



**McVAY DRILLING COMPANY**  
Post Office Box 924  
Hobbs, New Mexico 88241  
(505) 397-3311  
FAX: 39-DRILL

**Well Name and Number: Nile 22 St Com # 1**

**Location: Sec.22, T17S, R24E, Lea County NM**

**Operator: EOG**

**Drilling Contractor: McVay Drilling Company**

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

| Degrees @ Depth |      | Degrees @ Depth |      | Degrees @ Depth |      |
|-----------------|------|-----------------|------|-----------------|------|
| 1               | 405  | 89 ¼            | 5740 | 94              | 8022 |
| 1 ½             | 1235 | 88 ¼            | 5782 | 93              | 8052 |
| 1 ¾             | 1597 | 88 ½            | 5870 |                 |      |
| 1 ¾             | 2072 | 90 ¾            | 5997 |                 |      |
| ¾               | 2544 | 89 ½            | 6280 |                 |      |
| ½               | 3019 | 88 ½            | 6853 |                 |      |
| 1 ¼             | 3972 | 91 ¼            | 6979 |                 |      |
| ¾               | 4448 | 92 ½            | 7011 |                 |      |
| 2 ½             | 4439 | 93 ¾            | 7138 |                 |      |
| 1 ½             | 5100 | 90 ¾            | 7201 |                 |      |
| 4 ½             | 4471 | 90              | 7264 |                 |      |
| 22              | 4629 | 93 ½            | 7423 |                 |      |
| 35              | 4725 | 93 ½            | 7549 |                 |      |
| 52              | 4852 | 92 ½            | 7676 |                 |      |
| 73 ½            | 5010 | 93              | 7802 |                 |      |
| 88              | 5280 | 93 ½            | 7898 |                 |      |
| 90 ¾            | 5644 | 94              | 7991 |                 |      |

**Drilling Contractor: McVay Drilling Company**

By: Jan Ray

Subscribed and sworn to before me this 8th day of February, 2005

Tim Hendrix  
Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico

**PERC****DIRECTIONAL REPORT**

WELLNAME: NILE 22 STATE COM #1H

FIELD: THAMES

AFE NO.: 103071

WELL ID NO.: 042592

API NO.: 30-015-33597

SURVEY TYPE: TSS-0

MD:

ANGLE: 0.00AZIMUTH: 0.00

TVD:

N/S: 0.00E/W: 0.00VS: 0.00TARGET: 0.00

| MEASURED<br>DEPTH | INCLINATION<br>ANGLE | AZIMUTH<br>ANGLE | TVD   | +NORTH<br>-SOUTH | +EAST<br>-WEST | VERTICAL<br>SECTION | DOGLEG<br>SEVERITY |
|-------------------|----------------------|------------------|-------|------------------|----------------|---------------------|--------------------|
|                   | 0.00                 | 0.00             |       | 0.00             | 0.00           | 0.00                | 0.00               |
| 193               | 0.25                 |                  | 193   | 0.42             | 0.00           | 0.42                | 0.13               |
| 385               | 1.00                 |                  | 385   | 2.52             | 0.00           | 2.52                | 0.39               |
| 569               | 1.25                 |                  | 569   | 6.13             | 0.00           | 6.13                | 0.14               |
| 890               | 1.25                 |                  | 890   | 13.13            | 0.00           | 13.13               | 0.00               |
| 1,235             | 1.50                 |                  | 1,235 | 21.41            | 0.00           | 21.41               | 0.07               |
| 1,597             | 1.75                 |                  | 1,597 | 31.67            | 0.00           | 31.67               | 0.07               |
| 2,072             | 1.25                 |                  | 2,071 | 44.11            | 0.00           | 44.11               | 0.11               |
| 2,544             | 0.75                 |                  | 2,543 | 52.35            | 0.00           | 52.35               | 0.11               |
| 3,019             | 0.50                 |                  | 3,018 | 57.53            | 0.00           | 57.53               | 0.05               |
| 3,495             | 0.00                 |                  | 3,494 | 59.60            | 0.00           | 59.60               | 0.11               |
| 3,972             | 1.25                 |                  | 3,971 | 64.81            | 0.00           | 64.81               | 0.26               |
| 4,448             | 0.75                 |                  | 4,447 | 73.11            | 0.00           | 73.11               | 0.11               |

**PERC****DIRECTIONAL REPORT**

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FIELD: THAMES

AFE NO.: 103071

WELL ID NO.: 042592

API NO.: 30-015-33597

SURVEY TYPE: MWD-0

MD: 4.400

ANGLE: 1.07

AZIMUTH: 112.51

TVD: 4.399

N/S: -62.18

E/W: 41.24

VS: 62.14

TARGET: 0.04

| MEASURED<br>DEPTH | INCLINATION<br>ANGLE | AZIMUTH<br>ANGLE | TVD   | +NORTH<br>-SOUTH | +EAST<br>-WEST | VERTICAL<br>SECTION | DOGLEG<br>SEVERITY |
|-------------------|----------------------|------------------|-------|------------------|----------------|---------------------|--------------------|
| 4,439             | 2.46                 | 102.89           | 4,438 | -62.51           | 42.39          | -62.48              | 3.63               |
| 4,471             | 4.48                 | 92.96            | 4,470 | -62.72           | 44.31          | -62.69              | 6.56               |
| 4,503             | 7.03                 | 87.77            | 4,502 | -62.71           | 47.52          | -62.68              | 8.13               |
| 4,534             | 10.20                | 86.37            | 4,533 | -62.46           | 52.15          | -62.43              | 10.25              |
| 4,566             | 13.28                | 71.16            | 4,564 | -61.10           | 58.46          | -61.06              | 13.57              |
| 4,597             | 17.24                | 53.50            | 4,594 | -57.21           | 65.53          | -57.17              | 19.56              |
| 4,629             | 21.98                | 40.58            | 4,624 | -49.84           | 73.25          | -49.78              | 19.99              |
| 4,661             | 26.64                | 29.85            | 4,653 | -39.05           | 80.72          | -39.00              | 20.01              |
| 4,693             | 31.04                | 21.07            | 4,681 | -25.12           | 87.26          | -25.06              | 19.05              |
| 4,725             | 35.09                | 12.72            | 4,708 | -8.43            | 92.26          | -8.37               | 19.02              |
| 4,756             | 38.95                | 5.24             | 4,733 | 9.98             | 95.11          | 10.04               | 19.12              |
| 4,788             | 42.03                | 356.98           | 4,757 | 30.71            | 95.47          | 30.78               | 19.31              |
| 4,820             | 46.25                | 351.56           | 4,780 | 52.86            | 93.20          | 52.93               | 17.68              |
| 4,852             | 52.06                | 349.42           | 4,801 | 76.72            | 89.19          | 76.78               | 18.85              |
| 4,883             | 58.48                | 348.98           | 4,819 | 101.73           | 84.41          | 101.79              | 20.74              |
| 4,915             | 63.93                | 348.19           | 4,834 | 129.21           | 78.86          | 129.26              | 17.17              |
| 4,946             | 68.24                | 347.67           | 4,847 | 156.91           | 72.93          | 156.96              | 13.99              |
| 4,978             | 71.49                | 347.67           | 4,858 | 186.26           | 66.52          | 186.31              | 10.16              |
| 5,010             | 73.69                | 348.19           | 4,867 | 216.12           | 60.13          | 216.16              | 7.05               |
| 5,042             | 75.01                | 347.84           | 4,876 | 246.26           | 53.74          | 246.30              | 4.26               |
| 5,073             | 76.77                | 348.28           | 4,883 | 275.67           | 47.52          | 275.70              | 5.84               |
| 5,105             | 78.61                | 348.02           | 4,890 | 306.27           | 41.10          | 306.30              | 5.80               |
| 5,137             | 81.16                | 348.37           | 4,896 | 337.10           | 34.65          | 337.13              | 8.04               |
| 5,169             | 85.30                | 348.37           | 4,900 | 368.22           | 28.25          | 368.24              | 12.94              |
| 5,201             | 87.67                | 348.81           | 4,902 | 399.53           | 21.93          | 399.54              | 7.53               |
| 5,232             | 87.67                | 348.63           | 4,903 | 429.90           | 15.87          | 429.91              | 0.58               |
| 5,264             | 88.11                | 348.28           | 4,904 | 461.23           | 9.47           | 461.24              | 1.76               |
| 5,296             | 89.87                | 348.46           | 4,905 | 492.57           | 3.02           | 492.57              | 5.53               |
| 5,327             | 90.84                | 348.46           | 4,904 | 522.94           | -3.18          | 522.94              | 3.13               |
| 5,359             | 91.80                | 349.25           | 4,904 | 554.33           | -9.36          | 554.32              | 3.88               |
| 5,391             | 90.92                | 350.04           | 4,903 | 585.80           | -15.11         | 585.79              | 3.70               |
| 5,422             | 91.01                | 350.13           | 4,902 | 616.33           | -20.45         | 616.32              | 0.41               |
| 5,454             | 91.19                | 349.86           | 4,902 | 647.84           | -26.01         | 647.82              | 1.01               |
| 5,486             | 89.16                | 349.42           | 4,902 | 679.32           | -31.76         | 679.29              | 6.49               |
| 5,518             | 89.52                | 348.98           | 4,902 | 710.75           | -37.76         | 710.72              | 1.78               |
| 5,549             | 89.96                | 349.07           | 4,902 | 741.18           | -43.66         | 741.15              | 1.45               |
| 5,581             | 91.01                | 351.10           | 4,902 | 772.70           | -49.17         | 772.66              | 7.14               |
| 5,613             | 90.75                | 351.62           | 4,901 | 804.33           | -53.98         | 804.29              | 1.82               |
| 5,644             | 90.84                | 351.80           | 4,901 | 835.00           | -58.45         | 834.96              | 0.65               |
| 5,676             | 90.40                | 353.55           | 4,901 | 866.74           | -62.53         | 866.70              | 5.64               |
| 5,708             | 90.31                | 354.17           | 4,900 | 898.56           | -65.95         | 898.51              | 1.96               |
| 5,740             | 89.34                | 355.05           | 4,901 | 930.41           | -68.95         | 930.37              | 4.09               |
| 5,782             | 88.02                | 357.33           | 4,902 | 972.31           | -71.74         | 972.26              | 6.27               |
| 5,814             | 87.76                | 358.04           | 4,903 | 1004.26          | -73.04         | 1004.21             | 2.36               |
| 5,838             | 88.11                | 358.39           | 4,904 | 1028.23          | -73.78         | 1028.18             | 2.06               |
| 5,870             | 88.46                | 359.18           | 4,905 | 1060.21          | -74.46         | 1060.16             | 2.70               |
| 5,901             | 89.08                | 359.44           | 4,905 | 1091.20          | -74.83         | 1091.15             | 2.17               |
| 5,933             | 88.46                | 359.18           | 4,906 | 1123.19          | -75.22         | 1123.14             | 2.10               |
| 5,965             | 89.25                | 359.36           | 4,907 | 1155.18          | -75.63         | 1155.13             | 2.53               |
| 5,997             | 90.84                | 0.06             | 4,906 | 1187.18          | -75.79         | 1187.13             | 5.43               |
| 6,028             | 91.63                | 0.59             | 4,906 | 1218.17          | -75.61         | 1218.12             | 3.07               |
| 6,060             | 90.84                | 359.88           | 4,905 | 1250.16          | -75.48         | 1250.11             | 3.32               |

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API NO.: 30-015-33597

SURVEY TYPE: MWD-0

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ANGLE: 1.07

AZIMUTH: 112.51

TVD: 4.399

N/S: -62.18

E/W: 41.24

VS: 62.14

TARGET: 0.04

| MEASURED DEPTH | INCLINATION ANGLE | AZIMUTH ANGLE | TVD   | +NORTH<br>-SOUTH | +EAST<br>-WEST | VERTICAL SECTION | DOGLEG SEVERITY |
|----------------|-------------------|---------------|-------|------------------|----------------|------------------|-----------------|
| 6,092          | 90.04             | 359.62        | 4,905 | 1282.16          | -75.62         | 1282.11          | 2.63            |
| 6,124          | 89.87             | 359.53        | 4,905 | 1314.16          | -75.86         | 1314.11          | 0.60            |
| 6,155          | 92.86             | 0.23          | 4,904 | 1345.15          | -75.92         | 1345.09          | 9.91            |
| 6,187          | 93.12             | 0.68          | 4,902 | 1377.10          | -75.67         | 1377.05          | 1.62            |
| 6,219          | 93.12             | 0.68          | 4,901 | 1409.05          | -75.29         | 1409.00          | 0.00            |
| 6,250          | 92.95             | 0.76          | 4,899 | 1440.01          | -74.90         | 1439.95          | 0.61            |
| 6,282          | 92.77             | 0.76          | 4,898 | 1471.96          | -74.48         | 1471.91          | 0.56            |
| 6,314          | 92.68             | 0.59          | 4,896 | 1503.93          | -74.10         | 1503.87          | 0.60            |
| 6,346          | 92.42             | 0.94          | 4,895 | 1535.89          | -73.67         | 1535.84          | 1.36            |
| 6,377          | 92.15             | 0.94          | 4,893 | 1566.86          | -73.17         | 1566.81          | 0.87            |
| 6,409          | 93.21             | 1.11          | 4,892 | 1598.82          | -72.59         | 1598.77          | 3.35            |
| 6,441          | 93.30             | 1.11          | 4,890 | 1630.76          | -71.98         | 1630.71          | 0.28            |
| 6,472          | 93.39             | 1.03          | 4,888 | 1661.71          | -71.40         | 1661.66          | 0.39            |
| 6,504          | 91.98             | 0.59          | 4,887 | 1693.67          | -70.95         | 1693.62          | 4.62            |
| 6,536          | 90.66             | 0.32          | 4,886 | 1725.66          | -70.69         | 1725.61          | 4.21            |
| 6,567          | 89.96             | 359.97        | 4,886 | 1756.66          | -70.61         | 1756.61          | 2.52            |
| 6,599          | 89.78             | 0.06          | 4,886 | 1788.66          | -70.61         | 1788.61          | 0.63            |
| 6,631          | 89.55             | 0.36          | 4,886 | 1820.65          | -70.49         | 1820.61          | 1.18            |
| 6,662          | 89.83             | 0.67          | 4,886 | 1851.65          | -70.21         | 1851.60          | 1.35            |
| 6,694          | 89.55             | 0.29          | 4,886 | 1883.65          | -69.94         | 1883.60          | 1.48            |
| 6,726          | 88.64             | 359.97        | 4,887 | 1915.65          | -69.87         | 1915.60          | 3.01            |
| 6,758          | 88.55             | 359.81        | 4,888 | 1947.64          | -69.93         | 1947.59          | 0.57            |
| 6,789          | 88.46             | 359.97        | 4,889 | 1978.63          | -69.99         | 1978.58          | 0.59            |
| 6,821          | 88.90             | 0.41          | 4,889 | 2010.62          | -69.88         | 2010.57          | 1.94            |
| 6,853          | 88.90             | 0.32          | 4,890 | 2042.61          | -69.68         | 2042.56          | 0.28            |
| 6,885          | 90.04             | 0.76          | 4,890 | 2074.61          | -69.38         | 2074.56          | 3.82            |
| 6,917          | 90.31             | 0.85          | 4,890 | 2106.60          | -68.93         | 2106.56          | 0.89            |
| 6,948          | 91.19             | 1.38          | 4,890 | 2137.60          | -68.33         | 2137.55          | 3.31            |
| 6,979          | 91.36             | 1.73          | 4,889 | 2168.58          | -67.48         | 2168.53          | 1.25            |
| 7,011          | 92.59             | 2.08          | 4,888 | 2200.54          | -66.42         | 2200.49          | 4.00            |
| 7,042          | 93.74             | 2.35          | 4,886 | 2231.47          | -65.23         | 2231.42          | 3.81            |
| 7,074          | 93.56             | 2.26          | 4,884 | 2263.38          | -63.94         | 2263.33          | 0.63            |
| 7,106          | 93.74             | 2.70          | 4,882 | 2295.28          | -62.56         | 2295.24          | 1.48            |
| 7,138          | 93.74             | 2.96          | 4,880 | 2327.18          | -60.98         | 2327.13          | 0.81            |
| 7,169          | 91.98             | 2.35          | 4,878 | 2358.10          | -59.55         | 2358.06          | 6.01            |
| 7,201          | 90.75             | 1.73          | 4,878 | 2390.07          | -58.41         | 2390.03          | 4.30            |
| 7,233          | 90.40             | 1.73          | 4,877 | 2422.06          | -57.44         | 2422.02          | 1.09            |
| 7,264          | 90.13             | 1.64          | 4,877 | 2453.04          | -56.53         | 2453.00          | 0.92            |
| 7,296          | 89.87             | 1.64          | 4,877 | 2485.03          | -55.62         | 2484.99          | 0.81            |
| 7,328          | 89.78             | 1.64          | 4,877 | 2517.02          | -54.70         | 2516.98          | 0.28            |
| 7,360          | 90.84             | 2.08          | 4,877 | 2549.00          | -53.66         | 2548.96          | 3.59            |
| 7,391          | 91.54             | 2.78          | 4,876 | 2579.96          | -52.35         | 2579.93          | 3.19            |
| 7,423          | 93.56             | 3.14          | 4,875 | 2611.89          | -50.70         | 2611.85          | 6.41            |
| 7,455          | 93.74             | 3.22          | 4,873 | 2643.77          | -48.93         | 2643.74          | 0.62            |
| 7,486          | 93.65             | 3.22          | 4,871 | 2674.66          | -47.19         | 2674.63          | 0.29            |
| 7,517          | 93.65             | 3.40          | 4,869 | 2705.54          | -45.40         | 2705.51          | 0.58            |
| 7,549          | 93.47             | 3.14          | 4,867 | 2737.43          | -43.58         | 2737.40          | 0.99            |
| 7,581          | 92.24             | 3.05          | 4,865 | 2769.34          | -41.85         | 2769.31          | 3.85            |
| 7,612          | 93.03             | 3.14          | 4,864 | 2800.27          | -40.18         | 2800.24          | 2.56            |
| 7,644          | 92.68             | 2.87          | 4,862 | 2832.18          | -38.51         | 2832.15          | 1.38            |
| 7,676          | 92.68             | 3.05          | 4,861 | 2864.10          | -36.86         | 2864.08          | 0.56            |
| 7,708          | 93.21             | 3.31          | 4,859 | 2896.01          | -35.08         | 2895.99          | 1.84            |

**PERC<sup>y</sup>****DIRECTIONAL REPORT**

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FIELD: THAMES

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WELL ID NO.: 042592

API NO.: 30-015-33597

SURVEY TYPE: MWD-0MD: 4.400ANGLE: 1.07AZIMUTH: 112.51TVD: 4.399N/S: -62.18E/W: 41.24VS: 62.14TARGET: 0.04

| MEASURED<br>DEPTH | INCLINATION<br>ANGLE | AZIMUTH<br>ANGLE | TVD   | +NORTH<br>-SOUTH | +EAST<br>-WEST | VERTICAL<br>SECTION | DOGLEG<br>SEVERITY |
|-------------------|----------------------|------------------|-------|------------------|----------------|---------------------|--------------------|
| 7,739             | 93.12                | 3.40             | 4,858 | 2926.91          | -33.27         | 2926.89             | 0.41               |
| 7,770             | 93.12                | 3.58             | 4,856 | 2957.81          | -31.39         | 2957.79             | 0.58               |
| 7,802             | 92.95                | 3.49             | 4,854 | 2989.70          | -29.42         | 2989.68             | 0.60               |
| 7,834             | 92.86                | 3.58             | 4,853 | 3021.60          | -27.45         | 3021.58             | 0.40               |
| 7,866             | 92.95                | 3.66             | 4,851 | 3053.50          | -25.43         | 3053.48             | 0.38               |
| 7,898             | 93.47                | 3.75             | 4,849 | 3085.38          | -23.36         | 3085.36             | 1.65               |
| 7,929             | 93.65                | 3.93             | 4,847 | 3116.25          | -21.29         | 3116.23             | 0.82               |
| 7,960             | 93.91                | 3.93             | 4,845 | 3147.11          | -19.17         | 3147.10             | 0.84               |
| 7,991             | 94.18                | 3.84             | 4,843 | 3177.96          | -17.08         | 3177.95             | 0.92               |
| 8,022             | 94.09                | 3.58             | 4,841 | 3208.82          | -15.08         | 3208.81             | 0.89               |
| 8,052             | 93.12                | 3.05             | 4,839 | 3238.71          | -13.35         | 3238.70             | 3.68               |
| 8,101             | 92.51                | 2.61             | 4,837 | 3287.59          | -10.93         | 3287.58             | 1.53               |

NILE 22 GYRO.TXT

EOG Resources Inc  
Survey Report

Company: EOG Resources  
Field: Thames  
Site: Nile State "22" Com #1  
Well: Nile State "22" Com #1  
Wellpath: Original openhole

Date: 1/18/2005 Time: 09:15:31 Page: 1  
Co-ordinate(N/E) Reference: Site: Nile State "22" Com #1, Grid North  
Vertical (TVD) Reference: SITE 3771.0  
Section (VS) Reference: Well (0.00N,0.00E,0.04Azi)  
Survey Calculation Method: Minimum Curvature Db: sybase

Field: Thames

Map System: US State Plane Coordinate System 1927  
Geo Datum: NAD27 (Clarke 1866)  
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone  
Coordinate System: Site Centre  
Geomagnetic Model: igrf2000

Site: Nile State "22" Com #1

Site Position: Northing: 660468.00 ft Latitude: 32 48 55.707 N  
From: Map Easting: 424650.00 ft Longitude: 104 34 42.950 W  
Position Uncertainty: 0.00 ft North Reference: Grid  
Ground Level: 3753.00 ft Grid Convergence: -0.13 deg

Well: Nile State "22" Com #1

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 660468.00 ft Latitude: 32 48 55.707 N  
+E/-W 0.00 ft Easting: 424650.00 ft Longitude: 104 34 42.950 W  
Position Uncertainty: 0.00 ft

Wellpath: Original openhole

Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Above System Datum: Mean Sea Level  
Declination: 9.10 deg  
Mag Dip Angle: 60.79 deg  
+E/-W Direction  
ft deg  
0.00 0.04

Current Datum: SITE Height 3771.00 ft  
Magnetic Data: 8/23/2004  
Field Strength: 49710 nT  
Vertical Section: Depth From (TVD) +N/-S  
ft ft  
4900.00 0.00

Survey: Survey #1

Start Date: 1/11/2005

Company: EOG Resources Inc  
Tool: Keeper Cone, ()

Engineer: eog  
Tied-to: From Surface

Survey: Survey #1

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | VS<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | Tool/Comment |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| 0.00     | 0.00        | 0.00        | 0.00      | 0.00        | 0.00        | 0.00     | 0.00             | 0.00               | 0.00              | Keeper Cone  |
| 100.00   | 0.16        | 253.75      | 100.00    | -0.04       | -0.13       | -0.04    | 0.16             | 0.16               | 0.00              | Keeper Cone  |
| 200.00   | 0.63        | 152.56      | 200.00    | -0.57       | -0.01       | -0.57    | 0.68             | 0.47               | -101.19           | Keeper Cone  |
| 300.00   | 0.83        | 176.43      | 299.99    | -1.78       | 0.28        | -1.78    | 0.36             | 0.20               | 23.87             | Keeper Cone  |
| 400.00   | 1.21        | 140.98      | 399.97    | -3.32       | 0.99        | -3.32    | 0.72             | 0.38               | -35.45            | Keeper Cone  |
| 500.00   | 1.63        | 148.26      | 499.94    | -5.35       | 2.41        | -5.35    | 0.46             | 0.42               | 7.28              | Keeper Cone  |
| 600.00   | 1.66        | 148.24      | 599.90    | -7.79       | 3.92        | -7.79    | 0.03             | 0.03               | -0.02             | Keeper Cone  |

| NILE 22 GYRO.TXT |      |        |         |        |       |        |      |       |        |             |
|------------------|------|--------|---------|--------|-------|--------|------|-------|--------|-------------|
| 700.00           | 1.63 | 153.99 | 699.86  | -10.30 | 5.30  | -10.30 | 0.17 | -0.03 | 5.75   | Keeper Cone |
| 800.00           | 1.52 | 154.60 | 799.82  | -12.78 | 6.50  | -12.77 | 0.11 | -0.11 | 0.61   | Keeper Cone |
| 900.00           | 1.39 | 141.48 | 899.79  | -14.92 | 7.82  | -14.92 | 0.36 | -0.13 | -13.12 | Keeper Cone |
| 1000.00          | 1.56 | 142.34 | 999.76  | -16.95 | 9.41  | -16.94 | 0.17 | 0.17  | 0.86   | Keeper Cone |
| 1100.00          | 1.76 | 140.43 | 1099.72 | -19.21 | 11.22 | -19.20 | 0.21 | 0.20  | -1.91  | Keeper Cone |
| 1200.00          | 1.79 | 151.09 | 1199.67 | -21.76 | 12.95 | -21.75 | 0.33 | 0.03  | 10.66  | Keeper Cone |
| 1300.00          | 1.57 | 142.74 | 1299.63 | -24.22 | 14.53 | -24.21 | 0.33 | -0.22 | -8.35  | Keeper Cone |
| 1400.00          | 1.43 | 140.23 | 1399.59 | -26.27 | 16.16 | -26.26 | 0.15 | -0.14 | -2.51  | Keeper Cone |
| 1500.00          | 1.48 | 139.07 | 1499.56 | -28.20 | 17.81 | -28.19 | 0.06 | 0.05  | -1.16  | Keeper Cone |
| 1600.00          | 1.39 | 136.81 | 1599.53 | -30.06 | 19.48 | -30.05 | 0.11 | -0.09 | -2.26  | Keeper Cone |
| 1700.00          | 1.31 | 136.05 | 1699.50 | -31.77 | 21.11 | -31.76 | 0.08 | -0.08 | -0.76  | Keeper Cone |
| 1800.00          | 1.45 | 144.96 | 1799.47 | -33.63 | 22.63 | -33.61 | 0.26 | 0.14  | 8.91   | Keeper Cone |
| 1900.00          | 1.09 | 145.24 | 1899.45 | -35.45 | 23.89 | -35.43 | 0.36 | -0.36 | 0.28   | Keeper Cone |
| 2000.00          | 1.28 | 143.82 | 1999.43 | -37.13 | 25.10 | -37.11 | 0.19 | 0.19  | -1.42  | Keeper Cone |
| 2100.00          | 1.06 | 135.29 | 2099.40 | -38.69 | 26.41 | -38.67 | 0.28 | -0.22 | -8.53  | Keeper Cone |
| 2200.00          | 1.09 | 150.34 | 2199.39 | -40.17 | 27.53 | -40.15 | 0.28 | 0.03  | 15.05  | Keeper Cone |
| 2300.00          | 0.93 | 148.24 | 2299.37 | -41.69 | 28.43 | -41.67 | 0.16 | -0.16 | -2.10  | Keeper Cone |
| 2400.00          | 1.17 | 139.54 | 2399.35 | -43.16 | 29.52 | -43.13 | 0.29 | 0.24  | -8.70  | Keeper Cone |

EOG Resources Inc  
Survey Report

Company: EOG Resources  
Field: Thames  
Site: Nile State "22" Com #1  
Well: Nile State "22" Com #1  
Wellpath: Original Openhole

Date: 1/18/2005 Time: 09:15:31 Page: 2  
Co-ordinate(N/E) Reference: Site: Nile State "22" Com #1, Grid North  
Vertical (TVD) Reference: SITE 3771.0  
Section (VS) Reference: Well (0.00N,0.00E,0.04Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

| Survey: MD<br>ft | Survey #1<br>Incl<br>deg | Azim<br>deg | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | VS<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | Tool/Comment |
|------------------|--------------------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| 2500.00          | 1.08                     | 153.09      | 2499.34   | -44.77      | 30.60       | -44.75   | 0.28             | -0.09              | 13.55             | Keeper Cone  |
| 2600.00          | 0.85                     | 140.54      | 2599.32   | -46.19      | 31.50       | -46.16   | 0.31             | -0.23              | -12.55            | Keeper Cone  |
| 2700.00          | 0.93                     | 160.13      | 2699.31   | -47.52      | 32.25       | -47.50   | 0.31             | 0.08               | 19.59             | Keeper Cone  |
| 2800.00          | 0.79                     | 177.76      | 2799.30   | -48.98      | 32.55       | -48.95   | 0.30             | -0.14              | 17.63             | Keeper Cone  |
| 2900.00          | 0.52                     | 145.55      | 2899.29   | -50.04      | 32.84       | -50.01   | 0.45             | -0.27              | -32.21            | Keeper Cone  |
| 3000.00          | 0.61                     | 188.81      | 2999.29   | -50.94      | 33.01       | -50.91   | 0.42             | 0.09               | 43.26             | Keeper Cone  |
| 3100.00          | 0.55                     | 160.43      | 3099.28   | -51.92      | 33.09       | -51.89   | 0.29             | -0.06              | -28.38            | Keeper Cone  |
| 3200.00          | 0.18                     | 154.83      | 3199.28   | -52.51      | 33.32       | -52.49   | 0.37             | -0.37              | -5.60             | Keeper Cone  |
| 3300.00          | 0.34                     | 220.53      | 3299.28   | -52.88      | 33.19       | -52.85   | 0.31             | 0.16               | 65.70             | Keeper Cone  |
| 3400.00          | 0.54                     | 186.84      | 3399.28   | -53.57      | 32.94       | -53.55   | 0.32             | 0.20               | -33.69            | Keeper Cone  |
| 3500.00          | 0.48                     | 163.04      | 3499.27   | -54.44      | 33.01       | -54.42   | 0.22             | -0.06              | -23.80            | Keeper Cone  |
| 3600.00          | 0.27                     | 128.68      | 3599.27   | -54.99      | 33.32       | -54.96   | 0.30             | -0.21              | -34.36            | Keeper Cone  |
| 3700.00          | 0.53                     | 186.48      | 3699.27   | -55.60      | 33.45       | -55.57   | 0.45             | 0.26               | 57.80             | Keeper Cone  |

| NILE 22 GYRO.TXT |      |        |         |        |       |        |      |       |        |             |
|------------------|------|--------|---------|--------|-------|--------|------|-------|--------|-------------|
| 3800.00          | 0.70 | 151.47 | 3799.26 | -56.59 | 33.69 | -56.57 | 0.40 | 0.17  | -35.01 | Keeper Cone |
| 3900.00          | 0.71 | 120.62 | 3899.26 | -57.44 | 34.51 | -57.42 | 0.38 | 0.01  | -30.85 | Keeper Cone |
| 4000.00          | 0.86 | 145.90 | 3999.25 | -58.38 | 35.47 | -58.35 | 0.37 | 0.15  | 25.28  | Keeper Cone |
| 4100.00          | 0.87 | 134.56 | 4099.24 | -59.54 | 36.43 | -59.51 | 0.17 | 0.01  | -11.34 | Keeper Cone |
| 4200.00          | 0.95 | 121.19 | 4199.22 | -60.50 | 37.68 | -60.47 | 0.23 | 0.08  | -13.37 | Keeper Cone |
| 4300.00          | 1.25 | 114.11 | 4299.20 | -61.37 | 39.38 | -61.34 | 0.33 | 0.30  | -7.08  | Keeper Cone |
| 4400.00          | 1.07 | 112.51 | 4399.18 | -62.18 | 41.24 | -62.14 | 0.18 | -0.18 | -1.60  | Keeper Cone |
| 4500.00          | 1.39 | 101.66 | 4499.16 | -62.78 | 43.29 | -62.74 | 0.39 | 0.32  | -10.85 | Keeper Cone |
| 4600.00          | 1.20 | 101.85 | 4599.14 | -63.24 | 45.50 | -63.20 | 0.19 | -0.19 | 0.19   | Keeper Cone |
| 4700.00          | 1.36 | 101.29 | 4699.11 | -63.69 | 47.69 | -63.65 | 0.16 | 0.16  | -0.56  | Keeper Cone |
| 4800.00          | 1.01 | 106.65 | 4799.09 | -64.17 | 49.70 | -64.13 | 0.37 | -0.35 | 5.36   | Keeper Cone |
| 4900.00          | 0.99 | 90.02  | 4899.07 | -64.42 | 51.41 | -64.38 | 0.29 | -0.02 | -16.63 | Keeper Cone |
| 4950.00          | 0.99 | 113.77 | 4949.07 | -64.60 | 52.24 | -64.56 | 0.81 | 0.00  | 47.50  | Keeper Cone |