

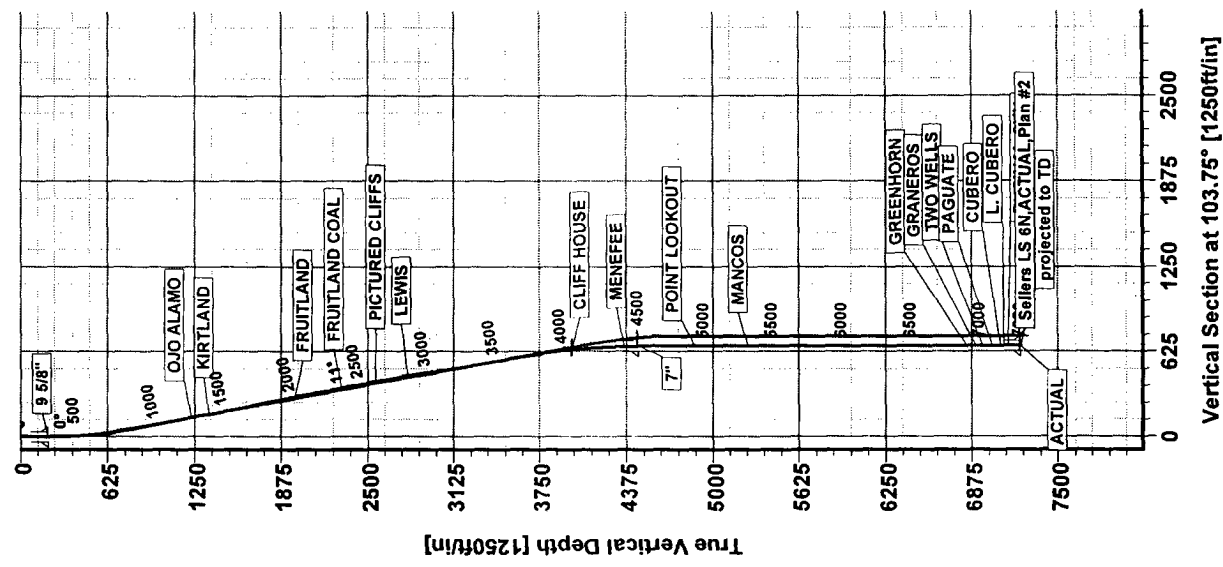
30-045-33250



Field: SAN JUAN, New Mexico  
 Site: SEC 30-T30N-R10W  
 Well: Sellers LS 6N  
 Wellpath: ACTUAL



# COMPARISON PLOT



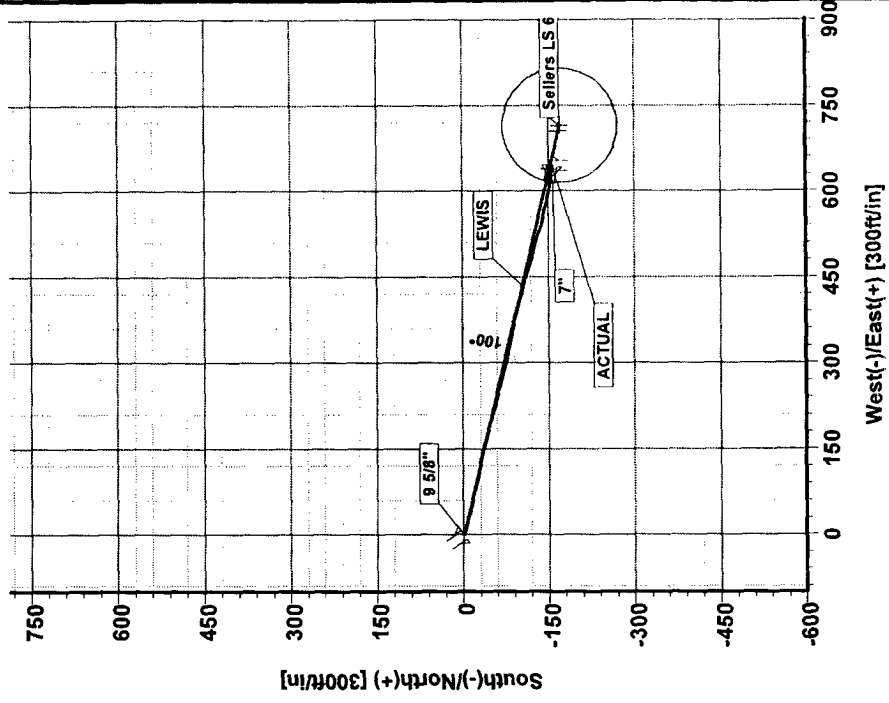
PLANNED  
 ACTUAL

LEGEND  
 --- Sellers LS 6N, ACTUAL, Plan #2  
 --- ACTUAL

Azimuths to Grid North  
 True North: 0.08°  
 Magnetic North: 10.71°  
 Magnetic Field  
 Strength: 51332nT  
 Dip Angle: 63.63°  
 Date: 3/6/2006  
 Model: bggm2005

## FORMATION TOP DETAILS

| No. | TVDPath | MDPath  | Formation       |
|-----|---------|---------|-----------------|
| 1   | 1226.00 | 1238.72 | OJO ALAMO       |
| 2   | 1353.00 | 1368.07 | KIRTLAND        |
| 3   | 1977.00 | 2005.32 | FRUITLAND       |
| 4   | 2309.00 | 2343.38 | FRUITLAND COAL  |
| 5   | 2554.00 | 2592.43 | PICTURED CLIFFS |
| 6   | 2792.00 | 2834.62 | LEWIS           |
| 7   | 3981.00 | 4039.25 | CLIFF HOUSE     |
| 8   | 4356.00 | 4415.02 | MENEFEE         |
| 9   | 4855.00 | 4924.04 | POINT LOOKOUT   |
| 10  | 5256.00 | 5315.04 | MANCOS          |
| 11  | 6842.00 | 6901.04 | GREENHORN       |
| 12  | 6904.00 | 6963.04 | GRANEROS        |
| 13  | 6953.00 | 7012.04 | TWO WELLS       |
| 14  | 7025.00 | 7084.04 | PAGUATE         |
| 15  | 7084.00 | 7143.04 | CUBERO          |
| 16  | 7106.00 | 7165.04 | L. CUBERO       |
| 17  | 7140.00 | 7199.04 | ENCINAL CYN     |



## SURVEY PROGRAM

Date : 4/7/2006 Validated : No Version : 3

| Depth Fm | Depth To | Survey/Plan      | Tool      |
|----------|----------|------------------|-----------|
| 363.00   | 4014.00  | MWD Survey       | MWD/SCWSA |
| 4150.00  | 7290.00  | Projected Survey | INC+TREND |

## SITE DETAILS

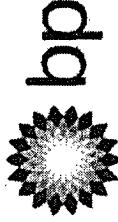
SEC 30-T30N-R10W  
 SAN JUAN NEW MEXICO  
 Ground Level: 9113.00  
 Positional Uncertainty: 0.00  
 Convergence: -0.06

## FIELD DETAILS

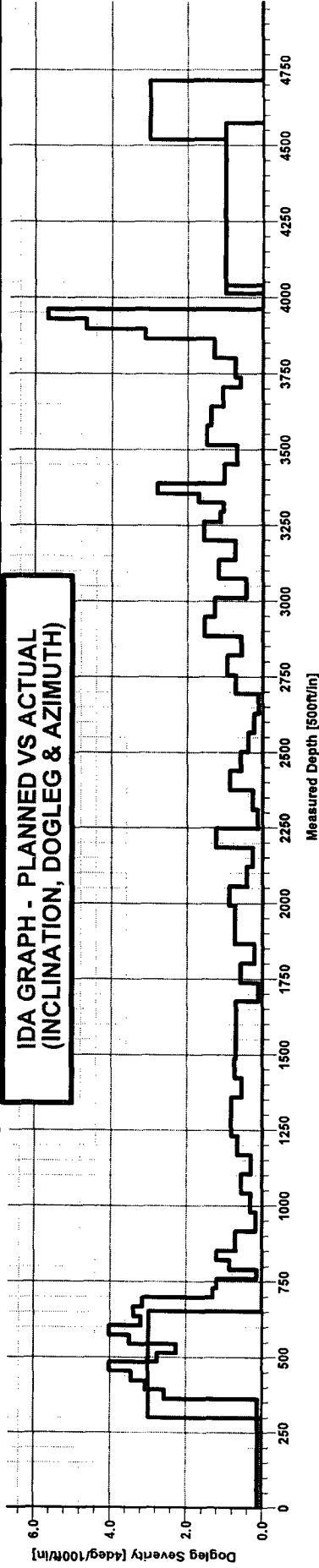
SAN JUAN, New Mexico  
 SAN JUAN COUNTY, NEW MEXICO  
 USA  
 Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: New Mexico, Western Zone  
 Magnetic Model: bggm2005



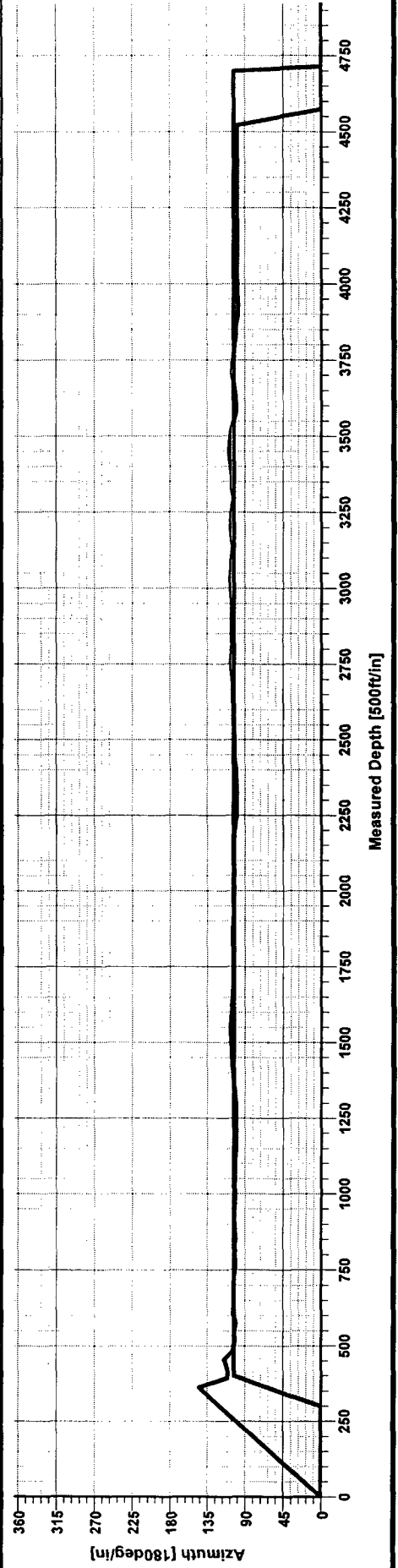
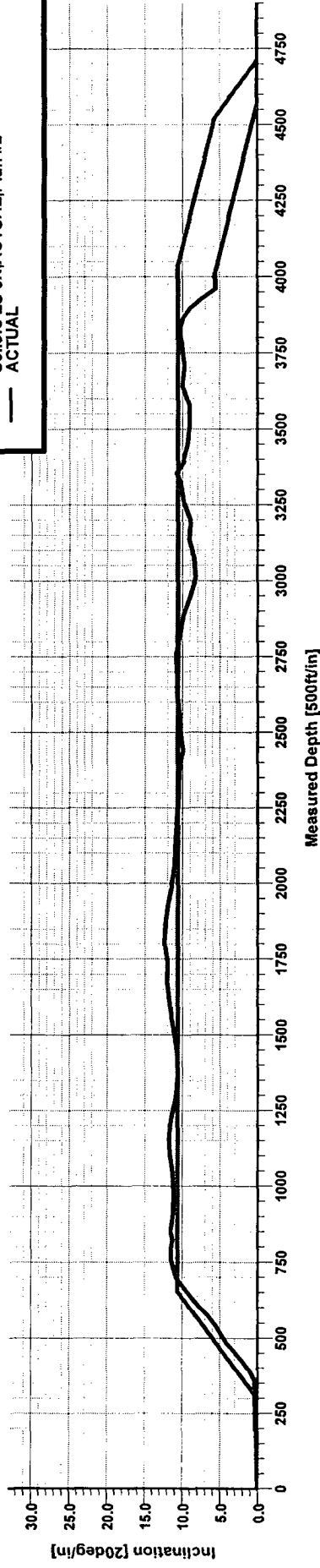
Field: SAN JUAN, New Mexico  
Site: SEC 30-T30N-R10W  
Well: Sellers LS 6N  
Wellpath: ACTUAL



IDA GRAPH - PLANNED VS ACTUAL  
(INCLINATION, DOGLEG & AZIMUTH)



LEGEND  
--- Sellers LS 6N ACTUAL, Plan #2  
— ACTUAL





# Scientific Drilling Survey Report



Company: BP Date: 4/7/2006 Time: 14:37:15 Page: 1  
Field: SAN JUAN, New Mexico Co-ordinate(NE) Reference: Well: Sellers LS 6N, Grid North  
Site: SEC 30-T30N-R10W Vertical (TVD) Reference: AGL=6107'+KB=14' 6121.0  
Well: Sellers LS 6N Section (VS) Reference: Well (0.00N,0.00E,103.75Azi)  
Wellpath: ACTUAL Survey Calculation Method: Minimum Curvature Db: Sybase

Field: SAN JUAN, New Mexico  
SAN JUAN COUNTY, NEW MEXICO  
USA  
Map System: US State Plane Coordinate System 1983  
Geo Datum: GRS 1980  
Sys Datum: Mean Sea Level  
Map Zone: New Mexico, Western Zone  
Coordinate System: Well Centre  
Geomagnetic Model: bggm2005

Site: SEC 30-T30N-R10W

SAN JUAN NEW MEXICO

Site Position: Northing: ft Latitude:  
From: Lease Line Easting: ft Longitude:  
Position Uncertainty: 0.00 ft North Reference: Grid  
Ground Level: 9113.00 ft Grid Convergence: -0.06 deg

Well: Sellers LS 6N

Slot Name:

Well Position: +N/-S -270.00 ft Northing: 2104880.43 ft Latitude: 36 47 4.047 N  
+E/-W 50.00 ft Easting: 2694847.39 ft Longitude: 107 55 47.296 W  
Position Uncertainty: 0.00 ft

Wellpath: ACTUAL

Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Above System Datum: Mean Sea Level  
Declination: 10.65 deg  
Mag Dip Angle: 63.63 deg  
+E/-W Direction  
ft deg

Current Datum: AGL=6107'+KB=14' Height 6121.00 ft  
Magnetic Data: 3/6/2006  
Field Strength: 51332 nT  
Vertical Section: Depth From (TVD) +N/-S  
ft ft

0.00 0.00 0.00 103.75

## Survey Program for Definitive Wellpath

Date: 4/7/2006 Validated: No

Version: 3

Actual From To Survey Tookcode Tool Name

363.00 4014.00 MWD Survey (363.00-4014.00) MWD ISCWSA MWD - Standard  
4150.00 7290.00 Projected Survey (4521.70-7290) INC+TREND Inclinator + known azi trend

## Survey

| 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              | TIE LINE     |
| 200.00   | 0.26        | 145.25      | 200.00    | -0.37       | 0.26        | 0.34     | 0.13             | 0.13               | 0.00              | 9 5/8"       |
| 363.00   | 0.47        | 145.25      | 363.00    | -1.22       | 0.85        | 1.12     | 0.13             | 0.13               | 0.00              | MWD ISCWSA   |
| 394.00   | 1.15        | 111.96      | 393.99    | -1.44       | 1.21        | 1.52     | 2.58             | 2.19               | -107.39           | MWD ISCWSA   |
| 424.00   | 2.07        | 111.36      | 423.98    | -1.75       | 1.99        | 2.35     | 3.07             | 3.07               | -2.00             | MWD ISCWSA   |
| 455.00   | 3.13        | 114.75      | 454.95    | -2.31       | 3.28        | 3.74     | 3.45             | 3.42               | 10.94             | MWD ISCWSA   |
| 485.00   | 4.15        | 104.54      | 484.89    | -2.93       | 5.08        | 5.63     | 4.02             | 3.40               | -34.03            | MWD ISCWSA   |
| 515.00   | 4.97        | 103.11      | 514.79    | -3.50       | 7.39        | 8.01     | 2.76             | 2.73               | -4.77             | MWD ISCWSA   |
| 546.00   | 5.67        | 103.30      | 545.66    | -4.15       | 10.19       | 10.89    | 2.26             | 2.26               | 0.61              | MWD ISCWSA   |
| 576.00   | 6.70        | 101.48      | 575.48    | -4.84       | 13.35       | 14.12    | 3.49             | 3.43               | -6.07             | MWD ISCWSA   |
| 607.00   | 7.89        | 104.48      | 606.23    | -5.73       | 17.18       | 18.05    | 4.03             | 3.84               | 9.68              | MWD ISCWSA   |
| 638.00   | 8.87        | 103.41      | 636.90    | -6.82       | 21.57       | 22.57    | 3.20             | 3.16               | -3.45             | MWD ISCWSA   |
| 669.00   | 9.92        | 103.35      | 667.48    | -7.99       | 26.49       | 27.63    | 3.39             | 3.39               | -0.19             | MWD ISCWSA   |
| 699.00   | 10.86       | 103.87      | 696.99    | -9.26       | 31.75       | 33.04    | 3.15             | 3.13               | 1.73              | MWD ISCWSA   |
| 730.00   | 11.26       | 103.65      | 727.42    | -10.68      | 37.53       | 38.99    | 1.30             | 1.29               | -0.71             | MWD ISCWSA   |
| 761.00   | 11.57       | 102.58      | 757.80    | -12.07      | 43.50       | 45.12    | 1.21             | 1.00               | -3.45             | MWD ISCWSA   |
| 791.00   | 11.55       | 102.78      | 787.19    | -13.39      | 49.37       | 51.13    | 0.15             | -0.07              | 0.67              | MWD ISCWSA   |
| 822.00   | 11.28       | 102.93      | 817.58    | -14.75      | 55.35       | 57.27    | 0.88             | -0.87              | 0.48              | MWD ISCWSA   |
| 852.00   | 11.56       | 101.73      | 846.99    | -16.02      | 61.15       | 63.21    | 1.22             | 0.93               | -4.00             | MWD ISCWSA   |
| 917.00   | 11.24       | 103.40      | 910.71    | -18.81      | 73.69       | 76.05    | 0.71             | -0.49              | 2.57              | MWD ISCWSA   |
| 980.00   | 11.19       | 102.88      | 972.50    | -21.60      | 85.62       | 88.30    | 0.18             | -0.08              | -0.83             | MWD ISCWSA   |
| 1043.00  | 11.33       | 102.10      | 1034.29   | -24.26      | 97.63       | 100.60   | 0.33             | 0.22               | -1.24             | MWD ISCWSA   |



# Scientific Drilling Survey Report



|                             |                            |                                 |            |
|-----------------------------|----------------------------|---------------------------------|------------|
| Company: BP                 | Date: 4/7/2006             | Time: 14:37:15                  | Page: 2    |
| Field: SAN JUAN, New Mexico | Co-ordinate(NE) Reference: | Well: Sellers LS 6N, Grid North |            |
| Site: SEC 30-T30N-R10W      | Vertical (TVD) Reference:  | AGL=6107'+KB=14' 6121.0         |            |
| Well: Sellers LS 6N         | Section (VS) Reference:    | Well (0.00N,0.00E,103.75Azi)    |            |
| Wellpath: ACTUAL            | Survey Calculation Method: | Minimum Curvature               | Db: Sybase |

## Survey

| 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    |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|-----------------|
| 1106.00  | 11.69       | 102.09      | 1096.02   | -26.89      | 109.92      | 113.17   | 0.57             | 0.57               | -0.02             | MWD ISCWSA      |
| 1169.00  | 11.82       | 101.37      | 1157.70   | -29.50      | 122.49      | 125.99   | 0.31             | 0.21               | -1.14             | MWD ISCWSA      |
| 1233.00  | 11.40       | 100.92      | 1220.39   | -31.99      | 135.13      | 138.86   | 0.67             | -0.66              | -0.70             | MWD ISCWSA      |
| 1238.72  | 11.35       | 100.91      | 1226.00   | -32.21      | 136.23      | 139.99   | 0.84             | -0.84              | -0.16             | OJO ALAMO       |
| 1294.00  | 10.89       | 100.82      | 1280.24   | -34.22      | 146.71      | 150.63   | 0.84             | -0.84              | -0.16             | MWD ISCWSA      |
| 1360.00  | 10.70       | 103.56      | 1345.07   | -36.82      | 158.79      | 162.99   | 0.83             | -0.29              | 4.15              | MWD ISCWSA      |
| 1368.07  | 10.69       | 103.80      | 1353.00   | -37.18      | 160.24      | 164.48   | 0.57             | -0.13              | 2.96              | KIRTLAND        |
| 1424.00  | 10.62       | 105.47      | 1407.97   | -39.79      | 170.25      | 174.82   | 0.57             | -0.12              | 2.99              | MWD ISCWSA      |
| 1489.00  | 11.06       | 106.62      | 1471.81   | -43.17      | 181.99      | 187.04   | 0.75             | 0.68               | 1.77              | MWD ISCWSA      |
| 1553.00  | 11.48       | 107.49      | 1534.58   | -46.84      | 193.95      | 199.52   | 0.71             | 0.66               | 1.36              | MWD ISCWSA      |
| 1617.00  | 11.76       | 105.68      | 1597.26   | -50.52      | 206.30      | 212.40   | 0.72             | 0.44               | -2.83             | MWD ISCWSA      |
| 1678.00  | 12.10       | 104.38      | 1656.95   | -53.79      | 218.48      | 225.00   | 0.71             | 0.56               | -2.13             | MWD ISCWSA      |
| 1739.00  | 12.04       | 104.17      | 1716.60   | -56.93      | 230.84      | 237.76   | 0.12             | -0.10              | -0.34             | MWD ISCWSA      |
| 1803.00  | 12.42       | 104.28      | 1779.15   | -60.26      | 243.98      | 251.32   | 0.59             | 0.59               | 0.17              | MWD ISCWSA      |
| 1867.00  | 12.33       | 104.86      | 1841.66   | -63.71      | 257.26      | 265.03   | 0.24             | -0.14              | 0.91              | MWD ISCWSA      |
| 1931.00  | 11.94       | 103.58      | 1904.23   | -67.02      | 270.30      | 278.48   | 0.74             | -0.61              | -2.00             | MWD ISCWSA      |
| 1994.00  | 11.53       | 104.70      | 1965.91   | -70.15      | 282.72      | 291.29   | 0.74             | -0.65              | 1.78              | MWD ISCWSA      |
| 2005.32  | 11.45       | 104.39      | 1977.00   | -70.71      | 284.91      | 293.55   | 0.90             | -0.71              | -2.77             | FRUITLAND       |
| 2058.00  | 11.08       | 102.87      | 2028.67   | -73.14      | 294.91      | 303.84   | 0.90             | -0.70              | -2.88             | MWD ISCWSA      |
| 2122.00  | 11.01       | 104.27      | 2091.48   | -76.02      | 306.82      | 316.10   | 0.43             | -0.11              | 2.19              | MWD ISCWSA      |
| 2185.00  | 10.84       | 104.32      | 2153.34   | -78.96      | 318.39      | 328.04   | 0.27             | -0.27              | 0.08              | MWD ISCWSA      |
| 2249.00  | 10.64       | 100.18      | 2216.22   | -81.50      | 330.04      | 339.95   | 1.25             | -0.31              | -6.47             | MWD ISCWSA      |
| 2313.00  | 10.56       | 100.00      | 2279.13   | -83.56      | 341.63      | 351.70   | 0.14             | -0.12              | -0.28             | MWD ISCWSA      |
| 2343.38  | 10.54       | 100.44      | 2309.00   | -84.55      | 347.11      | 357.25   | 0.27             | -0.08              | 1.43              | FRUITLAND COAL  |
| 2377.00  | 10.51       | 100.92      | 2342.05   | -85.68      | 353.14      | 363.38   | 0.27             | -0.08              | 1.44              | MWD ISCWSA      |
| 2440.00  | 9.99        | 102.08      | 2404.05   | -87.92      | 364.12      | 374.59   | 0.89             | -0.83              | 1.84              | MWD ISCWSA      |
| 2504.00  | 10.32       | 103.19      | 2467.04   | -90.39      | 375.13      | 385.87   | 0.60             | 0.52               | 1.73              | MWD ISCWSA      |
| 2567.00  | 10.53       | 103.94      | 2529.00   | -93.06      | 386.22      | 397.27   | 0.40             | 0.33               | 1.19              | MWD ISCWSA      |
| 2592.43  | 10.59       | 104.10      | 2554.00   | -94.19      | 390.74      | 401.93   | 0.25             | 0.22               | 0.65              | PICTURED CLIFFS |
| 2631.00  | 10.67       | 104.35      | 2591.91   | -95.94      | 397.63      | 409.04   | 0.25             | 0.22               | 0.64              | MWD ISCWSA      |
| 2695.00  | 10.74       | 104.58      | 2654.80   | -98.91      | 409.14      | 420.93   | 0.13             | 0.11               | 0.36              | MWD ISCWSA      |
| 2758.00  | 10.87       | 106.94      | 2716.68   | -102.12     | 420.51      | 432.73   | 0.73             | 0.21               | 3.75              | MWD ISCWSA      |
| 2822.00  | 10.35       | 105.21      | 2779.59   | -105.38     | 431.83      | 444.50   | 0.95             | -0.81              | -2.70             | MWD ISCWSA      |
| 2834.62  | 10.28       | 105.27      | 2792.00   | -105.98     | 434.01      | 446.76   | 0.58             | -0.58              | 0.44              | LEWIS           |
| 2886.00  | 9.98        | 105.50      | 2842.58   | -108.37     | 442.72      | 455.79   | 0.58             | -0.58              | 0.46              | MWD ISCWSA      |
| 2949.00  | 9.00        | 105.35      | 2904.72   | -111.14     | 452.73      | 466.17   | 1.56             | -1.56              | -0.24             | MWD ISCWSA      |
| 3012.00  | 8.27        | 107.68      | 2967.00   | -113.82     | 461.80      | 475.62   | 1.28             | -1.16              | 3.70              | MWD ISCWSA      |
| 3075.00  | 8.47        | 106.22      | 3029.33   | -116.49     | 470.57      | 484.77   | 0.46             | 0.32               | -2.32             | MWD ISCWSA      |
| 3138.00  | 9.18        | 104.82      | 3091.59   | -119.07     | 479.89      | 494.43   | 1.18             | 1.13               | -2.22             | MWD ISCWSA      |
| 3200.00  | 8.96        | 107.46      | 3152.81   | -121.78     | 489.27      | 504.20   | 0.76             | -0.35              | 4.26              | MWD ISCWSA      |
| 3263.00  | 9.87        | 105.05      | 3214.96   | -124.66     | 499.17      | 514.49   | 1.57             | 1.44               | -3.83             | MWD ISCWSA      |
| 3295.00  | 10.13       | 103.56      | 3246.48   | -126.03     | 504.55      | 520.05   | 1.15             | 0.81               | -4.66             | MWD ISCWSA      |
| 3325.00  | 10.32       | 105.00      | 3276.00   | -127.34     | 509.71      | 525.37   | 1.06             | 0.63               | 4.80              | MWD ISCWSA      |
| 3356.00  | 10.84       | 105.57      | 3306.47   | -128.85     | 515.20      | 531.06   | 1.71             | 1.68               | 1.84              | MWD ISCWSA      |
| 3389.00  | 9.96        | 107.17      | 3338.93   | -130.52     | 520.92      | 537.01   | 2.81             | -2.67              | 4.85              | MWD ISCWSA      |
| 3452.00  | 9.38        | 109.06      | 3401.04   | -133.81     | 530.98      | 547.56   | 1.05             | -0.92              | 3.00              | MWD ISCWSA      |
| 3516.00  | 9.10        | 106.89      | 3464.21   | -136.98     | 540.75      | 557.81   | 0.70             | -0.44              | -3.39             | MWD ISCWSA      |
| 3580.00  | 9.15        | 100.85      | 3527.40   | -139.41     | 550.59      | 567.94   | 1.50             | 0.08               | -9.44             | MWD ISCWSA      |
| 3643.00  | 10.02       | 101.45      | 3589.52   | -141.44     | 560.88      | 578.42   | 1.39             | 1.38               | 0.95              | MWD ISCWSA      |
| 3707.00  | 9.75        | 105.12      | 3652.57   | -143.96     | 571.57      | 589.41   | 1.07             | -0.42              | 5.73              | MWD ISCWSA      |
| 3739.00  | 9.94        | 104.90      | 3684.10   | -145.37     | 576.85      | 594.88   | 0.61             | 0.59               | -0.69             | MWD ISCWSA      |
| 3802.00  | 10.24       | 102.78      | 3746.12   | -148.01     | 587.57      | 605.91   | 0.76             | 0.48               | -3.37             | MWD ISCWSA      |
| 3834.00  | 10.38       | 100.56      | 3777.61   | -149.17     | 593.18      | 611.63   | 1.32             | 0.44               | -6.94             | MWD ISCWSA      |

# Scientific Drilling

## Survey Report

|                                                                                                                                                    |                                                                                                                                                                                                                                                                              |                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Company:</b> BP<br><b>Field:</b> SAN JUAN, New Mexico<br><b>Site:</b> SEC 30-T30N-R10W<br><b>Well:</b> Sellers LS 6N<br><b>Wellpath:</b> ACTUAL | <b>Date:</b> 4/7/2006<br><b>Co-ordinate(NE) Reference:</b> Well: Sellers LS 6N, Grid North<br><b>Vertical (TVD) Reference:</b> AGL=6107'+KB=14' 6121.0<br><b>Section (VS) Reference:</b> Well (0.00N,0.00E,103.75Azi)<br><b>Survey Calculation Method:</b> Minimum Curvature | <b>Time:</b> 14:37:15<br><b>Page:</b> 3<br><b>Db:</b> Sybase |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|

### Survey

| 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   |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|----------------|
| 3866.00  | 9.96        | 100.47      | 3809.10   | -150.20     | 598.73      | 617.27   | 1.31             | -1.31              | -0.28             | MWD ISCWSA     |
| 3898.00  | 9.00        | 98.74       | 3840.67   | -151.08     | 603.93      | 622.53   | 3.13             | -3.00              | -5.41             | MWD ISCWSA     |
| 3931.00  | 7.46        | 98.13       | 3873.32   | -151.78     | 608.60      | 627.23   | 4.67             | -4.67              | -1.85             | MWD ISCWSA     |
| 3963.00  | 5.65        | 99.47       | 3905.11   | -152.33     | 612.21      | 630.87   | 5.68             | -5.66              | 4.19              | MWD ISCWSA     |
| 4014.00  | 5.65        | 99.47       | 3955.87   | -153.16     | 617.16      | 635.88   | 0.00             | 0.00               | 0.00              | MWD ISCWSA     |
| 4039.25  | 5.40        | 99.47       | 3981.00   | -153.56     | 619.56      | 638.30   | 1.00             | -1.00              | 0.00              | cliff house-6N |
| 4415.02  | 1.62        | 99.47       | 4356.00   | -157.34     | 642.24      | 661.23   | 1.00             | -1.00              | 0.00              | MENELEE        |
| 4515.04  | 0.62        | 99.47       | 4456.00   | -157.66     | 644.17      | 663.18   | 1.00             | -1.00              | 0.00              | CSG PT.        |
| 4521.70  | 0.55        | 99.47       | 4462.66   | -157.67     | 644.24      | 663.25   | 1.00             | -1.00              | 0.00              | 7"             |
| 4576.50  | 0.00        | 0.00        | 4517.46   | -157.72     | 644.49      | 663.51   | 1.00             | -1.00              | 0.00              | INC+TREND      |
| 4924.04  | 0.00        | 0.00        | 4865.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | POINT LOOKOUT  |
| 5315.04  | 0.00        | 0.00        | 5256.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | MANCOS         |
| 6901.04  | 0.00        | 0.00        | 6842.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | GREENHORN      |
| 6963.04  | 0.00        | 0.00        | 6904.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | GRANEROS       |
| 7012.04  | 0.00        | 0.00        | 6953.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | TWO WELLS      |
| 7084.04  | 0.00        | 0.00        | 7025.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | PAGUATE        |
| 7143.04  | 0.00        | 0.00        | 7084.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | CUBERO         |
| 7165.04  | 0.00        | 0.00        | 7106.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | L. CUBERO      |
| 7199.04  | 0.00        | 0.00        | 7140.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | ENCINAL CYN    |
| 7282.04  | 0.00        | 0.00        | 7223.00   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | PBHL-6N        |
| 7290.00  | 0.00        | 0.00        | 7230.96   | -157.72     | 644.49      | 663.51   | 0.00             | 0.00               | 0.00              | 5 1/2"         |

### Targets

| Name                  | Description<br>Dip. Dir. | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | Map<br>Northing<br>ft | Map<br>Easting<br>ft | ← Latitude →<br>Deg Min Sec |    |         | ← Longitude →<br>Deg Min Sec |    |          |
|-----------------------|--------------------------|-----------|-------------|-------------|-----------------------|----------------------|-----------------------------|----|---------|------------------------------|----|----------|
| cliff house-6N        |                          | 3981.00   | -151.92     | 639.16      | 2104728.52            | 2695486.50           | 36                          | 47 | 2.551 N | 107                          | 55 | 39.437 W |
| CSG PT.               |                          | 4456.00   | -167.78     | 705.92      | 2104712.66            | 2695553.25           | 36                          | 47 | 2.395 N | 107                          | 55 | 38.616 W |
| PBHL-6N               |                          | 7223.00   | -170.00     | 715.00      | 2104710.44            | 2695562.33           | 36                          | 47 | 2.373 N | 107                          | 55 | 38.505 W |
| -Circle (Radius: 100) |                          |           |             |             |                       |                      |                             |    |         |                              |    |          |

### Casing Points

| MD<br>ft | TVD<br>ft | Diameter<br>in | Hole Size<br>in | Name   |
|----------|-----------|----------------|-----------------|--------|
| 200.00   | 200.00    | 9.625          | 13.500          | 9 5/8" |
| 4521.70  | 4462.66   | 7.000          | 8.750           | 7"     |
| 7290.00  | 7230.96   | 5.500          | 6.000           | 5 1/2" |

### Formations

| MD<br>ft | TVD<br>ft | Formations      | Lithology | Dip Angle<br>deg | Dip Direction<br>deg |
|----------|-----------|-----------------|-----------|------------------|----------------------|
| 1238.72  | 1226.00   | OJO ALAMO       |           | 0.00             | 0.00                 |
| 1368.07  | 1353.00   | KIRTLAND        |           | 0.00             | 0.00                 |
| 2005.32  | 1977.00   | FRUITLAND       |           | 0.00             | 0.00                 |
| 2343.38  | 2309.00   | FRUITLAND COAL  |           | 0.00             | 0.00                 |
| 2592.43  | 2554.00   | PICTURED CLIFFS |           | 0.00             | 0.00                 |
| 2834.62  | 2792.00   | LEWIS           |           | 0.00             | 0.00                 |
| 4039.25  | 3981.00   | CLIFF HOUSE     |           | 0.00             | 0.00                 |
| 4415.02  | 4356.00   | MENELEE         |           | 0.00             | 0.00                 |
| 4924.04  | 4865.00   | POINT LOOKOUT   |           | 0.00             | 0.00                 |
| 5315.04  | 5256.00   | MANCOS          |           | 0.00             | 0.00                 |
| 6901.04  | 6842.00   | GREENHORN       |           | 0.00             | 0.00                 |
| 6963.04  | 6904.00   | GRANEROS        |           | 0.00             | 0.00                 |
| 7012.04  | 6953.00   | TWO WELLS       |           | 0.00             | 0.00                 |
| 7084.04  | 7025.00   | PAGUATE         |           | 0.00             | 0.00                 |
| 7143.04  | 7084.00   | CUBERO          |           | 0.00             | 0.00                 |
| 7165.04  | 7106.00   | L. CUBERO       |           | 0.00             | 0.00                 |



# Scientific Drilling Survey Report



|           |                      |                            |                                 |       |          |       |            |
|-----------|----------------------|----------------------------|---------------------------------|-------|----------|-------|------------|
| Company:  | BP                   | Date:                      | 4/7/2006                        | Time: | 14:37:15 | Page: | 4          |
| Field:    | SAN JUAN, New Mexico | Co-ordinate(NE) Reference: | Well: Sellers LS 6N, Grid North |       |          |       |            |
| Site:     | SEC 30-T30N-R10W     | Vertical (TVD) Reference:  | AGL=6107'+KB=14' 6121.0         |       |          |       |            |
| Well:     | Sellers LS 6N        | Section (VS) Reference:    | Well (0.00N,0.00E,103.75Azi)    |       |          |       |            |
| Wellpath: | ACTUAL               | Survey Calculation Method: | Minimum Curvature               |       |          |       | Db: Sybase |

## Formations

| MD<br>ft | TVD<br>ft | Formations  | Lithology | Dip Angle<br>deg | Dip Direction<br>deg |
|----------|-----------|-------------|-----------|------------------|----------------------|
| 7199.04  | 7140.00   | ENCINAL CYN |           | 0.00             | 0.00                 |

## Annotation

| MD<br>ft | TVD<br>ft |                 |
|----------|-----------|-----------------|
| 7290.00  | 7230.96   | projected to TD |