



# JARREL WELL TESTING, INC.

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|                              |  |                      |  |                                       |  |                                              |  |                        |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
|------------------------------|--|----------------------|--|---------------------------------------|--|----------------------------------------------|--|------------------------|--|--------------------|--|----------------------|--|-------------------------------------|--|------------------------|--|-------|--|------------|--|---------|--|---------------------------|--|
| CUSTOMER                     |  | WELL NAME OR NUMBER  |  | TEST UNIT DESCRIPTION                 |  | DATE (DAY, MO., YR.)                         |  | PAGE OF                |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| Gulf Oil Exploration & Prod. |  | Eddy FV St. Cont. #1 |  | 154/BILLB. HEATER. SEC                |  | 19.4.87                                      |  | 1                      |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| INTERVAL TESTED              |  | FIELD                |  | FORMATION                             |  | STATE, PRESSURE TAKEN                        |  |                        |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| 10,422' TO 10,835' (FT.)     |  | Roops Alaska         |  | A-1.10                                |  | [ ] SURF METER RUN [ ] PIPE RANCE (S. H. H.) |  | [ ] DOWNSTREAM         |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| BHP SURVEY DEPTH             |  | GAS PRODUCTION TO    |  | GAS METER RUN (PIPE RANCE (S. H. H.)) |  | [ ] SURF METER RUN [ ] PIPE RANCE (S. H. H.) |  | [ ] DOWNSTREAM         |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| 10,422' TO 10,835' (FT.)     |  | NONE                 |  | 4.026 (INS)                           |  | 100                                          |  | [ ] DOWNSTREAM         |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| TIME                         |  | WELLHEAD DATA        |  | FLOW CONTROL                          |  | GAS METERING                                 |  | REMARKS                |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  |                           |  |
| DAY                          |  | TUBING PRESS. (PSIG) |  | TEMP. (°F)                            |  | CASING PRESS. (PSIG)                         |  | HEATER CHOKE (64th IN) |  | ORIFICE SIZE (INS) |  | STATIC PRESS. (PSIG) |  | DIFF. PRESS. (IN. H <sub>2</sub> O) |  | TEMP. (°F)             |  | WATER |  | CONDENSATE |  | MCF/DAY |  | REMARKS                   |  |
| 24 HOUR CLOCK                |  | (HOURS)              |  | (PSIG)                                |  | (°F)                                         |  | (PSIG)                 |  | (64th IN)          |  | (INS)                |  | (PSIG)                              |  | (IN. H <sub>2</sub> O) |  | (°F)  |  |            |  |         |  |                           |  |
| 1.1.19                       |  | -                    |  | 2820                                  |  | 1150                                         |  |                        |  |                    |  |                      |  |                                     |  |                        |  |       |  |            |  |         |  | Shut-in Tbs.              |  |
| 8.15                         |  | 15                   |  | 2750                                  |  | 68                                           |  | 1150                   |  | 4/64               |  | .500"                |  | 645                                 |  | 12"                    |  | 82"   |  |            |  | 139     |  |                           |  |
| 9.45                         |  | 30                   |  | 2730                                  |  | 68                                           |  | 1150                   |  | 4/64               |  | .500"                |  | 645                                 |  | 12"                    |  | 84"   |  |            |  | 139     |  |                           |  |
| 10.00                        |  | 45                   |  | 2707                                  |  | 68                                           |  | 1150                   |  | 4/64               |  | .500"                |  | 645                                 |  | 12"                    |  | 86"   |  |            |  | 139     |  |                           |  |
| 10.30                        |  | 1.00                 |  | 2691                                  |  | 68                                           |  | 1150                   |  | 4/64               |  | .500"                |  | 645                                 |  | 12"                    |  | 87"   |  |            |  | 139     |  | END RATE I                |  |
| 10.45                        |  | 1.15                 |  | 2655                                  |  | 68                                           |  | 1150                   |  | 5/64               |  | .500"                |  | 645                                 |  | 29"                    |  | 88"   |  |            |  | 218     |  |                           |  |
| 11.00                        |  | 1.30                 |  | 2625                                  |  | 68                                           |  | 1150                   |  | 5/64               |  | .500"                |  | 645                                 |  | 27"                    |  | 90"   |  |            |  | 207     |  |                           |  |
| 11.15                        |  | 1.45                 |  | 2605                                  |  | 68                                           |  | 1150                   |  | 5/64               |  | .500"                |  | 645                                 |  | 27"                    |  | 92"   |  |            |  | 207     |  |                           |  |
| 11.30                        |  | 2.00                 |  | 2585                                  |  | 68                                           |  | 1150                   |  | 5/64               |  | .500"                |  | 645                                 |  | 26"                    |  | 92"   |  |            |  | 202     |  | END RATE II               |  |
| 11.45                        |  | 2.15                 |  | 2540                                  |  | 68                                           |  | 1150                   |  | 6/64               |  | .500"                |  | 645                                 |  | 55"                    |  | 92"   |  |            |  | 295     |  |                           |  |
| 12.00                        |  | 2.30                 |  | 2505                                  |  | 68                                           |  | 1150                   |  | 6/64               |  | .500"                |  | 645                                 |  | 58"                    |  | 92"   |  |            |  | 301     |  |                           |  |
| 12.15                        |  | 2.45                 |  | 2472                                  |  | 68                                           |  | 1150                   |  | 6/64               |  | .500"                |  | 645                                 |  | 56"                    |  | 92"   |  |            |  | 299     |  |                           |  |
| 12.30                        |  | 3.00                 |  | 2442                                  |  | 68                                           |  | 1150                   |  | 6/64               |  | .500"                |  | 645                                 |  | 56"                    |  | 92"   |  |            |  | 299     |  | END RATE III              |  |
| 12.45                        |  | 3.15                 |  | 2390                                  |  | 68                                           |  | 1150                   |  | 6.5/64             |  | 1.00"                |  | 650                                 |  | 8"                     |  | 92"   |  |            |  | 462     |  |                           |  |
| 1.00                         |  | 3.30                 |  | 2345                                  |  | 68                                           |  | 1150                   |  | 6.5/64             |  | 1.00"                |  | 650                                 |  | 8"                     |  | 92"   |  |            |  | 462     |  |                           |  |
| 1.15                         |  | 3.45                 |  | 2309                                  |  | 68                                           |  | 1150                   |  | 6.5/64             |  | 1.00"                |  | 650                                 |  | 8"                     |  | 92"   |  |            |  | 462     |  |                           |  |
| 1.30                         |  | 4.00                 |  | 2275                                  |  | 68                                           |  | 1150                   |  | 6.5/64             |  | 1.00"                |  | 650                                 |  | 8"                     |  | 92"   |  |            |  | 462     |  | END RATE IV (see Fig. 10) |  |

Duke - Butler