration of Shut-in **24 Hours**

Static / Dynamic Property	Orifice Size inches	Circle One: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						45	59.4			24	
Flow	1.250				60		0			NA	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle One: Meter or Prover Pressure psia	Pressure Extension Sqrt ((P _m)(Hw))	Gravity Factor F _g	Flowing Temperature Factor F _T	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
7.771	14.4	0	1.106	1.063	1.000	0	0	0.000

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 3.528 (P_w)² = 0 P_d = % (P_c-14.4)+14.4 = (P_w)² = 0.207 (P_d)² =

(P _c) ² - (P _d) ² or (P _c) ² - (P _w) ²	(P _d) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _c ² - P _d ² divided by P _c ² - P _w ²	LOG of formula 1. or 2. (P _c ² - P _w ²) and divide by:	Backpressure Curve Slope = "n" _____ or _____ Assigned Standard Slope	n x LOG ()	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
3.321	3.528	0.941	-0.026	0.850	-0.022	0.95	0

Open Flow

Deliverability

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 8th day of March, 2012

Witness (if any)

Thomas L. Walsh

For Company

For Commission

RECEIVED

JUL 23 2012

KCC WICHITA

Checked by

RECEIVED

Form G-2
(Rev. 7/03)

JUL 23 2012

KCC WICHITA

I declare 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 Anadarko and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the Brown C-3 gas well 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

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 04/23/12

Signature: [Handwritten Signature]

Title: Production Engineer

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