

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-129-21144-0000

Conservation Division Form C-5 Revised  
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 6-14-96  
 Company Anadarko Petrol. Corp. Lease USA Well No. K-2  
 County Morton Location 660 FSL & 660 FWL Section 02 Township 33 Range 40 Acres  
 Field Stirrup Reservoir Upper Morrow Pipeline Connection Anadarko Gathering Co.  
 Completion Date 12-2-95 Type Completion (Describe) Single Oil Plug Back T.D. 5524 Packer Set At NA  
 Production Method: Pumping Type Fluid Production Oil API Gravity of Liquid/Oil 40.5 @ 60'  
 Flowing Casing Size 5.5 Weight 15.5 I.D. 4.950 Set At 5591 Perforations 5240 To 5281  
 Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5279 Perforations To

Pretest: Starting Date 6-13-96 Time 10:30 Am Ending Date 6-14-96 Time 10:30 Am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size		
Casing: <u>80</u> Tubing: <u>78</u>	<u>28</u>	<u>64/64</u>		
Bbls./In.	Tank	Starting Gauge	Ending Gauge	Net Prod. Bbls.
	Size Number	Feet Inches Barrels	Feet Inches Barrels	Water Oil
Pretest:				
Test:	<u>300 oil</u>	<u>5' 3 3/4"</u> <u>105.24</u>	<u>8' 3 1/2"</u> <u>164.77</u>	<u>59.53</u>
Test:	<u>Water</u>	<u>1' 10"</u>	<u>1' 10 1/4"</u>	<u>.73</u>

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections: X Orifice Meter Range: 100 Static Pressure: 250

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure	Diff. Press.	Gravity	Flowing
			In. Water In. Merc. Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter <u>✓</u>	<u>3"</u>	<u>1.750</u>	<u>27.49</u>	<u>45.78</u>	<u>1.711</u>	<u>76.4</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>16.010</u>	<u>41.89</u>	<u>43.791</u>	<u>1.186</u>	<u>.9850</u>	<u>1.000</u>	<u>—</u>
Gas Prod. MCFD	Oil Prod. Bbls./Day	Gas/Oil Ratio (GOR)	Cubic Ft. per Bbl.			
Flow Rate (R): <u>814</u>	<u>59.53</u>	<u>13.673</u>				

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 14th day of June 1996

For Offset Operator: Gary Winkler For State  
 For Company: APC