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30-015-37897

## OCCIDENTAL PERMIAN LTD.

Lost Tank Delaware, West

Eddy County, NM

Lost Tank 10 Federal #3

VH - Job #32K111057

Survey: Actual

## SDI Standard Survey Report

27 January, 2011

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

Richard

Notarized this date 27th of January, 2011.

Carrie Reed

Notary Signature  
County of Midland  
State of Texas



# Scientific Drilling International, Inc.

## SDI Standard Survey Report

|                  |                          |                                     |                                     |
|------------------|--------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | OCCIDENTAL PERMIAN LTD   | <b>Local Co-ordinate Reference:</b> | Well Lost Tank 10 Federal #3        |
| <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 10 Federal #3  | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | VH - Job #32K111057      | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | VH - Job #32K111057      | <b>Database:</b>                    | EDM-Regulatory                      |

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

|                              |                 |                          |                   |
|------------------------------|-----------------|--------------------------|-------------------|
| <b>Site</b>                  | Eddy County, NM |                          |                   |
| <b>Site Position:</b>        |                 | <b>Northing:</b>         | 515,232.05 usft   |
| <b>From:</b>                 | Lat/Long        | <b>Easting:</b>          | 676,005.63 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft        | <b>Slot Radius:</b>      | 13-3/16"          |
|                              |                 | <b>Latitude:</b>         | 32° 24' 54.705 N  |
|                              |                 | <b>Longitude:</b>        | 103° 45' 46.737 W |
|                              |                 | <b>Grid Convergence:</b> | 0.31 °            |

|                             |                                                    |                            |                                  |
|-----------------------------|----------------------------------------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Lost Tank 10 Federal #3, Directional (Baker Integ) |                            |                                  |
| <b>Well Position</b>        | +N/-S                                              | 0.0 usft                   | <b>Northing:</b> 515,302.75 usft |
|                             | +E/-W                                              | 0.0 usft                   | <b>Easting:</b> 676,076.33 usft  |
| <b>Position Uncertainty</b> | 0.0 usft                                           | <b>Wellhead Elevation:</b> | usft                             |
|                             |                                                    | <b>Latitude:</b>           | 32° 24' 55.401 N                 |
|                             |                                                    | <b>Longitude:</b>          | 103° 45' 45.908 W                |
|                             |                                                    | <b>Ground Level:</b>       | 0.0 usft                         |

|                  |                     |                    |                       |
|------------------|---------------------|--------------------|-----------------------|
| <b>Wellbore</b>  | VH - Job #32K111057 |                    |                       |
| <b>Magnetics</b> | <b>Model Name</b>   | <b>Sample Date</b> | <b>Declination</b>    |
|                  | BGGM2010            | 1/22/2011          | 7.79                  |
|                  |                     |                    | <b>Dip Angle</b>      |
|                  |                     |                    | 60.35                 |
|                  |                     |                    | <b>Field Strength</b> |
|                  |                     |                    | 48,812                |

|                          |                         |                      |                  |
|--------------------------|-------------------------|----------------------|------------------|
| <b>Design</b>            | VH - Job #32K111057     |                      |                  |
| <b>Audit Notes:</b>      |                         |                      |                  |
| <b>Version:</b>          | 1.0                     | <b>Phase:</b>        | ACTUAL           |
|                          |                         | <b>Tie On Depth:</b> | 0.0              |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b>         | <b>+E/-W</b>     |
|                          | (usft)                  | (usft)               | (usft)           |
|                          | 0.0                     | 0.0                  | 0.0              |
|                          |                         |                      | <b>Direction</b> |
|                          |                         |                      | 222.43           |

|                       |             |                              |                  |                        |
|-----------------------|-------------|------------------------------|------------------|------------------------|
| <b>Survey Program</b> | <b>Date</b> | 1/27/2011                    |                  |                        |
| <b>From</b>           | <b>To</b>   | <b>Survey (Wellbore)</b>     | <b>Tool Name</b> | <b>Description</b>     |
| (usft)                | (usft)      |                              |                  |                        |
| 84.1                  | 646.0       | Actual (VH - Job #32K111057) | Keeper           | Keeper Surface Readout |

|                       |                    |                |                      |                    |                  |                        |                         |  |
|-----------------------|--------------------|----------------|----------------------|--------------------|------------------|------------------------|-------------------------|--|
| <b>Survey</b>         |                    |                |                      |                    |                  |                        |                         |  |
| <b>Measured Depth</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>True Vertical</b> | <b>North/South</b> | <b>East/West</b> | <b>Closure Azimuth</b> | <b>Closure Distance</b> |  |
| (usft)                | (°)                | (°)            | Depth                | (usft)             | (usft)           | (°)                    | (usft)                  |  |
| 0.0                   | 0.00               | 0.00           | 0.0                  | 0.0                | 0.0              | 0.00                   | 0.0                     |  |
| 84.1                  | 0.10               | 188.36         | 84.1                 | -0.1               | 0.0              | 188.36                 | 0.1                     |  |
| 113.9                 | 0.07               | 204.48         | 113.9                | -0.1               | 0.0              | 190.84                 | 0.1                     |  |
| 203.4                 | 0.08               | 159.69         | 203.4                | -0.2               | 0.0              | 185.87                 | 0.2                     |  |
| 287.8                 | 0.13               | 275.98         | 287.8                | -0.3               | -0.1             | 200.00                 | 0.3                     |  |
| 377.3                 | 0.23               | 275.59         | 377.3                | -0.2               | -0.4             | 237.50                 | 0.4                     |  |
| 466.9                 | 0.27               | 296.18         | 466.9                | -0.1               | -0.7             | 260.13                 | 0.8                     |  |
| 556.4                 | 0.25               | 302.01         | 556.4                | 0.1                | -1.1             | 273.47                 | 1.1                     |  |
| 646.0                 | 0.29               | 341.15         | 646.0                | 0.4                | -1.3             | 286.03                 | 1.4                     |  |



Project: Lost Tank Delaware, West  
 Eddy County, NM  
 Well: Lost Tank 10 Federal #3  
 Wellbore: VH - Job #32K111057  
 Design: VH - Job #32K111057

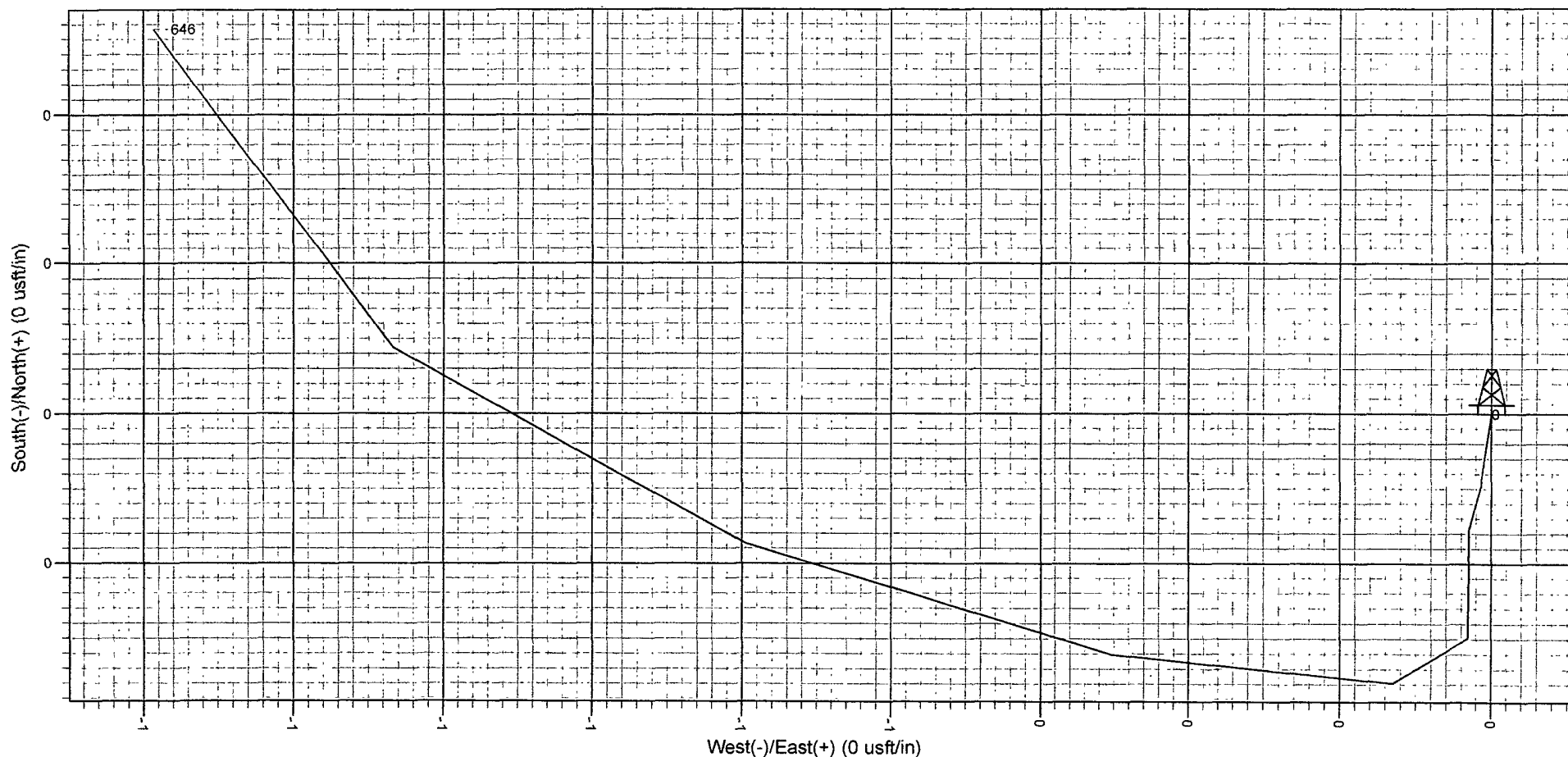


Azimuths to Grid North  
 True North: -0.31°  
 Magnetic North: 7.49°

Magnetic Field  
 Strength: 48811 7snT  
 Dip Angle: 60.35°  
 Date: 1/22/2011  
 Model: BGGM2010

WELL DETAILS: Lost Tank 10 Federal #3  
 WELL @ 0.0usft (Original Well Elev)

| +N/-S | +E/-W | Northing  | Easting   | Latitude         | Longitude         | Slot |
|-------|-------|-----------|-----------|------------------|-------------------|------|
| 0.0   | 0.0   | 515302.75 | 676076.33 | 32° 24' 55.401 N | 103° 45' 45.908 W |      |



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

Reset Form

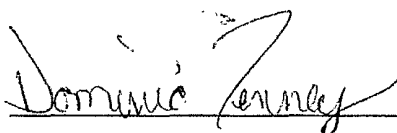
INTEQ

2105 MARKET STREET  
MIDLAND, TX 79703  
24 HR (432) 694-9517

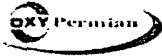
STATE OF NEW MEXICO

COUNTY OF EDDY

I, Dominic Tenney, DD Field Service Engineer, certify that I am employed by INTEQ ; did conduct or supervise on the  
the day(s) of 01/24/2011 through Feb 14, 2011 the taking of a MWD survey from a depth of 751  
feet to a depth of 9,158 feet; that the data is true, correct, complete and within the limitations of the tool as set  
forth by Baker Hughes INTEQ ; that I am authorized and qualified to make this report ; that this survey was conducted at the request  
of: OXY Permian for the Lost Tank 10 FED #3  
Well, API No. 30-015-37897 in EDDY County, New Mexico; and that I have reviewed  
this report and find that it conforms to the principles and procedures as set forth by INTEQ.



Field Service Engineer: Dominic Tenney



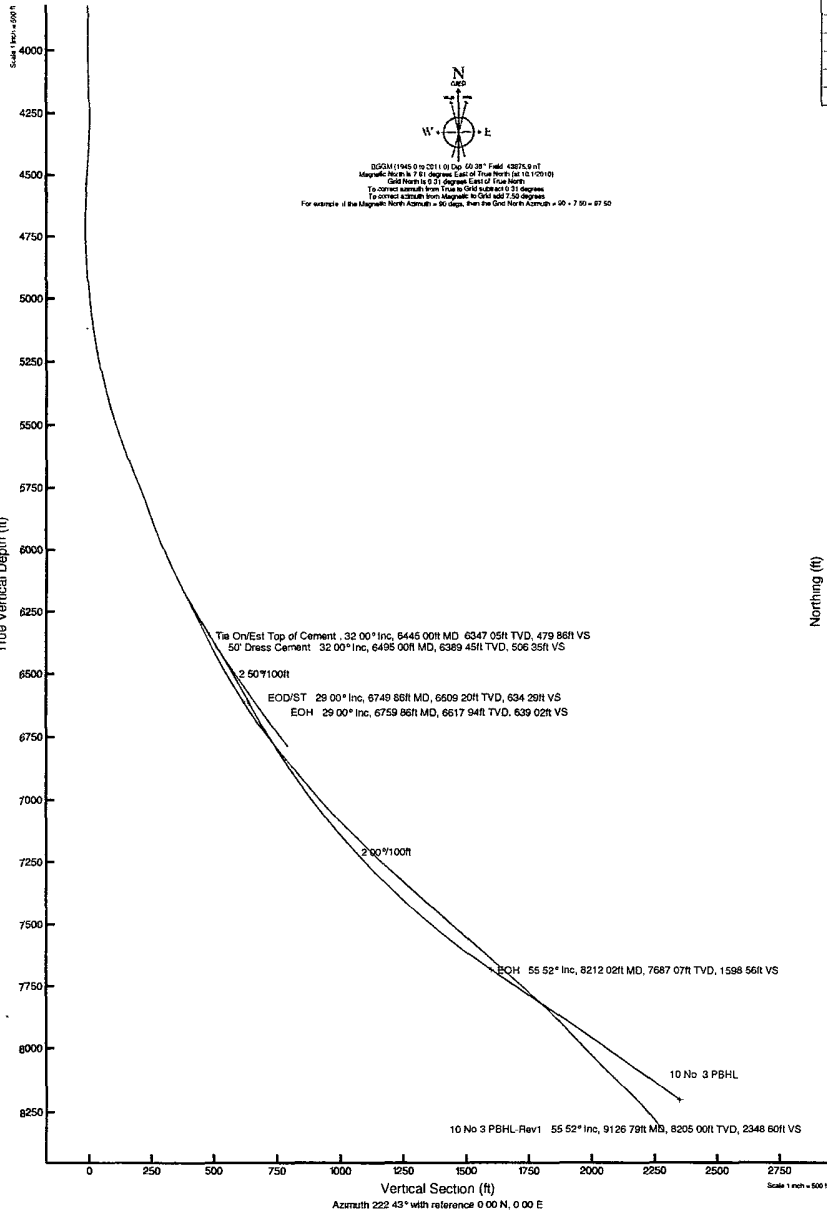
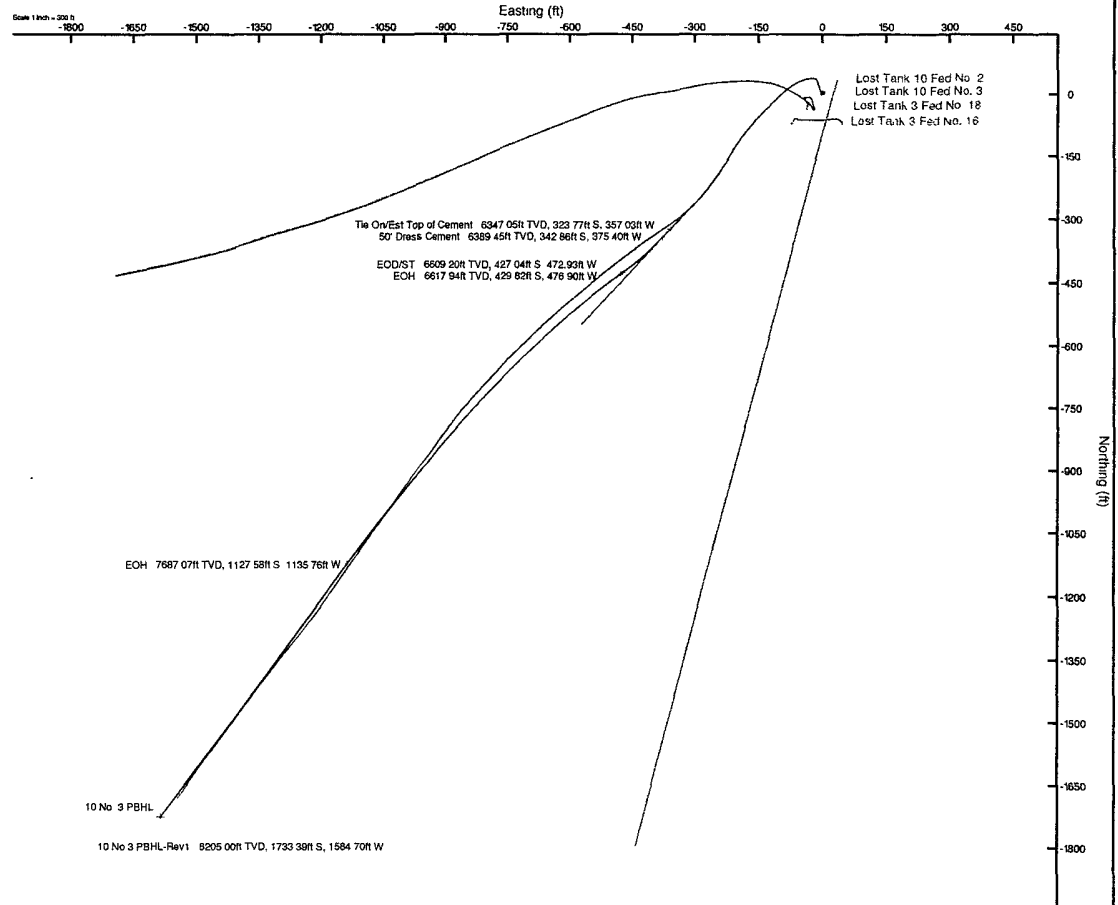
Location Eddy County, NM\_1  
Field Lost Tank  
Facility Lost Tank Pad B

# OXY Permian

Slot. Lost Tank 10 Fed No 3  
Well 10 Fed No 3  
Wellbore 10 Fed No 3 PWB ST01



| Well Profile Data        |         |         |         |          |              |              |               |         |
|--------------------------|---------|---------|---------|----------|--------------|--------------|---------------|---------|
| Design Comment           | MD (ft) | Inc (°) | Az (°)  | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft) |
| Tie On/Est Top of Cement | 6445.00 | 32.000  | 223.900 | 6347.05  | -323.77      | -357.03      | 0.00          | 479.86  |
| 50' Dress Cement         | 6495.00 | 32.000  | 223.900 | 6389.45  | -342.86      | -375.40      | 0.00          | 506.35  |
| EOD/ST                   | 6749.86 | 29.000  | 235.000 | 6609.20  | -427.04      | -472.93      | 2.50          | 634.29  |
| EOH                      | 6759.86 | 29.000  | 235.000 | 6617.94  | -429.82      | -476.90      | 0.00          | 639.02  |
| EOH                      | 8212.02 | 55.515  | 216.541 | 7687.07  | -1127.58     | -1135.76     | 2.00          | 1598.56 |
| 10 No 3 PBHL-Rev1        | 9126.79 | 55.515  | 216.541 | 8205.00  | -1733.39     | -1584.70     | 0.00          | 2348.60 |



|                                                                          |                                                                              |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Plot reference wellpath is Plan 42 ST01                                  |                                                                              |
| True vertical depths are referenced to Rig on Lost Tank 10 Fed No 3 (KB) | Grid System NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet |
| Measured depths are referenced to Rig on Lost Tank 10 Fed No 3 (KB)      | North Reference Grid north                                                   |
| Rig on Lost Tank 10 Fed No 3 (KB) to Mean Sea Level 3510.1 feet          | Scale True distance                                                          |
| Mean Sea Level to Mud line (Facility Lost Tank Pad B) 0 feet             | Depths are in feet                                                           |
| Coordinates are in feet referenced to Slot                               | Created by: gomeoscr on 2/6/2011                                             |



# Actual Wellpath Report

10 Fed No.3 AWB ST01

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |                |                               |
|----------|-----------------|----------------|-------------------------------|
| Operator | OXY Permian     | Slot           | Lost Tank 10 Fed No. 3        |
| Area     | Eddy County, NM | Well           | 10 Fed No. 3                  |
| Field    | Lost Tank       | Wellbore       | 10 Fed No.3 AWB ST01          |
| Facility | Lost Tank Pad B | Sidetrack from | 10 Fed No.3 AWB at 6175.00 MD |

## REPORT SETUP INFORMATION

|                     |                                                                  |                      |                                     |
|---------------------|------------------------------------------------------------------|----------------------|-------------------------------------|
| Projection System   | NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet | Software System      | WellArchitect® 2.0                  |
| North Reference     | Grid                                                             | User                 | Gentbry                             |
| Scale               | 0.999945                                                         | Report Generated     | 2/14/2011 at 7:49:45 AM             |
| Convergence at slot | 0.31° East                                                       | Database/Source file | WA_Midland/10_Fed_No.3_AWB_ST01.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[USft]    | Northing[USft] | Latitude               | Longitude       |
| Slot Location         | 70.70             | 70.70    | 676076.30        | 515302.70      | 32°24'55.400"N         | 103°45'45.908"W |
| Facility Reference Pt |                   |          | 676005.60        | 515232.00      | 32°24'54.704"N         | 103°45'46.737"W |
| Field Reference Pt    |                   |          | 677702.20        | 514850.60      | 32°24'50.840"N         | 103°45'26.970"W |

## WELLPATH DATUM

|                          |                                    |                                                               |                   |
|--------------------------|------------------------------------|---------------------------------------------------------------|-------------------|
| Calculation method       | Minimum curvature                  | Rig on Lost Tank 10 Fed No. 3 (KB) to Facility Vertical Datum | 3510.10ft         |
| Horizontal Reference Pt  | Slot                               | Rig on Lost Tank 10 Fed No. 3 (KB) to Mean Sea Level          | 3510.10ft         |
| Vertical Reference Pt    | Rig on Lost Tank 10 Fed No. 3 (KB) | Facility Vertical Datum to Mud Line (Facility)                | 0.00ft            |
| MD Reference Pt          | Rig on Lost Tank 10 Fed No. 3 (KB) | Section Origin                                                | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level                     | Section Azimuth                                               | 222.46°           |



# Actual Wellpath Report

10 Fed No.3 AWB ST01

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| REFERENCE WELLPATH IDENTIFICATION |                 |                |                               |
|-----------------------------------|-----------------|----------------|-------------------------------|
| Operator                          | OXY Permian     | Slot           | Lost Tank 10 Fed No. 3        |
| Area                              | Eddy County, NM | Well           | 10 Fed No. 3                  |
| Field                             | Lost Tank       | Wellbore       | 10 Fed No.3 AWB ST01          |
| Facility                          | Lost Tank Pad B | Sidetrack from | 10 Fed No.3 AWB at 6175.00 MD |

| WELLPATH DATA (75 stations) † = interpolated/extrapolated station |                    |                |             |                   |               |              |                       |                        |                |                 |                  |          |
|-------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|------------------|----------|
| MD<br>[ft]                                                        | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
| 0.00†                                                             | 0.000              | 188.360        | 0.00        | 0.00              | 0.00          | 0.00         | 676076.30             | 515302.70              | 32°24'55.400"N | 103°45'45.908"W | 0.00             |          |
| 16.50                                                             | 0.000              | 188.360        | 16.50       | 0.00              | 0.00          | 0.00         | 676076.30             | 515302.70              | 32°24'55.400"N | 103°45'45.908"W | 0.00             |          |
| 84.10                                                             | 0.100              | 188.360        | 84.10       | 0.05              | -0.06         | -0.01        | 676076.29             | 515302.64              | 32°24'55.400"N | 103°45'45.908"W | 0.15             |          |
| 113.90                                                            | 0.070              | 204.480        | 113.90      | 0.09              | -0.10         | -0.02        | 676076.28             | 515302.60              | 32°24'55.399"N | 103°45'45.908"W | 0.13             |          |
| 203.40                                                            | 0.080              | 159.690        | 203.40      | 0.17              | -0.21         | -0.02        | 676076.28             | 515302.49              | 32°24'55.398"N | 103°45'45.909"W | 0.06             |          |
| 287.80                                                            | 0.130              | 275.980        | 287.80      | 0.25              | -0.25         | -0.10        | 676076.20             | 515302.45              | 32°24'55.398"N | 103°45'45.909"W | 0.21             |          |
| 377.30                                                            | 0.230              | 275.590        | 377.30      | 0.42              | -0.23         | -0.38        | 676075.92             | 515302.47              | 32°24'55.398"N | 103°45'45.913"W | 0.11             |          |
| 466.90                                                            | 0.270              | 296.180        | 466.90      | 0.59              | -0.12         | -0.74        | 676075.56             | 515302.58              | 32°24'55.399"N | 103°45'45.917"W | 0.11             |          |
| 556.40                                                            | 0.250              | 302.010        | 556.40      | 0.68              | 0.08          | -1.10        | 676075.20             | 515302.78              | 32°24'55.401"N | 103°45'45.921"W | 0.04             |          |
| 646.00                                                            | 0.290              | 341.150        | 646.00      | 0.61              | 0.40          | -1.34        | 676074.96             | 515303.10              | 32°24'55.404"N | 103°45'45.924"W | 0.21             |          |
| 751.00                                                            | 0.300              | 4.600          | 751.00      | 0.26              | 0.92          | -1.40        | 676074.90             | 515303.62              | 32°24'55.410"N | 103°45'45.925"W | 0.11             |          |
| 886.00                                                            | 0.600              | 11.000         | 885.99      | -0.62             | 1.97          | -1.24        | 676075.06             | 515304.67              | 32°24'55.420"N | 103°45'45.923"W | 0.22             |          |
| 1021.00                                                           | 0.700              | 16.500         | 1020.98     | -1.96             | 3.46          | -0.87        | 676075.43             | 515306.16              | 32°24'55.435"N | 103°45'45.918"W | 0.09             |          |
| 1157.00                                                           | 0.600              | 7.400          | 1156.97     | -3.29             | 4.96          | -0.54        | 676075.76             | 515307.66              | 32°24'55.449"N | 103°45'45.914"W | 0.11             |          |
| 1292.00                                                           | 0.800              | 7.600          | 1291.96     | -4.64             | 6.59          | -0.33        | 676075.97             | 515309.29              | 32°24'55.466"N | 103°45'45.912"W | 0.15             |          |
| 1427.00                                                           | 0.100              | 333.900        | 1426.96     | -5.46             | 7.63          | -0.25        | 676076.05             | 515310.33              | 32°24'55.476"N | 103°45'45.911"W | 0.53             |          |
| 1562.00                                                           | 0.300              | 264.500        | 1561.96     | -5.24             | 7.71          | -0.66        | 676075.64             | 515310.40              | 32°24'55.477"N | 103°45'45.915"W | 0.21             |          |
| 1697.00                                                           | 0.200              | 246.700        | 1696.96     | -4.76             | 7.58          | -1.22        | 676075.08             | 515310.28              | 32°24'55.475"N | 103°45'45.922"W | 0.09             |          |
| 1833.00                                                           | 0.100              | 315.500        | 1832.96     | -4.55             | 7.57          | -1.53        | 676074.77             | 515310.27              | 32°24'55.475"N | 103°45'45.926"W | 0.14             |          |
| 1968.00                                                           | 0.100              | 266.100        | 1967.96     | -4.47             | 7.64          | -1.73        | 676074.57             | 515310.34              | 32°24'55.476"N | 103°45'45.928"W | 0.06             |          |
| 2103.00                                                           | 0.100              | 341.100        | 2102.96     | -4.45             | 7.75          | -1.88        | 676074.42             | 515310.45              | 32°24'55.477"N | 103°45'45.930"W | 0.09             |          |
| 2238.00                                                           | 0.100              | 57.500         | 2237.96     | -4.62             | 7.92          | -1.82        | 676074.48             | 515310.62              | 32°24'55.479"N | 103°45'45.929"W | 0.09             |          |
| 2373.00                                                           | 0.600              | 66.000         | 2372.95     | -5.38             | 8.27          | -1.08        | 676075.22             | 515310.97              | 32°24'55.482"N | 103°45'45.920"W | 0.37             |          |
| 2509.00                                                           | 0.700              | 69.500         | 2508.94     | -6.77             | 8.85          | 0.35         | 676076.65             | 515311.55              | 32°24'55.488"N | 103°45'45.904"W | 0.08             |          |
| 2644.00                                                           | 0.900              | 110.400        | 2643.93     | -7.90             | 8.77          | 2.12         | 676078.42             | 515311.47              | 32°24'55.487"N | 103°45'45.883"W | 0.44             |          |
| 2779.00                                                           | 1.100              | 135.100        | 2778.91     | -8.24             | 7.49          | 4.03         | 676080.33             | 515310.19              | 32°24'55.474"N | 103°45'45.861"W | 0.35             |          |
| 2915.00                                                           | 0.900              | 165.000        | 2914.89     | -7.61             | 5.53          | 5.23         | 676081.53             | 515308.23              | 32°24'55.455"N | 103°45'45.847"W | 0.41             |          |
| 3050.00                                                           | 0.600              | 242.300        | 3049.88     | -6.37             | 4.18          | 4.87         | 676081.17             | 515306.88              | 32°24'55.441"N | 103°45'45.851"W | 0.72             |          |
| 3186.00                                                           | 0.300              | 228.800        | 3185.88     | -5.35             | 3.61          | 3.98         | 676080.28             | 515306.31              | 32°24'55.436"N | 103°45'45.862"W | 0.23             |          |
| 3321.00                                                           | 0.800              | 153.700        | 3320.87     | -4.66             | 2.53          | 4.13         | 676080.43             | 515305.23              | 32°24'55.425"N | 103°45'45.860"W | 0.58             |          |
| 3456.00                                                           | 0.900              | 240.100        | 3455.86     | -3.30             | 1.16          | 3.63         | 676079.93             | 515303.86              | 32°24'55.412"N | 103°45'45.866"W | 0.86             |          |
| 3591.00                                                           | 0.800              | 350.300        | 3590.85     | -2.87             | 1.56          | 2.55         | 676078.85             | 515304.26              | 32°24'55.416"N | 103°45'45.878"W | 1.03             |          |
| 3727.00                                                           | 1.100              | 19.400         | 3726.84     | -4.66             | 3.73          | 2.82         | 676079.12             | 515306.43              | 32°24'55.437"N | 103°45'45.875"W | 0.41             |          |
| 3862.00                                                           | 1.100              | 67.000         | 3861.81     | -7.03             | 5.46          | 4.44         | 676080.74             | 515308.16              | 32°24'55.454"N | 103°45'45.856"W | 0.66             |          |
| 3997.00                                                           | 0.700              | 182.900        | 3996.81     | -7.57             | 5.14          | 5.60         | 676081.90             | 515307.84              | 32°24'55.451"N | 103°45'45.843"W | 1.14             |          |
| 4072.00                                                           | 1.400              | 222.400        | 4071.79     | -6.30             | 4.01          | 4.96         | 676081.25             | 515306.70              | 32°24'55.440"N | 103°45'45.850"W | 1.29             |          |
| 4189.00                                                           | 1.900              | 231.400        | 4188.74     | -2.95             | 1.74          | 2.48         | 676078.78             | 515304.44              | 32°24'55.417"N | 103°45'45.879"W | 0.48             |          |
| 4325.00                                                           | 3.900              | 330.900        | 4324.62     | -2.19             | 4.38          | -1.54        | 676074.76             | 515307.08              | 32°24'55.444"N | 103°45'45.926"W | 3.39             |          |
| 4460.00                                                           | 7.000              | 342.800        | 4459.00     | -7.80             | 16.25         | -6.20        | 676070.10             | 515318.95              | 32°24'55.561"N | 103°45'45.980"W | 2.43             |          |
| 4550.00                                                           | 6.800              | 342.800        | 4548.35     | -13.26            | 26.58         | -9.40        | 676066.90             | 515329.28              | 32°24'55.664"N | 103°45'46.016"W | 0.22             |          |
| 4685.00                                                           | 2.600              | 322.800        | 4682.87     | -17.85            | 36.66         | -13.62       | 676062.68             | 515339.35              | 32°24'55.764"N | 103°45'46.065"W | 3.29             |          |
| 4821.00                                                           | 5.100              | 271.400        | 4818.59     | -14.43            | 39.26         | -21.53       | 676054.77             | 515341.96              | 32°24'55.790"N | 103°45'46.157"W | 2.96             |          |
| 4956.00                                                           | 5.800              | 258.600        | 4952.98     | -4.98             | 38.06         | -34.22       | 676042.09             | 515340.76              | 32°24'55.779"N | 103°45'46.305"W | 1.04             |          |
| 5091.00                                                           | 8.700              | 245.900        | 5086.90     | 9.90              | 32.54         | -50.23       | 676026.08             | 515335.24              | 32°24'55.725"N | 103°45'46.492"W | 2.44             |          |
| 5227.00                                                           | 11.700             | 235.800        | 5220.74     | 32.77             | 20.59         | -71.03       | 676005.28             | 515323.29              | 32°24'55.608"N | 103°45'46.735"W | 2.56             |          |



# Actual Wellpath Report

10 Fed No.3 AWB ST01

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

|          |                 |                |                               |
|----------|-----------------|----------------|-------------------------------|
| Operator | OXY Permian     | Slot           | Lost Tank 10 Fed No. 3        |
| Area     | Eddy County, NM | Well           | 10 Fed No. 3                  |
| Field    | Lost Tank       | Wellbore       | 10 Fed No.3 AWB ST01          |
| Facility | Lost Tank Pad B | Sidetrack from | 10 Fed No.3 AWB at 6175.00 MD |

## WELLPATH DATA (75 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [srv ft] | Grid North [srv ft] | Latitude       | Longitude       | DLS [°/100ft] | Comments          |
|---------|-----------------|-------------|----------|----------------|------------|-----------|--------------------|---------------------|----------------|-----------------|---------------|-------------------|
| 5362.00 | 14.300          | 225.900     | 5352.29  | 62.74          | 1.28       | -94.33    | 675981.98          | 515303.98           | 32°24'55.418"N | 103°45'47.008"W | 2.53          |                   |
| 5497.00 | 17.900          | 225.200     | 5481.97  | 100.11         | -24.95     | -121.03   | 675955.28          | 515277.76           | 32°24'55.160"N | 103°45'47.322"W | 2.67          |                   |
| 5632.00 | 20.800          | 221.400     | 5609.34  | 144.81         | -57.55     | -151.61   | 675924.70          | 515245.15           | 32°24'54.839"N | 103°45'47.680"W | 2.34          |                   |
| 5769.00 | 22.600          | 216.900     | 5736.63  | 195.34         | -96.86     | -183.51   | 675892.80          | 515205.85           | 32°24'54.452"N | 103°45'48.055"W | 1.79          |                   |
| 5904.00 | 19.300          | 209.000     | 5862.72  | 242.88         | -137.13    | -209.91   | 675866.40          | 515165.58           | 32°24'54.054"N | 103°45'48.365"W | 3.21          |                   |
| 6040.00 | 23.100          | 213.300     | 5989.50  | 291.10         | -179.10    | -235.47   | 675840.85          | 515123.61           | 32°24'53.640"N | 103°45'48.666"W | 3.02          |                   |
| 6175.00 | 26.700          | 216.800     | 6111.93  | 347.44         | -225.54    | -268.19   | 675808.13          | 515077.17           | 32°24'53.183"N | 103°45'49.051"W | 2.88          |                   |
| 6309.00 | 26.700          | 226.400     | 6231.70  | 407.46         | -270.43    | -308.04   | 675768.28          | 515032.29           | 32°24'52.741"N | 103°45'49.518"W | 3.22          |                   |
| 6444.00 | 27.000          | 235.600     | 6352.20  | 467.59         | -308.67    | -355.31   | 675721.01          | 514994.04           | 32°24'52.365"N | 103°45'50.072"W | 3.08          |                   |
| 6580.00 | 30.200          | 236.000     | 6471.59  | 530.92         | -345.25    | -409.15   | 675667.17          | 514957.47           | 32°24'52.006"N | 103°45'50.702"W | 2.36          |                   |
| 6715.00 | 32.400          | 233.000     | 6586.94  | 599.51         | -386.01    | -466.20   | 675610.13          | 514916.71           | 32°24'51.605"N | 103°45'51.370"W | 2.00          |                   |
| 6850.00 | 35.100          | 231.700     | 6699.18  | 673.39         | -431.85    | -525.55   | 675550.78          | 514870.88           | 32°24'51.155"N | 103°45'52.066"W | 2.07          |                   |
| 6986.00 | 38.800          | 230.000     | 6807.85  | 754.25         | -483.49    | -588.90   | 675487.43          | 514819.24           | 32°24'50.647"N | 103°45'52.808"W | 2.82          |                   |
| 7121.00 | 40.200          | 227.500     | 6912.03  | 839.59         | -540.11    | -653.43   | 675422.90          | 514762.62           | 32°24'50.090"N | 103°45'53.564"W | 1.57          |                   |
| 7256.00 | 41.300          | 225.300     | 7014.30  | 927.50         | -600.89    | -717.23   | 675359.11          | 514701.84           | 32°24'49.492"N | 103°45'54.312"W | 1.34          |                   |
| 7392.00 | 44.900          | 222.700     | 7113.59  | 1020.36        | -667.76    | -781.70   | 675294.64          | 514634.98           | 32°24'48.834"N | 103°45'55.068"W | 2.95          |                   |
| 7527.00 | 45.700          | 220.600     | 7208.56  | 1116.30        | -739.46    | -845.46   | 675230.89          | 514563.28           | 32°24'48.128"N | 103°45'55.816"W | 1.25          |                   |
| 7662.00 | 47.700          | 216.600     | 7301.16  | 1214.28        | -816.25    | -906.68   | 675169.67          | 514486.50           | 32°24'47.371"N | 103°45'56.535"W | 2.62          |                   |
| 7798.00 | 49.000          | 216.400     | 7391.54  | 1315.34        | -897.94    | -967.13   | 675109.23          | 514404.82           | 32°24'46.566"N | 103°45'57.245"W | 0.96          |                   |
| 7933.00 | 48.300          | 214.300     | 7480.73  | 1415.90        | -980.58    | -1025.76  | 675050.60          | 514322.18           | 32°24'45.751"N | 103°45'57.934"W | 1.28          |                   |
| 8068.00 | 48.800          | 214.800     | 7570.10  | 1516.12        | -1063.92   | -1083.15  | 674993.21          | 514238.84           | 32°24'44.930"N | 103°45'58.609"W | 0.46          |                   |
| 8203.00 | 48.100          | 215.200     | 7659.64  | 1616.29        | -1146.68   | -1141.10  | 674935.27          | 514156.09           | 32°24'44.114"N | 103°45'59.290"W | 0.56          |                   |
| 8293.00 | 48.500          | 215.200     | 7719.51  | 1682.95        | -1201.59   | -1179.83  | 674896.54          | 514101.18           | 32°24'43.573"N | 103°45'59.745"W | 0.44          |                   |
| 8427.00 | 47.300          | 218.900     | 7809.36  | 1781.89        | -1280.93   | -1239.69  | 674836.68          | 514021.84           | 32°24'42.791"N | 103°46'00.448"W | 2.24          |                   |
| 8562.00 | 42.900          | 218.000     | 7904.63  | 1877.26        | -1355.78   | -1299.16  | 674777.21          | 513947.00           | 32°24'42.053"N | 103°46'01.146"W | 3.29          |                   |
| 8698.00 | 44.400          | 217.800     | 8003.04  | 1970.84        | -1429.86   | -1356.82  | 674719.55          | 513872.93           | 32°24'41.323"N | 103°46'01.824"W | 1.11          |                   |
| 8834.00 | 46.400          | 216.000     | 8098.53  | 2067.20        | -1507.30   | -1414.94  | 674661.44          | 513795.49           | 32°24'40.560"N | 103°46'02.506"W | 1.75          |                   |
| 8970.00 | 46.400          | 216.000     | 8192.32  | 2165.06        | -1586.98   | -1472.83  | 674603.56          | 513715.81           | 32°24'39.775"N | 103°46'03.186"W | 0.00          |                   |
| 9113.00 | 37.500          | 215.000     | 8298.56  | 2259.86        | -1664.68   | -1528.34  | 674548.05          | 513638.12           | 32°24'39.009"N | 103°46'03.839"W | 6.24          |                   |
| 9158.00 | 37.500          | 215.000     | 8334.26  | 2287.02        | -1687.12   | -1544.05  | 674532.34          | 513615.68           | 32°24'38.787"N | 103°46'04.023"W | 0.00          | Projection to Bit |

## WELLPATH COMPOSITION Ref Wellbore: 10 Fed No.3 AWB ST01 Ref Wellpath: 10 Fed No.3 AWB ST01

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model           | Log Name/Comment | Wellbore             |
|---------------|-------------|----------------------------------------|------------------|----------------------|
| 16.50         | 646.00      | Generic gyro - northseeking (Standard) | Gyro             | 10 Fed No.3 AWB      |
| 646.00        | 6175.00     | NaviTrak (Standard)                    | MWD              | 10 Fed No.3 AWB      |
| 6175.00       | 9158.00     | NaviTrak (Standard)                    | MWD              | 10 Fed No.3 AWB ST01 |