

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-129-21108-0000

Form C-5 Revised

Conservation Division

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 2-6-96

Company Anadarko Petroleum Corporation Lease USA Well No. AA-1

County MORTON Location 660 FWL + 1650 FNL Section 11 Township 33 Range 40 Acres

Field Stirrup Reservoir Upper Morrow Pipeline Connection Anadarko Gathering Co.

Completion Date 10-1-92 Type Completion (Describe) Single Oil Plug Back T.D. 5474 Packer Set At N.A.

Production Method: Type Fluid Production API Gravity of Liquid/Oil

Flowing Pumping Gas Lift Oil 40.3 @ 60°

Casing Size 5.50 Weight 15.50 I.D. 4.950 Set At 5514 Perforations 5354 To 5380

Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5390 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 2-5-96 Time 9:45Am Ending Date 2-6-96 Time 9:45Am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size						
Casing:	<u>180</u>	Tubing:	<u>60</u>		<u>30</u>					
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.		
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil	
Pretest:										
Test:	<u>Flat</u>	<u>300</u>	<u>8</u>	<u>1"</u>	<u>160.61</u>	<u>12</u>	<u>0</u>	<u>238.84</u>	<u>5.69</u>	<u>78.23</u>
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:	<input checked="" type="checkbox"/>		Differential:	<u>100</u>	Static Pressure:	<u>250</u>
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure In. Water	Tester Pressure In. Merc. (Psig) or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	<u>3</u>	<u>1.250</u>		<u>38.50</u>	<u>6.98</u>	<u>1.755</u>	<u>60°</u>
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia) (Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>8.329</u>	<u>52.9</u>	<u>19.220</u>	<u>1.151</u>	<u>1.000</u>	<u>1.000</u>	

Gas Prod. MCFD Flow Rate (R): 184 Oil Prod. Bbls./Day: 78.23 Gas/Oil Ratio (GOR) = 2,352 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 9th day of Feb 19 96

Wm L. Kogler
 For Company

For Offset Operator

For State