

ANSAS ORPORATION OMISSION **K **C****
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2
(Rev. 020)

Type Test

- Open Flow
 Deliverability

Test Date: **03/06/12**

15 129 20541 - 00-00

Company ANADARKO PETROLEUM CORPORATION		Lease McDOUGAL		Well Number A-1	
County MORTON	Location 1980FSL &660 FEL	Section 11	TWP 33	RNGE (E/W) 41	Acres Attributed 0
Field PANOMA UNALLOCATED		Reservoir COUNCIL GROVE		Gas Gathering Connection ANADARKO GATHERING	
Completion Date 10/01/81		Plug Back Total Depth 2670		Packer Set at N/A	
Casing Size 4.5	Weight 10.5	Internal Diameter 4.052	Set at 3143	Perforations 2512	To 2646
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 2649	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 0.119	% Nitrogen 17.985	Gas Gravity - G _g 0.727	
Vertical Depth (H) 2579	Pressure Taps Flange		(Meter Run) X	(PROVER) X	Size 4
Pressure Buildup: Well on Line:	Shut in Started N/A	at 0.4479167 (AM)(PM) at N/A (AM)(PM)	Taken 03/06/12 Taken N/A	at 0.447917 (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 _e)		Tubing Wellhead Pressure (P _w) or (P _j) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						13	27.4	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 ₀) 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
1.892	14.4	0	1.173	1.063	1.000	0	0	0.000

(OPEN FLOW) (DELIVERABILITY)

(P_j)² = 0.751 (P_w)² = 0 P_e = % c-14.4+14.4 = (P_j)² =

(P _j) ² -(P _w) ² or (P _j) ² -(P _e) ²	(P _j) ² -(P _w) ²	Choose formula 1 or 2: 1. P _e ² -P _w ² 2. P _e ² -P _j ² divided by P _e ² -P _w ²	LOG of formula 1. or 2. (P _e 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
0.544	0.751	0.724	-0.14	0.961	-0.135	0.734	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)

For Commission

RECEIVED

JUL 23 2012

KCC WICHITA

For Company

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 Mc Dougal A-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: 04/23/12

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 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.