



## Drilling AFE

|                 |                        |
|-----------------|------------------------|
| AFE No.         | 102294                 |
| Property No.    | 041994-000             |
| EOG W. I.       | 75.00000%              |
| EOG AFE Amt:    | (Drig) \$675,225       |
|                 | (Completion) \$485,250 |
| Total Well Cost | \$1,160,475            |
| AFE Date        | 9/27/2001              |
| Budget Year     | 2001                   |

AFE Type \_\_\_\_\_ Wildcat (31) \_\_\_\_\_ X \_\_\_\_\_ Development (32)

Re-Entry \_\_\_\_\_ Oil \_\_\_\_\_ X \_\_\_\_\_ Gas \_\_\_\_\_ High Cost Gas \_\_\_\_\_

|                                                                  |                                 |                                  |                      |
|------------------------------------------------------------------|---------------------------------|----------------------------------|----------------------|
| Well Name & No.<br>Mantarray '13" Fed Com No. 1                  | Prospect Name<br>Corbin         | Total Depth<br>13,100'           | Spud Date            |
| Location<br>2,306' FSL & 936' FEL                                | Sec-Twn-Rng<br>Sec 13-T18S-R32E | Producing Horizon<br>Morrow      | DD&A Field<br>Corbin |
| Operator<br>EOG Resources, Inc.                                  | County & State<br>Lea, NM       | Regulatory Field<br>Corbin South |                      |
| AFE Description<br>Drill and complete a 13,100' Morrow gas well. |                                 |                                  |                      |

|                   | DESCRIPTION                                             | SUB<br>ACT | DRILLING  | COMPLETION | TOTAL       |
|-------------------|---------------------------------------------------------|------------|-----------|------------|-------------|
|                   |                                                         |            | 230       | 231        |             |
|                   | Access, Location & Roads                                | 401        | \$38,000  | \$3,000    | \$41,000    |
|                   | Rig Move                                                | 402        | 45,000    |            | 45,000      |
|                   | Footage Cost /Ft                                        | 403        |           |            | -           |
|                   | Day Work Cost 37 2/3 days @ \$ 9000                     | 404        | 333,000   | 27,000     | 360,000     |
|                   | Bits, Reamers & Stabilizers                             | 405        | 55,000    |            | 55,000      |
|                   | Fuel                                                    | 406        | 40,000    | 3,000      | 43,000      |
|                   | Water                                                   | 407        | 40,000    | 3,000      | 43,000      |
|                   | Mud & Chemicals                                         | 408        | 50,000    | 3,000      | 53,000      |
| I                 | Cementing & Service                                     | 409        | 33,000    | 28,000     | 61,000      |
| N                 | Coring                                                  | 410        |           |            | -           |
| T                 | Logging & Testing                                       | 411        | 40,000    | 15,000     | 55,000      |
| A                 | Mud Logging                                             | 412        | 20,000    |            | 20,000      |
| N                 | Perforating Power perf with stim sleeve and second zone | 413        |           | 50,000     | 50,000      |
| G                 | Stimulation                                             | 414        |           | 110,000    | 110,000     |
| I                 | Transportation                                          | 415        | 5,000     | 5,000      | 10,000      |
| B                 | Overhead days @ \$                                      | 416        | 7,600     | 1,000      | 8,600       |
| L                 | Equipment Rental                                        | 417        | 26,000    | 10,000     | 36,000      |
| E                 | Completion Rig 10 days @ \$ 2500                        | 418        |           | 25,000     | 25,000      |
|                   | Other Expense                                           | 419        | 16,000    | 8,000      | 24,000      |
|                   | Fishing & Equip. lost in hole                           | 420        |           |            | -           |
|                   | Environmental & Safety Charges                          | 421        | 7,000     | 5,000      | 12,000      |
|                   | Directional Drilling                                    | 422        |           |            | -           |
|                   | Equipment Usage                                         | 423        |           |            | -           |
|                   | Supervision                                             | 424        | 31,000    | 12,000     | 43,000      |
|                   | Communications                                          | 431        | 3,000     | 1,000      | 4,000       |
|                   | MWD Logging                                             | 432        |           |            | -           |
|                   | Tubular Inspection / Handling                           | 436        | 10,000    | 5,000      | 15,000      |
|                   | Wireline Service                                        | 442        | 1,000     |            | 1,000       |
|                   | Coiled Tubing Unit / Nitrogen                           | 445        |           | 10,000     | 10,000      |
|                   | Completion Fluids                                       | 448        |           | 10,000     | 10,000      |
| TOTAL INTANGIBLES |                                                         |            | \$800,600 | \$334,000  | \$1,134,600 |

|                 | FEET                              | SIZE  | GRADE  | S/FT. |     |           |           |             |
|-----------------|-----------------------------------|-------|--------|-------|-----|-----------|-----------|-------------|
|                 | Conductor Casing                  | 80    | 16     |       | 101 | \$5,500   |           | \$5,500     |
|                 | Surface Casing                    | 1000  | 11-3/4 | H-40  | 102 | 17,300    |           | 17,300      |
|                 | Intermediate Casing               | 4000  | 8-5/8  | J     | 103 | 51,200    |           | 51,200      |
|                 | Intermediate Casing               | 1500  | 8-5/8  | HCK55 | 103 | 22,700    |           | 22,700      |
|                 | Production Casing                 | 9000  | 5-1/2  | N80   | 103 |           | 72,000    | 72,000      |
|                 | Production Casing                 | 4100  | 5-1/2  | P-110 | 104 |           | 39,000    | 39,000      |
|                 | Tie-Back Casing                   |       |        |       | 104 |           |           | -           |
|                 | Tubing                            | 13100 | 2-7/8  | N     | 106 |           | 56,000    | 56,000      |
| T               | Tubing                            |       |        |       | 106 |           |           | -           |
| A               | Well Head Equipment and Tree      |       |        |       | 107 | 3,000     | 15,000    | 18,000      |
| N               | Tanks                             |       |        |       | 108 |           | 19,000    | 19,000      |
| G               | Flow Lines                        |       |        |       | 109 |           | 8,000     | 8,000       |
| I               | Valves & Fittings                 |       |        |       | 110 |           | 15,000    | 15,000      |
| B               | Rods                              |       |        |       | 111 |           |           | -           |
| L               | Pumping Equipment - Surface       |       |        |       | 112 |           |           | -           |
| E               | Production Equipment - Subsurface |       |        |       | 113 |           | 15,000    | 15,000      |
|                 | Engines & Motors                  |       |        |       | 114 |           |           | -           |
|                 | Heater-Treater & Separators       |       |        |       | 115 |           | 18,000    | 18,000      |
|                 | Other Equipment                   |       |        |       | 116 |           | 11,000    | 11,000      |
|                 | Buildings                         |       |        |       | 117 |           |           | -           |
|                 | Metering Equipment                |       |        |       | 118 |           | 20,000    | 20,000      |
|                 | Non-Controllable Equipment        |       |        |       | 119 |           | 5,000     | 5,000       |
|                 | Liner Equipment                   |       |        |       | 120 |           |           | -           |
|                 | Construction Cost                 |       |        |       | 122 |           | 20,000    | 20,000      |
| TOTAL TANGIBLES |                                   |       |        |       |     | \$99,700  | \$313,000 | \$412,700   |
| TOTAL WELL COST |                                   |       |        |       |     | \$900,300 | \$647,000 | \$1,547,300 |

## EOG APPROVAL

|            |          |    |      |    |      |
|------------|----------|----|------|----|------|
| Division   |          |    |      |    |      |
| By         | Date     | By | Date | By | Date |
| T.C. Young | 09/27/01 |    |      |    |      |
| By         | Date     | By | Date | By | Date |

## JOINT OPERATOR APPROVAL

|      |    |       |
|------|----|-------|
| Firm | By | Title |
|------|----|-------|

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case No. 12749 Exhibit No. 4

Submitted by:

EOG Resources, Inc.

Hearing Date: November 1, 2001