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OUR REF. NO. : S01244.4SF

SANTA FE ENERGY  
STERLING SILVER 3 FED. 1  
EDDY COUNTY, NEW MEXICO

DECLINATION : 10.00 JOB NUMBER :

| MEASURED<br>DEPTH | DRIFT<br>ANGLE<br>D M | DRIFT<br>DIRECTION<br>D M | COURSE<br>LENGTH | TRUE<br>VERTICAL<br>DEPTH | R E C T A N G U L A R<br>C O O R D I N A T E S | DOGLEG<br>SEVERITY |
|-------------------|-----------------------|---------------------------|------------------|---------------------------|------------------------------------------------|--------------------|
| 3000.00           | 1 0                   | N 10 0 E                  | 100.00           | 2999.85                   | 2.23 S                                         | 3.64 W             |
| 3100.00           | 0 30                  | N 46 0 W                  | 100.00           | 3099.84                   | 1.03 S                                         | 4.03 W             |
| 3200.00           | 0 30                  | N 10 0 E                  | 100.00           | 3199.84                   | 0.24 S                                         | 4.29 W             |
| 3300.00           | 0 30                  | N 33 0 W                  | 100.00           | 3299.83                   | 0.60 N                                         | 4.46 W             |
| 3400.00           | 0 15                  | S 59 0 W                  | 100.00           | 3399.83                   | 0.73 N                                         | 5.04 W             |
| 3500.00           | 0 0                   | N 0 0 E                   | 100.00           | 3499.83                   | 0.62 N                                         | 5.22 W             |
| 3600.00           | 0 30                  | S 61 0 E                  | 100.00           | 3599.83                   | 0.41 N                                         | 4.84 W             |
| 3700.00           | 1 15                  | S 68 0 E                  | 100.00           | 3699.82                   | 0.25 S                                         | 3.46 W             |
| 3800.00           | 1 0                   | S 64 0 E                  | 100.00           | 3799.80                   | 1.05 S                                         | 1.67 W             |
| 3900.00           | 1 45                  | S 59 0 E                  | 100.00           | 3899.77                   | 2.19 S                                         | 0.44 E             |
| 4000.00           | 2 0                   | S 67 0 E                  | 100.00           | 3999.72                   | 3.68 S                                         | 3.35 E             |
| 4100.00           | 1 45                  | S 63 0 E                  | 100.00           | 4099.66                   | 5.06 S                                         | 6.32 E             |
| 4200.00           | 1 0                   | S 64 0 E                  | 100.00           | 4199.63                   | 6.13 S                                         | 8.47 E             |
| 4300.00           | 0 30                  | S 46 0 E                  | 100.00           | 4299.62                   | 6.88 S                                         | 9.53 E             |
| 4400.00           | 0 30                  | N 25 0 E                  | 100.00           | 4399.62                   | 6.74 S                                         | 10.27 E            |
| 4500.00           | 0 30                  | N 36 0 E                  | 100.00           | 4499.62                   | 5.99 S                                         | 10.71 E            |
| 4600.00           | 0 45                  | S 54 0 W                  | 100.00           | 4599.61                   | 5.45 S                                         | 10.17 E            |
| 4700.00           | 0 45                  | S 36 0 W                  | 100.00           | 4699.60                   | 6.37 S                                         | 9.25 E             |
| 4800.00           | 0 30                  | N 24 0 E                  | 100.00           | 4799.60                   | 6.00 S                                         | 8.61 E             |
| 4900.00           | 0 30                  | S 83 0 E                  | 100.00           | 4899.59                   | 5.60 S                                         | 9.32 E             |
| 5000.00           | 0 45                  | N 44 0 E                  | 100.00           | 4999.59                   | 5.25 S                                         | 10.31 E            |
| 5100.00           | 0 45                  | S 3 0 W                   | 100.00           | 5099.58                   | 5.65 S                                         | 11.24 E            |
| 5200.00           | 1 0                   | S 4 0 E                   | 100.00           | 5199.57                   | 7.18 S                                         | 11.25 E            |
| 5300.00           | 0 30                  | S 9 0 E                   | 100.00           | 5299.56                   | 8.48 S                                         | 11.40 E            |
| 5400.00           | 0 45                  | S 50 0 W                  | 100.00           | 5399.55                   | 9.46 S                                         | 11.03 E            |
| 5500.00           | 1 0                   | N 47 0 E                  | 100.00           | 5499.54                   | 8.72 S                                         | 10.38 E            |
| 5600.00           | 0 45                  | S 5 0 E                   | 100.00           | 5599.53                   | 9.16 S                                         | 11.52 E            |
| 5700.00           | 0 30                  | S 17 0 E                  | 100.00           | 5699.52                   | 10.23 S                                        | 11.73 E            |
| 5800.00           | 0 45                  | S 49 0 W                  | 100.00           | 5799.52                   | 11.22 S                                        | 11.45 E            |
| 5900.00           | 0 45                  | S 35 0 W                  | 100.00           | 5899.51                   | 12.19 S                                        | 10.57 E            |