

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-129-21141-00-00

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 12-22-92

Company Anadarko Petroleum Corp. Lease USA Well No. A-D-1

County Morton Location 1980 FSL-660 FWL Section 11 Township 33 Range 40 Acres

Field Stirrup Reservoir Morrow Pipeline Connection

Completion Date 11-13-92 Type Completion (Describe) Single Oil Plug Back T.D. 5489 Packer Set At

Production Method: Pumping Type Fluid Production Oil API Gravity of Liquid/Oil 40.5 @ 60°

Flowing X Pumping X Gas Lift X Casing Size 5.50 Weight 15.50 I.D. 4.950 Set At 5489 Perforations 5392 To 5412

Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5364 Perforations To

Pretest: Starting Date 12-20-92 Time 10:00 am Ending Date 12-21-92 Time 10:00 am Duration Hrs. 24

Test: Starting Date 12-21-92 Time 10:00 am Ending Date 12-22-92 Time 10:00 am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure				Separator Pressure				Choke Size		
Casing: <u>740#</u>		Tubing: <u>40#</u>		<u>32#</u>		<u>22/164</u>				
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	<u>300</u>	<u>2</u>	<u>6</u>	<u>5</u>	<u>127.31</u>	<u>12</u>	<u>11 1/2</u>	<u>257.98</u>	<u>-0-</u>	<u>136.67</u>
Test:	<u>300</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>45.66</u>	<u>7</u>	<u>10 3/4</u>	<u>156.86</u>	<u>-0-</u>	<u>111.20</u>
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:		Flange Taps: <u>F</u>		Differential: <u>100</u>		Static Pressure: <u>250</u>	
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure In. Water	Pressure In. Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>2</u>	<u>.500</u>		<u>17.1</u>	<u>160"</u>	<u>.803</u>	<u>40</u>
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chasman Factor (Fd)
<u>1.219</u>	<u>30.3</u>	<u>42.64</u>	<u>1.116</u>	<u>1.020</u>	<u>1.0</u>	<u>1.0</u>

Gas Prod. MCFD 59.0 Oil Prod. Bbls./Day: 111.20 Gas/Oil Ratio (GOR) = 530 Cubic Ft. 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 the 22nd day of December 1992

For Offset Operator James Rapp For State Dawn R. Nease For Company

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