

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-129-21076-0000

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual (Workover) Reclassification TEST DATE: 10-18-91

Company Anadarko Petroleum Corp. Lease Morrison A Well No. 1

County Morton Location 660 FSL & 1980 FEL Section 33 Township 32 Range 40 Acres

Field Stirrup Reservoir U. Morrow Pipeline Connection Centena Energy

Completion Date 4-18-91 Type Completion (Describe) Single Oil Plug Back T.D. 5387 Packer Set At

Production Method: (Flowing) Pumping Gas Lift Type Fluid Production Oil API Gravity of Liquid/Oil 39.1 @ 60°

| Casing Size | Weight | I.D. | Set At | Perforations | To |
|-------------|--------|-------|--------|--------------|------|
| 5.500 | 15.5 | 4.950 | 5428 | 5300 | 5304 |

| Tubing Size | Weight | I.D. | Set At | Perforations | To |
|-------------|--------|-------|--------|--------------|-----|
| 2.375 | 4.70 | 1.995 | 5286 | -0- | -0- |

Pretest: Starting Date 10-16-91 Time 10:00am Ending Date 10-17-91 Time 8:30am Duration Hrs. 22.5

Test: Starting Date 10-17-91 Time 8:30am Ending Date 10-18-91 Time 8:30am Duration Hrs. 24.0

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure 682 Separator Pressure 130* Choke Size 22/64

| Bbls./In. | Tank | | Starting Gauge | | | Ending Gauge | | | Net Prod. Bbls. | |
|-----------|-------|--------|----------------|--------|---------|--------------|--------|---------|-----------------|--------|
| | Size | Number | Feet | Inches | Barrels | Feet | Inches | Barrels | Water | Oil |
| Pretest: | 300Ft | T23663 | 6 | 3/4 | 120.23 | 9 | 4 | 185.59 | -0- | 235.24 |
| Test: | 300Ft | T23664 | 2 | 5 | 47.33 | 10 | 11 | 217.21 | -0- | 221.34 |
| Test: | 300Ft | T23666 | 0 | 5 | 8.35 | 11 | 6 1/2 | 229.69 | -0- | 221.34 |
| Test: | | | | | | | | | | |

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Flange Taps Orifice Meter Range 500 Static Pressure: 50

| Measuring Device | Run- Size Orifice Size | Orifice Meter- Size Pressure | In. Water | | In. Merc. | | Diff. Press. (hw) or (wt) | Gravity Gas (Gg) | Flowing Temp. (t) | |
|----------------------|-----------------------------------|---|--------------|------|--------------|------|---------------------------|------------------|-------------------|----|
| | | | Paig or (Pa) | (Pa) | Paig or (Pa) | (Pa) | | | | |
| Orifice Meter | 3 | 1.250 | | | | | 86.8 | -27 | .704 | 66 |
| 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) |
|-----------------------|--------------------------------|---------------------------------|---------------------|---------------------------|------------------------|-------------------|
| 7.771 | 101.2 | 52.272 | 1.192 | .9943 | 1.000 | |

Gas Prod. MCFD 481 Oil Prod. 221.34 Gas/Oil Ratio (GOR) = 2.173 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 18th day of October 1991

For Offset Operator James R. Kapp For State STATE CORP. OFF. For Company Dawn K. Pease

OCT 29 1991
 Form C-5 (5/88)
 CONSERVATION DIVISION
 Wichita, Kansas