

15-077-28529-0000

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company MPC Production Corporation Williams Lease 1 Well No. 1

County Hopper Location S12 S1E NE Section 77 Township 31S Range 8W Acres

Field SPINEY GRUBS Reservoir MISSISSIPPIAN Pipeline Connection Koch Cities Service

Completion Date 7-25-79 Type Completion (Describe) Open hole Plug Back T.D. 4290 Packer Set At

Production Method: Flowing Pumping Gas Lift Type Fluid Production Oil Gr. Sol API Gravity of Liquid/Oil 35

Casing Size 5 1/2 Weight 155 I.D. Set At 4382 Perforations To

Tubing Size 7 3/8 Weight 47 I.D. Set At 4385 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 10-7-86 Time 8:00 Ending Date 10-3-86 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>4</u> | <u>6</u> | <u>90.18</u> | <u>4</u> | <u>11</u> | <u>98.53</u> | | <u>8.35</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-Tester Pressure | | Diff. Press. (hw) or (hd) | Gravity Gas (Gg) | Flowing Temp. (t) | |
| | | | In. Water | In. Merc. | Psig or (Pd) | | | |
| Orifice Meter | <u>3</u> | <u>3/4</u> | | | <u>4.8 + 14.65</u> | <u>.3</u> | <u>1.50</u> | <u>60</u> |
| Critical Flow Prover | | | | | <u>2.9 + 14.65</u> | <u>1.5</u> | | |
| Orifice Well Tester | | | | | <u>38.65</u> | | | |

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) | Chart Factor (Fd) |
|----------------------------|---------------------------------|---------------------------------|---------------------|---------------------------|------------------------|-------------------|
| <u>7.740</u> | | <u>7.61</u> | <u>1.240</u> | <u>1.000</u> | <u>1.000</u> | |

Gas Prod. MCFD Oil Prod. Gas/Oil Ratio (GOR) = 3096 Cubic Ft. per Bbl.

Flow Rate (R): 25,855 Bbls./Day: 835

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 3 day of October 1986

For Offset Operator For State For Company

11-14-86