

## SANTA FE ENERGY

FERGUSON WELL NO. 1

EDDY COUNTY, NEW MEXICO

BD2-231

COMPUTATION

PAGE NO.

TIME DATE

15:23:40 16-JUL-85

| MEASURED<br>DEPTH<br>FEET | DRIFT<br>ANGLE<br>D M | DRIFT<br>DIRECTION<br>D | COURSE<br>LENGTH<br>FEET | TRUE<br>VERTICAL<br>DEPTH<br>FEET | R E C T A N G U L A R<br>C O O R D I N A T E S<br>FEET | D D G L E G<br>S E V E R I T Y<br>DG/100FT |
|---------------------------|-----------------------|-------------------------|--------------------------|-----------------------------------|--------------------------------------------------------|--------------------------------------------|
| 7729.                     | 1 15                  | S 6 W                   | 94.                      | 7727.96                           | 56.75 S 20.34 W                                        | 1.33                                       |
| 7823.                     | 2 0                   | S 4 W                   | 94.                      | 7821.93                           | 59.41 S 20.57 W                                        | 0.80                                       |
| 7917.                     | 1 15                  | S 35 E                  | 94.                      | 7915.89                           | 61.93 S 19.87 W                                        | 1.38                                       |
| 8011.                     | 2 15                  | S 4 E                   | 94.                      | 8009.84                           | 64.60 S 18.92 W                                        | 1.43                                       |
| 8105.                     | 1 45                  | S 3 E                   | 94.                      | 8103.78                           | 67.87 S 18.72 W                                        | 0.53                                       |
| 8199.                     | 1 30                  | S 49 E                  | 94.                      | 8197.75                           | 70.21 S 17.59 W                                        | 1.37                                       |
| 8293.                     | 1 30                  | S 29 E                  | 94.                      | 8291.71                           | 72.11 S 16.05 W                                        | 0.55                                       |
| 8387.                     | 1 15                  | S 35 E                  | 94.                      | 8385.69                           | 74.02 S 14.85 W                                        | 0.31                                       |
| 8482.                     | 2 0                   | S 36 E                  | 95.                      | 8480.65                           | 76.21 S 13.29 W                                        | 0.79                                       |
| 8576.                     | 2 0                   | S 10 E                  | 94.                      | 8574.59                           | 79.21 S 12.02 W                                        | 0.96                                       |
| 8670.                     | 2 0                   | S 5 E                   | 94.                      | 8668.53                           | 82.46 S 11.59 W                                        | 0.19                                       |
| 8764.                     | 2 0                   | S 2 E                   | 94.                      | 8762.48                           | 85.73 S 11.39 W                                        | 0.11                                       |
| 8858.                     | 2 0                   | S 20 E                  | 94.                      | 8856.42                           | 88.94 S 10.76 W                                        | 0.67                                       |
| 8952.                     | 1 45                  | S 11 E                  | 94.                      | 8950.37                           | 91.90 S 9.94 W                                         | 0.41                                       |
| 9046.                     | 2 30                  | S 3 W                   | 94.                      | 9044.30                           | 95.37 S 9.70 W                                         | 0.96                                       |
| 9140.                     | 2 15                  | S 9 W                   | 94.                      | 9138.22                           | 99.24 S 10.11 W                                        | 0.37                                       |
| 9188.                     | 2 30                  | S 2 E                   | 48.                      | 9186.18                           | 101.22 S 10.23 W                                       | 1.08                                       |
| 9237.                     | 2 15                  | S 1 E                   | 49.                      | 9235.14                           | 103.25 S 10.18 W                                       | 0.52                                       |
| 9300.                     | 2 0                   | S 3 W                   | 63.                      | 9298.09                           | 105.59 S 10.22 W                                       | 0.46                                       |
| 9394.                     | 2 15                  | S 7 E                   | 94.                      | 9392.03                           | 109.07 S 10.09 W                                       | 0.47                                       |
| 9488.                     | 2 15                  | S 17 E                  | 94.                      | 9485.96                           | 112.67 S 9.33 W                                        | 0.42                                       |
| 9583.                     | 2 0                   | S 17 E                  | 95.                      | 9580.89                           | 116.04 S 8.30 W                                        | 0.26                                       |
| 9677.                     | 2 0                   | S 25 E                  | 94.                      | 9674.83                           | 119.10 S 7.12 W                                        | 0.30                                       |
| 9771.                     | 2 0                   | S 20 E                  | 94.                      | 9768.78                           | 122.13 S 5.87 W                                        | 0.19                                       |
| 9866.                     | 2 15                  | S 10 E                  | 95.                      | 9863.71                           | 125.53 S 4.96 W                                        | 0.47                                       |
| 9960.                     | 2 30                  | S 5 W                   | 94.                      | 9957.63                           | 129.41 S 4.79 W                                        | 0.71                                       |
| 10054.                    | 3 15                  | S 15 W                  | 94.                      | 10051.51                          | 134.04 S 5.61 W                                        | 0.96                                       |
| 10148.                    | 3 30                  | S 26 W                  | 94.                      | 10145.35                          | 139.22 S 7.54 W                                        | 0.74                                       |
| 10243.                    | 3 45                  | S 31 W                  | 95.                      | 10240.16                          | 144.50 S 10.41 W                                       | 0.42                                       |
| 10337.                    | 4 15                  | S 30 W                  | 94.                      | 10333.93                          | 150.14 S 13.73 W                                       | 0.54                                       |