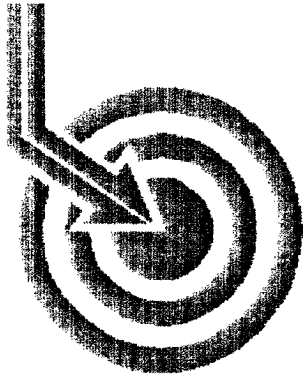


SCANNED



# Scientific Drilling

**E.O.G.**

Field: Bone Spring  
Site: Eddy County, NM  
Well: Holly 8A Fed #2H  
Wellpath: VH - Job #32K0206127  
Survey: 02/15/06

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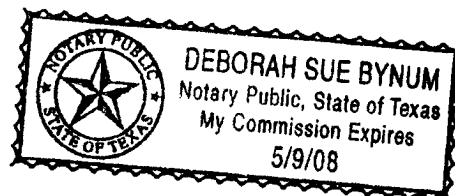
This survey is correct to the best of my knowledge  
and is supported by actual field data.

[Signature] ..... Company Representative

Notorized this date 6<sup>th</sup> of March, 2006.

Deborah Sue Bynum  
Notary Signature

County of Midland  
State of Texas





# Scientific Drilling International Survey Report

Company: E.O.G.  
Field: Bone Spring  
Site: Eddy County, NM  
Well: Holly 8A Fed #2H  
Wellpath: VH - Job #32K0208127

Date: 03/08/2006 Time: 19:11:35 Page: 1  
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,340.31Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/15/06  
KSRG 0'-7900'  
Company: Scientific Drilling Internatio  
Tool: Keeper;Keeper Surface Readout Gyro

Start Date: 02/15/2006  
Engineer: Gonzales w/Gray  
Tied-to: From Surface

## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | Chd<br>ft | ChsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|-----------|-------------|
| 0.00     | 0.00        | 0.00        | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00      | 0.00        |
| 100.00   | 0.44        | 2.02        | 100.00    | 0.36     | 0.38      | 0.01      | 0.44             | 0.38      | 2.02        |
| 200.00   | 0.36        | 340.62      | 200.00    | 1.03     | 1.06      | -0.08     | 0.17             | 1.07      | 355.85      |
| 300.00   | 0.41        | 307.47      | 299.99    | 1.64     | 1.58      | -0.47     | 0.22             | 1.65      | 343.57      |
| 400.00   | 0.69        | 247.57      | 399.99    | 1.91     | 1.57      | -1.31     | 0.60             | 2.04      | 320.17      |
| 500.00   | 0.68        | 255.85      | 499.98    | 1.94     | 1.19      | -2.44     | 0.10             | 2.71      | 296.04      |
| 600.00   | 0.59        | 260.67      | 599.98    | 2.09     | 0.96      | -3.52     | 0.10             | 3.65      | 285.29      |
| 700.00   | 0.67        | 254.24      | 699.97    | 2.23     | 0.72      | -4.59     | 0.11             | 4.65      | 278.91      |
| 800.00   | 0.31        | 314.34      | 799.97    | 2.51     | 0.75      | -5.35     | 0.58             | 5.40      | 277.99      |
| 900.00   | 0.53        | 303.32      | 899.97    | 3.12     | 1.19      | -5.93     | 0.23             | 6.05      | 281.38      |
| 1000.00  | 0.40        | 313.01      | 999.96    | 3.80     | 1.69      | -6.57     | 0.15             | 6.78      | 284.39      |
| 1100.00  | 0.28        | 344.95      | 1099.96   | 4.35     | 2.16      | -6.89     | 0.22             | 7.22      | 287.41      |
| 1200.00  | 0.39        | 351.34      | 1199.96   | 4.93     | 2.73      | -7.00     | 0.12             | 7.52      | 291.31      |
| 1300.00  | 0.48        | 3.77        | 1299.96   | 5.65     | 3.49      | -7.03     | 0.13             | 7.84      | 296.39      |
| 1400.00  | 0.57        | 2.82        | 1399.95   | 6.49     | 4.40      | -6.98     | 0.09             | 8.25      | 302.25      |
| 1500.00  | 0.73        | 10.43       | 1499.94   | 7.50     | 5.52      | -6.84     | 0.18             | 8.79      | 308.95      |
| 1600.00  | 0.72        | 357.19      | 1599.94   | 8.66     | 6.78      | -6.75     | 0.17             | 9.57      | 315.12      |
| 1700.00  | 0.87        | 354.88      | 1699.93   | 9.99     | 8.16      | -6.85     | 0.15             | 10.66     | 320.00      |
| 1800.00  | 1.01        | 354.46      | 1799.91   | 11.58    | 9.80      | -7.00     | 0.14             | 12.04     | 324.44      |
| 1900.00  | 0.96        | 353.59      | 1899.90   | 13.25    | 11.51     | -7.18     | 0.05             | 13.56     | 328.03      |
| 2000.00  | 1.16        | 353.45      | 1999.88   | 15.05    | 13.34     | -7.39     | 0.20             | 15.25     | 331.02      |
| 2100.00  | 1.19        | 355.01      | 2099.86   | 17.04    | 15.38     | -7.60     | 0.04             | 17.16     | 333.72      |
| 2200.00  | 1.13        | 350.52      | 2199.84   | 19.02    | 17.39     | -7.85     | 0.11             | 19.08     | 335.71      |
| 2300.00  | 1.17        | 345.23      | 2299.82   | 21.01    | 19.35     | -8.27     | 0.11             | 21.04     | 336.86      |
| 2400.00  | 1.22        | 345.96      | 2399.80   | 23.08    | 21.37     | -8.79     | 0.05             | 23.11     | 337.64      |
| 2500.00  | 1.29        | 345.91      | 2499.77   | 25.26    | 23.50     | -9.32     | 0.07             | 25.28     | 338.36      |
| 2600.00  | 1.20        | 345.01      | 2599.75   | 27.43    | 25.60     | -9.87     | 0.09             | 27.43     | 338.92      |
| 2700.00  | 1.26        | 346.20      | 2699.73   | 29.56    | 27.68     | -10.40    | 0.07             | 29.57     | 339.41      |
| 2800.00  | 1.22        | 346.01      | 2799.70   | 31.72    | 29.78     | -10.92    | 0.04             | 31.72     | 339.86      |
| 2900.00  | 1.24        | 347.33      | 2899.68   | 33.85    | 31.87     | -11.41    | 0.03             | 33.85     | 340.29      |
| 3000.00  | 1.31        | 347.09      | 2999.66   | 36.06    | 34.04     | -11.91    | 0.07             | 36.06     | 340.72      |
| 3100.00  | 1.33        | 347.22      | 3099.63   | 38.35    | 36.28     | -12.42    | 0.02             | 38.35     | 341.11      |
| 3200.00  | 1.39        | 343.55      | 3199.60   | 40.71    | 38.58     | -13.02    | 0.11             | 40.72     | 341.35      |
| 3300.00  | 1.40        | 344.76      | 3299.57   | 43.14    | 40.92     | -13.68    | 0.03             | 43.15     | 341.51      |
| 3400.00  | 1.25        | 337.18      | 3399.55   | 45.44    | 43.10     | -14.43    | 0.23             | 45.45     | 341.49      |
| 3500.00  | 1.05        | 334.32      | 3499.53   | 47.44    | 44.93     | -15.25    | 0.21             | 47.45     | 341.26      |
| 3600.00  | 0.69        | 323.51      | 3599.51   | 48.93    | 46.24     | -16.00    | 0.39             | 48.94     | 340.91      |
| 3700.00  | 0.50        | 307.81      | 3699.51   | 49.88    | 47.00     | -16.71    | 0.25             | 49.88     | 340.43      |
| 3800.00  | 0.47        | 262.16      | 3799.51   | 50.33    | 47.21     | -17.46    | 0.38             | 50.33     | 339.71      |
| 3900.00  | 0.66        | 243.06      | 3899.50   | 50.34    | 46.89     | -18.38    | 0.27             | 50.36     | 338.60      |
| 4000.00  | 0.71        | 235.09      | 3999.49   | 50.11    | 46.28     | -19.40    | 0.11             | 50.18     | 337.26      |
| 4100.00  | 0.81        | 228.89      | 4099.48   | 49.68    | 45.46     | -20.44    | 0.13             | 49.84     | 335.79      |
| 4200.00  | 0.79        | 234.55      | 4199.47   | 49.24    | 44.59     | -21.53    | 0.08             | 49.52     | 334.22      |
| 4300.00  | 0.81        | 239.14      | 4299.47   | 48.92    | 43.83     | -22.70    | 0.07             | 49.36     | 332.62      |
| 4400.00  | 0.83        | 232.99      | 4399.45   | 48.56    | 43.03     | -23.89    | 0.09             | 49.22     | 330.97      |
| 4500.00  | 0.79        | 231.16      | 4499.44   | 48.12    | 42.16     | -25.00    | 0.05             | 49.02     | 329.33      |
| 4600.00  | 0.78        | 216.18      | 4599.44   | 47.51    | 41.18     | -25.94    | 0.20             | 48.67     | 327.79      |
| 4700.00  | 0.60        | 200.05      | 4699.43   | 46.73    | 40.14     | -26.52    | 0.26             | 48.11     | 326.55      |
| 4800.00  | 0.56        | 179.00      | 4799.42   | 45.86    | 39.16     | -26.69    | 0.22             | 47.39     | 325.72      |



# Scientific Drilling International Survey Report

Company: E.O.G.  
Field: Bone Spring  
Site: Eddy County, NM  
Well: Holly 8A Fed #2H  
Wellpath: VH - Job #32K0208127

Date: 03/06/2006 Time: 19:11:35 Page: 2  
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,340.31Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

## Survey

| MD<br>ft | Incl<br>deg | Azimuth<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|----------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 4900.00  | 0.47        | 169.73         | 4899.42   | 45.00    | 38.27     | -26.61    | 0.12             | 46.61      | 325.18      |
| 5000.00  | 0.33        | 158.00         | 4999.42   | 44.30    | 37.60     | -26.43    | 0.16             | 45.96      | 324.89      |
| 5100.00  | 0.29        | 151.06         | 5099.42   | 43.77    | 37.11     | -26.20    | 0.05             | 45.42      | 324.78      |
| 5200.00  | 0.27        | 162.21         | 5199.41   | 43.28    | 36.66     | -26.01    | 0.06             | 44.95      | 324.65      |
| 5300.00  | 0.39        | 207.20         | 5299.41   | 42.81    | 36.13     | -26.09    | 0.28             | 44.57      | 324.17      |
| 5400.00  | 0.55        | 199.63         | 5399.41   | 42.21    | 35.38     | -26.41    | 0.17             | 44.15      | 323.26      |
| 5500.00  | 0.57        | 209.20         | 5499.40   | 41.51    | 34.49     | -26.81    | 0.10             | 43.69      | 322.14      |
| 5600.00  | 0.60        | 208.48         | 5599.40   | 40.83    | 33.60     | -27.30    | 0.03             | 43.29      | 320.90      |
| 5700.00  | 0.61        | 214.24         | 5699.39   | 40.17    | 32.70     | -27.85    | 0.06             | 42.95      | 319.58      |
| 5800.00  | 0.69        | 221.19         | 5799.39   | 39.56    | 31.81     | -28.55    | 0.11             | 42.74      | 318.09      |
| 5900.00  | 1.06        | 248.23         | 5899.38   | 39.24    | 31.01     | -29.80    | 0.54             | 43.01      | 316.14      |
| 6000.00  | 0.81        | 269.35         | 5999.36   | 39.43    | 30.66     | -31.37    | 0.42             | 43.86      | 314.34      |
| 6100.00  | 0.70        | 274.06         | 6099.35   | 39.91    | 30.69     | -32.68    | 0.13             | 44.84      | 313.20      |
| 6200.00  | 0.73        | 277.14         | 6199.35   | 40.44    | 30.82     | -33.93    | 0.05             | 45.83      | 312.25      |
| 6300.00  | 0.78        | 327.71         | 6299.34   | 41.40    | 31.47     | -34.92    | 0.65             | 47.01      | 312.02      |
| 6400.00  | 1.06        | 346.69         | 6399.33   | 42.98    | 32.95     | -35.50    | 0.41             | 48.43      | 312.86      |
| 6500.00  | 1.24        | 356.48         | 6499.31   | 44.94    | 34.93     | -35.78    | 0.27             | 50.00      | 314.31      |
| 6600.00  | 1.55        | 6.09           | 6599.28   | 47.20    | 37.35     | -35.70    | 0.39             | 51.67      | 316.29      |
| 6700.00  | 1.68        | 6.07           | 6699.24   | 49.73    | 40.15     | -35.40    | 0.13             | 53.53      | 318.60      |
| 6800.00  | 1.74        | 5.93           | 6799.19   | 52.42    | 43.12     | -35.09    | 0.06             | 55.59      | 320.86      |
| 6900.00  | 1.71        | 8.40           | 6899.15   | 55.11    | 46.11     | -34.72    | 0.08             | 57.72      | 323.02      |
| 7000.00  | 1.78        | 8.79           | 6999.10   | 57.79    | 49.12     | -34.26    | 0.07             | 59.89      | 325.10      |
| 7100.00  | 1.80        | 9.96           | 7099.05   | 60.52    | 52.20     | -33.75    | 0.04             | 62.16      | 327.11      |
| 7200.00  | 2.28        | 18.96          | 7198.99   | 63.44    | 55.63     | -32.83    | 0.58             | 64.60      | 329.45      |
| 7300.00  | 2.36        | 8.53           | 7298.91   | 66.81    | 59.55     | -31.88    | 0.43             | 67.54      | 331.83      |
| 7400.00  | 2.52        | 7.18           | 7398.82   | 70.58    | 63.76     | -31.30    | 0.17             | 71.03      | 333.85      |
| 7500.00  | 1.88        | 10.47          | 7498.74   | 73.96    | 67.56     | -30.73    | 0.65             | 74.22      | 335.54      |
| 7600.00  | 1.75        | 9.79           | 7598.69   | 76.71    | 70.67     | -30.17    | 0.13             | 76.85      | 336.88      |
| 7700.00  | 1.69        | 10.57          | 7698.65   | 79.31    | 73.63     | -29.64    | 0.06             | 79.37      | 338.07      |
| 7800.00  | 1.41        | 18.48          | 7798.61   | 81.55    | 76.25     | -28.98    | 0.35             | 81.57      | 339.19      |
| 7900.00  | 1.66        | 15.57          | 7898.57   | 83.70    | 78.81     | -28.20    | 0.26             | 83.70      | 340.31      |



**Scientific  
Drilling**

Field: Bone Spring  
Site: Eddy County, NM  
Well: Holly 8A Fed #2H  
Wellpath: VH - Job #32K0206127  
Survey: 02/15/06

