

Marathon Oil Company  
 Indian Hills Unit No. 30.#30 ST1  
 Indian Basin,EDDY COUNTY, NM.

SURVEY LISTING Page 4  
 Your ref : ST1 BHI MWD 6142'-7981'  
 Last revised : 23-Aug-2001

| <u>Comments in wellpath</u> |         |                     |                                     |
|-----------------------------|---------|---------------------|-------------------------------------|
| MD                          | TVD     | Rectangular Coords. | Comment                             |
| 100.00                      | 100.00  | 0.18 N 0.30 W       | GYRODATA GYRO SURVEY 0'-7025'       |
| 200.00                      | 200.00  | 0.35 N 0.86 W       | Date Ran: 06.07.01                  |
| 300.00                      | 300.00  | 0.37 N 1.41 W       | Surveyor: John Zugg                 |
| 1200.00                     | 1199.95 | 5.52 S 2.29 E       | TIED TO GYRODATA SURVEY AT MD:1200' |
| 1318.00                     | 1317.92 | 7.75 S 3.55 E       | OH BHI MWD 1318'-7555'              |
| 6082.00                     | 5893.54 | 1180.73 N 451.36 E  | ST1 TIED TO OH BHI MWD AT MD:6082'  |
| 6142.00                     | 5951.22 | 1195.49 N 458.78 E  | ST1 BHI MWD 6142'-7981'             |

| <u>Targets associated with this wellpath</u> |                     |          |                         |            |
|----------------------------------------------|---------------------|----------|-------------------------|------------|
| Target name                                  | Geographic Location | T.V.D.   | Rectangular Coordinates | Revised    |
| PBHL/TD                                      |                     | 11250.00 | 2676.12N 1012.82E       | 5-May-2001 |

