

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

UNIT : BDCDGU
 LEASE :
 WELL : 2232261G
 S/T/R : 26,22,32
 COUNTY: UNION
 STATE : NEW MEXICO

TYPE TEST: 4 POINT
 : INITIAL
 TEST DATE: 12/14/93

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD: BRAVO DOME POOL: N/A
 COMPLETED 09-21-93 TD = 2350.
 CSG SIZE = 4.5000 WT = 4.56
 TBG SIZE = 0.0000 WT = 0.00
 TYPE COMPLETION: SINGLE
 PRODUCING THROUGH: CASING

CONNECTION: BRAVO DOME PLANT
 RESERVOIR: TUBB
 PBD = 2318. ELEV = 4830.
 SET AT 2350. PERF: 2116.- 2264.
 SET AT 0. PERF: 0.- 0.
 PACKER SET AT: 0.

RESERVOIR TEMP., F = 95. @ 2350. FT. BARO. PRESS = 12.20 PSIA
 MEAN GROUND TEMP., F = 50.

| L | H | G | % CO2 | % N2 | % H2S | PROVER | M-RUN | TAPS |
|-------|-------|-------|--------|------|-------|--------|-------|--------|
| 2350. | 2350. | 1.527 | 100.00 | 0.00 | 0.00 | 0.0 | 4.0 | FLANGE |

| NO. | LINE SIZE | ORI. SIZE | FLOW PSIG | HW IN. | FLOW TEMP | TBG. PSIG | TBG. TEMP | CSG. PSIG | CSG. TEMP | FLOW HRS. |
|-----|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|
| SI | | | | | | 0. | | 277. | 50. | 24.0 |
| 1 | 3.99 X | 2.875 | 181. | 20.7 | 62. | 0. | 0. | 181. | 62. | 1.0 |
| 2 | 3.99 X | 2.875 | 155. | 28.5 | 63. | 0. | 0. | 155. | 63. | 1.0 |
| 3 | 3.99 X | 2.875 | 123. | 42.0 | 63. | 0. | 0. | 124. | 63. | 1.0 |
| 4 | 3.99 X | 2.875 | 90. | 62.7 | 62. | 0. | 0. | 92. | 62. | 1.0 |

| NO. | COEFFICIENT (24 - HOUR) | SQRT. (HWPM) | PRESS. PM | T-FACTR F(T) | G-FACTR F(G) | SC-FACTR F(PV) | FLOW MCFD |
|-----|-------------------------|--------------|-----------|--------------|--------------|----------------|-----------|
| 1 | 46.30 | 63.32 | 193.7 | 0.9978 | 0.8092 | 1.0575 | 2503. |
| 2 | 46.30 | 68.99 | 167.0 | 0.9973 | 0.8092 | 1.0490 | 2704. |
| 3 | 46.30 | 75.44 | 135.5 | 0.9976 | 0.8092 | 1.0392 | 2930. |
| 4 | 46.30 | 80.17 | 102.5 | 0.9985 | 0.8092 | 1.0292 | 3087. |

| NO. | P(R) | TEMP. R | T(R) | Z | GAS LIQ RATIO, MCF/BBL | 0.000 |
|-----|------|---------|------|-------|------------------------|-------------|
| 1 | 0.31 | 522. | 0.81 | 0.894 | API G OF HYDROCARBONS | 0.0 |
| 2 | 0.27 | 523. | 0.81 | 0.909 | SP G SEPARATOR GAS | 1.527 XXXXX |
| 3 | 0.22 | 523. | 0.81 | 0.926 | SP G FLOWING FLUID | XXXXX 1.527 |
| 4 | 0.16 | 522. | 0.80 | 0.944 | CRITICAL PRES., PSIA | 626. 626. |
| | | | | | CRITICAL TEMP., R | 648. 648. |

| NO. | PT*PT | PW | PW*PW | PC*PC - PW*PW | PC = | 289.5 |
|-----|-------|------|-------|---------------|---------------------------|--------|
| 1 | 38. | 194. | 37. | 46. | PC*PC = | 84. |
| 2 | 28. | 167. | 28. | 56. | PC*PC/(PC*PC-PW*PW) = | 1.1486 |
| 3 | 18. | 136. | 18. | 65. | (PC*PC/(PC*PC-PW*PW))*N = | 1.0717 |
| 4 | 11. | 104. | 11. | 73. | AOF (MCF/DAY) = | 3308. |

CALC WH OPEN FLOW = 3308. MCFD @ 15.025; SLOPE ANGLE = 63.4; N = 0.500

REMARKS: AVERAGE HOURS PRODUCED/DAY: 24.00

APPROVED BY
 COMMISSION:

CONDUCTED BY:

Billy E. Prucha

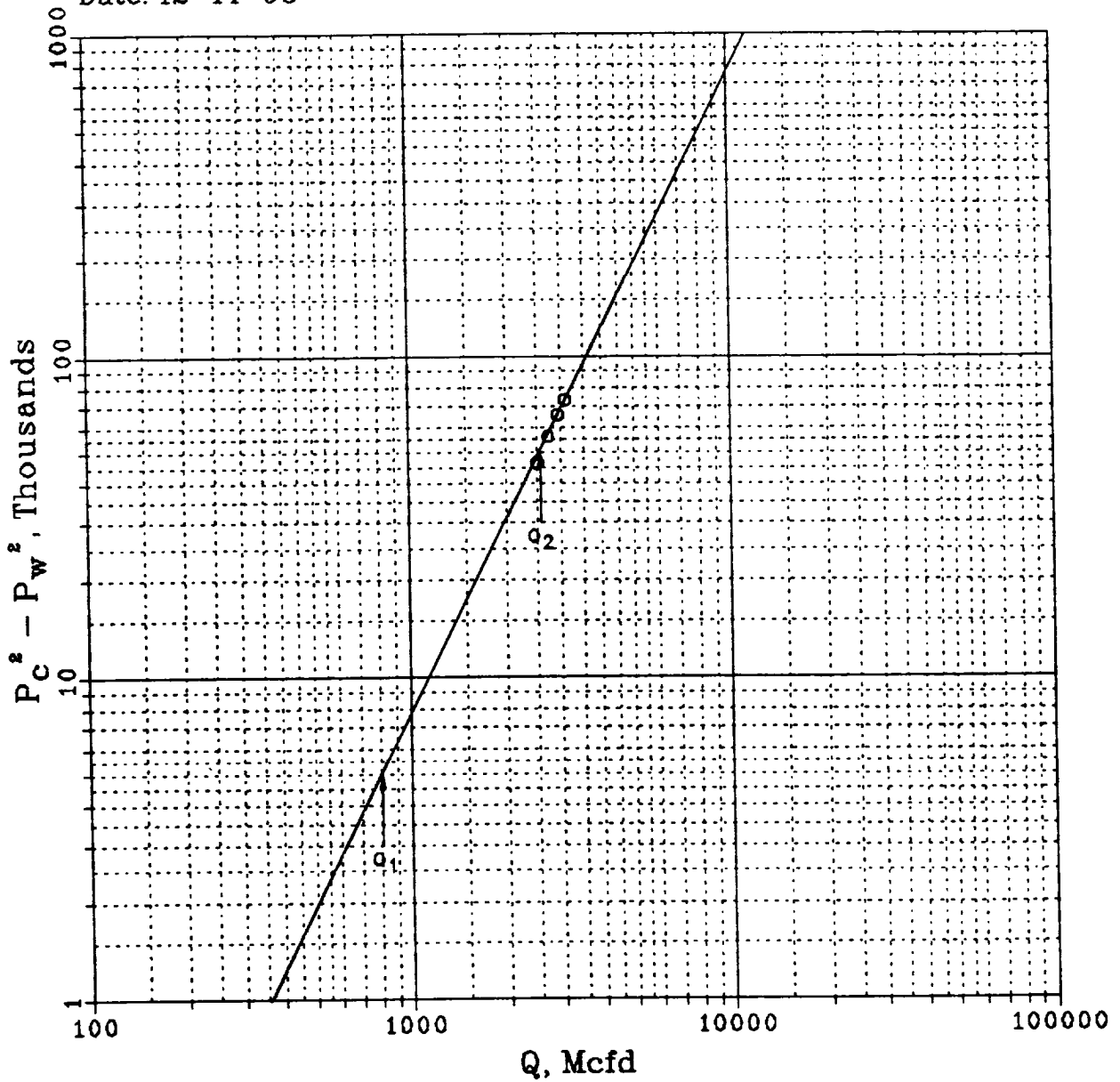
CALCULATED BY:

CHECKED BY:

D. J. Ford

**GAS WELL
BACK PRESSURE TEST**

Company: Amoco Production Company
 Well: 2232261G
 Field/Pool: Bravo Dome
 County: Union
 Date: 12-14-93



$$\begin{aligned}
 Q_1 &= 808. \text{ Mcfd}; & \text{LOG } Q_1 &= 2.90740 \\
 Q_2 &= 2555. \text{ Mcfd}; & \text{LOG } Q_2 &= 3.40742 \\
 n &= 0.50002 = 0.500
 \end{aligned}$$