

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE:
 Company MCA Petroleum Corporation Lease Block "A" Well No. 1
 County Harper Location WKSUSE Section 2 Township 34S Range 81N Acres
 Field Wharton Pool Reservoir Messisippian Pipeline Connection
 Completion Date _____ Type Completion(Describe) _____ Plug Back T.D. _____ Packer Set At _____

Production Method: _____ Type Fluid Production Oil-based API Gravity of Liquid/Oil 37
 Flowing Pumping Gas Lift
 Casing Size 5 1/2 Weight 14* I.D. 53517 Set At _____ Perforations 444-54 To 464-68
 Tubing Size 2 1/8 Weight 3.25 I.D. 580 Model D Set At _____ Perforations _____ To _____

Pretest: _____ Duration Hrs. _____
 Starting Date _____ Time _____ Ending Date _____ Time _____
 Test: _____ Duration Hrs. _____
 Starting Date 10-4-87 Time 8:00 Ending Date 10-5-87 Time 8:00 Duration Hrs. 74

OIL PRODUCTION OBSERVED DATA

| Producing Wellhead Pressure | | Separator Pressure | | | Choke Size | | | | | |
|-----------------------------|------------|--------------------|----------|----------|--------------|----------|-----------|-----------------|-------|-------------|
| Casing: | Tubing: | | | | | | | | | |
| Bbls./In. | Tank | Starting Gauge | | | Ending Gauge | | | Net Prod. Bbls. | | |
| | Size | Number | Feet | Inches | Barrels | Feet | Inches | Barrels | Water | Oil |
| Pretest: | | | | | | | | | | |
| Test: | <u>200</u> | | <u>3</u> | <u>7</u> | <u>71.81</u> | <u>3</u> | <u>10</u> | <u>76.87</u> | | <u>5.61</u> |
| Test: | | | | | | | | | | |

GAS PRODUCTION OBSERVED DATA

| Orifice Meter Connections | | | Orifice Meter Range | | | | | |
|---------------------------|------------------------|---------------|------------------------|------------------|-----------------------|---------------------------|------------------|-------------------|
| Pipe Taps: | Flange Taps: | Differential: | Static Pressure: | | | | | |
| Measuring Device | Run-Prover-Tester Size | Orifice Size | Meter-Prover In. Water | Tester In. Merc. | Pressure Psig or (Pd) | Diff. Press. (hw) or (hd) | Gravity Gas (Gg) | Flowing Temp. (t) |
| Orifice Meter | <u>3</u> | <u>1/2</u> | | | <u>120</u> | <u>2</u> | <u>150</u> | <u>60</u> |
| Critical Flow Prover | | | | | | | | |
| Orifice Well Tester | | | | | | | | |

GAS FLOW RATE CALCULATIONS (R)

| Coeff. (Fb)(Fp)(OWTC) | Meter-Prover Press. (Psia) | Extension $\sqrt{hw \times Pm}$ | Gravity Factor (Fg) | Flowing Temp. Factor (Ft) | Deviation Factor (Fpv) | Chart Factor (Fd) |
|-----------------------|----------------------------|---------------------------------|---------------------|---------------------------|------------------------|-------------------|
| <u>1.214</u> | | <u>15.49</u> | <u>1.240</u> | <u>1.000</u> | <u>1.000</u> | |

Gas Prod. MCFD _____ Oil Prod. Bbls./Day: 5.01 Gas/Oil Ratio (GOR) = 46.54 Cubic Ft. per Bbl. _____
 Flow Rate (R): 23318

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 5 day of October 1987
 For Offset Operator _____ For State _____ For Company _____

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 26 1987
 10-26-87
 CONSERVATION DIVISION
 Wichita, Kansas