



**Oxy USA**

Lea County, NM  
North Hobbs G/SA Unit  
NHU 25-676

Wellbore #1  
Surveys

44828

HOBBS OCD  
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## Anticollision Report

05 November, 2018





# Microsoft Anticollision Report



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at</b>         | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

|                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| <b>Reference</b>                    | Surveys                                                             |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |
| <b>Interpolation Method:</b>        | Stations                                                            |
| <b>Depth Range:</b>                 | 0.00 to 4,641.00usft                                                |
| <b>Results Limited by:</b>          | Maximum center-center distance of 2,000.00 us                       |
| <b>Warning Levels Evaluated at:</b> | 2.80 Sigma                                                          |
| <b>Error Model:</b>                 | ISCWSA                                                              |
| <b>Scan Method:</b>                 | Closest Approach 3D                                                 |
| <b>Error Surface:</b>               | Combined Pedal Curve                                                |
| <b>Casing Method:</b>               | Not applied                                                         |

| Survey Program |              | Date                        | 11/05/18          |                                                |  |
|----------------|--------------|-----------------------------|-------------------|------------------------------------------------|--|
| From<br>(usft) | To<br>(usft) | Survey (Wellbore)           | Tool Name         | Description                                    |  |
| 13.50          | 1,509.60     | Gyrodata Gyro (Wellbore #1) | GYD_G003_GC+DROP+ | Gyrodata Stationary Tool drop on BHA on open h |  |
| 1,639.00       | 4,641.00     | Scout MWD (Wellbore #1)     | B001Mb_MWD+HRGM   | OWSG MWD + HRGM                                |  |

| Summary                                             |                                 |                              |                                 |                                  |                   |            |
|-----------------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|------------|
| Site Name                                           | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning    |
| Offset Well - Wellbore - Design                     |                                 |                              |                                 |                                  |                   |            |
| North Hobbs G/SA Unit                               |                                 |                              |                                 |                                  |                   |            |
| NHSAU 211-25 (Offset) - Wellbore #1 - Surveys Blind | 3,893.12                        | 3,554.10                     | 157.87                          | 32.54                            | 1.260             | L3 MOC, CC |
| NHSAU 211-25 (Offset) - Wellbore #1 - Surveys Blind | 4,400.00                        | 4,058.83                     | 166.86                          | 23.66                            | 1.165             | L3 MOC, ES |
| NHSAU 211-25 (Offset) - Wellbore #1 - Surveys Blind | 4,641.00                        | 4,298.91                     | 175.80                          | 24.10                            | 1.159             | L3 MOC, SF |
| NHSAU 241-24 (Offset) - Wellbore #1 - Surveys Blind | 4,641.00                        | 4,602.91                     | 486.80                          | 324.51                           | 3.000             | CC, ES, SF |
| NHSAU 311-25 (Offset) - Wellbore #1 - Surveys Blind | 4,317.84                        | 4,283.98                     | 690.31                          | 539.37                           | 4.574             | CC, ES, SF |
| NHSAU 341-24 (Offset) - Wellbore #1 - Surveys Blind | 4,641.00                        | 4,600.91                     | 809.98                          | 647.86                           | 4.996             | CC, ES, SF |
| NHSAU 685-24 (Offset) - Wellbore #1 - Surveys Blind | 4,641.00                        | 4,620.91                     | 989.70                          | 968.97                           | 47.760            | CC, ES, SF |

| Offset Design                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | North Hobbs G/SA Unit - NHSAU 211-25 (Offset) - Wellbore #1 - Surveys Blind |         | Offset Site Error: |  | 0.00 usft |  |
|------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-----------------------------------------------------------------------------|---------|--------------------|--|-----------|--|
| Survey Program: 4287-OXY_IO35Ua_INC-ONLY |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                                                                             |         | Offset Well Error: |  | 0.00 usft |  |
| Reference                                |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                                                                             |         |                    |  |           |  |
| Measured Depth (usft)                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor                                                           | Warning |                    |  |           |  |
| 0.00                                     | 0.00                  | 316.80                | 0.00                  | 0.00             | 11.11         | 91.87                 | -11.72                              | 358.30       | 358.49                 |                         |                           |                                                                             |         |                    |  |           |  |
| 13.50                                    | 13.50                 | 303.30                | 13.50                 | 0.00             | 10.63         | 91.87                 | -11.72                              | 358.30       | 358.49                 | 347.86                  | 10.63                     | 33.709                                                                      |         |                    |  |           |  |
| 84.65                                    | 84.65                 | 232.15                | 84.65                 | 0.15             | 8.14          | -173.32               | -11.72                              | 358.30       | 358.98                 | 350.84                  | 8.14                      | 44.093                                                                      |         |                    |  |           |  |
| 237.74                                   | 237.72                | 79.08                 | 237.72                | 0.46             | 2.77          | -133.49               | -11.72                              | 358.30       | 360.73                 | 357.92                  | 2.81                      | 128.346                                                                     |         |                    |  |           |  |
| 417.73                                   | 417.70                | 100.90                | 417.70                | 0.83             | 3.54          | -132.39               | -11.72                              | 358.30       | 362.08                 | 358.44                  | 3.63                      | 99.684                                                                      |         |                    |  |           |  |
| 604.41                                   | 604.38                | 287.58                | 604.38                | 1.21             | 10.08         | -95.77                | -11.72                              | 358.30       | 362.70                 | 352.55                  | 10.15                     | 35.723                                                                      |         |                    |  |           |  |
| 788.60                                   | 788.57                | 471.77                | 788.57                | 1.57             | 16.54         | -22.30                | -11.72                              | 358.30       | 362.06                 | 345.44                  | 16.61                     | 21.795                                                                      |         |                    |  |           |  |
| 973.74                                   | 973.70                | 656.90                | 973.70                | 1.91             | 23.03         | 4.11                  | -11.72                              | 358.30       | 360.40                 | 337.29                  | 23.11                     | 15.596                                                                      |         |                    |  |           |  |
| 1,164.73                                 | 1,164.67              | 847.87                | 1,164.67              | 2.27             | 29.73         | 22.77                 | -11.72                              | 358.30       | 357.99                 | 328.18                  | 29.81                     | 12.008                                                                      |         |                    |  |           |  |
| 1,337.14                                 | 1,337.06              | 1,020.26              | 1,337.06              | 2.61             | 35.77         | 12.35                 | -11.72                              | 358.30       | 355.29                 | 319.43                  | 35.87                     | 9.906                                                                       |         |                    |  |           |  |
| 1,509.60                                 | 1,509.49              | 1,192.69              | 1,509.49              | 2.95             | 41.82         | 10.54                 | -11.72                              | 358.30       | 352.09                 | 310.17                  | 41.92                     | 8.399                                                                       |         |                    |  |           |  |
| 1,639.00                                 | 1,638.86              | 1,322.06              | 1,638.86              | 3.10             | 46.36         | 14.82                 | -11.72                              | 358.30       | 349.55                 | 303.09                  | 46.46                     | 7.524                                                                       |         |                    |  |           |  |
| 1,812.00                                 | 1,811.35              | 1,494.55              | 1,811.35              | 3.31             | 52.40         | 19.56                 | -11.72                              | 358.30       | 337.99                 | 285.48                  | 52.51                     | 6.437                                                                       |         |                    |  |           |  |
| 1,984.00                                 | 1,981.86              | 1,665.06              | 1,981.86              | 3.76             | 58.38         | 23.35                 | -11.72                              | 358.30       | 316.97                 | 258.47                  | 58.50                     | 5.418                                                                       |         |                    |  |           |  |
| 2,157.00                                 | 2,152.80              | 1,836.00              | 2,152.80              | 4.40             | 64.38         | 34.65                 | -11.72                              | 358.30       | 293.75                 | 229.23                  | 64.52                     | 4.553                                                                       |         |                    |  |           |  |
| 2,330.00                                 | 2,323.43              | 2,006.63              | 2,323.43              | 5.18             | 70.36         | 38.13                 | -11.72                              | 358.30       | 270.65                 | 200.12                  | 70.54                     | 3.837                                                                       |         |                    |  |           |  |
| 2,502.00                                 | 2,493.18              | 2,176.38              | 2,493.18              | 6.01             | 76.31         | 41.57                 | -11.72                              | 358.30       | 249.24                 | 172.71                  | 76.53                     | 3.257                                                                       |         |                    |  |           |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Microsoft Anticollision Report



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at</b>         | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

| Offset Design North Hobbs G/SA Unit - NHSAU 211-25 (Offset) - Wellbore #1 - Surveys Blind |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                         | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------------|--------------------|-----------|
| Survey Program: 4287-OXY_IO35Ua_INC-ONLY                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                         | Offset Well Error: | 0.00 usft |
| Reference                                                                                 |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                         | Warning            |           |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor       |                    |           |
| 2,675.00                                                                                  | 2,663.98              | 2,347.18              | 2,663.98              | 6.90             | 82.30         | 45.02                 | -11.72                              | 358.30       | 229.05                 | 146.49                  | 82.57                     | 2.774                   |                    |           |
| 2,847.00                                                                                  | 2,833.95              | 2,517.15              | 2,833.95              | 7.80             | 88.26         | 50.80                 | -11.72                              | 358.30       | 211.30                 | 122.72                  | 88.58                     | 2.385                   |                    |           |
| 3,019.00                                                                                  | 3,004.24              | 2,687.44              | 3,004.24              | 8.71             | 94.23         | 58.17                 | -11.72                              | 358.30       | 197.12                 | 102.51                  | 94.61                     | 2.084                   |                    |           |
| 3,192.00                                                                                  | 3,175.36              | 2,858.56              | 3,175.36              | 9.64             | 100.23        | 57.59                 | -11.72                              | 358.30       | 183.36                 | 82.69                   | 100.67                    | 1.821 AC-SVY Procedures |                    |           |
| 3,365.00                                                                                  | 3,346.50              | 3,029.70              | 3,346.50              | 10.58            | 106.23        | 67.02                 | -11.72                              | 358.30       | 171.46                 | 64.71                   | 106.74                    | 1.606 AC-SVY Procedures |                    |           |
| 3,537.00                                                                                  | 3,517.00              | 3,200.20              | 3,517.00              | 11.51            | 112.21        | 73.12                 | -11.72                              | 358.30       | 163.65                 | 50.86                   | 112.79                    | 1.451 L3 MOC            |                    |           |
| 3,709.00                                                                                  | 3,687.75              | 3,370.95              | 3,687.75              | 12.42            | 118.19        | 82.28                 | -11.72                              | 358.30       | 159.18                 | 40.34                   | 118.84                    | 1.339 L3 MOC            |                    |           |
| 3,882.00                                                                                  | 3,859.83              | 3,543.03              | 3,859.83              | 13.31            | 124.23        | 89.46                 | -11.72                              | 358.30       | 157.88                 | 32.94                   | 124.94                    | 1.264 L3 MOC            |                    |           |
| 3,893.12                                                                                  | 3,870.90              | 3,554.10              | 3,870.90              | 13.37            | 124.62        | 90.00                 | -11.72                              | 358.30       | 157.87                 | 32.54                   | 125.33                    | 1.260 L3 MOC, CC        |                    |           |
| 4,055.00                                                                                  | 4,032.01              | 3,715.21              | 4,032.01              | 14.20            | 130.27        | 97.78                 | -11.72                              | 358.30       | 158.95                 | 27.91                   | 131.04                    | 1.213 L3 MOC            |                    |           |
| 4,227.00                                                                                  | 4,203.28              | 3,886.48              | 4,203.28              | 15.08            | 136.27        | 105.23                | -11.72                              | 358.30       | 162.10                 | 25.00                   | 137.10                    | 1.182 L3 MOC            |                    |           |
| 4,400.00                                                                                  | 4,375.63              | 4,058.83              | 4,375.63              | 15.96            | 142.31        | 111.66                | -11.72                              | 358.30       | 166.86                 | 23.66                   | 143.20                    | 1.165 L3 MOC, ES        |                    |           |
| 4,572.00                                                                                  | 4,546.98              | 4,230.18              | 4,546.98              | 16.84            | 148.32        | 116.59                | -11.72                              | 358.30       | 172.99                 | 23.73                   | 149.26                    | 1.159 L3 MOC            |                    |           |
| 4,641.00                                                                                  | 4,615.71              | 4,298.91              | 4,615.71              | 17.20            | 150.73        | 118.35                | -11.72                              | 358.30       | 175.80                 | 24.10                   | 151.70                    | 1.159 L3 MOC, SF        |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



**Microsoft**  
**Anticollision Report**



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at</b>         | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

| Offset Design North Hobbs G/SA Unit - NHSAU 241-24 (Offset) - Wellbore #1 - Surveys Blind |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|
| Survey Program: 4294-OXY_IO35Ua_INC-ONLY                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |
| Reference                                                                                 | Offset                | Semi Major Axis       |                       | Distance         |               |                       |                                     |              |                        |                         |                           |                   |                              |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                      |
| 0.00                                                                                      | 0.00                  | 12.80                 | 0.00                  | 0.00             | 0.45          | 28.16                 | 650.42                              | 348.18       | 737.75                 |                         |                           |                   |                              |
| 13.50                                                                                     | 13.50                 | 0.70                  | 13.50                 | 0.00             | 0.02          | 28.16                 | 650.42                              | 348.18       | 737.75                 | 737.72                  | 0.02                      | N/A               |                              |
| 84.65                                                                                     | 84.65                 | 71.85                 | 84.65                 | 0.15             | 2.52          | 123.01                | 650.42                              | 348.18       | 738.02                 | 735.49                  | 2.52                      | 292.474           |                              |
| 237.74                                                                                    | 237.72                | 224.92                | 237.72                | 0.46             | 7.89          | 163.06                | 650.42                              | 348.18       | 739.55                 | 731.65                  | 7.90                      | 93.620            |                              |
| 417.73                                                                                    | 417.70                | 404.90                | 417.70                | 0.83             | 14.20         | 164.44                | 650.42                              | 348.18       | 741.44                 | 727.22                  | 14.22                     | 52.138            |                              |
| 604.41                                                                                    | 604.38                | 591.58                | 604.38                | 1.21             | 20.74         | -158.76               | 650.42                              | 348.18       | 742.76                 | 721.98                  | 20.78                     | 35.748            |                              |
| 788.60                                                                                    | 788.57                | 775.77                | 788.57                | 1.57             | 27.20         | -85.23                | 650.42                              | 348.18       | 743.19                 | 715.95                  | 27.25                     | 27.277            |                              |
| 973.74                                                                                    | 973.70                | 960.90                | 973.70                | 1.91             | 33.69         | -58.90                | 650.42                              | 348.18       | 742.64                 | 708.89                  | 33.75                     | 22.007            |                              |
| 1,164.73                                                                                  | 1,164.67              | 1,151.87              | 1,164.67              | 2.27             | 40.39         | -40.50                | 650.42                              | 348.18       | 740.95                 | 700.50                  | 40.45                     | 18.317            |                              |
| 1,337.14                                                                                  | 1,337.06              | 1,324.26              | 1,337.06              | 2.61             | 46.43         | -51.22                | 650.42                              | 348.18       | 738.98                 | 692.48                  | 46.50                     | 15.891            |                              |
| 1,509.60                                                                                  | 1,509.49              | 1,496.69              | 1,509.49              | 2.95             | 52.48         | -53.33                | 650.42                              | 348.18       | 736.99                 | 684.43                  | 52.56                     | 14.022            |                              |
| 1,639.00                                                                                  | 1,638.86              | 1,626.06              | 1,638.86              | 3.10             | 57.01         | -49.31                | 650.42                              | 348.18       | 735.36                 | 678.27                  | 57.10                     | 12.879            |                              |
| 1,812.00                                                                                  | 1,811.35              | 1,798.55              | 1,811.35              | 3.31             | 63.06         | -46.25                | 650.42                              | 348.18       | 726.93                 | 663.78                  | 63.15                     | 11.511            |                              |
| 1,984.00                                                                                  | 1,981.86              | 1,969.06              | 1,981.86              | 3.76             | 69.04         | -45.32                | 650.42                              | 348.18       | 711.10                 | 641.95                  | 69.14                     | 10.285            |                              |
| 2,157.00                                                                                  | 2,152.80              | 2,140.00              | 2,152.80              | 4.40             | 75.03         | -38.14                | 650.42                              | 348.18       | 691.05                 | 615.89                  | 75.16                     | 9.194             |                              |
| 2,330.00                                                                                  | 2,323.43              | 2,310.63              | 2,323.43              | 5.18             | 81.02         | -39.54                | 650.42                              | 348.18       | 668.70                 | 587.52                  | 81.18                     | 8.238             |                              |
| 2,502.00                                                                                  | 2,493.18              | 2,480.38              | 2,493.18              | 6.01             | 86.97         | -41.53                | 650.42                              | 348.18       | 647.51                 | 560.34                  | 87.17                     | 7.428             |                              |
| 2,675.00                                                                                  | 2,663.98              | 2,651.18              | 2,663.98              | 6.90             | 92.96         | -44.25                | 650.42                              | 348.18       | 627.20                 | 534.00                  | 93.20                     | 6.730             |                              |
| 2,847.00                                                                                  | 2,833.95              | 2,821.15              | 2,833.95              | 7.80             | 98.92         | -45.11                | 650.42                              | 348.18       | 608.41                 | 509.20                  | 99.21                     | 6.133             |                              |
| 3,019.00                                                                                  | 3,004.24              | 2,991.44              | 3,004.24              | 8.71             | 104.89        | -44.76                | 650.42                              | 348.18       | 591.20                 | 485.97                  | 105.23                    | 5.618             |                              |
| 3,192.00                                                                                  | 3,175.36              | 3,162.56              | 3,175.36              | 9.64             | 110.89        | -53.86                | 650.42                              | 348.18       | 574.62                 | 463.34                  | 111.28                    | 5.164             |                              |
| 3,365.00                                                                                  | 3,346.50              | 3,333.70              | 3,346.50              | 10.58            | 116.89        | -53.42                | 650.42                              | 348.18       | 559.59                 | 442.24                  | 117.34                    | 4.769             |                              |
| 3,537.00                                                                                  | 3,517.00              | 3,504.20              | 3,517.00              | 11.51            | 122.87        | -56.48                | 650.42                              | 348.18       | 546.48                 | 423.10                  | 123.38                    | 4.429             |                              |
| 3,709.00                                                                                  | 3,687.75              | 3,674.95              | 3,687.75              | 12.42            | 128.85        | -56.11                | 650.42                              | 348.18       | 535.02                 | 405.59                  | 129.43                    | 4.134             |                              |
| 3,882.00                                                                                  | 3,859.83              | 3,847.03              | 3,859.83              | 13.31            | 134.89        | -56.89                | 650.42                              | 348.18       | 525.15                 | 389.63                  | 135.52                    | 3.875             |                              |
| 4,055.00                                                                                  | 4,032.01              | 4,019.21              | 4,032.01              | 14.20            | 140.92        | -56.15                | 650.42                              | 348.18       | 515.83                 | 374.21                  | 141.62                    | 3.642             |                              |
| 4,227.00                                                                                  | 4,203.28              | 4,190.48              | 4,203.28              | 15.08            | 146.93        | -55.66                | 650.42                              | 348.18       | 506.95                 | 359.27                  | 147.68                    | 3.433             |                              |
| 4,400.00                                                                                  | 4,375.63              | 4,362.83              | 4,375.63              | 15.96            | 152.97        | -55.56                | 650.42                              | 348.18       | 498.47                 | 344.69                  | 153.78                    | 3.241             |                              |
| 4,572.00                                                                                  | 4,546.98              | 4,534.18              | 4,546.98              | 16.84            | 158.98        | -56.65                | 650.42                              | 348.18       | 490.12                 | 330.27                  | 159.85                    | 3.066             |                              |
| 4,641.00                                                                                  | 4,615.71              | 4,602.91              | 4,615.71              | 17.20            | 161.39        | -57.25                | 650.42                              | 348.18       | 486.80                 | 324.51                  | 162.28                    | 3.000 CC, ES, SF  |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Microsoft Anticollision Report



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at</b>         | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

| Offset Design North Hobbs G/SA Unit - NHSAU 311-25 (Offset) - Wellbore #1 - Surveys Blind |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 3932-OXY_IO35Ua_INC-ONLY                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                                 | Offset                | Semi Major Axis       |                       | Distance         |               | Warning               |                                     |              |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                                                      | 0.00                  | 9.80                  | 0.00                  | 0.00             | 0.34          | 90.28                 | -4.94                               | 994.95       | 994.96                 |                         |                           |                   |                    |           |
| 13.50                                                                                     | 13.50                 | 3.70                  | 13.50                 | 0.00             | 0.13          | 90.28                 | -4.94                               | 994.95       | 994.96                 | 994.83                  | 0.13                      | 7.652.853         |                    |           |
| 84.65                                                                                     | 84.65                 | 74.85                 | 84.65                 | 0.15             | 2.62          | -174.90               | -4.94                               | 994.95       | 995.45                 | 992.82                  | 2.63                      | 378.693           |                    |           |
| 237.74                                                                                    | 237.72                | 227.92                | 237.72                | 0.46             | 7.99          | -134.98               | -4.94                               | 994.95       | 997.22                 | 989.21                  | 8.01                      | 124.572           |                    |           |
| 417.73                                                                                    | 417.70                | 407.90                | 417.70                | 0.83             | 14.30         | -133.73               | -4.94                               | 994.95       | 998.60                 | 984.28                  | 14.33                     | 69.705            |                    |           |
| 604.41                                                                                    | 604.38                | 594.58                | 604.38                | 1.21             | 20.85         | -97.00                | -4.94                               | 994.95       | 999.25                 | 978.37                  | 20.88                     | 47.853            |                    |           |
| 788.60                                                                                    | 788.57                | 778.77                | 788.57                | 1.57             | 27.31         | -23.45                | -4.94                               | 994.95       | 998.62                 | 971.28                  | 27.35                     | 36.514            |                    |           |
| 973.74                                                                                    | 973.70                | 963.90                | 973.70                | 1.91             | 33.80         | 2.99                  | -4.94                               | 994.95       | 996.98                 | 963.13                  | 33.85                     | 29.453            |                    |           |
| 1,164.73                                                                                  | 1,164.67              | 1,154.87              | 1,164.67              | 2.27             | 40.49         | 21.58                 | -4.94                               | 994.95       | 994.55                 | 954.00                  | 40.56                     | 24.523            |                    |           |
| 1,337.14                                                                                  | 1,337.06              | 1,327.26              | 1,337.06              | 2.61             | 46.54         | 11.06                 | -4.94                               | 994.95       | 991.83                 | 945.22                  | 46.61                     | 21.280            |                    |           |
| 1,509.60                                                                                  | 1,509.49              | 1,499.69              | 1,509.49              | 2.95             | 52.58         | 9.18                  | -4.94                               | 994.95       | 988.62                 | 935.95                  | 52.67                     | 18.772            |                    |           |
| 1,639.00                                                                                  | 1,638.86              | 1,629.06              | 1,638.86              | 3.10             | 57.12         | 13.39                 | -4.94                               | 994.95       | 986.06                 | 928.86                  | 57.20                     | 17.238            |                    |           |
| 1,812.00                                                                                  | 1,811.35              | 1,801.55              | 1,811.35              | 3.31             | 63.17         | 17.68                 | -4.94                               | 994.95       | 974.39                 | 911.14                  | 63.25                     | 15.404            |                    |           |
| 1,984.00                                                                                  | 1,981.86              | 1,972.06              | 1,981.86              | 3.76             | 69.15         | 20.46                 | -4.94                               | 994.95       | 953.06                 | 883.81                  | 69.25                     | 13.763            |                    |           |
| 2,157.00                                                                                  | 2,152.80              | 2,143.00              | 2,152.80              | 4.40             | 75.14         | 30.03                 | -4.94                               | 994.95       | 929.05                 | 853.78                  | 75.26                     | 12.344            |                    |           |
| 2,330.00                                                                                  | 2,323.43              | 2,313.63              | 2,323.43              | 5.18             | 81.12         | 30.99                 | -4.94                               | 994.95       | 904.37                 | 823.10                  | 81.28                     | 11.127            |                    |           |
| 2,502.00                                                                                  | 2,493.18              | 2,483.38              | 2,493.18              | 6.01             | 87.07         | 31.46                 | -4.94                               | 994.95       | 880.58                 | 793.32                  | 87.26                     | 10.091            |                    |           |
| 2,675.00                                                                                  | 2,663.98              | 2,654.18              | 2,663.98              | 6.90             | 93.06         | 31.34                 | -4.94                               | 994.95       | 856.98                 | 763.69                  | 93.29                     | 9.186             |                    |           |
| 2,847.00                                                                                  | 2,833.95              | 2,824.15              | 2,833.95              | 7.80             | 99.02         | 33.03                 | -4.94                               | 994.95       | 834.66                 | 735.36                  | 99.30                     | 8.406             |                    |           |
| 3,019.00                                                                                  | 3,004.24              | 2,994.44              | 3,004.24              | 8.71             | 104.99        | 35.87                 | -4.94                               | 994.95       | 814.63                 | 709.31                  | 105.31                    | 7.735             |                    |           |
| 3,192.00                                                                                  | 3,175.36              | 3,165.56              | 3,175.36              | 9.64             | 110.99        | 29.78                 | -4.94                               | 994.95       | 793.13                 | 681.77                  | 111.36                    | 7.122             |                    |           |
| 3,365.00                                                                                  | 3,346.50              | 3,336.70              | 3,346.50              | 10.58            | 116.99        | 33.03                 | -4.94                               | 994.95       | 771.49                 | 654.07                  | 117.42                    | 6.571             |                    |           |
| 3,537.00                                                                                  | 3,517.00              | 3,507.20              | 3,517.00              | 11.51            | 122.97        | 32.80                 | -4.94                               | 994.95       | 752.39                 | 628.95                  | 123.45                    | 6.095             |                    |           |
| 3,709.00                                                                                  | 3,687.75              | 3,677.95              | 3,687.75              | 12.42            | 128.96        | 35.73                 | -4.94                               | 994.95       | 735.31                 | 605.82                  | 129.49                    | 5.679             |                    |           |
| 3,882.00                                                                                  | 3,859.83              | 3,850.03              | 3,859.83              | 13.31            | 134.99        | 37.33                 | -4.94                               | 994.95       | 720.95                 | 585.37                  | 135.58                    | 5.318             |                    |           |
| 4,055.00                                                                                  | 4,032.01              | 4,022.21              | 4,032.01              | 14.20            | 141.03        | 40.46                 | -4.94                               | 994.95       | 707.82                 | 566.15                  | 141.67                    | 4.996             |                    |           |
| 4,227.00                                                                                  | 4,203.28              | 4,193.48              | 4,203.28              | 15.08            | 147.03        | 43.22                 | -4.94                               | 994.95       | 696.01                 | 548.28                  | 147.73                    | 4.711             |                    |           |
| 4,317.84                                                                                  | 4,293.78              | 4,283.98              | 4,293.78              | 15.55            | 150.21        | 44.45                 | -4.94                               | 994.95       | 690.31                 | 539.37                  | 150.93                    | 4.574 CC, ES, SF  |                    |           |
| 4,400.00                                                                                  | 4,375.63              | 3,932.00              | 3,941.80              | 15.96            | 137.87        | 43.44                 | -4.94                               | 994.95       | 811.07                 | 692.91                  | 118.16                    | 6.864             |                    |           |
| 4,572.00                                                                                  | 4,546.98              | 3,932.00              | 3,941.80              | 16.84            | 137.87        | 43.72                 | -4.94                               | 994.95       | 906.52                 | 801.48                  | 105.04                    | 8.631             |                    |           |
| 4,641.00                                                                                  | 4,615.71              | 3,932.00              | 3,941.80              | 17.20            | 137.87        | 43.72                 | -4.94                               | 994.95       | 950.85                 | 850.89                  | 99.96                     | 9.513             |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# Microsoft Anticollision Report



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at</b>         | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

| Offset Design North Hobbs G/SA Unit - NHSAU 341-24 (Offset) - Wellbore #1 - Surveys Blind |                       |                       |                       |                  |               |                       |                                     |              |                           |                   |         |                  | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|---------------------------|-------------------|---------|------------------|--------------------|-----------|
| Survey Program: 4500-OXY_JO35UA_INC-ONLY                                                  |                       |                       |                       |                  |               |                       |                                     |              |                           |                   |         |                  | Offset Well Error: | 0.00 usft |
| Reference                                                                                 |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Distance                            |              | Minimum Separation (usft) | Separation Factor | Warning |                  |                    |           |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) |                           |                   |         |                  |                    |           |
| 0.00                                                                                      | 0.00                  | 14.80                 | 0.00                  | 0.00             | 0.52          | 56.36                 | 657.23                              | 987.88       | 1,186.54                  |                   |         |                  |                    |           |
| 13.50                                                                                     | 13.50                 | 1.30                  | 13.50                 | 0.00             | 0.05          | 56.36                 | 657.23                              | 987.88       | 1,186.54                  | 1,186.49          | 0.05    | N/A              |                    |           |
| 84.65                                                                                     | 84.65                 | 69.85                 | 84.65                 | 0.15             | 2.45          | 151.19                | 657.23                              | 987.88       | 1,186.97                  | 1,184.52          | 2.45    | 483.800          |                    |           |
| 237.74                                                                                    | 237.72                | 222.92                | 237.72                | 0.46             | 7.82          | -168.83               | 657.23                              | 987.88       | 1,188.88                  | 1,181.05          | 7.83    | 151.837          |                    |           |
| 417.73                                                                                    | 417.70                | 402.90                | 417.70                | 0.83             | 14.13         | -167.52               | 657.23                              | 987.88       | 1,190.82                  | 1,176.66          | 14.15   | 84.147           |                    |           |
| 604.41                                                                                    | 604.38                | 589.58                | 604.38                | 1.21             | 20.67         | -130.75               | 657.23                              | 987.88       | 1,191.99                  | 1,171.29          | 20.71   | 57.562           |                    |           |
| 788.60                                                                                    | 788.57                | 773.77                | 788.57                | 1.57             | 27.13         | -57.20                | 657.23                              | 987.88       | 1,191.93                  | 1,164.76          | 27.18   | 43.861           |                    |           |
| 973.74                                                                                    | 973.70                | 958.90                | 973.70                | 1.91             | 33.62         | -30.80                | 657.23                              | 987.88       | 1,190.70                  | 1,157.03          | 33.68   | 35.358           |                    |           |
| 1,164.73                                                                                  | 1,164.67              | 1,149.87              | 1,164.67              | 2.27             | 40.32         | -12.29                | 657.23                              | 987.88       | 1,188.34                  | 1,147.96          | 40.38   | 29.428           |                    |           |
| 1,337.14                                                                                  | 1,337.06              | 1,322.26              | 1,337.06              | 2.61             | 46.36         | -22.89                | 657.23                              | 987.88       | 1,185.64                  | 1,139.21          | 46.43   | 25.534           |                    |           |
| 1,509.60                                                                                  | 1,509.49              | 1,494.69              | 1,509.49              | 2.95             | 52.41         | -24.87                | 657.23                              | 987.88       | 1,182.66                  | 1,130.17          | 52.49   | 22.531           |                    |           |
| 1,639.00                                                                                  | 1,638.86              | 1,624.06              | 1,638.86              | 3.10             | 56.94         | -20.74                | 657.23                              | 987.88       | 1,180.26                  | 1,123.23          | 57.03   | 20.697           |                    |           |
| 1,812.00                                                                                  | 1,811.35              | 1,796.55              | 1,811.35              | 3.31             | 62.99         | -17.07                | 657.23                              | 987.88       | 1,168.62                  | 1,105.54          | 63.08   | 18.527           |                    |           |
| 1,984.00                                                                                  | 1,981.86              | 1,967.06              | 1,981.86              | 3.76             | 68.97         | -15.12                | 657.23                              | 987.88       | 1,146.92                  | 1,077.85          | 69.07   | 16.605           |                    |           |
| 2,157.00                                                                                  | 2,152.80              | 2,138.00              | 2,152.80              | 4.40             | 74.96         | -6.60                 | 657.23                              | 987.88       | 1,120.78                  | 1,045.70          | 75.09   | 14.926           |                    |           |
| 2,330.00                                                                                  | 2,323.43              | 2,308.63              | 2,323.43              | 5.18             | 80.95         | -6.69                 | 657.23                              | 987.88       | 1,092.43                  | 1,011.33          | 81.10   | 13.470           |                    |           |
| 2,502.00                                                                                  | 2,493.18              | 2,478.38              | 2,493.18              | 6.01             | 86.90         | -7.31                 | 657.23                              | 987.88       | 1,064.91                  | 977.83            | 87.09   | 12.228           |                    |           |
| 2,675.00                                                                                  | 2,663.98              | 2,649.18              | 2,663.98              | 6.90             | 92.89         | -8.58                 | 657.23                              | 987.88       | 1,037.62                  | 944.50            | 93.11   | 11.144           |                    |           |
| 2,847.00                                                                                  | 2,833.95              | 2,819.15              | 2,833.95              | 7.80             | 98.85         | -7.98                 | 657.23                              | 987.88       | 1,011.60                  | 912.49            | 99.11   | 10.206           |                    |           |
| 3,019.00                                                                                  | 3,004.24              | 2,989.44              | 3,004.24              | 8.71             | 104.82        | -6.19                 | 657.23                              | 987.88       | 987.58                    | 882.45            | 105.13  | 9.394            |                    |           |
| 3,192.00                                                                                  | 3,175.36              | 3,160.56              | 3,175.36              | 9.64             | 110.82        | -13.68                | 657.23                              | 987.88       | 962.56                    | 851.38            | 111.18  | 8.658            |                    |           |
| 3,365.00                                                                                  | 3,346.50              | 3,331.70              | 3,346.50              | 10.58            | 116.82        | -11.56                | 657.23                              | 987.88       | 937.92                    | 820.69            | 117.23  | 8.001            |                    |           |
| 3,537.00                                                                                  | 3,517.00              | 3,502.20              | 3,517.00              | 11.51            | 122.80        | -13.02                | 657.23                              | 987.88       | 915.74                    | 792.49            | 123.25  | 7.430            |                    |           |
| 3,709.00                                                                                  | 3,687.75              | 3,672.95              | 3,687.75              | 12.42            | 128.78        | -11.14                | 657.23                              | 987.88       | 895.60                    | 766.30            | 129.29  | 6.927            |                    |           |
| 3,882.00                                                                                  | 3,859.83              | 3,845.03              | 3,859.83              | 13.31            | 134.82        | -10.54                | 657.23                              | 987.88       | 878.09                    | 742.71            | 135.38  | 6.486            |                    |           |
| 4,055.00                                                                                  | 4,032.01              | 4,017.21              | 4,032.01              | 14.20            | 140.85        | -8.43                 | 657.23                              | 987.88       | 861.48                    | 720.01            | 141.47  | 6.090            |                    |           |
| 4,227.00                                                                                  | 4,203.28              | 4,188.48              | 4,203.28              | 15.08            | 146.86        | -6.63                 | 657.23                              | 987.88       | 845.81                    | 698.28            | 147.53  | 5.733            |                    |           |
| 4,400.00                                                                                  | 4,375.63              | 4,360.83              | 4,375.63              | 15.96            | 152.90        | -5.23                 | 657.23                              | 987.88       | 830.92                    | 677.29            | 153.62  | 5.409            |                    |           |
| 4,572.00                                                                                  | 4,546.98              | 4,532.18              | 4,546.98              | 16.84            | 158.91        | -4.97                 | 657.23                              | 987.88       | 816.03                    | 656.34            | 159.69  | 5.110            |                    |           |
| 4,641.00                                                                                  | 4,615.71              | 4,600.91              | 4,615.71              | 17.20            | 161.32        | -5.01                 | 657.23                              | 987.88       | 809.98                    | 647.86            | 162.12  | 4.996 CC, ES, SF |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Microsoft Anticollision Report



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at</b>         | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

| Offset Design North Hobbs G/SA Unit - NHSAU 685-24 (Offset) - Wellbore #1 - Surveys Blind |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 5068-B001Mb_MWVD+HRGM                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                                 | Offset                | Semi Major Axis       |                       | Distance         |               |                       |                                     |              |                        |                         |                           |                   |                    | Warning   |
| Measured Depth (usft)                                                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                                                      | 0.00                  | 5.20                  | 0.00                  | 0.00             | 0.01          | -6.41                 | 1,038.65                            | -116.73      | 1,045.19               |                         |                           |                   |                    |           |
| 13.50                                                                                     | 13.50                 | 18.70                 | 13.50                 | 0.00             | 0.05          | -6.41                 | 1,038.65                            | -116.73      | 1,045.19               | 1,045.14                | 0.05                      | N/A               |                    |           |
| 84.65                                                                                     | 84.65                 | 89.85                 | 84.65                 | 0.15             | 0.23          | 88.43                 | 1,038.65                            | -116.73      | 1,045.18               | 1,044.91                | 0.27                      | 3,923.385         |                    |           |
| 91.58                                                                                     | 91.57                 | 96.77                 | 91.57                 | 0.16             | 0.24          | 90.00                 | 1,038.65                            | -116.73      | 1,045.18               | 1,044.89                | 0.29                      | 3,626.707         |                    |           |
| 237.74                                                                                    | 237.72                | 242.92                | 237.72                | 0.46             | 0.61          | 128.49                | 1,038.65                            | -116.73      | 1,045.76               | 1,045.01                | 0.75                      | 1,392.899         |                    |           |
| 417.73                                                                                    | 417.70                | 422.90                | 417.70                | 0.83             | 1.06          | 129.91                | 1,038.65                            | -116.73      | 1,047.01               | 1,045.69                | 1.33                      | 789.846           |                    |           |
| 604.41                                                                                    | 604.38                | 609.58                | 604.38                | 1.21             | 1.53          | 166.75                | 1,038.65                            | -116.73      | 1,048.08               | 1,046.15                | 1.93                      | 544.147           |                    |           |
| 788.60                                                                                    | 788.57                | 793.77                | 788.57                | 1.57             | 1.99          | -119.68               | 1,038.65                            | -116.73      | 1,048.97               | 1,046.45                | 2.52                      | 416.489           |                    |           |
| 973.74                                                                                    | 973.70                | 978.90                | 973.70                | 1.91             | 2.45          | -93.31                | 1,038.65                            | -116.73      | 1,049.40               | 1,046.29                | 3.11                      | 337.788           |                    |           |
| 1,164.73                                                                                  | 1,164.67              | 1,169.87              | 1,164.67              | 2.27             | 2.93          | -74.90                | 1,038.65                            | -116.73      | 1,049.05               | 1,045.34                | 3.71                      | 282.874           |                    |           |
| 1,337.14                                                                                  | 1,337.06              | 1,342.26              | 1,337.06              | 2.61             | 3.36          | -85.61                | 1,038.65                            | -116.73      | 1,048.58               | 1,044.33                | 4.25                      | 246.583           |                    |           |
| 1,509.60                                                                                  | 1,509.49              | 1,514.69              | 1,509.49              | 2.95             | 3.79          | -87.70                | 1,038.65                            | -116.73      | 1,048.39               | 1,043.60                | 4.80                      | 218.492           |                    |           |
| 1,639.00                                                                                  | 1,638.86              | 1,644.06              | 1,638.86              | 3.10             | 4.12          | -83.66                | 1,038.65                            | -116.73      | 1,048.20               | 1,043.06                | 5.14                      | 203.827           |                    |           |
| 1,812.00                                                                                  | 1,811.35              | 1,816.55              | 1,811.35              | 3.31             | 4.55          | -80.43                | 1,038.65                            | -116.73      | 1,046.20               | 1,040.59                | 5.62                      | 186.183           |                    |           |
| 1,984.00                                                                                  | 1,981.86              | 1,987.06              | 1,981.86              | 3.76             | 4.98          | -79.40                | 1,038.65                            | -116.73      | 1,042.19               | 1,035.95                | 6.23                      | 167.176           |                    |           |
| 2,157.00                                                                                  | 2,152.80              | 2,158.00              | 2,152.80              | 4.40             | 5.41          | -72.24                | 1,038.65                            | -116.73      | 1,035.43               | 1,028.47                | 6.97                      | 148.563           |                    |           |
| 2,330.00                                                                                  | 2,323.43              | 2,328.63              | 2,323.43              | 5.18             | 5.83          | -73.65                | 1,038.65                            | -116.73      | 1,026.96               | 1,019.16                | 7.79                      | 131.756           |                    |           |
| 2,502.00                                                                                  | 2,493.18              | 2,498.38              | 2,493.18              | 6.01             | 6.26          | -75.56                | 1,038.65                            | -116.73      | 1,019.51               | 1,010.83                | 8.67                      | 117.544           |                    |           |
| 2,675.00                                                                                  | 2,663.98              | 2,669.18              | 2,663.98              | 6.90             | 6.69          | -78.09                | 1,038.65                            | -116.73      | 1,013.15               | 1,003.55                | 9.60                      | 105.516           |                    |           |
| 2,847.00                                                                                  | 2,833.95              | 2,839.15              | 2,833.95              | 7.80             | 7.11          | -78.73                | 1,038.65                            | -116.73      | 1,007.81               | 997.26                  | 10.55                     | 95.511            |                    |           |
| 3,019.00                                                                                  | 3,004.24              | 3,009.44              | 3,004.24              | 8.71             | 7.54          | -78.13                | 1,038.65                            | -116.73      | 1,002.93               | 991.42                  | 11.51                     | 87.120            |                    |           |
| 3,192.00                                                                                  | 3,175.36              | 3,180.56              | 3,175.36              | 9.64             | 7.97          | -86.63                | 1,038.65                            | -116.73      | 999.66                 | 987.16                  | 12.50                     | 79.951            |                    |           |
| 3,365.00                                                                                  | 3,346.50              | 3,351.70              | 3,346.50              | 10.58            | 8.40          | -85.69                | 1,038.65                            | -116.73      | 998.00                 | 984.49                  | 13.51                     | 73.882            |                    |           |
| 3,537.00                                                                                  | 3,517.00              | 3,522.20              | 3,517.00              | 11.51            | 8.82          | -88.12                | 1,038.65                            | -116.73      | 996.77                 | 982.27                  | 14.50                     | 68.742            |                    |           |
| 3,709.00                                                                                  | 3,687.75              | 3,692.95              | 3,687.75              | 12.42            | 9.25          | -87.20                | 1,038.65                            | -116.73      | 995.96                 | 980.47                  | 15.48                     | 64.318            |                    |           |
| 3,882.00                                                                                  | 3,859.83              | 3,865.03              | 3,859.83              | 13.31            | 9.68          | -87.42                | 1,038.65                            | -116.73      | 995.12                 | 978.66                  | 16.46                     | 60.454            |                    |           |
| 4,055.00                                                                                  | 4,032.01              | 4,037.21              | 4,032.01              | 14.20            | 10.11         | -86.11                | 1,038.65                            | -116.73      | 994.17                 | 976.73                  | 17.43                     | 57.023            |                    |           |
| 4,227.00                                                                                  | 4,203.28              | 4,208.48              | 4,203.28              | 15.08            | 10.54         | -85.09                | 1,038.65                            | -116.73      | 992.96                 | 974.56                  | 18.40                     | 53.966            |                    |           |
| 4,400.00                                                                                  | 4,375.63              | 4,380.83              | 4,375.63              | 15.96            | 10.97         | -84.45                | 1,038.65                            | -116.73      | 991.60                 | 972.23                  | 19.37                     | 51.198            |                    |           |
| 4,572.00                                                                                  | 4,546.98              | 4,552.18              | 4,546.98              | 16.84            | 11.40         | -84.96                | 1,038.65                            | -116.73      | 990.21                 | 969.88                  | 20.33                     | 48.698            |                    |           |
| 4,641.00                                                                                  | 4,615.71              | 4,620.91              | 4,615.71              | 17.20            | 11.57         | -85.31                | 1,038.65                            | -116.73      | 989.70                 | 968.97                  | 20.72                     | 47.760 CC, ES, SF |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



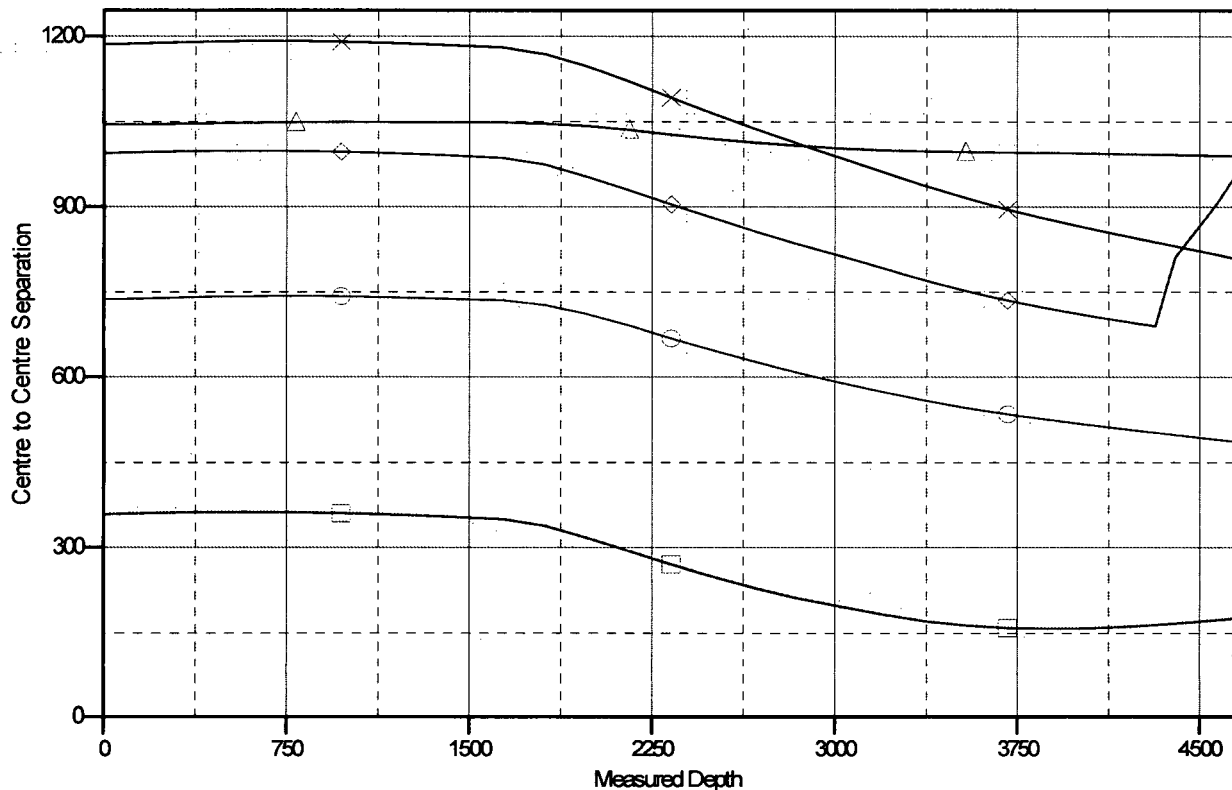
Microsoft  
Anticollision Report



|                           |                       |                                     |                                                   |
|---------------------------|-----------------------|-------------------------------------|---------------------------------------------------|
| <b>Company:</b>           | Oxy USA               | <b>Local Co-ordinate Reference:</b> | Well NHU 25-676                                   |
| <b>Project:</b>           | Lea County, NM        | <b>TVD Reference:</b>               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Reference Site:</b>    | North Hobbs G/SA Unit | <b>MD Reference:</b>                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| <b>Site Error:</b>        | 0.00 usft             | <b>North Reference:</b>             | Grid                                              |
| <b>Reference Well:</b>    | NHU 25-676            | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Well Error:</b>        | 0.00 usft             | <b>Output errors are at:</b>        | 2.80 sigma                                        |
| <b>Reference Wellbore</b> | Wellbore #1           | <b>Database:</b>                    | EDM 5000.14 Single User Db                        |
| <b>Reference Design:</b>  | Surveys               | <b>Offset TVD Reference:</b>        | Reference Datum                                   |

Reference Depths are relative to GL 3668.3' + 13.5' KB @ 3681.80usft Coordinates are relative to: NHU 25-676  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.61°

### Ladder Plot



#### LEGEND

NHSAU 211-25 (Offset), Wellbore #1, Surveys Blind V0    NHSAU 311-25 (Offset), Wellbore #1, Surveys Blind V0    NHSAU 695-24 (Offset), Wellbore #1, Surveys Blind V0  
 NHSAU 341-24 (Offset), Wellbore #1, Surveys Blind V0



Microsoft  
Anticollision Report



|                    |                       |                              |                                                   |
|--------------------|-----------------------|------------------------------|---------------------------------------------------|
| Company:           | Oxy USA               | Local Co-ordinate Reference: | Well NHU 25-676                                   |
| Project:           | Lea County, NM        | TVD Reference:               | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| Reference Site:    | North Hobbs G/SA Unit | MD Reference:                | GL 3668.3' + 13.5' KB @ 3681.80usft (Savanna 417) |
| Site Error:        | 0.00 usft             | North Reference:             | Grid                                              |
| Reference Well:    | NHU 25-676            | Survey Calculation Method:   | Minimum Curvature                                 |
| Well Error:        | 0.00 usft             | Output errors are at         | 2.80 sigma                                        |
| Reference Wellbore | Wellbore #1           | Database:                    | EDM 5000.14 Single User Db                        |
| Reference Design:  | Surveys               | Offset TVD Reference:        | Reference Datum                                   |

Reference Depths are relative to GL 3668.3' + 13.5' KB @ 3681.80usft Coordinates are relative to: NHU 25-676

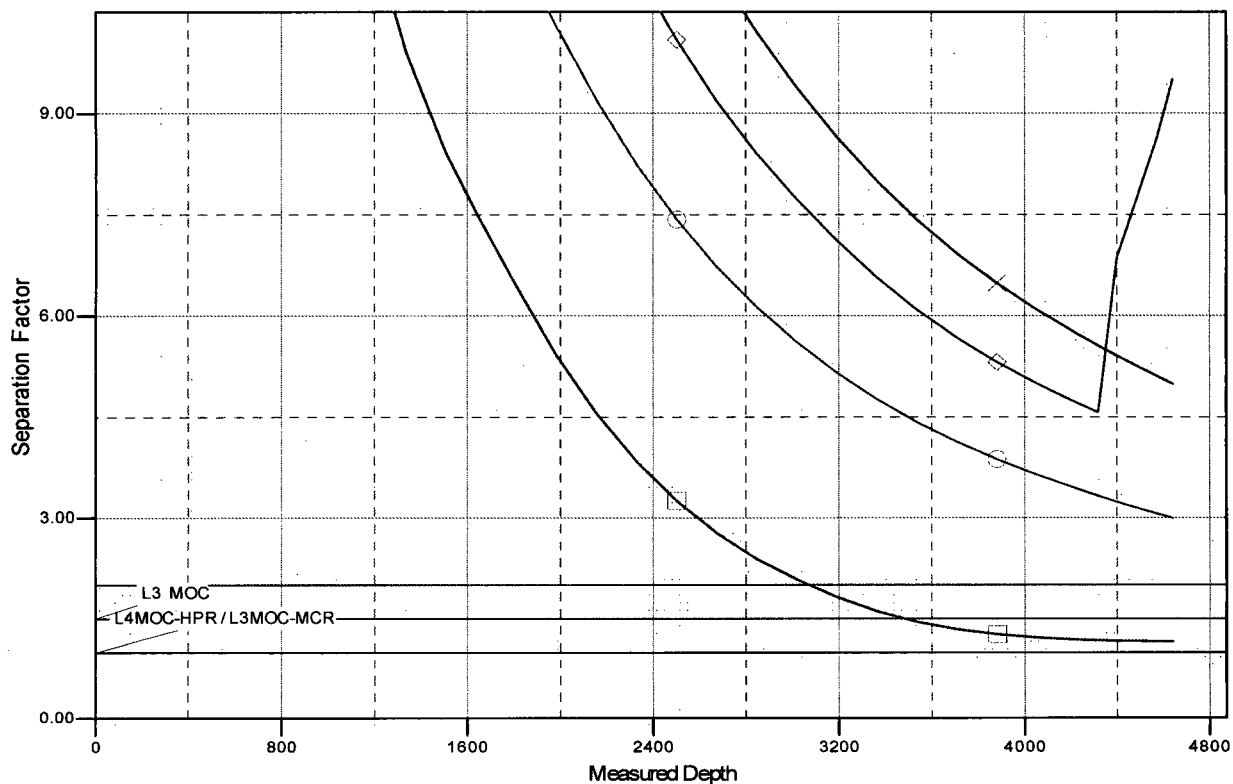
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Central Meridian is 104° 20' 0.000 W

Grid Convergence at Surface is: 0.61°

## Separation Factor Plot



### LEGEND

— NHSAU 211-25 (Offset), Wellbore #1, Surveys Blind VO — NHSAU 311-25 (Offset), Wellbore #1, Surveys Blind VO — NHSAU 685-24 (Offset), Wellbore #1, Surveys Blind VO  
— NHSAU 341-24 (Offset), Wellbore #1, Surveys Blind VO