

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2
(Rev. 6/98)

Type Test

- Open Flow
 Deliverability

(See Instructions of Reverse Side)

Test Date: **03/06/12** API No. 15- 129 20351 - 00- 00

Company ANADARKO PETROLEUM CORPORATION		Lease DUNKLE		Well Number C-1	
County MORTON	Location 1980 FNL & 1980 FEL	Section 24	TWP 33	RNGE (E/W) 41	Acres Attributed 0
Field PANOMA UNALLOCATED		Reservoir COUNCIL GROVE		Gas Gathering Connection ANADARKO GATHERING	
Completion Date 03/16/78		Plug Back Total Depth 2606		Packer Set at n/a	
Casing Size 4.5	Weight 10.5	Interenal Diameter 4.052	Set at 2800	Perforations 2484	To 2575
Tubing Size 2.375	Weight 4.7	Interenal Diameter 1.995	Set at 2598	Perforations NA	To NA
Type Completion (Describe) SINGLE GAS	Type Fluid Production WATER	Reservoir Temp 130	Pump Unit or Traveling Plunger? Pumping Unit	Yes / No Pmp	
Producing Thru (Annulus / Casing) Casing		% Carbon Dioxide 0.135	% Nitrogen 16.848	Gas Gravity - G _g 0.733	
Vertical Depth (H) 2529		Pressure Taps Pipe	(Meter Run) X	(PROVER) 	Size 4
Pressure Buildup: Well on Line:		Shut in <u>03/05/12</u> Started <u>N/A</u>	at 0.4722222 (AM)(PM) at N/A (AM)(PM)	Taken <u>03/06/12</u> Taken <u>N/A</u>	at 0.4722222 (AM)(PM) at N/A (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 _j) or (P _d)		Tubing Wellhead Pressure (P _w) or (P _j) or (P _d)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						9	23.4	Pmp		24	
Flow	0.625	N/A	N/A	N/A	60	N/A	0	Pmp		N/A	N/A

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle One: Meter or Prover Pressure psia	Pressure Extension Sqrt ((Pm)(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
1.927	14.4	0	1.168	1.063	1.000	0	0	0.000

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_d)² = 0.548 (P_w)² = 0 P_d = % (P_c-14.4)+14.4 = (P_w)² = 0.207 (P_d)² =

(P _d) ² - (P _w) ² or (P _d) ² - (P _d) ²	(P _d) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a 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
0.341	0.548	0.622	-0.206	0.878	-0.181	0.659	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 6th day of March 2012

Witness (if any)

Thomas L. Walsh

For Company

For Commission

RECEIVED

JUL 23 2012

KCC WICHITA

Checked by

RECEIVED

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 Dunkle C-1 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: 04/23/12Signature: [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 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.