

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-175-21817-00-00

Conservation Division

Form C-5 Rev.

TYPE TEST:  Initial  Annual  Workover  Reclassification TEST DATE: 8/1/01

Company: Anadarko Petroleum Corp Lease: Hatcher Well No. D-1

County: Seward Location: 990' FSL 3990' FEL Section: 26 Township: 33 Range (E/W): 33 Acres:

API Well Number: 15-175-21,817-0000 Reservoir(s): Marmaton Gas Pipeline Connection: Santa Fe Booster

Completion Date: 5/28/01 Type of Completion (Describe): Single (Marmaton A & B) Plug Back T.D.: 5150' Packer Set At:

Lifting Method: Nonc (Pumping) Gas Lift: ESP Type Liquid: Oil/water API Gravity of Liquid/Oil: 41

Casing Size: 5.5 Weight: 15.5# ID: 4.99 Set At: 5320' Perforations: 5077-84, 5107-14, 5121-29 To:

Tubing Size: 2.375 Weight: 4.7# ID: 1.995 Set At: Perforations: To:

Pretest: Starting Date: Time: AM/PM Ending Date: Time: AM/PM

Test: Starting Date: 7/31/01 Time: 9 AM/PM Ending Date: 8/01/01 Time: 9 AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure: Casing: 21 Psig Tubing: 21 Psig Separator Pressure: NA Choke Size:

Bbls./In.	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest										
Test	WATER 210	-	2	2	78	2	9	99	21	
Test	300	3575	7	9	155-31	8	5	168.67		13.36

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections (Yes/No): Pipe Taps: Flange Taps:  Orifice Meter Range: Differential: Static Pressure:

Type Measuring Device	Entry Size	Orifice Size	Meter-Prover-Tester Pressure					Diff. Press. (h <sub>w</sub> ) or (h <sub>d</sub> )	Gas Gravity (G <sub>s</sub> )	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (P <sub>d</sub> )	%CO <sub>2</sub>	H <sub>2</sub> Sppm			
Orifice Meter	2"	1/2								
Critical Flow Prover										
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F <sub>w</sub> ) (F <sub>p</sub> )	Meter-Prover Press. (P <sub>sia</sub> ) (P <sub>sa</sub> )	Press. Extension $\sqrt{h_w \cdot P_{sa}}$	Gravity Factor (F <sub>g</sub> )	Flowing Temp. Factor (F <sub>t</sub> )	Deviation Factor (F <sub>v</sub> )	Sqr. Rt. Chart Factor (F <sub>d</sub> )
	E G M					

Gas Prod. MCFD: 19 MCFD Oil Prod. Bbls/Day: 13.36 Gas/Oil Ratio (GOR) = 1422.16 Cubic Feet per Bbl.

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 1<sup>st</sup> day of August 2001

For Offset Operator: [Signature] For Commission: [Signature] For Company: [Signature]

Rec'd 8-2-01

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST  
BARREL TEST

OPERATOR \_\_\_\_\_ LOCATION OF WELL \_\_\_\_\_

LEASE \_\_\_\_\_ OF SEC. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_

WELL NO. \_\_\_\_\_ COUNTY \_\_\_\_\_

FIELD \_\_\_\_\_ PRODUCING FORMATION \_\_\_\_\_

Date Taken \_\_\_\_\_ Date Effective \_\_\_\_\_

Well Depth \_\_\_\_\_ Top Prod. Form \_\_\_\_\_ Perfs \_\_\_\_\_

Casing: Size \_\_\_\_\_ Wt. \_\_\_\_\_ Depth \_\_\_\_\_ Acid \_\_\_\_\_

Tubing: Size \_\_\_\_\_ Depth of Perfs \_\_\_\_\_ Gravity \_\_\_\_\_

Pump: Type \_\_\_\_\_ Bore \_\_\_\_\_ Purchaser \_\_\_\_\_

Well Status \_\_\_\_\_

Pumping, flowing, etc.

TEST DATA

Permanent \_\_\_\_\_ Field \_\_\_\_\_ Special \_\_\_\_\_

Flowing \_\_\_\_\_ Swabbing \_\_\_\_\_ Pumping \_\_\_\_\_

STATUS BEFORE TEST:

PRODUCED \_\_\_\_\_ HOURS

SHUT IN \_\_\_\_\_ HOURS

DURATION OF TEST \_\_\_\_\_ HOURS \_\_\_\_\_ MINUTES \_\_\_\_\_ SECONDS

GAUGES: WATER \_\_\_\_\_ INCHES \_\_\_\_\_ PERCENTAGE

OIL \_\_\_\_\_ INCHES \_\_\_\_\_ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_

WATER PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_

OIL PRODUCTION RATE (BARRELS PER DAY) \_\_\_\_\_ PRODUCTIVITY

STROKES PER MINUTE \_\_\_\_\_

LENGTH OF STROKE \_\_\_\_\_ INCHES

REGULAR PRODUCING SCHEDULE \_\_\_\_\_ HOURS PER DAY.

COMMENTS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WITNESSES:

FOR STATE

FOR OPERATOR

FOR OFFSET