

30-039-27261

#227F

Surface  
BHL2210 / N 745 / E  
2159 / N 1148 / EDir Survey due  
to High deviationConocoPhillips  
San Juan 28-7 227F  
Rio Arriba County, New Mexico  
1/20/2006

SEE BOTTOM FOR BHL INFO

Per  
Farmington,  
this column  
J is Azimuth

| Depth | TVD     | Vert Sec. | Incl. | Azimuth | N/S    | E/W     | DL / 100 | Distance | Depth               |
|-------|---------|-----------|-------|---------|--------|---------|----------|----------|---------------------|
| 100   | 100     | -0.04     | 0.5   | 94.7    | -0.04  | 0.43    | 0.5      | 0.44     | 94.97               |
| 200   | 200     | -0.3      | 0.5   | 238.69  | -0.3   | 0.5     | 0.95     | 0.58     | 121.34              |
| 300   | 299.99  | -0.25     | 0.5   | 309.55  | -0.25  | -0.21   | 0.58     | 0.33     | 220.24              |
| 400   | 399.99  | -0.19     | 0.75  | 250.4   | -0.19  | -1.17   | 0.65     | 1.18     | 260.6               |
| 500   | 499.98  | -0.62     | 1     | 256.26  | -0.62  | -2.63   | 0.27     | 2.7      | 256.74              |
| 600   | 599.95  | -1.25     | 1.5   | 251.12  | -1.25  | -4.72   | 0.51     | 4.88     | 255.15              |
| 700   | 699.9   | -2.38     | 2.25  | 248.97  | -2.38  | -7.79   | 0.75     | 8.14     | 253.01              |
| 800   | 799.79  | -4.24     | 3     | 243.82  | -4.24  | -11.97  | 0.79     | 12.7     | 250.5               |
| 900   | 899.63  | -6.5      | 3.5   | 248.66  | -6.5   | -17.16  | 0.57     | 18.35    | 249.24              |
| 1000  | 999.43  | -8.7      | 3.75  | 250.51  | -8.7   | -23.08  | 0.28     | 24.67    | 249.34              |
| 1100  | 1099.22 | -10.6     | 3.75  | 255.8   | -10.6  | -29.34  | 0.35     | 31.19    | 250.14              |
| 1200  | 1199.01 | -11.82    | 3.75  | 262.66  | -11.82 | -35.75  | 0.45     | 37.65    | 251.71              |
| 1300  | 1298.78 | -12.87    | 4     | 259.51  | -12.87 | -42.42  | 0.33     | 44.33    | 253.12              |
| 1400  | 1398.5  | -14.3     | 4.5   | 258.35  | -14.3  | -49.7   | 0.51     | 51.71    | 253.95              |
| 1500  | 1498.16 | -15.81    | 5     | 263.19  | -15.81 | -57.87  | 0.64     | 59.93    | 254.91              |
| 1600  | 1597.7  | -16.21    | 6     | 269     | -16.21 | -67.42  | 1.14     | 69.34    | 256.48              |
| 1700  | 1697    | -16.22    | 7.5   | 270.77  | -16.22 | -79.17  | 1.51     | 80.81    | 258.42              |
| 1800  | 1796.17 | -15.95    | 7.25  | 271.65  | -15.95 | -92     | 0.27     | 93.38    | 260.17              |
| 1900  | 1895.35 | -15.6     | 7.5   | 271.49  | -15.6  | -104.83 | 0.25     | 105.99   | 261.54              |
| 2000  | 1994.43 | -15.02    | 8     | 273.33  | -15.02 | -118.31 | 0.56     | 119.26   | 262.76              |
| 2100  | 2093.52 | -14.01    | 7.5   | 275.35  | -14.01 | -131.75 | 0.57     | 132.49   | 263.93              |
| 2200  | 2192.64 | -12.43    | 7.75  | 278.33  | -12.43 | -144.92 | 0.47     | 145.45   | 265.1               |
| 2300  | 2291.66 | -10.17    | 8.25  | 280.29  | -10.17 | -158.65 | 0.57     | 158.98   | 266.33              |
| 2400  | 2390.63 | -7.24     | 8.25  | 283.29  | -7.24  | -172.69 | 0.43     | 172.84   | 267.6               |
| 2500  | 2489.5  | -3.53     | 9     | 285.25  | -3.53  | -187.22 | 0.81     | 187.25   | 268.92              |
| 2600  | 2588.2  | 0.83      | 9.5   | 286.21  | 0.83   | -202.69 | 0.52     | 202.73   | 270.24              |
| 2700  | 2686.75 | 5.55      | 10    | 286.17  | 5.55   | -218.96 | 0.5      | 219.03   | 271.45              |
| 2800  | 2785.23 | 10.82     | 10    | 289.18  | 10.82  | -235.5  | 0.52     | 235.74   | 272.63              |
| 2900  | 2883.75 | 16.32     | 9.75  | 288.17  | 16.32  | -251.74 | 0.3      | 252.27   | 273.71              |
| 3000  | 2982.27 | 21.95     | 10    | 290.16  | 21.95  | -267.94 | 0.42     | 268.84   | 274.68              |
| 3100  | 3080.86 | 27.7      | 9.25  | 290.08  | 27.7   | -283.64 | 0.75     | 284.99   | 275.58              |
| 3200  | 3179.66 | 33.12     | 8.5   | 291.11  | 33.12  | -298.08 | 0.77     | 299.92   | 276.34              |
| 3300  | 3278.53 | 38.01     | 8.75  | 287.04  | 38.01  | -312.25 | 0.66     | 314.55   | 276.94              |
| 3400  | 3377.4  | 42.53     | 8.5   | 288.05  | 42.53  | -326.55 | 0.29     | 329.3    | 277.42              |
| 3500  | 3476.17 | 46.95     | 9.5   | 284.95  | 46.95  | -341.55 | 1.11     | 344.76   | 277.83              |
| 3600  | 3575    | 50.65     | 8     | 283.01  | 50.65  | -356.3  | 1.53     | 359.88   | 278.09              |
| 3700  | 3674.25 | 53.31     | 6     | 282.09  | 53.31  | -368.19 | 2        | 372.03   | 278.24              |
| 3800  | 3773.93 | 54.95     | 3     | 282.17  | 54.95  | -375.86 | 3        | 379.86   | 278.32              |
| 3900  | 3873.85 | 55.76     | 1.5   | 281.18  | 55.76  | -379.7  | 1.5      | 383.78   | 278.35              |
| 4000  | 3973.83 | 56.2      | 1     | 282.11  | 56.2   | -381.84 | 0.5      | 385.96   | 278.37              |
| 4100  | 4073.81 | 56.43     | 1     | 273.05  | 56.43  | -383.57 | 0.16     | 387.69   | 278.37              |
| 4200  | 4173.8  | 56.64     | 0.75  | 284.98  | 56.64  | -385.07 | 0.31     | 389.22   | 278.37              |
| 4300  | 4273.79 | 56.75     | 0.75  | 284.92  | 56.75  | -386.35 | 0.26     | 390.5    | 278.36              |
| 4400  | 4373.79 | 56.26     | 0.75  | 227.85  | 56.26  | -387.49 | 0.48     | 391.55   | 278.26              |
| 4500  | 4473.78 | 55.7      | 0.5   | 254.79  | 55.7   | -388.4  | 0.38     | 392.37   | 278.16              |
| 4600  | 4573.78 | 55.59     | 0.5   | 270.72  | 55.59  | -389.25 | 0.14     | 393.2    | 278.13              |
| 4700  | 4673.77 | 55.62     | 0.5   | 272.66  | 55.62  | -390.13 | 0.02     | 394.07   | 278.11              |
| 4800  | 4773.77 | 55.78     | 0.25  | 311.59  | 55.78  | -390.73 | 0.34     | 394.69   | 278.13              |
| 4900  | 4873.77 | 56.14     | 0.25  | 350.53  | 56.14  | -390.92 | 0.17     | 394.94   | 278.17              |
| 5000  | 4973.77 | 56.47     | 0.5   | 284.46  | 56.47  | -391.38 | 0.46     | 395.44   | 278.21              |
| 5100  | 5073.77 | 56.39     | 0.25  | 148     | 56.39  | -391.69 | 0.7      | 395.73   | 278.19              |
| 5200  | 5173.77 | 56.21     | 0     | 0       | 56.21  | -391.57 | 0.25     | 395.59   | 278.17              |
| 5300  | 5273.77 | 56.09     | 0.25  | 235.87  | 56.09  | -391.75 | 0.25     | 395.75   | 278.15              |
| 5400  | 5373.77 | 55.78     | 0.25  | 212.8   | 55.78  | -392.05 | 0.1      | 396      | 278.1               |
| 5500  | 5473.76 | 55.22     | 0.5   | 210.74  | 55.22  | -392.39 | 0.25     | 396.26   | 278.01              |
| 5600  | 5573.76 | 54.31     | 0.75  | 215.67  | 54.31  | -393    | 0.26     | 396.74   | 277.87              |
| 5700  | 5673.75 | 53.36     | 0.75  | 229.6   | 53.36  | -393.88 | 0.18     | 397.48   | 277.71              |
| 5800  | 5773.74 | 52.77     | 0.5   | 248.54  | 52.77  | -394.78 | 0.32     | 398.3    | 277.61              |
| 5900  | 5873.74 | 52.01     | 0.75  | 203.48  | 52.01  | -395.45 | 0.53     | 398.86   | 277.49              |
| 6000  | 5973.73 | 51.21     | 0.5   | 241.38  | 51.21  | -396.09 | 0.47     | 399.39   | 277.37              |
| 6100  | 6073.73 | 50.97     | 0.25  | 262.27  | 50.97  | -396.69 | 0.28     | 399.96   | 277.32              |
| 6200  | 6173.73 | 50.82     | 0.25  | 238.15  | 50.82  | -397.1  | 0.1      | 400.34   | 277.29              |
| 6300  | 6273.73 | 50.92     | 0.25  | 347.04  | 50.92  | -397.33 | 0.41     | 400.58   | 277.3               |
| 6400  | 6373.73 | 50.97     | 0.25  | 220.92  | 50.97  | -397.52 | 0.45     | 400.77   | 277.31              |
| 6500  | 6473.73 | 50.82     | 0.5   | 271.8   | 50.82  | -398.1  | 0.39     | 401.33   | 277.27              |
| 6600  | 6573.72 | 50.86     | 0.25  | 278.69  | 50.86  | -398.75 | 0.25     | 401.98   | 277.27              |
| 6700  | 6673.72 | 50.68     | 0.25  | 176.57  | 50.68  | -398.95 | 0.39     | 402.16   | 277.24              |
| 6800  | 6773.72 | 50.47     | 0.25  | 272.46  | 50.47  | -399.16 | 0.37     | 402.34   | 277.21              |
| 6900  | 6873.72 | 50.33     | 0.25  | 228.34  | 50.33  | -399.54 | 0.19     | 402.7    | 277.18              |
| 7000  | 6973.72 | 50.22     | 0.25  | 278.23  | 50.22  | -399.92 | 0.21     | 403.06   | 277.16              |
| 7100  | 7073.72 | 50.34     | 0.25  | 292.42  | 50.34  | -400.34 | 0.06     | 403.49   | 277.17              |
| 7200  | 7173.72 | 50.4      | 0.25  | 265.3   | 50.4   | -400.76 | 0.12     | 403.91   | 277.17              |
| 7300  | 7273.72 | 50.54     | 0.25  | 317.18  | 50.54  | -401.12 | 0.22     | 404.29   | 277.18              |
| 7400  | 7373.72 | 50.63     | 0.5   | 260.07  | 50.63  | -401.7  | 0.42     | 404.88   | 277.18              |
| 7500  | 7473.71 | 50.38     | 0.25  | 215.84  | 50.38  | -402.26 | 0.37     | 405.4    | 277.14              |
| 7600  | 7573.71 | 50.5      | 0.5   | 313.61  | 50.5   | -402.7  | 0.59     | 405.85   | 277.15              |
| 7700  | 7673.71 | 51.14     | 0.5   | 321.38  | 51.14  | -403.29 | 0.07     | 406.52   | 277.23 <<<Last Line |

Surface Location  
2210 FNL  
745 FEL

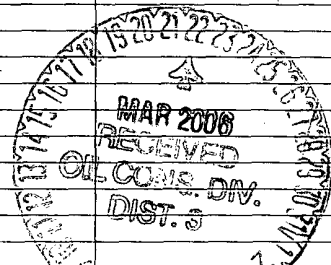
BHL

2159 FNL (BHL is 51.14' north of the surface location - a lesser distance FNL)  
1148 FEL (BHL is 403.29' west of the surface location - a greater distance FEL)BHL is 406.52' from surface location - almost due west. Per Farmington, Column J is Azimuth (final is 277.23 degrees).  
This is still a standard location within Unit Ltr. H.

COP Deviation Report  
SAN JUAN 28-7 UNIT 227F

|                                             |                                           |                                     |                         |                              |
|---------------------------------------------|-------------------------------------------|-------------------------------------|-------------------------|------------------------------|
| Operator<br>CONOCOPHILLIPS CO               | Legal WellName<br>SAN JUAN 28-7 UNIT 227F | API/Bottom Hole UWI<br>300392726100 | County<br>Rio Arriba    | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>NMPM-28N-07W-36-N | N/S Dist (ft)<br>2,210.00                 | N/S Ref<br>N                        | E/W Dist (ft)<br>745.00 | E/W Ref<br>E                 |

| Survey Data |           |          |        |                |
|-------------|-----------|----------|--------|----------------|
| Date        | MD (ftKB) | Incl (°) | Method | Survey Company |
|             | 0.00      | 0.00     |        |                |
|             | 0.00      | 0.00     |        |                |
|             | 100.00    | 0.50     |        |                |
|             | 200.00    | 0.50     |        |                |
| 1/9/2006    | 212.00    | 1.00     | Incl   | TOTCO          |
|             | 300.00    | 0.50     |        |                |
|             | 400.00    | 0.75     |        |                |
|             | 500.00    | 1.00     |        |                |
|             | 600.00    | 1.50     |        |                |
|             | 700.00    | 2.25     |        |                |
| 1/10/2006   | 726.00    | 2.00     | Incl   | TELEDIFT       |
|             | 800.00    | 3.00     |        |                |
|             | 900.00    | 3.50     |        |                |
|             | 1,000.00  | 3.75     |        |                |
|             | 1,100.00  | 3.75     |        |                |
|             | 1,200.00  | 3.75     |        |                |
| 1/10/2006   | 1,224.00  | 3.00     | Incl   | TELEDIFT       |
|             | 1,300.00  | 4.00     |        |                |
|             | 1,400.00  | 4.50     |        |                |
|             | 1,500.00  | 5.00     |        |                |
|             | 1,600.00  | 6.00     |        |                |
|             | 1,700.00  | 7.50     |        |                |
| 1/10/2006   | 1,725.00  | 5.00     | Incl   | TELEDIFT       |
|             | 1,800.00  | 7.25     |        |                |
|             | 1,900.00  | 7.50     |        |                |
|             | 2,000.00  | 8.00     |        |                |
|             | 2,100.00  | 7.50     |        |                |
|             | 2,200.00  | 7.75     |        |                |
| 1/10/2006   | 2,224.00  | 6.00     | Incl   | TELEDIFT       |
|             | 2,300.00  | 8.25     |        |                |
|             | 2,400.00  | 8.25     |        |                |
|             | 2,500.00  | 9.00     |        |                |
|             | 2,600.00  | 9.50     |        |                |
|             | 2,700.00  | 10.00    |        |                |
| 1/10/2006   | 2,721.00  | 6.00     | Incl   | TELEDIFT       |
|             | 2,800.00  | 10.00    |        |                |
|             | 2,900.00  | 9.75     |        |                |
|             | 3,000.00  | 10.00    |        |                |
|             | 3,100.00  | 9.25     |        |                |
|             | 3,200.00  | 8.50     |        |                |
| 1/11/2006   | 3,220.00  | 6.00     | Incl   | TELEDIFT       |
|             | 3,300.00  | 8.75     |        |                |
|             | 3,400.00  | 8.50     |        |                |
|             | 3,500.00  | 9.50     |        |                |
| 1/11/2006   | 3,502.00  | 6.00     | Incl   | TELEDIFT       |
|             | 3,600.00  | 8.00     |        |                |
|             | 3,700.00  | 6.00     |        |                |
|             | 3,800.00  | 3.00     |        |                |
|             | 3,900.00  | 1.50     |        |                |
|             | 4,000.00  | 1.00     |        |                |
|             | 4,100.00  | 1.00     |        |                |
|             | 4,200.00  | 0.75     |        |                |
|             | 4,300.00  | 0.75     |        |                |
|             | 4,400.00  | 0.75     |        |                |
|             | 4,500.00  | 0.50     |        |                |
|             | 4,600.00  | 0.50     |        |                |
|             | 4,700.00  | 0.50     |        |                |
|             | 4,800.00  | 0.25     |        |                |
|             | 4,900.00  | 0.25     |        |                |
|             | 5,000.00  | 0.50     |        |                |
|             | 5,100.00  | 0.25     |        |                |
|             | 5,200.00  | 0.00     |        |                |
|             | 5,300.00  | 0.25     |        |                |
|             | 5,400.00  | 0.25     |        |                |
|             | 5,500.00  | 0.50     |        |                |
|             | 5,600.00  | 0.75     |        |                |
|             | 5,700.00  | 0.75     |        |                |
|             | 5,800.00  | 0.50     |        |                |
|             | 5,900.00  | 0.75     |        |                |
|             | 6,000.00  | 0.50     |        |                |
|             | 6,100.00  | 0.25     |        |                |
|             | 6,200.00  | 0.25     |        |                |
|             | 6,300.00  | 0.25     |        |                |
|             | 6,400.00  | 0.25     |        |                |
|             | 6,500.00  | 0.50     |        |                |



Survey Data

| Date      | MD (RKB) | Incl (") | Method | Survey Company |
|-----------|----------|----------|--------|----------------|
|           | 6,600.00 | 0.25     |        |                |
|           | 6,700.00 | 0.25     |        |                |
|           | 6,800.00 | 0.25     |        |                |
|           | 6,900.00 | 0.25     |        |                |
|           | 7,000.00 | 0.25     |        |                |
|           | 7,100.00 | 0.25     |        |                |
|           | 7,200.00 | 0.25     |        |                |
|           | 7,300.00 | 0.25     |        |                |
|           | 7,400.00 | 0.50     |        |                |
|           | 7,500.00 | 0.25     |        |                |
|           | 7,600.00 | 0.50     |        |                |
|           | 7,700.00 | 0.50     |        |                |
| 1/15/2006 | 7,720.00 | 1.00     | Incl   | TOTCO          |

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Michael P. Neuschaefer

Subscribed and sworn to me this 9 March 2006

Beverly D. Wander

Notary Public in and for Harris County, Texas

