

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2
(Rev 8/08)

Type Test
 Open Flow
 Deliverability

Test Date: **03/08/11**

API No. 15- 129 30076 - **0000**

Company ANADARKO PETROLEUM CORPORATION		Lease INTERSTATE		Well Number F-2	
County MORTON	Location SW NE NW	Section 20	TWP 34	RNGE (E/W) 43	Acres Attributed 0
Field INTERSTATE		Reservoir REDCAVE	Gas Gathering Connection HUGS W		
Completion Date 11/05/65		Plug Back Total Depth 1238	Packer Set at NA		
Casing Size 5.5	Weight 14	Internal Diameter 4.952	Set at 1238	Perforations 1174	To 1238
Tubing Size 1.66	Weight 2.4	Internal Diameter 1.38	Set at 1210	Perforations NA	To NA
Type Completion (Describe) SINGLE GAS		Type Fluid Production NA	Pump Unit or Traveling Plunger? NA		Yes / No NA
Producing Thru (Annulus / Casing) CASING		% Carbon Dioxide 1.27	% Nitrogen 40.59	Gas Gravity - G _g 0.788	
Vertical Depth (H) 1206		Pressure Taps FLANGE	(Meter Run) X	(PROVER) NA	Size 4
Pressure Buildup: Well on Line:		Shut in <u>03/07/11</u> Started <u>NA</u>	2000 at 9:00am 2000 at	(AM)(PM) (AM)(PM)	Taken <u>03/08/11</u> Taken <u>NA</u>
			2000 at 9:00am 2000 at	(AM)(PM) (AM)(PM)	Taken <u>03/08/11</u> Taken <u>NA</u>

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 _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						31	45.4			24	
Flow	1.000	NA	NA	NA	60	NA	0			0	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
4.874	14.4	0	1.127	1.063	1.000	0	0	0.000

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)²= 2.061 (P_w)²= 0 P_g= % (P_c-14.4)+14.4= (P_w)²=0.207
(P_d)²=

(P _c) ² -(P _d) ² or (P _d) ² -(P _w) ²	(P _d) ² -(P _w) ²	Choose formula 1 or 2: 1. P _c ² -P _d ² 2. P _c ² -P _w 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 by Standard Slope	n x LOG ()	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
1.854	2.061	0.9	-0.046	0.845	-0.039	0.914	0

Open Flow 0 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 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 2011

Thomas L. Walsh
For Company

Witness (if any)

For Commission

Checked by

RECEIVED
DEC 19 2011
KCC WICHITA

RECEIVED
SEP 26 2011
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 Petroleum Corporation 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 INTERSTATE F-2 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: OCTOBER 31, 2011

Signature: *Krista Howard*
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.

RECEIVED
DEC 19 2011
KCC WICHITA