

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-23-88
 Company Mull Drilling Co. Lease Brunsing I Well No. 2
 County Nowa Location CED-E/2-SE Section 33 Township 27 Range 20 Acres
 Field Fralick West Reservoir Mississippi Pipeline Connection Texas
 Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At
 500 gals. of acid none
 Production Method: Pumping Gas Lift Type Fluid Production Oil + wt. API Gravity of Liquid/Oil 39 @ 86°

Flowing Casing Size 4 1/2" Weight 10.5 I.D. 4 1/2" Set At 4901 Perforations To 4901 - 4902 open hole
 Tubing Size 2 3/8" Weight I.D. 2 3/8" Set At 4898 Perforations To

OIL PRODUCTION OBSERVED DATA

| Producing Wellhead Pressure | | Separator Pressure | | | Choke Size | |
|-----------------------------|------------------|----------------------------|----|--------------------------|------------|---------------------------|
| Casing: | Tubing: | | | | | |
| Bbls./In. | Tank Size Number | Starting Gauge Feet Inches | | Ending Gauge Feet Inches | | Net Prod. Bbls. Water Oil |
| Pretest: | | | | | | |
| Test: | 200 1166 44 | 5' | 8" | 113.80 | 6' 0" | 120.48 4 6668 |
| 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 In. Water In. Merc. Psig or (Pd) | | Diff. Press. (hw) or (hd) | Gravity (Gg) Gas | Flowing Temp. (t) |
| Orifice Meter | | | | | | | |
| Critical Flow Prover | Gas Being Used to run lease Equipment | | | | | | |
| Orifice Well Tester | | | | | | | |

GAS FLOW RATE CALCULATIONS (R)

| Coeff. (Fb) | MCFD (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) |
|-------------|------------------|---------------------------------|---------------------------------|---------------------|---------------------------|------------------------|-------------------|
| | | | | | | | |

Gas Prod. MCFD Flow Rate (R): Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = 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 23rd day of August 19 88

For Offset Operator *Stephan J. Pfeiffer* For State *Pat J. Brown* For Company

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR _____ LOCATION OF WELL _____
 LEASE _____ OF SEC. _____ T _____ R _____
 WELL NO. _____ COUNTY _____
 FIELD _____ PRODUCING FORMATION _____
 Date Taken _____ Date Effective _____
 Well Depth _____ Top Prod. Form _____ Perfs _____
 Casing: Size _____ Wt. _____ Depth _____ Acid _____
 Tubing: Size _____ Depth of Perfs _____ Gravity _____
 Pump: Type _____ Bore _____ Purchaser _____
 Well Status _____
 Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping _____

STATUS BEFORE TEST:

PRODUCED _____ HOURS
 SHUT IN _____ HOURS
 DURATION OF TEST _____ HOURS _____ MINUTES _____ SECONDS
 GAUGES: WATER _____ INCHES _____ PERCENTAGE
 OIL _____ INCHES _____ PERCENTAGE
 GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) _____
 WATER PRODUCTION RATE (BARRELS PER DAY) _____
 OIL PRODUCTION RATE (BARRELS PER DAY) _____ PRODUCTIVITY
 STROKES PER MINUTE _____
 LENGTH OF STROKE _____ INCHES
 REGULAR PRODUCING SCHEDULE _____ HOURS PER DAY.
 COMMENTS _____

WITNESSES:

FOR STATE _____ FOR OPERATOR _____ FOR OFFSET _____