

# OCCIDENTAL PERMIAN LTD.

Lost Tank Delaware, West  
Eddy County, NM  
Lost Tank 4 Federal #19  
DH - Job #32D0111103



Survey: Actual

## SDI Standard Survey Report

20 March, 2011

SUR: K-4-22s-31e, 2100/S & 2260/W  
BHL: M-4-22s-31e, 314/S & 267/W  
API # 30-015-37896

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

Richard

Notarized this date 21st of March, 2011.

Carrie Reed

Notary Signature  
County of Midland  
State of Texas



**Scientific Drilling**  
Directional Drilling Operations

# Scientific Drilling International, Inc.

## SDI Standard Survey Report



|                  |                          |                                     |                                     |
|------------------|--------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | OCCIDENTAL PERMIAN LTD   | <b>Local Co-ordinate Reference:</b> | Well Lost Tank 4.Federal #19        |
| <b>Project:</b>  | Lost Tank Delaware, West | <b>TVD Reference:</b>               | WELL @ 0 0usft (Original Well Elev) |
| <b>Site:</b>     | Eddy County, NM          | <b>MD Reference:</b>                | WELL @ 0 0usft (Original Well Elev) |
| <b>Well:</b>     | Lost Tank 4 Federal #19  | <b>North Reference:</b>             | Grid:                               |
| <b>Wellbore:</b> | VH - Job #32K0111094     | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | VH - Job #32K0111094     | <b>Database:</b>                    | EDM-Regulatory                      |

|             |                                      |                          |                |
|-------------|--------------------------------------|--------------------------|----------------|
| Project     |                                      | Lost Tank Delaware, West |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum:            | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |                          |                |
| Map Zone:   | New Mexico East 3001                 |                          |                |

|                                       |                                  |                                     |
|---------------------------------------|----------------------------------|-------------------------------------|
| Site: <b>Eddy County, NM</b>          |                                  |                                     |
| <b>Site Position:</b>                 | <b>Northing:</b> 515,232 05 usft | <b>Latitude:</b> 32° 24' 54 705 N   |
| <b>From:</b> Lat/Long                 | <b>Easting:</b> 676,005 63 usft  | <b>Longitude:</b> 103° 45' 46 737 W |
| <b>Position Uncertainty:</b> 0 0 usft | <b>Slot Radius:</b> 13-3/16"     | <b>Grid Convergence:</b> 0 31 °     |

|                                            |       |          |                     |                 |               |                  |
|--------------------------------------------|-------|----------|---------------------|-----------------|---------------|------------------|
| Well: Lost Tank 4.Federal #19, Directional |       |          |                     |                 |               |                  |
| Well Position                              | +N/-S | 0 0 usft | Northing:           | 516,569 65 usft | Latitude:     | 32° 25' 8 271 N  |
|                                            | +E/-W | 0 0 usft | Easting:            | 669,637 89 usft | Longitude:    | 103° 47' 0 939 W |
| Position Uncertainty                       |       | 0 0 usft | Wellhead Elevation: | 16 5 usft       | Ground Level: | 0 0 usft         |

|           |            |                     |                    |                  |                        |
|-----------|------------|---------------------|--------------------|------------------|------------------------|
| Wellbore  |            | VH- Job #32K0111094 |                    |                  |                        |
| Magnetics | Model Name | Sample Date         | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|           | IGRF2010   | 1/30/2011           | 7 75               | 60 34            | 48,774                 |

|                   |                      |        |        |                   |
|-------------------|----------------------|--------|--------|-------------------|
| Design:           | VH - Job #32K0111094 |        |        |                   |
| Audit Notes:      |                      |        |        |                   |
| Version:          | 1 0                  | Phase: | ACTUAL | Tie On Depth: 0 0 |
| Vertical Section: | Depth From (TVD)     | +N/-S  | +E/-W  | Direction         |
|                   | (usft)               | (usft) | (usft) | (°)               |
|                   | 0 0                  | 0 0    | 0 0    | 226 48            |

|                |              |                               |           |                        |
|----------------|--------------|-------------------------------|-----------|------------------------|
| Survey Program |              | Date 3/20/2011                |           |                        |
| From<br>(usft) | To<br>(usft) | Survey (Wellbore)             | Tool Name | Description            |
| 109 1          | 618 6        | Actual (VH - Job #32K0111094) | Keeper    | Keeper Surface Readout |

| Survey                   |                    |                |                        |                       |                     |                        |                            |  |
|--------------------------|--------------------|----------------|------------------------|-----------------------|---------------------|------------------------|----------------------------|--|
| Measured Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | True Vertical<br>Depth | North/South<br>(usft) | East/West<br>(usft) | Closure Azimuth<br>(°) | Closure Distance<br>(usft) |  |
| 0 0                      | 0 00               | 0 00           | 0 0                    | 0 0                   | 0 0                 | 0 00                   | 0 0                        |  |
| 109 1                    | 0 19               | 91 43          | 109 1                  | 0 0                   | 0 2                 | 91 43                  | 0 2                        |  |
| 169 7                    | 0 30               | 33 78          | 169 7                  | 0 1                   | 0 4                 | 71 33                  | 0 4                        |  |
| 261 0                    | 0 41               | 19 71          | 261 0                  | 0 6                   | 0 6                 | 44 15                  | 0 9                        |  |
| 349 5                    | 0 45               | 12 58          | 349 5                  | 1 3                   | 0 8                 | 32 08                  | 1 5                        |  |
| 438 0                    | 0 52               | 11 27          | 438 0                  | 2 0                   | 0 9                 | 25 37                  | 2 2                        |  |
| 528 5                    | 0 55               | 5 90           | 528 5                  | 2 8                   | 1 1                 | 20 74                  | 3 0                        |  |
| 618.6                    | 0 58               | 1 18           | 618.6                  | 3 7                   | 1 1                 | 16.86                  | 3 9                        |  |

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## SDI Standard Survey Report



|           |                          |                              |                                     |
|-----------|--------------------------|------------------------------|-------------------------------------|
| Company:  | OCCIDENTAL PERMIAN LTD   | Local Co-ordinate Reference: | Well Lost Tank 4 Federal #19        |
| Project:  | Lost Tank Delaware, West | TVD Reference:               | WELL @ 0 0usft (Original Well Elev) |
| Site:     | Eddy County, NM          | MD Reference:                | WELL @ 0 0usft (Original Well Elev) |
| Well:     | Lost Tank 4 Federal #19  | North Reference:             | Grid                                |
| Wellbore: | DH - job #32D0111103     | Survey Calculation Method:   | Minimum Curvature                   |
| Design:   | DH - job #32D0111103     | Database:                    | EDM-Regulatory                      |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project:    | Lost Tank Delaware, West             |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico East 3001                 |               |                |

|                       |                 |                   |                   |
|-----------------------|-----------------|-------------------|-------------------|
| Site:                 | Eddy County, NM |                   |                   |
| Site Position:        |                 | Northing:         | 515,232 05 usft   |
| From:                 | Lat/Long        | Easting:          | 676,005 63 usft   |
| Position Uncertainty: | 0 0 usft        | Slot Radius:      | 13-3/16"          |
|                       |                 | Latitude:         | 32° 24' 54 705 N  |
|                       |                 | Longitude:        | 103° 45' 46 737 W |
|                       |                 | Grid Convergence: | 0 31 °            |

|                      |                                      |                     |                  |
|----------------------|--------------------------------------|---------------------|------------------|
| Well:                | Lost Tank 4 Federal #19, Directional |                     |                  |
| Well Position        | +N/-S                                | 0 0 usft            | Northing:        |
|                      | +E/-W                                | 0 0 usft            | Easting:         |
| Position Uncertainty | 0 0 usft                             | Wellhead Elevation: | 16 5 usft        |
|                      |                                      | Latitude:           | 32° 25' 8 271 N  |
|                      |                                      | Longitude:          | 103° 47' 0 939 W |
|                      |                                      | Ground Level:       | 0 0 usft         |

|           |                      |             |                |
|-----------|----------------------|-------------|----------------|
| Wellbore: | DH - job #32D0111103 |             |                |
| Magnetics | Model Name           | Sample Date | Declination    |
|           | IGRF2010             | 1/31/2011   | 7 75           |
|           |                      |             | Dip Angle      |
|           |                      |             | 60 34          |
|           |                      |             | Field Strength |
|           |                      |             | 48,774         |

|                   |                      |               |           |
|-------------------|----------------------|---------------|-----------|
| Design:           | DH - job #32D0111103 |               |           |
| Audit Notes:      |                      |               |           |
| Version:          | 1 0                  | Phase:        | ACTUAL    |
|                   |                      | Tie On Depth: | 618 6     |
| Vertical Section: | Depth From (TVD)     | +N/-S         | +E/-W     |
|                   | (usft)               | (usft)        | (usft)    |
|                   | 0 0                  | 0 0           | 0 0       |
|                   |                      |               | Direction |
|                   |                      |               | 226 48    |

|                |                |                               |                        |
|----------------|----------------|-------------------------------|------------------------|
| Survey Program | Date 3/20/2011 |                               |                        |
| From           | To             | Survey (Wellbore)             | Tool Name              |
| (usft)         | (usft)         |                               |                        |
| 109 1          | 618 6          | Actual (VH - Job #32K0111094) | Keeper                 |
| 736 0          | 8,864 0        | Actual (DH - job #32D0111103) | MWD                    |
|                |                |                               | Description            |
|                |                |                               | Keeper Surface Readout |
|                |                |                               | MWD                    |

|                |             |         |               |             |           |                 |                  |
|----------------|-------------|---------|---------------|-------------|-----------|-----------------|------------------|
| Survey         |             |         |               |             |           |                 |                  |
| Measured Depth | Inclination | Azimuth | True Vertical | North/South | East/West | Closure Azimuth | Closure Distance |
| (usft)         | (°)         | (°)     | Depth         | (usft)      | (usft)    | (°)             | (usft)           |
| 618 6          | 0 58        | 1 18    | 618 6         | 3 7         | 1 1       | 16 86           | 3 9              |
| 736 0          | 0 43        | 0 14    | 736 0         | 4 8         | 1 1       | 13 49           | 4 9              |
| 841 0          | 0 36        | 27 53   | 841 0         | 5 4         | 1 3       | 13 38           | 5 6              |
| 976 0          | 0 37        | 350 32  | 976 0         | 6 2         | 1 4       | 12 78           | 6 4              |
| 1,110 0        | 0 87        | 203 85  | 1,110 0       | 5 7         | 0 9       | 9 23            | 5 8              |
| 1,245 0        | 0 95        | 196 19  | 1,245 0       | 3 7         | 0 2       | 3 17            | 3 7              |
| 1,379 0        | 1 21        | 205 55  | 1,378 9       | 1 4         | -0 7      | 332 84          | 1 6              |
| 1,514 0        | 1 35        | 197 96  | 1,513 9       | -1 4        | -1 8      | 232 23          | 2 3              |
| 1,649 0        | 0 88        | 227 02  | 1,648 9       | -3 6        | -3 1      | 220 21          | 4 8              |
| 1,784 0        | 0 60        | 210 44  | 1,783 9       | -4 9        | -4 2      | 220 23          | 6 5              |
| 1,919 0        | 0 91        | 180 90  | 1,918 8       | -6 6        | -4 6      | 214 53          | 8 0              |

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|                  |                          |                                     |                                     |
|------------------|--------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | OCCIDENTAL PERMIAN LTD   | <b>Local Co-ordinate Reference:</b> | Well Lost Tank 4 Federal #19        |
| <b>Project:</b>  | Lost Tank Delaware, West | <b>TVD Reference:</b>               | WELL @ 0 0usft (Original Well Elev) |
| <b>Site:</b>     | Eddy County, NM          | <b>MD Reference:</b>                | WELL @ 0 0usft (Original Well Elev) |
| <b>Well:</b>     | Lost Tank 4 Federal #19  | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | DH - job #32D0111103     | <b>Survey/Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | DH - job #32D0111103     | <b>Database:</b>                    | EDM-Regulatory                      |

| Survey                   |                    |                |                        |                       |                     |                        |                            |
|--------------------------|--------------------|----------------|------------------------|-----------------------|---------------------|------------------------|----------------------------|
| Measured Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | True Vertical<br>Depth | North/South<br>(usft) | East/West<br>(usft) | Closure Azimuth<br>(°) | Closure Distance<br>(usft) |
| 2,054 0                  | 0 58               | 167 97         | 2,053 8                | -8 4                  | -4 4                | 207 92                 | 9 5                        |
| 2,189 0                  | 0 49               | 180 33         | 2,188 8                | -9 6                  | -4 3                | 204 07                 | 10 5                       |
| 2,324 0                  | 0 49               | 269 95         | 2,323 8                | -10 2                 | -4 9                | 205 57                 | 11 3                       |
| 2,459 0                  | 0 34               | 283 99         | 2,458 8                | -10 1                 | -5 8                | 210 06                 | 11 7                       |
| 2,594 0                  | 0 38               | 10 92          | 2,593 8                | -9 6                  | -6 1                | 212 74                 | 11 4                       |
| 2,729 0                  | 0 36               | 20 93          | 2,728 8                | -8 7                  | -5 9                | 214 11                 | 10 5                       |
| 2,864 0                  | 0 24               | 12 67          | 2,863 8                | -8 0                  | -5 7                | 215 28                 | 9 9                        |
| 2,999 0                  | 0 38               | 160 00         | 2,998 8                | -8 2                  | -5 5                | 213 77                 | 9 9                        |
| 3,179 0                  | 1 65               | 157 95         | 3,178 8                | -11 2                 | -4 3                | 201 09                 | 12 0                       |
| 3,269 0                  | 0 52               | 160 67         | 3,268 8                | -12 7                 | -3 7                | 196 11                 | 13 3                       |
| 3,404 0                  | 1 28               | 322 42         | 3,403 8                | -12 1                 | -4 4                | 199 93                 | 12 9                       |
| 3,584 0                  | 1 26               | 342 93         | 3,583 7                | -8 6                  | -6 2                | 215 68                 | 10 6                       |
| 3,720 0                  | 0 79               | 22 54          | 3,719 7                | -6 3                  | -6 3                | 224 72                 | 8 9                        |
| 3,838 0                  | 0 30               | 36 59          | 3,837 7                | -5 3                  | -5 8                | 227 27                 | 7 9                        |
| 3,954 0                  | 0 38               | 57 58          | 3,953 7                | -4 9                  | -5 3                | 227 17                 | 7 2                        |
| 4,088 0                  | 0 44               | 71 09          | 4,087 7                | -4 5                  | -4 4                | 224 54                 | 6 3                        |
| 4,178 0                  | 1 71               | 218 52         | 4,177 7                | -5 4                  | -4 9                | 222 24                 | 7 3                        |
| 4,268 0                  | 3 95               | 230 19         | 4,267 6                | -8 5                  | -8 1                | 223 90                 | 11 7                       |
| 4,358 0                  | 5 94               | 236 33         | 4,357 2                | -13 0                 | -14 4               | 227 86                 | 19 4                       |
| 4,448 0                  | 8 24               | 235 82         | 4,446 5                | -19 2                 | -23 6               | 230 83                 | 30 5                       |
| 4,538 0                  | 10 94              | 233 15         | 4,535 3                | -28 0                 | -35 8               | 231 98                 | 45 4                       |
| 4,628 0                  | 13 62              | 232 35         | 4,623 2                | -39 6                 | -51 0               | 232 19                 | 64 6                       |
| 4,718 0                  | 15 78              | 227 70         | 4,710 2                | -54 3                 | -68 5               | 231 58                 | 87 4                       |
| 4,808 0                  | 18 48              | 227 95         | 4,796 2                | -72 1                 | -88 1               | 230 71                 | 113 8                      |
| 4,898 0                  | 21 48              | 228 19         | 4,880 8                | -92 6                 | -111 0              | 230 15                 | 144 6                      |
| 4,987 0                  | 24 31              | 224 39         | 4,962 8                | -116 6                | -136 0              | 229 38                 | 179 1                      |
| 5,078 0                  | 26 43              | 222 69         | 5,045 0                | -144 9                | -162 8              | 228 33                 | 217 9                      |
| 5,167 0                  | 29 40              | 223 20         | 5,123 7                | -175 4                | -191 2              | 227 47                 | 259 4                      |
| 5,257 0                  | 32 91              | 223 60         | 5,200 7                | -209 2                | -223 2              | 226 85                 | 305 9                      |
| 5,347 0                  | 35 93              | 225 22         | 5,274 9                | -245 5                | -258 8              | 226 51                 | 356 7                      |
| 5,437 0                  | 36 85              | 225 32         | 5,347 3                | -283 1                | -296 7              | 226 35                 | 410 1                      |
| 5,572 0                  | 37 41              | 225 62         | 5,455 0                | -340 2                | -354 8              | 226 20                 | 491 6                      |
| 5,707 0                  | 37 17              | 225 58         | 5,562 4                | -397 4                | -413 3              | 226 12                 | 573 4                      |
| 5,842 0                  | 36 86              | 226 06         | 5,670 2                | -454 1                | -471 5              | 226 08                 | 654 6                      |
| 5,932 0                  | 38 29              | 226 61         | 5,741 5                | -492 0                | -511 2              | 226 10                 | 709 5                      |
| 6,022 0                  | 40 27              | 227 38         | 5,811 2                | -530 8                | -552 9              | 226 17                 | 766 5                      |
| 6,112 0                  | 42 50              | 227 61         | 5,878 7                | -571 0                | -596 8              | 226 26                 | 826 0                      |
| 6,247 0                  | 42 83              | 228 36         | 5,978 0                | -632 3                | -664 7              | 226 44                 | 917 4                      |
| 6,382 0                  | 43 47              | 229 09         | 6,076 5                | -693 2                | -734 1              | 226 64                 | 1,009 7                    |
| 6,472 0                  | 41 07              | 226 92         | 6,143 0                | -733 6                | -779 1              | 226 72                 | 1,070 2                    |
| 6,562 0                  | 40 35              | 226 74         | 6,211 3                | -773 8                | -821 9              | 226 73                 | 1,128 9                    |
| 6,652 0                  | 40 74              | 226 90         | 6,279 7                | -813 8                | -864 6              | 226 73                 | 1,187 4                    |
| 6,786 0                  | 35 89              | 225 20         | 6,384 8                | -871 4                | -924 4              | 226 69                 | 1,270 4                    |
| 6,876 0                  | 34 12              | 225 80         | 6,458 5                | -907 6                | -961 3              | 226 64                 | 1,322 0                    |

# Scientific Drilling International, Inc.

## SDI Standard Survey Report



|           |                         |                              |                                     |
|-----------|-------------------------|------------------------------|-------------------------------------|
| Company:  | OCCIDENTAL PERMIAN LTD  | Local Co-ordinate Reference: | Well' Lost Tank 4 Federal #19       |
| Project:  | Lost Tank Delaware West | TVD Reference:               | WELL @ 0 0usft (Original Well Elev) |
| Site:     | Eddy County NM          | MD Reference:                | WELL @ 0 0usft (Original Well Elev) |
| Well:     | Lost Tank 4 Federal #19 | North Reference:             | Grid                                |
| Wellbore: | DH - job #32D0111103    | Survey Calculation Method:   | Minimum Curvature                   |
| Design:   | DH - job #32D0111103    | Database:                    | EDM-Regulatory                      |

| Survey                   |                    |                |                        |                       |                     |                        |                            |  |
|--------------------------|--------------------|----------------|------------------------|-----------------------|---------------------|------------------------|----------------------------|--|
| Measured Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | True Vertical<br>Depth | North/South<br>(usft) | East/West<br>(usft) | Closure Azimuth<br>(°) | Closure Distance<br>(usft) |  |
| 6,966 0                  | 34 33              | 224 28         | 6,532 9                | -943 4                | -997 1              | 226 59                 | 1,372 6                    |  |
| 7,056 0                  | 37 05              | 224 99         | 6,606 0                | -980 7                | -1,034 0            | 226 51                 | 1,425 1                    |  |
| 7,146 0                  | 36 01              | 225 21         | 6,678 3                | -1,018 5              | -1,071 9            | 226 46                 | 1,478 7                    |  |
| 7,236 0                  | 35 44              | 224 89         | 6,751 4                | -1,055 7              | -1,109 1            | 226 41                 | 1,531 2                    |  |
| 7,326 0                  | 36 97              | 225 90         | 6,824 0                | -1,093 0              | -1,147 0            | 226 38                 | 1,584 3                    |  |
| 7,416 0                  | 40 12              | 227 52         | 6,894 4                | -1,131 4              | -1,187 8            | 226 39                 | 1,640 4                    |  |
| 7,506 0                  | 40 00              | 228 62         | 6,963 3                | -1,170 1              | -1,230 9            | 226 45                 | 1,698 3                    |  |
| 7,596 0                  | 41 73              | 227 46         | 7,031 3                | -1,209 5              | -1,274 7            | 226 50                 | 1,757 2                    |  |
| 7,731 0                  | 46 82              | 225 97         | 7,128 0                | -1,274 1              | -1,343 2            | 226 51                 | 1,851 4                    |  |
| 7,865 0                  | 44 40              | 226 44         | 7,221 7                | -1,340 4              | -1,412 3            | 226 50                 | 1,947 1                    |  |
| 8,000 0                  | 43 93              | 227 19         | 7,318 5                | -1,404 8              | -1,480 9            | 226 51                 | 2,041 2                    |  |
| 8,075 0                  | 43 20              | 227 03         | 7,372 9                | -1,439 9              | -1,518 8            | 226 53                 | 2,092 9                    |  |
| 8,165 0                  | 40 25              | 226 80         | 7,440 0                | -1,480 9              | -1,562 5            | 226 54                 | 2,152 8                    |  |
| 8,255 0                  | 39 41              | 226 68         | 7,509 2                | -1,520 4              | -1,604 5            | 226 54                 | 2,210 4                    |  |
| 8,345 0                  | 40 84              | 226 83         | 7,578 0                | -1,560 1              | -1,646 7            | 226 55                 | 2,268 4                    |  |
| 8,435 0                  | 42 17              | 227 08         | 7,645 4                | -1,600 8              | -1,690 3            | 226 56                 | 2,328 0                    |  |
| 8,525 0                  | 40 98              | 227 55         | 7,712 7                | -1,641 3              | -1,734 2            | 226 58                 | 2,387 8                    |  |
| 8,615 0                  | 39 97              | 227 43         | 7,781 2                | -1,680 8              | -1,777 3            | 226 60                 | 2,446 2                    |  |
| 8,705 0                  | 40 22              | 227 82         | 7,850 0                | -1,719 8              | -1,820 1            | 226 62                 | 2,504 1                    |  |
| 8,795 0                  | 38 27              | 228 12         | 7,919 7                | -1,758 0              | -1,862 4            | 226 65                 | 2,561 0                    |  |
| 8,864 0                  | 35 71              | 228 40         | 7,974 8                | -1,785 6              | -1,893 4            | 226 68                 | 2,602 5                    |  |



Project: Lost Tank Delaware, West  
 Site: Eddy County, NM  
 Well: Lost Tank 4 Federal #19  
 Wellbore: DH - job #32D0111103  
 Design: DH - job #32D0111103



Azimuths to Grid North  
 True North -0 29°  
 Magnetic North 7 45°  
 Magnetic Field  
 Strength 48773 6snT  
 Dip Angle: 60 34°  
 Date: 1/31/2011  
 Model IGRF2010

+N/-S  
 0.0

+E/-W  
 0.0

Northing  
 516569.65

WELL DETAILS: Lost Tank 4 Federal #19  
 WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

Easting  
 669637.89

Latitude  
 32° 25' 8.271 N

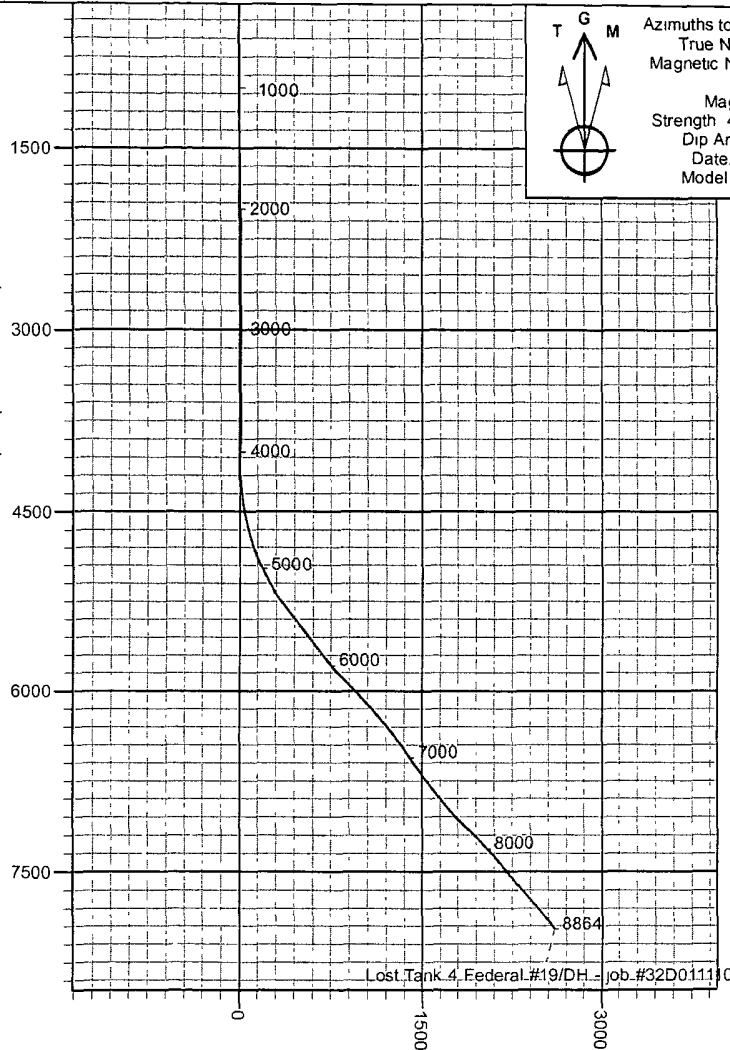
Longitude  
 103° 47' 0.939 W

Slot

#### REFERENCE INFORMATION

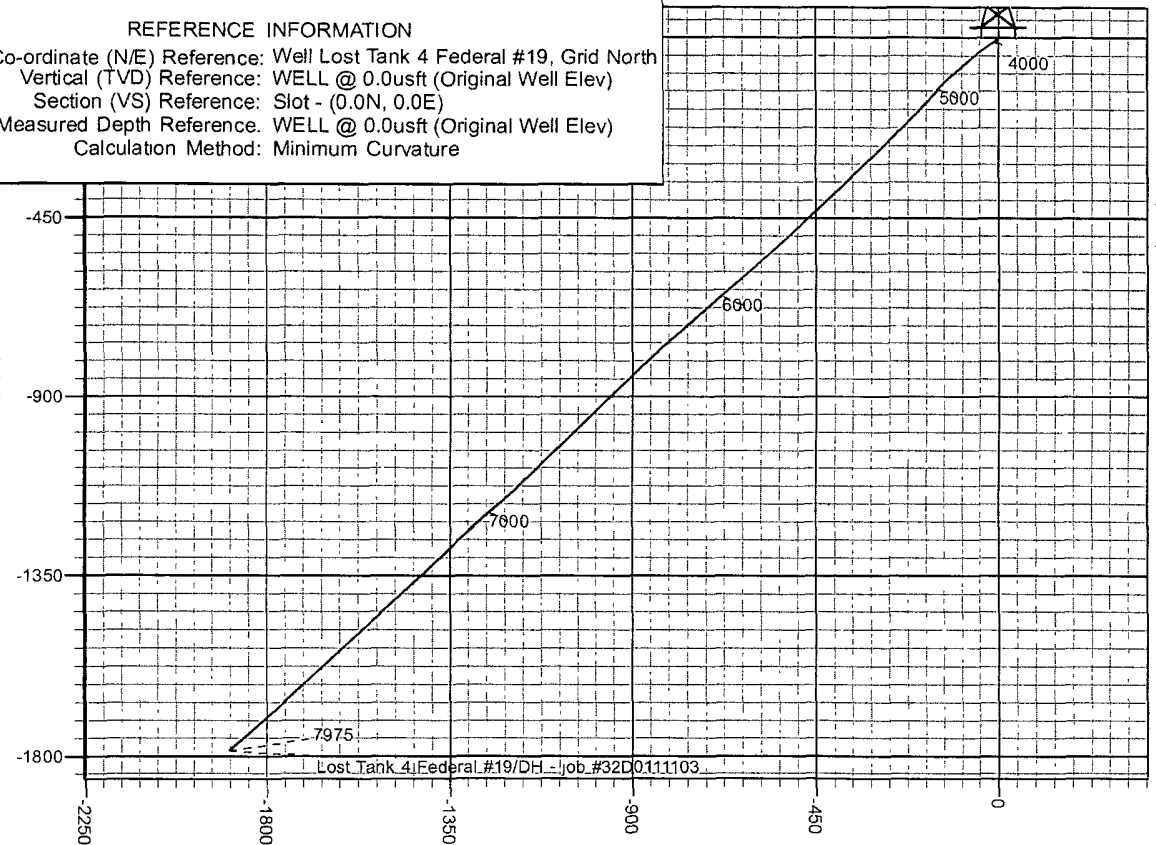
Co-ordinate (N/E) Reference: Well Lost Tank 4 Federal #19, Grid North  
 Vertical (TVD) Reference: WELL @ 0.0usft (Original Well Elev)  
 Section (VS) Reference: Slot - (0.0N, 0.0E)  
 Measured Depth Reference: WELL @ 0.0usft (Original Well Elev)  
 Calculation Method: Minimum Curvature

True Vertical Depth (1500 usft/in)



Vertical Section at 226.48° (1500 usft/in)

South(-)/North(+) (450 usft/in)



West(-)/East(+) (450 usft/in)

#### COMPANY DETAILS: OCCIDENTAL PERMIAN LTD.

Calculation Method: Minimum Curvature  
 Error System: Systematic Ellipse  
 Scan Method: Closest Approach 3D  
 Error Surface: Elliptical Conic  
 Warning Method: Error Ratio

#### PROJECT DETAILS: Lost Tank Delaware, West

Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001  
 System Datum: Mean Sea Level

#### SITE DETAILS: Eddy County, NM

Site Centre Latitude: 32° 24' 54.705 N  
 Longitude: 103° 45' 46.737 W  
 Positional Uncertainty: 0.0  
 Convergence: 0.31  
 Local North: Grid