



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)  
Site: RED TANK 30-31 STATE  
Well: Red Tank 30-31 State 24Y  
Wellbore: WB00  
Design: Permitting Plan

# WELL DETAILS: Red Tank 30-31 State 24Y

+N/-S 0.00  
+E/-W 0.00

Northing  
498933.50

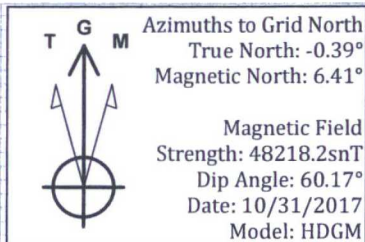
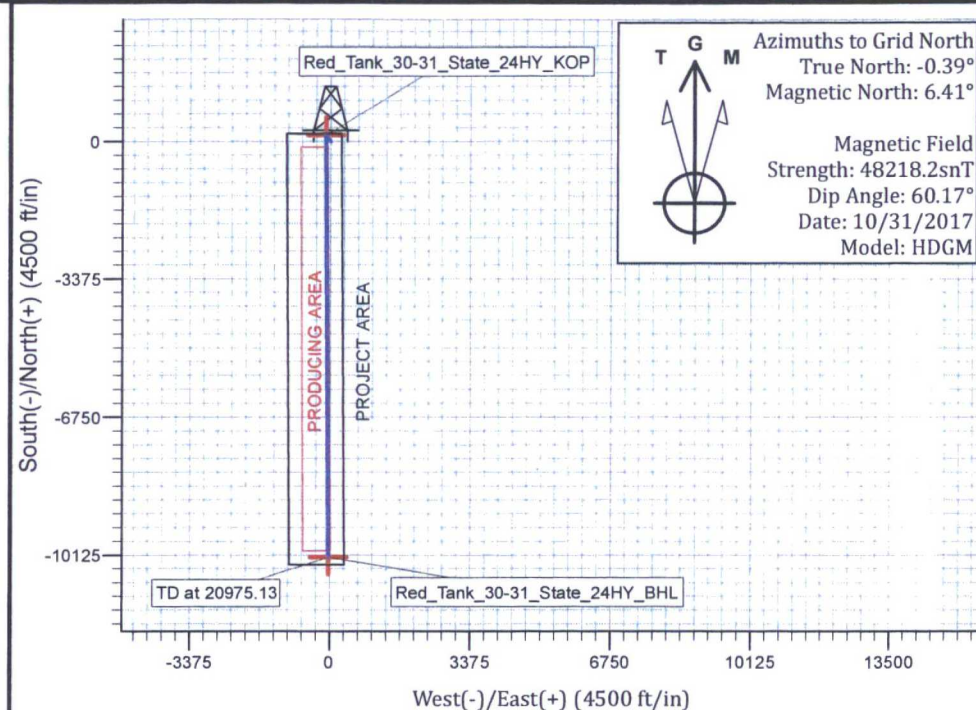
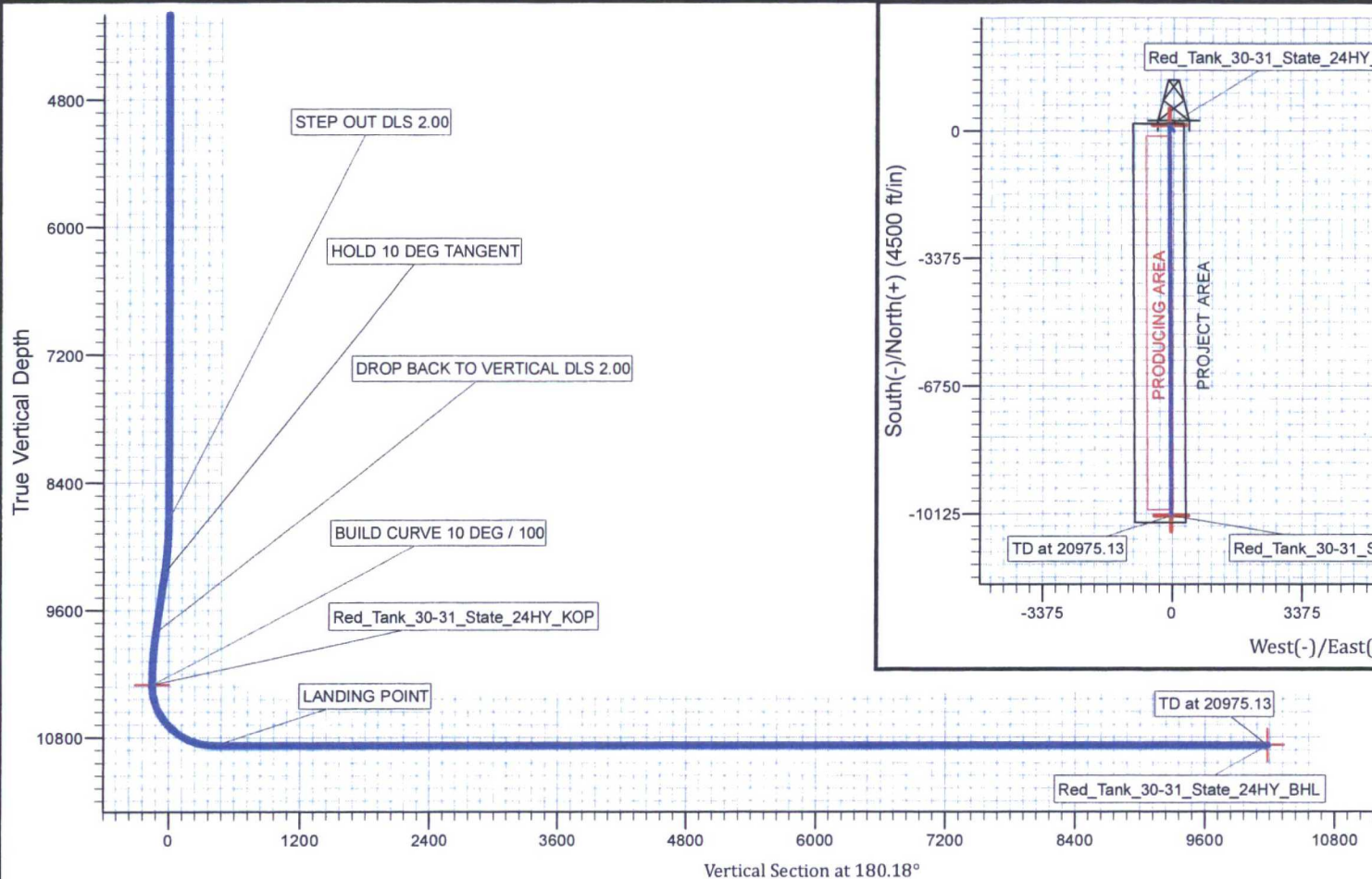
Ground Level: 3660.10

Easting  
766534.99

Latitude  
32° 22' 10.301772 N

Longitude  
103° 36' 14.147098 W

Datum @ 3686.60ft



## PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD 1983)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

## SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD      | +N/-S     | +E/-W   | Dleg  | TFace  | VSect    | Target | Annotation                     |
|-----|----------|-------|--------|----------|-----------|---------|-------|--------|----------|--------|--------------------------------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00     | 0.00      | 0.00    | 0.00  | 0.00   | 0.00     |        |                                |
| 2   | 8747.00  | 0.00  | 0.00   | 8747.00  | 0.00      | 0.00    | 0.00  | 0.00   | 0.00     |        | STEP OUT DLS 2.00              |
| 3   | 9247.22  | 10.00 | 323.35 | 9244.68  | 34.95     | -26.00  | 2.00  | 323.35 | -34.87   |        | HOLD 10 DEG TANGENT            |
| 4   | 9817.57  | 10.00 | 323.35 | 9806.36  | 114.45    | -85.14  | 0.00  | 0.00   | -114.18  |        | DROP BACK TO VERTICAL DLS 2.00 |
| 5   | 10317.79 | 0.00  | 179.56 | 10304.04 | 149.40    | -111.14 | 2.00  | 180.00 | -149.05  |        | BUILD CURVE 10 DEG / 100       |
| 6   | 11217.79 | 90.00 | 179.56 | 10877.00 | -423.55   | -106.75 | 10.00 | 179.56 | 423.88   |        | LANDING POINT                  |
| 7   | 20975.13 | 90.00 | 179.56 | 10877.00 | -10180.60 | -31.96  | 0.00  | 0.00   | 10180.65 |        | TD at 20975.13                 |

## Oxy Planning Report

**Database:** HOPSPP  
**Company:** ENGINEERING DESIGNS  
**Project:** PRD NM DIRECTIONAL PLANS (NAD 1983)  
**Site:** RED TANK 30-31 STATE  
**Well:** Red Tank 30-31 State 24Y  
**Wellbore:** WB00  
**Design:** Permitting Plan

**Local Co-ordinate Reference:** Well Red Tank 30-31 State 24Y  
**TVD Reference:** Datum @ 3686.60ft  
**MD Reference:** Datum @ 3686.60ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

|                    |                                     |                      |                             |
|--------------------|-------------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | PRD NM DIRECTIONAL PLANS (NAD 1983) |                      |                             |
| <b>Map System:</b> | US State Plane 1983                 | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983           |                      |                             |
| <b>Map Zone:</b>   | New Mexico Eastern Zone             |                      | Using geodetic scale factor |

|                       |                      |              |                 |                   |                      |
|-----------------------|----------------------|--------------|-----------------|-------------------|----------------------|
| Site                  | RED TANK 30-31 STATE |              |                 |                   |                      |
| Site Position:        |                      | Northing:    | 498,933.39 usft | Latitude:         | 32° 22' 10.302032 N  |
| From:                 | Map                  | Easting:     | 766,514.99 usft | Longitude:        | 103° 36' 14.380295 W |
| Position Uncertainty: | 0.00 ft              | Slot Radius: | 13.200 in       | Grid Convergence: | 0.39 °               |

|                      |                          |          |                     |                 |               |                      |
|----------------------|--------------------------|----------|---------------------|-----------------|---------------|----------------------|
| Well                 | Red Tank 30-31 State 24Y |          |                     |                 |               |                      |
| Well Position        | +N/-S                    | 0.11 ft  | Northing:           | 498,933.50 usft | Latitude:     | 32° 22' 10.301772 N  |
|                      | +E/-W                    | 20.00 ft | Easting:            | 766,534.99 usft | Longitude:    | 103° 36' 14.147098 W |
| Position Uncertainty |                          | 0.00 ft  | Wellhead Elevation: | 0.00 ft         | Ground Level: | 3,660.10 ft          |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | WB00              |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 10/31/2017         | 6.80                   | 60.17                | 48,218                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Permitting Plan              |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 180.18               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                  |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target           |
| 0.00                 | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 8,747.00             | 0.00            | 0.00        | 8,747.00            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 9,247.22             | 10.00           | 323.35      | 9,244.68            | 34.95      | -26.00     | 2.00                  | 2.00                 | 0.00                | 323.35  |                  |
| 9,817.57             | 10.00           | 323.35      | 9,806.36            | 114.45     | -85.14     | 0.00                  | 0.00                 | 0.00                | 0.00    |                  |
| 10,317.79            | 0.00            | 179.56      | 10,304.04           | 149.40     | -111.14    | 2.00                  | -2.00                | 0.00                | 180.00  | Red_Tank_30-31_S |
| 11,217.79            | 90.00           | 179.56      | 10,877.00           | -423.55    | -106.75    | 10.00                 | 10.00                | 0.00                | 179.56  |                  |
| 20,975.13            | 90.00           | 179.56      | 10,877.00           | -10,180.60 | -31.96     | 0.00                  | 0.00                 | 0.00                | 0.00    | Red_Tank_30-31_S |



# Oxy Planning Report

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**Well:** Red Tank 30-31 State 24Y  
**Wellbore:** WB00  
**Design:** Permitting Plan

**Local Co-ordinate Reference:** Well Red Tank 30-31 State 24Y  
**TVD Reference:** Datum @ 3686.60ft  
**MD Reference:** Datum @ 3686.60ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

## Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00              | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 200.00              | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 300.00              | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 400.00              | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 500.00              | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 900.00              | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,000.00            | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,100.00            | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,200.00            | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,300.00            | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.00            | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.00            | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,600.00            | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,700.00            | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,800.00            | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,900.00            | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,000.00            | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,100.00            | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.00            | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00            | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00            | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00            | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00            | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00            | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00            | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00            | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00            | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,100.00            | 0.00            | 0.00        | 3,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,200.00            | 0.00            | 0.00        | 3,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,300.00            | 0.00            | 0.00        | 3,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,400.00            | 0.00            | 0.00        | 3,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,500.00            | 0.00            | 0.00        | 3,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,600.00            | 0.00            | 0.00        | 3,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,700.00            | 0.00            | 0.00        | 3,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,800.00            | 0.00            | 0.00        | 3,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,900.00            | 0.00            | 0.00        | 3,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,000.00            | 0.00            | 0.00        | 4,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,100.00            | 0.00            | 0.00        | 4,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,200.00            | 0.00            | 0.00        | 4,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,300.00            | 0.00            | 0.00        | 4,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,400.00            | 0.00            | 0.00        | 4,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,500.00            | 0.00            | 0.00        | 4,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,600.00            | 0.00            | 0.00        | 4,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,700.00            | 0.00            | 0.00        | 4,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,800.00            | 0.00            | 0.00        | 4,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,900.00            | 0.00            | 0.00        | 4,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,000.00            | 0.00            | 0.00        | 5,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,100.00            | 0.00            | 0.00        | 5,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,200.00            | 0.00            | 0.00        | 5,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,300.00            | 0.00            | 0.00        | 5,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |

## Oxy Planning Report

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**Company:** ENGINEERING DESIGNS  
**Project:** PRD NM DIRECTIONAL PLANS (NAD 1983)  
**Site:** RED TANK 30-31 STATE  
**Well:** Red Tank 30-31 State 24Y  
**Wellbore:** WB00  
**Design:** Permitting Plan

**Local Co-ordinate Reference:** Well Red Tank 30-31 State 24Y  
**TVD Reference:** Datum @ 3686.60ft  
**MD Reference:** Datum @ 3686.60ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,400.00            | 0.00            | 0.00        | 5,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,500.00            | 0.00            | 0.00        | 5,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,600.00            | 0.00            | 0.00        | 5,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,700.00            | 0.00            | 0.00        | 5,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,800.00            | 0.00            | 0.00        | 5,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,900.00            | 0.00            | 0.00        | 5,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,000.00            | 0.00            | 0.00        | 6,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,100.00            | 0.00            | 0.00        | 6,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,200.00            | 0.00            | 0.00        | 6,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,300.00            | 0.00            | 0.00        | 6,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,400.00            | 0.00            | 0.00        | 6,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,500.00            | 0.00            | 0.00        | 6,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,600.00            | 0.00            | 0.00        | 6,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,700.00            | 0.00            | 0.00        | 6,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,800.00            | 0.00            | 0.00        | 6,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,900.00            | 0.00            | 0.00        | 6,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,000.00            | 0.00            | 0.00        | 7,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,100.00            | 0.00            | 0.00        | 7,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,200.00            | 0.00            | 0.00        | 7,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,300.00            | 0.00            | 0.00        | 7,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,400.00            | 0.00            | 0.00        | 7,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,500.00            | 0.00            | 0.00        | 7,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,600.00            | 0.00            | 0.00        | 7,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,700.00            | 0.00            | 0.00        | 7,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,800.00            | 0.00            | 0.00        | 7,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,900.00            | 0.00            | 0.00        | 7,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,000.00            | 0.00            | 0.00        | 8,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,100.00            | 0.00            | 0.00        | 8,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,200.00            | 0.00            | 0.00        | 8,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,300.00            | 0.00            | 0.00        | 8,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,400.00            | 0.00            | 0.00        | 8,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,500.00            | 0.00            | 0.00        | 8,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,600.00            | 0.00            | 0.00        | 8,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,700.00            | 0.00            | 0.00        | 8,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,747.00            | 0.00            | 0.00        | 8,747.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 8,800.00            | 1.06            | 323.35      | 8,800.00            | 0.39       | -0.29      | -0.39                 | 2.00                  | 2.00                 | 0.00                |
| 8,900.00            | 3.06            | 323.35      | 8,899.93            | 3.28       | -2.44      | -3.27                 | 2.00                  | 2.00                 | 0.00                |
| 9,000.00            | 5.06            | 323.35      | 8,999.67            | 8.96       | -6.66      | -8.94                 | 2.00                  | 2.00                 | 0.00                |
| 9,100.00            | 7.06            | 323.35      | 9,099.11            | 17.43      | -12.97     | -17.39                | 2.00                  | 2.00                 | 0.00                |
| 9,200.00            | 9.06            | 323.35      | 9,198.11            | 28.68      | -21.33     | -28.61                | 2.00                  | 2.00                 | 0.00                |
| 9,247.22            | 10.00           | 323.35      | 9,244.68            | 34.95      | -26.00     | -34.87                | 2.00                  | 2.00                 | 0.00                |
| 9,300.00            | 10.00           | 323.35      | 9,296.66            | 42.31      | -31.47     | -42.21                | 0.00                  | 0.00                 | 0.00                |
| 9,400.00            | 10.00           | 323.35      | 9,395.14            | 56.24      | -41.84     | -56.11                | 0.00                  | 0.00                 | 0.00                |
| 9,500.00            | 10.00           | 323.35      | 9,493.62            | 70.18      | -52.21     | -70.02                | 0.00                  | 0.00                 | 0.00                |
| 9,600.00            | 10.00           | 323.35      | 9,592.10            | 84.12      | -62.58     | -83.92                | 0.00                  | 0.00                 | 0.00                |
| 9,700.00            | 10.00           | 323.35      | 9,690.58            | 98.06      | -72.95     | -97.83                | 0.00                  | 0.00                 | 0.00                |
| 9,800.00            | 10.00           | 323.35      | 9,789.06            | 112.00     | -83.32     | -111.73               | 0.00                  | 0.00                 | 0.00                |
| 9,817.57            | 10.00           | 323.35      | 9,806.36            | 114.45     | -85.14     | -114.18               | 0.00                  | 0.00                 | 0.00                |
| 9,900.00            | 8.36            | 323.35      | 9,887.73            | 125.00     | -92.99     | -124.70               | 2.00                  | -2.00                | 0.00                |
| 10,000.00           | 6.36            | 323.35      | 9,986.90            | 135.27     | -100.63    | -134.95               | 2.00                  | -2.00                | 0.00                |
| 10,100.00           | 4.36            | 323.35      | 10,086.46           | 142.76     | -106.20    | -142.42               | 2.00                  | -2.00                | 0.00                |
| 10,200.00           | 2.36            | 323.35      | 10,186.29           | 147.45     | -109.70    | -147.11               | 2.00                  | -2.00                | 0.00                |
| 10,300.00           | 0.36            | 323.35      | 10,286.25           | 149.35     | -111.11    | -149.00               | 2.00                  | -2.00                | 0.00                |
| 10,317.79           | 0.00            | 179.56      | 10,304.04           | 149.40     | -111.14    | -149.05               | 2.00                  | -2.00                | 0.00                |



# Oxy Planning Report

Database: HOPSPP  
Company: ENGINEERING DESIGNS  
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)  
Site: RED TANK 30-31 STATE  
Well: Red Tank 30-31 State 24Y  
Wellbore: WB00  
Design: Permitting Plan

Local Co-ordinate Reference: Well Red Tank 30-31 State 24Y  
TVD Reference: Datum @ 3686.60ft  
MD Reference: Datum @ 3686.60ft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

## Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 10,400.00           | 8.22            | 179.56      | 10,385.97           | 143.51     | -111.10    | -143.16               | 10.00                 | 10.00                | 0.00                |
| 10,500.00           | 18.22           | 179.56      | 10,483.20           | 120.67     | -110.92    | -120.32               | 10.00                 | 10.00                | 0.00                |
| 10,600.00           | 28.22           | 179.56      | 10,574.98           | 81.29      | -110.62    | -80.94                | 10.00                 | 10.00                | 0.00                |
| 10,700.00           | 38.22           | 179.56      | 10,658.53           | 26.57      | -110.20    | -26.23                | 10.00                 | 10.00                | 0.00                |
| 10,800.00           | 48.22           | 179.56      | 10,731.31           | -41.82     | -109.68    | 42.16                 | 10.00                 | 10.00                | 0.00                |
| 10,900.00           | 58.22           | 179.56      | 10,791.10           | -121.81    | -109.06    | 122.15                | 10.00                 | 10.00                | 0.00                |
| 11,000.00           | 68.22           | 179.56      | 10,836.10           | -210.97    | -108.38    | 211.31                | 10.00                 | 10.00                | 0.00                |
| 11,100.00           | 78.22           | 179.56      | 10,864.93           | -306.59    | -107.65    | 306.93                | 10.00                 | 10.00                | 0.00                |
| 11,200.00           | 88.22           | 179.56      | 10,876.72           | -405.76    | -106.89    | 406.09                | 10.00                 | 10.00                | 0.00                |
| 11,217.79           | 90.00           | 179.56      | 10,877.00           | -423.55    | -106.75    | 423.88                | 10.00                 | 10.00                | 0.00                |
| 11,300.00           | 90.00           | 179.56      | 10,877.00           | -505.76    | -106.12    | 506.09                | 0.00                  | 0.00                 | 0.00                |
| 11,400.00           | 90.00           | 179.56      | 10,877.00           | -605.75    | -105.36    | 606.08                | 0.00                  | 0.00                 | 0.00                |
| 11,500.00           | 90.00           | 179.56      | 10,877.00           | -705.75    | -104.59    | 706.07                | 0.00                  | 0.00                 | 0.00                |
| 11,600.00           | 90.00           | 179.56      | 10,877.00           | -805.75    | -103.82    | 806.07                | 0.00                  | 0.00                 | 0.00                |
| 11,700.00           | 90.00           | 179.56      | 10,877.00           | -905.74    | -103.06    | 906.06                | 0.00                  | 0.00                 | 0.00                |
| 11,800.00           | 90.00           | 179.56      | 10,877.00           | -1,005.74  | -102.29    | 1,006.06              | 0.00                  | 0.00                 | 0.00                |
| 11,900.00           | 90.00           | 179.56      | 10,877.00           | -1,105.74  | -101.52    | 1,106.05              | 0.00                  | 0.00                 | 0.00                |
| 12,000.00           | 90.00           | 179.56      | 10,877.00           | -1,205.73  | -100.76    | 1,206.04              | 0.00                  | 0.00                 | 0.00                |
| 12,100.00           | 90.00           | 179.56      | 10,877.00           | -1,305.73  | -99.99     | 1,306.04              | 0.00                  | 0.00                 | 0.00                |
| 12,200.00           | 90.00           | 179.56      | 10,877.00           | -1,405.73  | -99.22     | 1,406.03              | 0.00                  | 0.00                 | 0.00                |
| 12,300.00           | 90.00           | 179.56      | 10,877.00           | -1,505.73  | -98.46     | 1,506.03              | 0.00                  | 0.00                 | 0.00                |
| 12,400.00           | 90.00           | 179.56      | 10,877.00           | -1,605.72  | -97.69     | 1,606.02              | 0.00                  | 0.00                 | 0.00                |
| 12,500.00           | 90.00           | 179.56      | 10,877.00           | -1,705.72  | -96.92     | 1,706.02              | 0.00                  | 0.00                 | 0.00                |
| 12,600.00           | 90.00           | 179.56      | 10,877.00           | -1,805.72  | -96.16     | 1,806.01              | 0.00                  | 0.00                 | 0.00                |
| 12,700.00           | 90.00           | 179.56      | 10,877.00           | -1,905.71  | -95.39     | 1,906.00              | 0.00                  | 0.00                 | 0.00                |
| 12,800.00           | 90.00           | 179.56      | 10,877.00           | -2,005.71  | -94.62     | 2,006.00              | 0.00                  | 0.00                 | 0.00                |
| 12,900.00           | 90.00           | 179.56      | 10,877.00           | -2,105.71  | -93.86     | 2,105.99              | 0.00                  | 0.00                 | 0.00                |
| 13,000.00           | 90.00           | 179.56      | 10,877.00           | -2,205.71  | -93.09     | 2,205.99              | 0.00                  | 0.00                 | 0.00                |
| 13,100.00           | 90.00           | 179.56      | 10,877.00           | -2,305.70  | -92.32     | 2,305.98              | 0.00                  | 0.00                 | 0.00                |
| 13,200.00           | 90.00           | 179.56      | 10,877.00           | -2,405.70  | -91.56     | 2,405.97              | 0.00                  | 0.00                 | 0.00                |
| 13,300.00           | 90.00           | 179.56      | 10,877.00           | -2,505.70  | -90.79     | 2,505.97              | 0.00                  | 0.00                 | 0.00                |
| 13,400.00           | 90.00           | 179.56      | 10,877.00           | -2,605.69  | -90.03     | 2,605.96              | 0.00                  | 0.00                 | 0.00                |
| 13,500.00           | 90.00           | 179.56      | 10,877.00           | -2,705.69  | -89.26     | 2,705.96              | 0.00                  | 0.00                 | 0.00                |
| 13,600.00           | 90.00           | 179.56      | 10,877.00           | -2,805.69  | -88.49     | 2,805.95              | 0.00                  | 0.00                 | 0.00                |
| 13,700.00           | 90.00           | 179.56      | 10,877.00           | -2,905.68  | -87.73     | 2,905.95              | 0.00                  | 0.00                 | 0.00                |
| 13,800.00           | 90.00           | 179.56      | 10,877.00           | -3,005.68  | -86.96     | 3,005.94              | 0.00                  | 0.00                 | 0.00                |
| 13,900.00           | 90.00           | 179.56      | 10,877.00           | -3,105.68  | -86.19     | 3,105.93              | 0.00                  | 0.00                 | 0.00                |
| 14,000.00           | 90.00           | 179.56      | 10,877.00           | -3,205.68  | -85.43     | 3,205.93              | 0.00                  | 0.00                 | 0.00                |
| 14,100.00           | 90.00           | 179.56      | 10,877.00           | -3,305.67  | -84.66     | 3,305.92              | 0.00                  | 0.00                 | 0.00                |
| 14,200.00           | 90.00           | 179.56      | 10,877.00           | -3,405.67  | -83.89     | 3,405.92              | 0.00                  | 0.00                 | 0.00                |
| 14,300.00           | 90.00           | 179.56      | 10,877.00           | -3,505.67  | -83.13     | 3,505.91              | 0.00                  | 0.00                 | 0.00                |
| 14,400.00           | 90.00           | 179.56      | 10,877.00           | -3,605.66  | -82.36     | 3,605.90              | 0.00                  | 0.00                 | 0.00                |
| 14,500.00           | 90.00           | 179.56      | 10,877.00           | -3,705.66  | -81.59     | 3,705.90              | 0.00                  | 0.00                 | 0.00                |
| 14,600.00           | 90.00           | 179.56      | 10,877.00           | -3,805.66  | -80.83     | 3,805.89              | 0.00                  | 0.00                 | 0.00                |
| 14,700.00           | 90.00           | 179.56      | 10,877.00           | -3,905.66  | -80.06     | 3,905.89              | 0.00                  | 0.00                 | 0.00                |
| 14,800.00           | 90.00           | 179.56      | 10,877.00           | -4,005.65  | -79.29     | 4,005.88              | 0.00                  | 0.00                 | 0.00                |
| 14,900.00           | 90.00           | 179.56      | 10,877.00           | -4,105.65  | -78.53     | 4,105.88              | 0.00                  | 0.00                 | 0.00                |
| 15,000.00           | 90.00           | 179.56      | 10,877.00           | -4,205.65  | -77.76     | 4,205.87              | 0.00                  | 0.00                 | 0.00                |
| 15,100.00           | 90.00           | 179.56      | 10,877.00           | -4,305.64  | -76.99     | 4,305.86              | 0.00                  | 0.00                 | 0.00                |
| 15,200.00           | 90.00           | 179.56      | 10,877.00           | -4,405.64  | -76.23     | 4,405.86              | 0.00                  | 0.00                 | 0.00                |
| 15,300.00           | 90.00           | 179.56      | 10,877.00           | -4,505.64  | -75.46     | 4,505.85              | 0.00                  | 0.00                 | 0.00                |
| 15,400.00           | 90.00           | 179.56      | 10,877.00           | -4,605.63  | -74.70     | 4,605.85              | 0.00                  | 0.00                 | 0.00                |
| 15,500.00           | 90.00           | 179.56      | 10,877.00           | -4,705.63  | -73.93     | 4,705.84              | 0.00                  | 0.00                 | 0.00                |
| 15,600.00           | 90.00           | 179.56      | 10,877.00           | -4,805.63  | -73.16     | 4,805.83              | 0.00                  | 0.00                 | 0.00                |



# Oxy Planning Report

Database: HOPSP  
Company: ENGINEERING DESIGNS  
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)  
Site: RED TANK 30-31 STATE  
Well: Red Tank 30-31 State 24Y  
Wellbore: WB00  
Design: Permitting Plan

Local Co-ordinate Reference: Well Red Tank 30-31 State 24Y  
TVD Reference: Datum @ 3686.60ft  
MD Reference: Datum @ 3686.60ft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

## Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 15,700.00           | 90.00           | 179.56      | 10,877.00           | -4,905.63  | -72.40     | 4,905.83              | 0.00                  | 0.00                 | 0.00                |
| 15,800.00           | 90.00           | 179.56      | 10,877.00           | -5,005.62  | -71.63     | 5,005.82              | 0.00                  | 0.00                 | 0.00                |
| 15,900.00           | 90.00           | 179.56      | 10,877.00           | -5,105.62  | -70.86     | 5,105.82              | 0.00                  | 0.00                 | 0.00                |
| 16,000.00           | 90.00           | 179.56      | 10,877.00           | -5,205.62  | -70.10     | 5,205.81              | 0.00                  | 0.00                 | 0.00                |
| 16,100.00           | 90.00           | 179.56      | 10,877.00           | -5,305.61  | -69.33     | 5,305.81              | 0.00                  | 0.00                 | 0.00                |
| 16,200.00           | 90.00           | 179.56      | 10,877.00           | -5,405.61  | -68.56     | 5,405.80              | 0.00                  | 0.00                 | 0.00                |
| 16,300.00           | 90.00           | 179.56      | 10,877.00           | -5,505.61  | -67.80     | 5,505.79              | 0.00                  | 0.00                 | 0.00                |
| 16,400.00           | 90.00           | 179.56      | 10,877.00           | -5,605.61  | -67.03     | 5,605.79              | 0.00                  | 0.00                 | 0.00                |
| 16,500.00           | 90.00           | 179.56      | 10,877.00           | -5,705.60  | -66.26     | 5,705.78              | 0.00                  | 0.00                 | 0.00                |
| 16,600.00           | 90.00           | 179.56      | 10,877.00           | -5,805.60  | -65.50     | 5,805.78              | 0.00                  | 0.00                 | 0.00                |
| 16,700.00           | 90.00           | 179.56      | 10,877.00           | -5,905.60  | -64.73     | 5,905.77              | 0.00                  | 0.00                 | 0.00                |
| 16,800.00           | 90.00           | 179.56      | 10,877.00           | -6,005.59  | -63.96     | 6,005.76              | 0.00                  | 0.00                 | 0.00                |
| 16,900.00           | 90.00           | 179.56      | 10,877.00           | -6,105.59  | -63.20     | 6,105.76              | 0.00                  | 0.00                 | 0.00                |
| 17,000.00           | 90.00           | 179.56      | 10,877.00           | -6,205.59  | -62.43     | 6,205.75              | 0.00                  | 0.00                 | 0.00                |
| 17,100.00           | 90.00           | 179.56      | 10,877.00           | -6,305.58  | -61.66     | 6,305.75              | 0.00                  | 0.00                 | 0.00                |
| 17,200.00           | 90.00           | 179.56      | 10,877.00           | -6,405.58  | -60.90     | 6,405.74              | 0.00                  | 0.00                 | 0.00                |
| 17,300.00           | 90.00           | 179.56      | 10,877.00           | -6,505.58  | -60.13     | 6,505.74              | 0.00                  | 0.00                 | 0.00                |
| 17,400.00           | 90.00           | 179.56      | 10,877.00           | -6,605.58  | -59.36     | 6,605.73              | 0.00                  | 0.00                 | 0.00                |
| 17,500.00           | 90.00           | 179.56      | 10,877.00           | -6,705.57  | -58.60     | 6,705.72              | 0.00                  | 0.00                 | 0.00                |
| 17,600.00           | 90.00           | 179.56      | 10,877.00           | -6,805.57  | -57.83     | 6,805.72              | 0.00                  | 0.00                 | 0.00                |
| 17,700.00           | 90.00           | 179.56      | 10,877.00           | -6,905.57  | -57.07     | 6,905.71              | 0.00                  | 0.00                 | 0.00                |
| 17,800.00           | 90.00           | 179.56      | 10,877.00           | -7,005.56  | -56.30     | 7,005.71              | 0.00                  | 0.00                 | 0.00                |
| 17,900.00           | 90.00           | 179.56      | 10,877.00           | -7,105.56  | -55.53     | 7,105.70              | 0.00                  | 0.00                 | 0.00                |
| 18,000.00           | 90.00           | 179.56      | 10,877.00           | -7,205.56  | -54.77     | 7,205.69              | 0.00                  | 0.00                 | 0.00                |
| 18,100.00           | 90.00           | 179.56      | 10,877.00           | -7,305.56  | -54.00     | 7,305.69              | 0.00                  | 0.00                 | 0.00                |
| 18,200.00           | 90.00           | 179.56      | 10,877.00           | -7,405.55  | -53.23     | 7,405.68              | 0.00                  | 0.00                 | 0.00                |
| 18,300.00           | 90.00           | 179.56      | 10,877.00           | -7,505.55  | -52.47     | 7,505.68              | 0.00                  | 0.00                 | 0.00                |
| 18,400.00           | 90.00           | 179.56      | 10,877.00           | -7,605.55  | -51.70     | 7,605.67              | 0.00                  | 0.00                 | 0.00                |
| 18,500.00           | 90.00           | 179.56      | 10,877.00           | -7,705.54  | -50.93     | 7,705.67              | 0.00                  | 0.00                 | 0.00                |
| 18,600.00           | 90.00           | 179.56      | 10,877.00           | -7,805.54  | -50.17     | 7,805.66              | 0.00                  | 0.00                 | 0.00                |
| 18,700.00           | 90.00           | 179.56      | 10,877.00           | -7,905.54  | -49.40     | 7,905.65              | 0.00                  | 0.00                 | 0.00                |
| 18,800.00           | 90.00           | 179.56      | 10,877.00           | -8,005.53  | -48.63     | 8,005.65              | 0.00                  | 0.00                 | 0.00                |
| 18,900.00           | 90.00           | 179.56      | 10,877.00           | -8,105.53  | -47.87     | 8,105.64              | 0.00                  | 0.00                 | 0.00                |
| 19,000.00           | 90.00           | 179.56      | 10,877.00           | -8,205.53  | -47.10     | 8,205.64              | 0.00                  | 0.00                 | 0.00                |
| 19,100.00           | 90.00           | 179.56      | 10,877.00           | -8,305.53  | -46.33     | 8,305.63              | 0.00                  | 0.00                 | 0.00                |
| 19,200.00           | 90.00           | 179.56      | 10,877.00           | -8,405.52  | -45.57     | 8,405.62              | 0.00                  | 0.00                 | 0.00                |
| 19,300.00           | 90.00           | 179.56      | 10,877.00           | -8,505.52  | -44.80     | 8,505.62              | 0.00                  | 0.00                 | 0.00                |
| 19,400.00           | 90.00           | 179.56      | 10,877.00           | -8,605.52  | -44.03     | 8,605.61              | 0.00                  | 0.00                 | 0.00                |
| 19,500.00           | 90.00           | 179.56      | 10,877.00           | -8,705.51  | -43.27     | 8,705.61              | 0.00                  | 0.00                 | 0.00                |
| 19,600.00           | 90.00           | 179.56      | 10,877.00           | -8,805.51  | -42.50     | 8,805.60              | 0.00                  | 0.00                 | 0.00                |
| 19,700.00           | 90.00           | 179.56      | 10,877.00           | -8,905.51  | -41.74     | 8,905.60              | 0.00                  | 0.00                 | 0.00                |
| 19,800.00           | 90.00           | 179.56      | 10,877.00           | -9,005.51  | -40.97     | 9,005.59              | 0.00                  | 0.00                 | 0.00                |
| 19,900.00           | 90.00           | 179.56      | 10,877.00           | -9,105.50  | -40.20     | 9,105.58              | 0.00                  | 0.00                 | 0.00                |
| 20,000.00           | 90.00           | 179.56      | 10,877.00           | -9,205.50  | -39.44     | 9,205.58              | 0.00                  | 0.00                 | 0.00                |
| 20,100.00           | 90.00           | 179.56      | 10,877.00           | -9,305.50  | -38.67     | 9,305.57              | 0.00                  | 0.00                 | 0.00                |
| 20,200.00           | 90.00           | 179.56      | 10,877.00           | -9,405.49  | -37.90     | 9,405.57              | 0.00                  | 0.00                 | 0.00                |
| 20,300.00           | 90.00           | 179.56      | 10,877.00           | -9,505.49  | -37.14     | 9,505.56              | 0.00                  | 0.00                 | 0.00                |
| 20,400.00           | 90.00           | 179.56      | 10,877.00           | -9,605.49  | -36.37     | 9,605.55              | 0.00                  | 0.00                 | 0.00                |
| 20,500.00           | 90.00           | 179.56      | 10,877.00           | -9,705.48  | -35.60     | 9,705.55              | 0.00                  | 0.00                 | 0.00                |
| 20,600.00           | 90.00           | 179.56      | 10,877.00           | -9,805.48  | -34.84     | 9,805.54              | 0.00                  | 0.00                 | 0.00                |
| 20,700.00           | 90.00           | 179.56      | 10,877.00           | -9,905.48  | -34.07     | 9,905.54              | 0.00                  | 0.00                 | 0.00                |
| 20,800.00           | 90.00           | 179.56      | 10,877.00           | -10,005.48 | -33.30     | 10,005.53             | 0.00                  | 0.00                 | 0.00                |
| 20,900.00           | 90.00           | 179.56      | 10,877.00           | -10,105.47 | -32.54     | 10,105.53             | 0.00                  | 0.00                 | 0.00                |
| 20,975.13           | 90.00           | 179.56      | 10,877.00           | -10,180.60 | -31.96     | 10,180.65             | 0.00                  | 0.00                 | 0.00                |

# Oxy

## Planning Report

|                                              |                                                            |
|----------------------------------------------|------------------------------------------------------------|
| Database: HOPSPP                             | Local Co-ordinate Reference: Well Red Tank 30-31 State 24Y |
| Company: ENGINEERING DESIGNS                 | TVD Reference: Datum @ 3686.60ft                           |
| Project: PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference: Datum @ 3686.60ft                            |
| Site: RED TANK 30-31 STATE                   | North Reference: Grid                                      |
| Well: Red Tank 30-31 State 24Y               | Survey Calculation Method: Minimum Curvature               |
| Wellbore: WB00                               |                                                            |
| Design: Permitting Plan                      |                                                            |

### Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|

### Design Targets

| Target Name<br>- hit/miss target<br>- Shape                 | Dip Angle (°) | Dip Dir. (°) | TVD (ft)  | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude            | Longitude          |
|-------------------------------------------------------------|---------------|--------------|-----------|------------|------------|-----------------|----------------|---------------------|--------------------|
| Red_Tank_30-31_Stat<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 10,304.04 | 149.40     | -111.14    | 499,082.89      | 766,423.85     | 32° 22' 11.787484 N | 103° 36' 15.431058 |
| Red_Tank_30-31_Stat<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 10,877.00 | -10,180.60 | -31.96     | 488,753.25      | 766,503.03     | 32° 20' 29.569798 N | 103° 36' 15.328086 |

### Plan Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                        |
|---------------------|---------------------|-------------------|------------|--------------------------------|
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                |
| 8,747.00            | 8,747.00            | 0.00              | 0.00       | STEP OUT DLS 2.00              |
| 9,247.22            | 9,244.68            | 34.95             | -26.00     | HOLD 10 DEG TANGENT            |
| 9,817.57            | 9,806.36            | 114.45            | -85.14     | DROP BACK TO VERTICAL DLS 2.00 |
| 10,317.79           | 10,304.04           | 149.40            | -111.14    | BUILD CURVE 10 DEG / 100       |
| 11,217.79           | 10,877.00           | -423.55           | -106.75    | LANDING POINT                  |
| 20,975.13           | 10,877.00           | -10,180.60        | -31.96     | TD at 20975.13                 |