

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

SEP. 1 1989

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 9-7-89
 Company Energy Sources Inc #8328 Lease Duration 2? Well No. 1
 County McPherson Location 4290 FSL-1650 FEB Section 24 Township 21 Range 3W Acres
 Field Wainings Reservoir Miner-Hunter Pipeline Connection
 Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At

Production Method: Type Fluid Production API Gravity of Liquid/Oil
 Flowing Pumping Gas Lift Crude
 Casing Size Weight I.D. Set At Perforations To
 Tubing Size Weight I.D. Set At Perforations To

Pretest: Starting Date 9-6 Time 7:15 Ending Date Time Duration Hrs.
 Test: Starting Date Time Ending Date 9-7 Time 7:15 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

| Producing Wellhead Pressure | | | Separator Pressure | | | Choke Size | | | | |
|-----------------------------|-----------|--------|---------------------|--------|---------|-------------------|--------|---------|-----------------------|-----|
| Casing: | | | Tubing: | | | | | | | |
| Bbls./In. | Tank Size | Number | Starting Gauge Feet | Inches | Barrels | Ending Gauge Feet | Inches | Barrels | Net Prod. Bbls. Water | Oil |
| Pretest: | 200 | 34921 | 4 | 1 | 81.67 | | | | | |
| Test: | | | | | | 4 | 3 1/2 | 84.17 | 75 | 2.5 |
| Test: | | | | | | | | | | |

GAS PRODUCTION OBSERVED DATA

| Orifice Meter Connections | | | Orifice Meter Range | | | Static Pressure: | | |
|---------------------------|------------------------|---------------|------------------------------|-----------|--------------|------------------|--|-----------|
| Pipe Taps: | Flange Taps: | Differential: | Meter-Prover-Tester Pressure | | Diff. Press. | Gravity | Flowing | |
| Measuring Device | Run-Prover-Tester Size | Orifice Size | In. Water | In. Merc. | Psig or (Pd) | (hw) or (hd) | Gas (Gg) | Temp. (t) |
| Orifice Meter | | | | | | | | |
| Critical Flow Prover | | | No gas | | | | SEP 13 1989 | 9-13-89 |
| Orifice Well Tester | | | | | | | CONSERVATION DIVISION Wichita, Kansas | |

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) |
|-----------------------|--------------------------------|---------------------------------|---------------------|---------------------------|------------------------|-------------------|
| | | | | | | |

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 7 day of Sept 1989

For Offset Operator: _____ For State: _____ For Company: _____

WC

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Energy Services Inc 8328 LOCATION OF WELL 4290 Fsh-1650 FEL
 LEASE Duckerson OF SEC. 24 T 21 R 2W
 WELL NO. 1 COUNTY McPherson
 FIELD Wissinger PRODUCING FORMATION Misner-Hunter
 Date Taken 9-7-89 Date Effective _____
 Well Depth _____ Top Prod. Form _____ Perfs _____
 Casing: Size 5 1/2 Wt. _____ Depth _____ Acid _____
 Tubing: Size 3" Depth of Perfs _____ Gravity _____
 Pump: Type Insert Bore _____ Purchaser Continental
 Well Status on Electricity
Pumping, flowing, etc.

TEST DATA

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

STATUS BEFORE TEST:

PRODUCED 24 HOURS
 SHUT IN _____ HOURS
 DURATION OF TEST 24 HOURS _____ MINUTES _____ SECONDS
 GAUGES: WATER _____ INCHES _____ PERCENTAGE
 OIL _____ INCHES _____ PERCENTAGE
 GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 77.5
 WATER PRODUCTION RATE (BARRELS PER DAY) 75
 OIL PRODUCTION RATE (BARRELS PER DAY) 2.5 PRODUCTIVITY
 STROKES PER MINUTE 10 1/2
 LENGTH OF STROKE 28 INCHES
 REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.
 COMMENTS pumping on Electricity

WITNESSES:

Merlan Clark FOR STATE X Rock Newman FOR OPERATOR FOR OFFSET