

SPENCE ENERGY  
STATE #14-3

TATUM COUNTY, NEW MEXICO

PHIL : S O O W

DATE PRINTED : 17-APR-90  
JOB REF. NO. : S00444.0SZ  
JOB NUMBER :

PAGE NO.

| MEASURED DEPTH | DRIFT ANGLE | DRIFT DIRECTION | COURSE LENGTH | TRUE VERTICAL DEPTH | VERTICAL SECTION | RECTANGULAR COORDINATES | CLOSURE DISTANCE | DIRECTION       | DOUGLASS SEVERITY |
|----------------|-------------|-----------------|---------------|---------------------|------------------|-------------------------|------------------|-----------------|-------------------|
| 5075.00        | 1 0 N 34    | 0 W             | 0.00          | 5074.63             | -19.13           | 19.13 N                 | 18.59 E          | 26.67 N 44 11 E | 0                 |
| 5088.00        | 0 45 N 35   | 0 W             | 13.00         | 5087.63             | -19.29           | 19.29 N                 | 18.48 E          | 26.71 N 43 46 E | 1                 |
| 5129.00        | 0 45 S 70   | 0 W             | 41.00         | 5128.63             | -19.42           | 19.42 N                 | 18.07 E          | 26.53 N 42 56 E | 2.2               |
| 5178.00        | 1 30 S 29   | 0 W             | 49.00         | 5177.62             | -18.75           | 18.75 N                 | 17.46 E          | 25.62 N 42 57 E | 2.1               |
| 5266.00        | 1 30 S 1    | 0 W             | 88.00         | 5265.59             | -16.59           | 16.59 N                 | 16.88 E          | 23.67 N 45 30 E | 0.8               |
| 5359.00        | 2 0 S 6     | 0 W             | 93.00         | 5358.54             | -13.76           | 13.76 N                 | 16.69 E          | 21.63 N 50 30 E | 0.5               |
| 5452.00        | 2 15 S 14   | 0 W             | 93.00         | 5451.48             | -10.38           | 10.38 N                 | 16.08 E          | 19.14 N 57 10 E | 0.4               |
| 5546.00        | 2 30 S 21   | 0 W             | 94.00         | 5545.40             | -6.67            | 6.67 N                  | 14.90 E          | 16.32 N 65 53 E | 0.4               |
| 5641.00        | 2 15 S 21   | 0 W             | 95.00         | 5640.32             | -3.00            | 3.00 N                  | 13.49 E          | 13.82 N 77 28 E | 0.2               |
| 5735.00        | 2 0 S 21    | 0 W             | 94.00         | 5734.25             | 0.26             | 0.26 S                  | 12.24 E          | 12.24 S 88 48 E | 0.2               |
| 5940.00        | 2 0 S 13    | 0 W             | 205.00        | 5939.13             | 7.08             | 7.08 S                  | 10.15 E          | 12.38 S 55 6 E  | 0.1               |
| 6127.00        | 1 45 S 2    | 0 W             | 187.00        | 6126.03             | 13.12            | 13.12 S                 | 9.32 E           | 16.09 S 35 23 E | 0.2               |
| 6310.00        | 1 0 S 13    | 0 W             | 183.00        | 6308.98             | 17.46            | 17.46 S                 | 8.86 E           | 19.58 S 26 54 E | 0.4               |
| 6668.00        | 1 0 S 28    | 0 W             | 358.00        | 6666.92             | 23.27            | 23.27 S                 | 6.69 E           | 24.21 S 16 3 E  | 0.0               |
| 6818.00        | 1 0 S 43    | 0 W             | 150.00        | 6816.90             | 25.38            | 25.38 S                 | 5.18 E           | 25.90 S 11 33 E | 0.1               |
| 7008.00        | 1 0 S 54    | 0 W             | 190.00        | 7006.87             | 27.57            | 27.57 S                 | 2.71 E           | 27.70 S 5 37 E  | 0.1               |
| 7195.00        | 2 0 N 87    | 0 W             | 187.00        | 7193.81             | 28.36            | 28.36 S                 | 1.87 W           | 28.42 S 3 46 W  | 0.7               |
| 7321.00        | 3 0 N 74    | 0 W             | 126.00        | 7319.69             | 27.33            | 27.33 S                 | 7.23 W           | 28.27 S 14 49 W | 0.9               |
| 7570.00        | 5 0 N 65    | 0 W             | 249.00        | 7568.07             | 20.95            | 20.95 S                 | 23.33 W          | 31.36 S 48 5 W  | 0.8               |

CLOSURE - DISTANCE : 31.36  
DIRECTION : S 48 S W  
REPORT UNITS : Feet  
SURVEY CALCULATION METHOD : Minimum curvature

SURVEY RUN INFORMATION  
=====

MOTAR 8121

Clay Spence 505-623-0989 #2118