

**OXY**

**PRD NM DIRECTIONAL PLANS (NAD 1983)  
PLATINUM MDP1 34-3 FED COM  
PLATINUM MDP1 34-3 FED COM 171H**

**WB00**

**Plan: Permitting Plan**

## **Standard Planning Report**

**21 May, 2019**

# Oxy Planning Report

|           |                                     |                              |                                      |
|-----------|-------------------------------------|------------------------------|--------------------------------------|
| Database: | HOPSPP                              | Local Co-ordinate Reference: | Well PLATINUM MDP1 34-3 FED COM 171H |
| Company:  | ENGINEERING DESIGNS                 | TVD Reference:               | RKB=26.5' @ 3449.70ft                |
| Project:  | PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference:                | RKB=26.5' @ 3449.70ft                |
| Site:     | PLATINUM MDP1 34-3 FED COM          | North Reference:             | Grid                                 |
| Well:     | PLATINUM MDP1 34-3 FED COM 171H     | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | WB00                                |                              |                                      |
| Design:   | Permitting Plan                     |                              |                                      |

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

|                       |                            |                   |                      |
|-----------------------|----------------------------|-------------------|----------------------|
| Site:                 | PLATINUM MDP1 34-3 FED COM |                   |                      |
| Site Position:        | From: Map                  | Northing:         | 461,352.44 usft      |
|                       |                            | Easting:          | 714,923.95 usft      |
| Position Uncertainty: | 50.00 ft                   | Slot Radius:      | 13.200 in            |
|                       |                            | Latitude:         | 32° 16' 1.502765 N   |
|                       |                            | Longitude:        | 103° 46' 18.211063 W |
|                       |                            | Grid Convergence: | 0.30 °               |

|                      |                                 |                     |                      |
|----------------------|---------------------------------|---------------------|----------------------|
| Well:                | PLATINUM MDP1 34-3 FED COM 171H |                     |                      |
| Well Position        | +N/-S                           | 181.49 ft           | Northing:            |
|                      | +E/-W                           | 259.04 ft           | Easting:             |
| Position Uncertainty | 2.00 ft                         | Wellhead Elevation: | 0.00 ft              |
|                      |                                 | Latitude:           | 32° 16' 3.285181 N   |
|                      |                                 | Longitude:          | 103° 46' 15.183263 W |
|                      |                                 | Ground Level:       | 3,423.20 ft          |

|            |            |             |                |
|------------|------------|-------------|----------------|
| Wellbore:  | WB00       |             |                |
| Magnetics: | Model Name | Sample Date | Declination    |
|            | HDGM       | 3/28/2018   | 6.88           |
|            |            |             | Dip Angle      |
|            |            |             | 60.02          |
|            |            |             | Field Strength |
|            |            |             | 48,086         |

|                   |                  |           |               |
|-------------------|------------------|-----------|---------------|
| Design:           | Permitting Plan  |           |               |
| Audit Notes:      |                  |           |               |
| Version:          | Phase:           | PROTOTYPE | Tie On Depth: |
|                   |                  |           | 0.00          |
| Vertical Section: | Depth From (TVD) | +N/-S     | +E/-W         |
|                   | (ft)             | (ft)      | (ft)          |
|                   | 0.00             | 0.00      | 0.00          |
|                   |                  |           | Direction     |
|                   |                  |           | (°)           |
|                   |                  |           | 183.60        |

| Plan Sections       |                 |             |                     |            |            |                       |                      |                     |         |                 |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Targets         |
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 4,765.00            | 0.00            | 0.00        | 4,765.00            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 5,264.98            | 10.00           | 317.46      | 5,262.44            | 32.06      | -29.42     | 2.00                  | 2.00                 | 0.00                | 317.46  |                 |
| 10,512.40           | 10.00           | 317.46      | 10,430.15           | 703.40     | -645.48    | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 11,444.46           | 10.00           | 179.74      | 11,356.24           | 681.91     | -700.31    | 2.00                  | 0.00                 | -14.78              | -158.56 |                 |
| 12,246.11           | 90.16           | 179.74      | 11,829.70           | 116.02     | -697.72    | 10.00                 | 10.00                | 0.00                | 0.00    | FTP (Platinum)  |
| 22,695.86           | 90.16           | 179.74      | 11,799.70           | -10,333.58 | -649.93    | 0.00                  | 0.00                 | 0.00                | 0.00    | PBHL (Platinum) |

# Oxy Planning Report

|           |                                     |                              |                                      |
|-----------|-------------------------------------|------------------------------|--------------------------------------|
| Database: | HOPSPP                              | Local Co-ordinate Reference: | Well PLATINUM MDP1 34-3 FED COM 171H |
| Company:  | ENGINEERING DESIGNS                 | TVD Reference:               | RKB=26.5' @ 3449.70ft                |
| Project:  | PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference:                | RKB=26.5' @ 3449.70ft                |
| Site:     | PLATINUM MDP1 34-3 FED COM          | North Reference:             | Grid                                 |
| Well:     | PLATINUM MDP1 34-3 FED COM 171H     | 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) |
| 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                |
| 4,765.00            | 0.00            | 0.00        | 4,765.00            | 0.00      | 0.00      | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,800.00            | 0.70            | 317.46      | 4,800.00            | 0.16      | -0.14     | -0.15                 | 2.00                  | 2.00                 | 0.00                |
| 4,900.00            | 2.70            | 317.46      | 4,899.95            | 2.34      | -2.15     | -2.20                 | 2.00                  | 2.00                 | 0.00                |
| 5,000.00            | 4.70            | 317.46      | 4,999.74            | 7.10      | -6.51     | -6.67                 | 2.00                  | 2.00                 | 0.00                |
| 5,100.00            | 6.70            | 317.46      | 5,099.24            | 14.42     | -13.23    | -13.56                | 2.00                  | 2.00                 | 0.00                |
| 5,200.00            | 8.70            | 317.46      | 5,198.33            | 24.29     | -22.29    | -22.84                | 2.00                  | 2.00                 | 0.00                |

# Oxy Planning Report

|           |                                     |                              |                                      |
|-----------|-------------------------------------|------------------------------|--------------------------------------|
| Database: | HOPSP                               | Local Co-ordinate Reference: | Well PLATINUM MDP1 34-3 FED COM 171H |
| Company:  | ENGINEERING DESIGNS                 | TVD Reference:               | RKB=26.5' @ 3449.70ft                |
| Project:  | PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference:                | RKB=26.5' @ 3449.70ft                |
| Site:     | PLATINUM MDP1 34-3 FED COM          | North Reference:             | Grid                                 |
| Well:     | PLATINUM MDP1 34-3 FED COM 171H     | 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) |
| 5,264.98            | 10.00           | 317.46      | 5,262.44            | 32.06      | -29.42     | -30.15                | 2.00                  | 2.00                 | 0.00                |
| 5,300.00            | 10.00           | 317.46      | 5,296.93            | 36.54      | -33.54     | -34.37                | 0.00                  | 0.00                 | 0.00                |
| 5,400.00            | 10.00           | 317.46      | 5,395.41            | 49.34      | -45.28     | -46.40                | 0.00                  | 0.00                 | 0.00                |
| 5,500.00            | 10.00           | 317.46      | 5,493.90            | 62.13      | -57.02     | -58.43                | 0.00                  | 0.00                 | 0.00                |
| 5,600.00            | 10.00           | 317.46      | 5,592.38            | 74.93      | -68.76     | -70.46                | 0.00                  | 0.00                 | 0.00                |
| 5,700.00            | 10.00           | 317.46      | 5,690.86            | 87.72      | -80.50     | -82.49                | 0.00                  | 0.00                 | 0.00                |
| 5,800.00            | 10.00           | 317.46      | 5,789.34            | 100.51     | -92.24     | -94.53                | 0.00                  | 0.00                 | 0.00                |
| 5,900.00            | 10.00           | 317.46      | 5,887.82            | 113.31     | -103.98    | -106.56               | 0.00                  | 0.00                 | 0.00                |
| 6,000.00            | 10.00           | 317.46      | 5,986.30            | 126.10     | -115.72    | -118.59               | 0.00                  | 0.00                 | 0.00                |
| 6,100.00            | 10.00           | 317.46      | 6,084.78            | 138.89     | -127.46    | -130.62               | 0.00                  | 0.00                 | 0.00                |
| 6,200.00            | 10.00           | 317.46      | 6,183.26            | 151.69     | -139.20    | -142.65               | 0.00                  | 0.00                 | 0.00                |
| 6,300.00            | 10.00           | 317.46      | 6,281.74            | 164.48     | -150.94    | -154.68               | 0.00                  | 0.00                 | 0.00                |
| 6,400.00            | 10.00           | 317.46      | 6,380.22            | 177.27     | -162.68    | -166.71               | 0.00                  | 0.00                 | 0.00                |
| 6,500.00            | 10.00           | 317.46      | 6,478.70            | 190.07     | -174.42    | -178.75               | 0.00                  | 0.00                 | 0.00                |
| 6,600.00            | 10.00           | 317.46      | 6,577.19            | 202.86     | -186.16    | -190.78               | 0.00                  | 0.00                 | 0.00                |
| 6,700.00            | 10.00           | 317.46      | 6,675.67            | 215.66     | -197.90    | -202.81               | 0.00                  | 0.00                 | 0.00                |
| 6,800.00            | 10.00           | 317.46      | 6,774.15            | 228.45     | -209.64    | -214.84               | 0.00                  | 0.00                 | 0.00                |
| 6,900.00            | 10.00           | 317.46      | 6,872.63            | 241.24     | -221.38    | -226.87               | 0.00                  | 0.00                 | 0.00                |
| 7,000.00            | 10.00           | 317.46      | 6,971.11            | 254.04     | -233.12    | -238.90               | 0.00                  | 0.00                 | 0.00                |
| 7,100.00            | 10.00           | 317.46      | 7,069.59            | 266.83     | -244.86    | -250.94               | 0.00                  | 0.00                 | 0.00                |
| 7,200.00            | 10.00           | 317.46      | 7,168.07            | 279.62     | -256.60    | -262.97               | 0.00                  | 0.00                 | 0.00                |
| 7,300.00            | 10.00           | 317.46      | 7,266.55            | 292.42     | -268.34    | -275.00               | 0.00                  | 0.00                 | 0.00                |
| 7,400.00            | 10.00           | 317.46      | 7,365.03            | 305.21     | -280.08    | -287.03               | 0.00                  | 0.00                 | 0.00                |
| 7,500.00            | 10.00           | 317.46      | 7,463.51            | 318.01     | -291.82    | -299.06               | 0.00                  | 0.00                 | 0.00                |
| 7,600.00            | 10.00           | 317.46      | 7,561.99            | 330.80     | -303.56    | -311.09               | 0.00                  | 0.00                 | 0.00                |
| 7,700.00            | 10.00           | 317.46      | 7,660.48            | 343.59     | -315.30    | -323.12               | 0.00                  | 0.00                 | 0.00                |
| 7,800.00            | 10.00           | 317.46      | 7,758.96            | 356.39     | -327.04    | -335.16               | 0.00                  | 0.00                 | 0.00                |
| 7,900.00            | 10.00           | 317.46      | 7,857.44            | 369.18     | -338.78    | -347.19               | 0.00                  | 0.00                 | 0.00                |
| 8,000.00            | 10.00           | 317.46      | 7,955.92            | 381.97     | -350.52    | -359.22               | 0.00                  | 0.00                 | 0.00                |
| 8,100.00            | 10.00           | 317.46      | 8,054.40            | 394.77     | -362.26    | -371.25               | 0.00                  | 0.00                 | 0.00                |
| 8,200.00            | 10.00           | 317.46      | 8,152.88            | 407.56     | -374.00    | -383.28               | 0.00                  | 0.00                 | 0.00                |
| 8,300.00            | 10.00           | 317.46      | 8,251.36            | 420.35     | -385.74    | -395.31               | 0.00                  | 0.00                 | 0.00                |
| 8,400.00            | 10.00           | 317.46      | 8,349.84            | 433.15     | -397.48    | -407.35               | 0.00                  | 0.00                 | 0.00                |
| 8,500.00            | 10.00           | 317.46      | 8,448.32            | 445.94     | -409.22    | -419.38               | 0.00                  | 0.00                 | 0.00                |
| 8,600.00            | 10.00           | 317.46      | 8,546.80            | 458.74     | -420.96    | -431.41               | 0.00                  | 0.00                 | 0.00                |
| 8,700.00            | 10.00           | 317.46      | 8,645.28            | 471.53     | -432.70    | -443.44               | 0.00                  | 0.00                 | 0.00                |
| 8,800.00            | 10.00           | 317.46      | 8,743.77            | 484.32     | -444.44    | -455.47               | 0.00                  | 0.00                 | 0.00                |
| 8,900.00            | 10.00           | 317.46      | 8,842.25            | 497.12     | -456.18    | -467.50               | 0.00                  | 0.00                 | 0.00                |
| 9,000.00            | 10.00           | 317.46      | 8,940.73            | 509.91     | -467.92    | -479.53               | 0.00                  | 0.00                 | 0.00                |
| 9,100.00            | 10.00           | 317.46      | 9,039.21            | 522.70     | -479.66    | -491.57               | 0.00                  | 0.00                 | 0.00                |
| 9,200.00            | 10.00           | 317.46      | 9,137.69            | 535.50     | -491.40    | -503.60               | 0.00                  | 0.00                 | 0.00                |
| 9,300.00            | 10.00           | 317.46      | 9,236.17            | 548.29     | -503.14    | -515.63               | 0.00                  | 0.00                 | 0.00                |
| 9,400.00            | 10.00           | 317.46      | 9,334.65            | 561.08     | -514.88    | -527.66               | 0.00                  | 0.00                 | 0.00                |
| 9,500.00            | 10.00           | 317.46      | 9,433.13            | 573.88     | -526.62    | -539.69               | 0.00                  | 0.00                 | 0.00                |
| 9,600.00            | 10.00           | 317.46      | 9,531.61            | 586.67     | -538.36    | -551.72               | 0.00                  | 0.00                 | 0.00                |
| 9,700.00            | 10.00           | 317.46      | 9,630.09            | 599.47     | -550.10    | -563.75               | 0.00                  | 0.00                 | 0.00                |
| 9,800.00            | 10.00           | 317.46      | 9,728.58            | 612.26     | -561.84    | -575.79               | 0.00                  | 0.00                 | 0.00                |
| 9,900.00            | 10.00           | 317.46      | 9,827.06            | 625.05     | -573.58    | -587.82               | 0.00                  | 0.00                 | 0.00                |
| 10,000.00           | 10.00           | 317.46      | 9,925.54            | 637.85     | -585.32    | -599.85               | 0.00                  | 0.00                 | 0.00                |
| 10,100.00           | 10.00           | 317.46      | 10,024.02           | 650.64     | -597.07    | -611.88               | 0.00                  | 0.00                 | 0.00                |
| 10,200.00           | 10.00           | 317.46      | 10,122.50           | 663.43     | -608.81    | -623.91               | 0.00                  | 0.00                 | 0.00                |
| 10,300.00           | 10.00           | 317.46      | 10,220.98           | 676.23     | -620.55    | -635.94               | 0.00                  | 0.00                 | 0.00                |
| 10,400.00           | 10.00           | 317.46      | 10,319.46           | 689.02     | -632.29    | -647.98               | 0.00                  | 0.00                 | 0.00                |
| 10,500.00           | 10.00           | 317.46      | 10,417.94           | 701.81     | -644.03    | -660.01               | 0.00                  | 0.00                 | 0.00                |

# Oxy Planning Report

|           |                                     |                              |                                      |
|-----------|-------------------------------------|------------------------------|--------------------------------------|
| Database: | HOPSPP                              | Local Co-ordinate Reference: | Well PLATINUM MDP1 34-3 FED COM 171H |
| Company:  | ENGINEERING DESIGNS                 | TVD Reference:               | RKB=26.5' @ 3449.70ft                |
| Project:  | PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference:                | RKB=26.5' @ 3449.70ft                |
| Site:     | PLATINUM MDP1 34-3 FED COM          | North Reference:             | Grid                                 |
| Well:     | PLATINUM MDP1 34-3 FED COM 171H     | 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) |  |
| 10,512.40           | 10.00           | 317.46      | 10,430.15           | 703.40     | -645.48    | -661.50               | 0.00                  | 0.00                 | 0.00                |  |
| 10,600.00           | 8.39            | 313.07      | 10,516.63           | 713.37     | -655.30    | -670.83               | 2.00                  | -1.83                | -5.01               |  |
| 10,700.00           | 6.65            | 305.54      | 10,615.76           | 721.72     | -665.34    | -678.54               | 2.00                  | -1.74                | -7.53               |  |
| 10,800.00           | 5.09            | 293.10      | 10,715.24           | 726.83     | -674.13    | -683.08               | 2.00                  | -1.55                | -12.44              |  |
| 10,900.00           | 3.96            | 271.94      | 10,814.93           | 728.69     | -681.67    | -684.46               | 2.00                  | -1.13                | -21.16              |  |
| 11,000.00           | 3.66            | 241.83      | 10,914.72           | 727.29     | -687.94    | -682.68               | 2.00                  | -0.30                | -30.11              |  |
| 11,100.00           | 4.38            | 214.81      | 11,014.48           | 722.65     | -692.94    | -677.73               | 2.00                  | 0.71                 | -27.02              |  |
| 11,200.00           | 5.73            | 197.91      | 11,114.10           | 714.77     | -696.65    | -669.63               | 2.00                  | 1.36                 | -16.90              |  |
| 11,300.00           | 7.39            | 187.98      | 11,213.44           | 703.65     | -699.08    | -658.38               | 2.00                  | 1.65                 | -9.93               |  |
| 11,400.00           | 9.18            | 181.78      | 11,312.40           | 689.31     | -700.22    | -644.00               | 2.00                  | 1.79                 | -6.20               |  |
| 11,444.46           | 10.00           | 179.74      | 11,356.24           | 681.91     | -700.31    | -636.61               | 2.00                  | 1.85                 | -4.58               |  |
| 11,500.00           | 15.55           | 179.74      | 11,410.38           | 669.63     | -700.25    | -624.36               | 10.00                 | 10.00                | 0.00                |  |
| 11,600.00           | 25.55           | 179.74      | 11,503.90           | 634.57     | -700.09    | -589.37               | 10.00                 | 10.00                | 0.00                |  |
| 11,700.00           | 35.55           | 179.74      | 11,589.90           | 583.80     | -699.86    | -538.72               | 10.00                 | 10.00                | 0.00                |  |
| 11,800.00           | 45.55           | 179.74      | 11,665.78           | 518.86     | -699.56    | -473.93               | 10.00                 | 10.00                | 0.00                |  |
| 11,900.00           | 55.55           | 179.74      | 11,729.24           | 441.74     | -699.21    | -396.98               | 10.00                 | 10.00                | 0.00                |  |
| 12,000.00           | 65.55           | 179.74      | 11,778.34           | 354.77     | -698.81    | -310.21               | 10.00                 | 10.00                | 0.00                |  |
| 12,100.00           | 75.55           | 179.74      | 11,811.59           | 260.60     | -698.38    | -216.25               | 10.00                 | 10.00                | 0.00                |  |
| 12,200.00           | 85.55           | 179.74      | 11,827.98           | 162.08     | -697.93    | -117.95               | 10.00                 | 10.00                | 0.00                |  |
| 12,246.11           | 90.16           | 179.74      | 11,829.70           | 116.02     | -697.72    | -71.99                | 10.00                 | 10.00                | 0.00                |  |
| 12,300.00           | 90.16           | 179.74      | 11,829.55           | 62.12      | -697.47    | -18.22                | 0.00                  | 0.00                 | 0.00                |  |
| 12,400.00           | 90.16           | 179.74      | 11,829.26           | -37.88     | -697.02    | 81.55                 | 0.00                  | 0.00                 | 0.00                |  |
| 12,500.00           | 90.16           | 179.74      | 11,828.97           | -137.87    | -696.56    | 181.32                | 0.00                  | 0.00                 | 0.00                |  |
| 12,600.00           | 90.16           | 179.74      | 11,828.68           | -237.87    | -696.10    | 281.10                | 0.00                  | 0.00                 | 0.00                |  |
| 12,700.00           | 90.16           | 179.74      | 11,828.40           | -337.87    | -695.64    | 380.87                | 0.00                  | 0.00                 | 0.00                |  |
| 12,800.00           | 90.16           | 179.74      | 11,828.11           | -437.87    | -695.19    | 480.64                | 0.00                  | 0.00                 | 0.00                |  |
| 12,900.00           | 90.16           | 179.74      | 11,827.82           | -537.87    | -694.73    | 580.41                | 0.00                  | 0.00                 | 0.00                |  |
| 13,000.00           | 90.16           | 179.74      | 11,827.54           | -637.87    | -694.27    | 680.19                | 0.00                  | 0.00                 | 0.00                |  |
| 13,100.00           | 90.16           | 179.74      | 11,827.25           | -737.87    | -693.82    | 779.96                | 0.00                  | 0.00                 | 0.00                |  |
| 13,200.00           | 90.16           | 179.74      | 11,826.96           | -837.86    | -693.36    | 879.73                | 0.00                  | 0.00                 | 0.00                |  |
| 13,300.00           | 90.16           | 179.74      | 11,826.67           | -937.86    | -692.90    | 979.50                | 0.00                  | 0.00                 | 0.00                |  |
| 13,400.00           | 90.16           | 179.74      | 11,826.39           | -1,037.86  | -692.44    | 1,079.28              | 0.00                  | 0.00                 | 0.00                |  |
| 13,500.00           | 90.16           | 179.74      | 11,826.10           | -1,137.86  | -691.99    | 1,179.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,600.00           | 90.16           | 179.74      | 11,825.81           | -1,237.86  | -691.53    | 1,278.82              | 0.00                  | 0.00                 | 0.00                |  |
| 13,700.00           | 90.16           | 179.74      | 11,825.53           | -1,337.86  | -691.07    | 1,378.60              | 0.00                  | 0.00                 | 0.00                |  |
| 13,800.00           | 90.16           | 179.74      | 11,825.24           | -1,437.85  | -690.61    | 1,478.37              | 0.00                  | 0.00                 | 0.00                |  |
| 13,900.00           | 90.16           | 179.74      | 11,824.95           | -1,537.85  | -690.16    | 1,578.14              | 0.00                  | 0.00                 | 0.00                |  |
| 14,000.00           | 90.16           | 179.74      | 11,824.67           | -1,637.85  | -689.70    | 1,677.91              | 0.00                  | 0.00                 | 0.00                |  |
| 14,100.00           | 90.16           | 179.74      | 11,824.38           | -1,737.85  | -689.24    | 1,777.69              | 0.00                  | 0.00                 | 0.00                |  |
| 14,200.00           | 90.16           | 179.74      | 11,824.09           | -1,837.85  | -688.78    | 1,877.46              | 0.00                  | 0.00                 | 0.00                |  |
| 14,300.00           | 90.16           | 179.74      | 11,823.80           | -1,937.85  | -688.33    | 1,977.23              | 0.00                  | 0.00                 | 0.00                |  |
| 14,400.00           | 90.16           | 179.74      | 11,823.52           | -2,037.85  | -687.87    | 2,077.00              | 0.00                  | 0.00                 | 0.00                |  |
| 14,500.00           | 90.16           | 179.74      | 11,823.23           | -2,137.84  | -687.41    | 2,176.78              | 0.00                  | 0.00                 | 0.00                |  |
| 14,600.00           | 90.16           | 179.74      | 11,822.94           | -2,237.84  | -686.95    | 2,276.55              | 0.00                  | 0.00                 | 0.00                |  |
| 14,700.00           | 90.16           | 179.74      | 11,822.66           | -2,337.84  | -686.50    | 2,376.32              | 0.00                  | 0.00                 | 0.00                |  |
| 14,800.00           | 90.16           | 179.74      | 11,822.37           | -2,437.84  | -686.04    | 2,476.09              | 0.00                  | 0.00                 | 0.00                |  |
| 14,900.00           | 90.16           | 179.74      | 11,822.08           | -2,537.84  | -685.58    | 2,575.87              | 0.00                  | 0.00                 | 0.00                |  |
| 15,000.00           | 90.16           | 179.74      | 11,821.79           | -2,637.84  | -685.13    | 2,675.64              | 0.00                  | 0.00                 | 0.00                |  |
| 15,100.00           | 90.16           | 179.74      | 11,821.51           | -2,737.84  | -684.67    | 2,775.41              | 0.00                  | 0.00                 | 0.00                |  |
| 15,200.00           | 90.16           | 179.74      | 11,821.22           | -2,837.83  | -684.21    | 2,875.18              | 0.00                  | 0.00                 | 0.00                |  |
| 15,300.00           | 90.16           | 179.74      | 11,820.93           | -2,937.83  | -683.75    | 2,974.96              | 0.00                  | 0.00                 | 0.00                |  |
| 15,400.00           | 90.16           | 179.74      | 11,820.65           | -3,037.83  | -683.30    | 3,074.73              | 0.00                  | 0.00                 | 0.00                |  |
| 15,500.00           | 90.16           | 179.74      | 11,820.36           | -3,137.83  | -682.84    | 3,174.50              | 0.00                  | 0.00                 | 0.00                |  |
| 15,600.00           | 90.16           | 179.74      | 11,820.07           | -3,237.83  | -682.38    | 3,274.28              | 0.00                  | 0.00                 | 0.00                |  |

# Oxy Planning Report

|           |                                     |                              |                                      |
|-----------|-------------------------------------|------------------------------|--------------------------------------|
| Database: | HOPSP                               | Local Co-ordinate Reference: | Well PLATINUM MDP1 34-3 FED COM 171H |
| Company:  | ENGINEERING DESIGNS                 | TVD Reference:               | RKB=26.5' @ 3449.70ft                |
| Project:  | PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference:                | RKB=26.5' @ 3449.70ft                |
| Site:     | PLATINUM MDP1 34-3 FED COM          | North Reference:             | Grid                                 |
| Well:     | PLATINUM MDP1 34-3 FED COM 171H     | 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) |  |
| 15,700.00           | 90.16           | 179.74      | 11,819.78           | -3,337.83 | -681.92   | 3,374.05              | 0.00                  | 0.00                 | 0.00                |  |
| 15,800.00           | 90.16           | 179.74      | 11,819.50           | -3,437.83 | -681.47   | 3,473.82              | 0.00                  | 0.00                 | 0.00                |  |
| 15,900.00           | 90.16           | 179.74      | 11,819.21           | -3,537.82 | -681.01   | 3,573.59              | 0.00                  | 0.00                 | 0.00                |  |
| 16,000.00           | 90.16           | 179.74      | 11,818.92           | -3,637.82 | -680.55   | 3,673.37              | 0.00                  | 0.00                 | 0.00                |  |
| 16,100.00           | 90.16           | 179.74      | 11,818.64           | -3,737.82 | -680.09   | 3,773.14              | 0.00                  | 0.00                 | 0.00                |  |
| 16,200.00           | 90.16           | 179.74      | 11,818.35           | -3,837.82 | -679.64   | 3,872.91              | 0.00                  | 0.00                 | 0.00                |  |
| 16,300.00           | 90.16           | 179.74      | 11,818.06           | -3,937.82 | -679.18   | 3,972.68              | 0.00                  | 0.00                 | 0.00                |  |
| 16,400.00           | 90.16           | 179.74      | 11,817.77           | -4,037.82 | -678.72   | 4,072.46              | 0.00                  | 0.00                 | 0.00                |  |
| 16,500.00           | 90.16           | 179.74      | 11,817.49           | -4,137.82 | -678.27   | 4,172.23              | 0.00                  | 0.00                 | 0.00                |  |
| 16,600.00           | 90.16           | 179.74      | 11,817.20           | -4,237.81 | -677.81   | 4,272.00              | 0.00                  | 0.00                 | 0.00                |  |
| 16,700.00           | 90.16           | 179.74      | 11,816.91           | -4,337.81 | -677.35   | 4,371.77              | 0.00                  | 0.00                 | 0.00                |  |
| 16,800.00           | 90.16           | 179.74      | 11,816.63           | -4,437.81 | -676.89   | 4,471.55              | 0.00                  | 0.00                 | 0.00                |  |
| 16,900.00           | 90.16           | 179.74      | 11,816.34           | -4,537.81 | -676.44   | 4,571.32              | 0.00                  | 0.00                 | 0.00                |  |
| 17,000.00           | 90.16           | 179.74      | 11,816.05           | -4,637.81 | -675.98   | 4,671.09              | 0.00                  | 0.00                 | 0.00                |  |
| 17,100.00           | 90.16           | 179.74      | 11,815.77           | -4,737.81 | -675.52   | 4,770.87              | 0.00                  | 0.00                 | 0.00                |  |
| 17,200.00           | 90.16           | 179.74      | 11,815.48           | -4,837.81 | -675.06   | 4,870.64              | 0.00                  | 0.00                 | 0.00                |  |
| 17,300.00           | 90.16           | 179.74      | 11,815.19           | -4,937.80 | -674.61   | 4,970.41              | 0.00                  | 0.00                 | 0.00                |  |
| 17,400.00           | 90.16           | 179.74      | 11,814.90           | -5,037.80 | -674.15   | 5,070.18              | 0.00                  | 0.00                 | 0.00                |  |
| 17,500.00           | 90.16           | 179.74      | 11,814.62           | -5,137.80 | -673.69   | 5,169.96              | 0.00                  | 0.00                 | 0.00                |  |
| 17,600.00           | 90.16           | 179.74      | 11,814.33           | -5,237.80 | -673.23   | 5,269.73              | 0.00                  | 0.00                 | 0.00                |  |
| 17,700.00           | 90.16           | 179.74      | 11,814.04           | -5,337.80 | -672.78   | 5,369.50              | 0.00                  | 0.00                 | 0.00                |  |
| 17,800.00           | 90.16           | 179.74      | 11,813.76           | -5,437.80 | -672.32   | 5,469.27              | 0.00                  | 0.00                 | 0.00                |  |
| 17,900.00           | 90.16           | 179.74      | 11,813.47           | -5,537.80 | -671.86   | 5,569.05              | 0.00                  | 0.00                 | 0.00                |  |
| 18,000.00           | 90.16           | 179.74      | 11,813.18           | -5,637.79 | -671.40   | 5,668.82              | 0.00                  | 0.00                 | 0.00                |  |
| 18,100.00           | 90.16           | 179.74      | 11,812.89           | -5,737.79 | -670.95   | 5,768.59              | 0.00                  | 0.00                 | 0.00                |  |
| 18,200.00           | 90.16           | 179.74      | 11,812.61           | -5,837.79 | -670.49   | 5,868.36              | 0.00                  | 0.00                 | 0.00                |  |
| 18,300.00           | 90.16           | 179.74      | 11,812.32           | -5,937.79 | -670.03   | 5,968.14              | 0.00                  | 0.00                 | 0.00                |  |
| 18,400.00           | 90.16           | 179.74      | 11,812.03           | -6,037.79 | -669.58   | 6,067.91              | 0.00                  | 0.00                 | 0.00                |  |
| 18,500.00           | 90.16           | 179.74      | 11,811.75           | -6,137.79 | -669.12   | 6,167.68              | 0.00                  | 0.00                 | 0.00                |  |
| 18,600.00           | 90.16           | 179.74      | 11,811.46           | -6,237.79 | -668.66   | 6,267.46              | 0.00                  | 0.00                 | 0.00                |  |
| 18,700.00           | 90.16           | 179.74      | 11,811.17           | -6,337.78 | -668.20   | 6,367.23              | 0.00                  | 0.00                 | 0.00                |  |
| 18,800.00           | 90.16           | 179.74      | 11,810.88           | -6,437.78 | -667.75   | 6,467.00              | 0.00                  | 0.00                 | 0.00                |  |
| 18,900.00           | 90.16           | 179.74      | 11,810.60           | -6,537.78 | -667.29   | 6,566.77              | 0.00                  | 0.00                 | 0.00                |  |
| 19,000.00           | 90.16           | 179.74      | 11,810.31           | -6,637.78 | -666.83   | 6,666.55              | 0.00                  | 0.00                 | 0.00                |  |
| 19,100.00           | 90.16           | 179.74      | 11,810.02           | -6,737.78 | -666.37   | 6,766.32              | 0.00                  | 0.00                 | 0.00                |  |
| 19,200.00           | 90.16           | 179.74      | 11,809.74           | -6,837.78 | -665.92   | 6,866.09              | 0.00                  | 0.00                 | 0.00                |  |
| 19,300.00           | 90.16           | 179.74      | 11,809.45           | -6,937.77 | -665.46   | 6,965.86              | 0.00                  | 0.00                 | 0.00                |  |
| 19,400.00           | 90.16           | 179.74      | 11,809.16           | -7,037.77 | -665.00   | 7,065.64              | 0.00                  | 0.00                 | 0.00                |  |
| 19,500.00           | 90.16           | 179.74      | 11,808.88           | -7,137.77 | -664.54   | 7,165.41              | 0.00                  | 0.00                 | 0.00                |  |
| 19,600.00           | 90.16           | 179.74      | 11,808.59           | -7,237.77 | -664.09   | 7,265.18              | 0.00                  | 0.00                 | 0.00                |  |
| 19,700.00           | 90.16           | 179.74      | 11,808.30           | -7,337.77 | -663.63   | 7,364.95              | 0.00                  | 0.00                 | 0.00                |  |
| 19,800.00           | 90.16           | 179.74      | 11,808.01           | -7,437.77 | -663.17   | 7,464.73              | 0.00                  | 0.00                 | 0.00                |  |
| 19,900.00           | 90.16           | 179.74      | 11,807.73           | -7,537.77 | -662.71   | 7,564.50              | 0.00                  | 0.00                 | 0.00                |  |
| 20,000.00           | 90.16           | 179.74      | 11,807.44           | -7,637.76 | -662.26   | 7,664.27              | 0.00                  | 0.00                 | 0.00                |  |
| 20,100.00           | 90.16           | 179.74      | 11,807.15           | -7,737.76 | -661.80   | 7,764.05              | 0.00                  | 0.00                 | 0.00                |  |
| 20,200.00           | 90.16           | 179.74      | 11,806.87           | -7,837.76 | -661.34   | 7,863.82              | 0.00                  | 0.00                 | 0.00                |  |
| 20,300.00           | 90.16           | 179.74      | 11,806.58           | -7,937.76 | -660.89   | 7,963.59              | 0.00                  | 0.00                 | 0.00                |  |
| 20,400.00           | 90.16           | 179.74      | 11,806.29           | -8,037.76 | -660.43   | 8,063.36              | 0.00                  | 0.00                 | 0.00                |  |
| 20,500.00           | 90.16           | 179.74      | 11,806.00           | -8,137.76 | -659.97   | 8,163.14              | 0.00                  | 0.00                 | 0.00                |  |
| 20,600.00           | 90.16           | 179.74      | 11,805.72           | -8,237.76 | -659.51   | 8,262.91              | 0.00                  | 0.00                 | 0.00                |  |
| 20,700.00           | 90.16           | 179.74      | 11,805.43           | -8,337.75 | -659.06   | 8,362.68              | 0.00                  | 0.00                 | 0.00                |  |
| 20,800.00           | 90.16           | 179.74      | 11,805.14           | -8,437.75 | -658.60   | 8,462.45              | 0.00                  | 0.00                 | 0.00                |  |
| 20,900.00           | 90.16           | 179.74      | 11,804.86           | -8,537.75 | -658.14   | 8,562.23              | 0.00                  | 0.00                 | 0.00                |  |
| 21,000.00           | 90.16           | 179.74      | 11,804.57           | -8,637.75 | -657.68   | 8,662.00              | 0.00                  | 0.00                 | 0.00                |  |

# Oxy Planning Report

|           |                                     |                              |                                      |
|-----------|-------------------------------------|------------------------------|--------------------------------------|
| Database: | HOPSP                               | Local Co-ordinate Reference: | Well PLATINUM MDP1 34-3 FED COM 171H |
| Company:  | ENGINEERING DESIGNS                 | TVD Reference:               | RKB=26.5' @ 3449.70ft                |
| Project:  | PRD NM DIRECTIONAL PLANS (NAD 1983) | MD Reference:                | RKB=26.5' @ 3449.70ft                |
| Site:     | PLATINUM MDP1 34-3 FED COM          | North Reference:             | Grid                                 |
| Well:     | PLATINUM MDP1 34-3 FED COM 171H     | 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) |  |
| 21,100.00           | 90.16           | 179.74      | 11,804.28           | -8,737.75  | -657.23    | 8,761.77              | 0.00                  | 0.00                 | 0.00                |  |
| 21,200.00           | 90.16           | 179.74      | 11,803.99           | -8,837.75  | -656.77    | 8,861.54              | 0.00                  | 0.00                 | 0.00                |  |
| 21,300.00           | 90.16           | 179.74      | 11,803.71           | -8,937.75  | -656.31    | 8,961.32              | 0.00                  | 0.00                 | 0.00                |  |
| 21,400.00           | 90.16           | 179.74      | 11,803.42           | -9,037.74  | -655.85    | 9,061.09              | 0.00                  | 0.00                 | 0.00                |  |
| 21,500.00           | 90.16           | 179.74      | 11,803.13           | -9,137.74  | -655.40    | 9,160.86              | 0.00                  | 0.00                 | 0.00                |  |
| 21,600.00           | 90.16           | 179.74      | 11,802.85           | -9,237.74  | -654.94    | 9,260.64              | 0.00                  | 0.00                 | 0.00                |  |
| 21,700.00           | 90.16           | 179.74      | 11,802.56           | -9,337.74  | -654.48    | 9,360.41              | 0.00                  | 0.00                 | 0.00                |  |
| 21,800.00           | 90.16           | 179.74      | 11,802.27           | -9,437.74  | -654.03    | 9,460.18              | 0.00                  | 0.00                 | 0.00                |  |
| 21,900.00           | 90.16           | 179.74      | 11,801.99           | -9,537.74  | -653.57    | 9,559.95              | 0.00                  | 0.00                 | 0.00                |  |
| 22,000.00           | 90.16           | 179.74      | 11,801.70           | -9,637.74  | -653.11    | 9,659.73              | 0.00                  | 0.00                 | 0.00                |  |
| 22,100.00           | 90.16           | 179.74      | 11,801.41           | -9,737.73  | -652.65    | 9,759.50              | 0.00                  | 0.00                 | 0.00                |  |
| 22,200.00           | 90.16           | 179.74      | 11,801.12           | -9,837.73  | -652.20    | 9,859.27              | 0.00                  | 0.00                 | 0.00                |  |
| 22,300.00           | 90.16           | 179.74      | 11,800.84           | -9,937.73  | -651.74    | 9,959.04              | 0.00                  | 0.00                 | 0.00                |  |
| 22,400.00           | 90.16           | 179.74      | 11,800.55           | -10,037.73 | -651.28    | 10,058.82             | 0.00                  | 0.00                 | 0.00                |  |
| 22,500.00           | 90.16           | 179.74      | 11,800.26           | -10,137.73 | -650.82    | 10,158.59             | 0.00                  | 0.00                 | 0.00                |  |
| 22,600.00           | 90.16           | 179.74      | 11,799.98           | -10,237.73 | -650.37    | 10,258.36             | 0.00                  | 0.00                 | 0.00                |  |
| 22,695.86           | 90.16           | 179.74      | 11,799.70           | -10,333.58 | -649.93    | 10,354.00             | 0.00                  | 0.00                 | 0.00                |  |

| Design Targets                                              |                 |               |              |           |            |            |                 |                |                     |                    |
|-------------------------------------------------------------|-----------------|---------------|--------------|-----------|------------|------------|-----------------|----------------|---------------------|--------------------|
| Target Name                                                 | hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (ft)  | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude            | Longitude          |
| PBHL (Platinum MDP1<br>- plan hits target center<br>- Point |                 | 0.00          | 0.00         | 11,799.70 | -10,333.58 | -649.93    | 451,200.94      | 714,533.08     | 32° 14' 21.068361 N | 103° 46' 23.380295 |
| FTP (Platinum MDP1<br>- plan hits target center<br>- Point  |                 | 0.00          | 0.00         | 11,829.70 | 116.02     | -697.72    | 461,649.93      | 714,485.29     | 32° 16' 4.469271 N  | 103° 46' 23.301910 |

| Plan Annotations    |                     |                   |            |                        |  |
|---------------------|---------------------|-------------------|------------|------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            |                        |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                        |  |
| 4,765.00            | 4,765.00            | 0.00              | 0.00       | Build 2.00°/100'       |  |
| 5,264.98            | 5,262.44            | 32.06             | -29.42     | Hold 10.00° Tangent    |  |
| 10,512.40           | 10,430.15           | 703.40            | -645.48    | Turn 2.00°/100'        |  |
| 11,444.46           | 11,356.24           | 681.91            | -700.31    | KOP, Build 10.00°/100' |  |
| 12,246.11           | 11,829.70           | 116.02            | -697.72    | Landing Point          |  |
| 22,695.86           | 11,799.70           | -10,333.58        | -649.93    | TD at 22695.86' MD     |  |

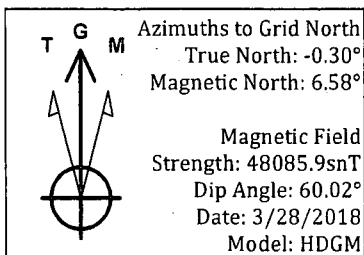


Project: PRD NM DIRECTIONAL PLANS (NAD 1983)  
 Site: PLATINUM MDP1 34-3 FED COM  
 Well: PLATINUM MDP1 34-3 FED COM 171H  
 Wellbore: WB00  
 Design: Permitting Plan

# 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

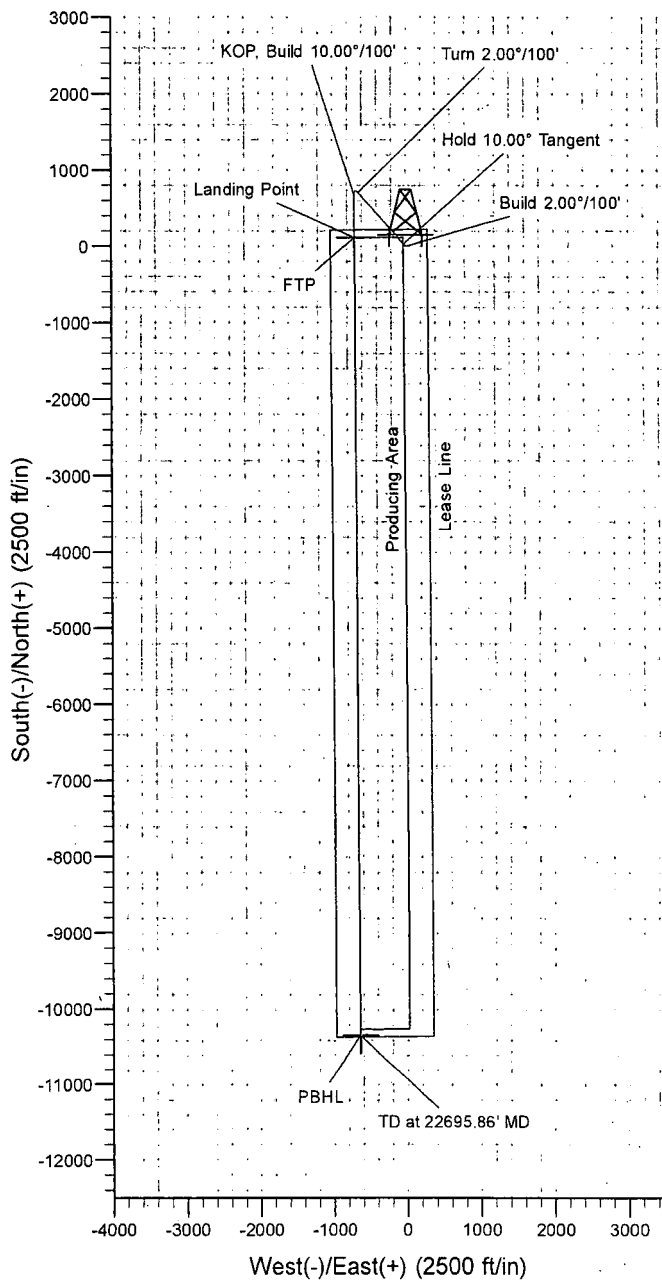
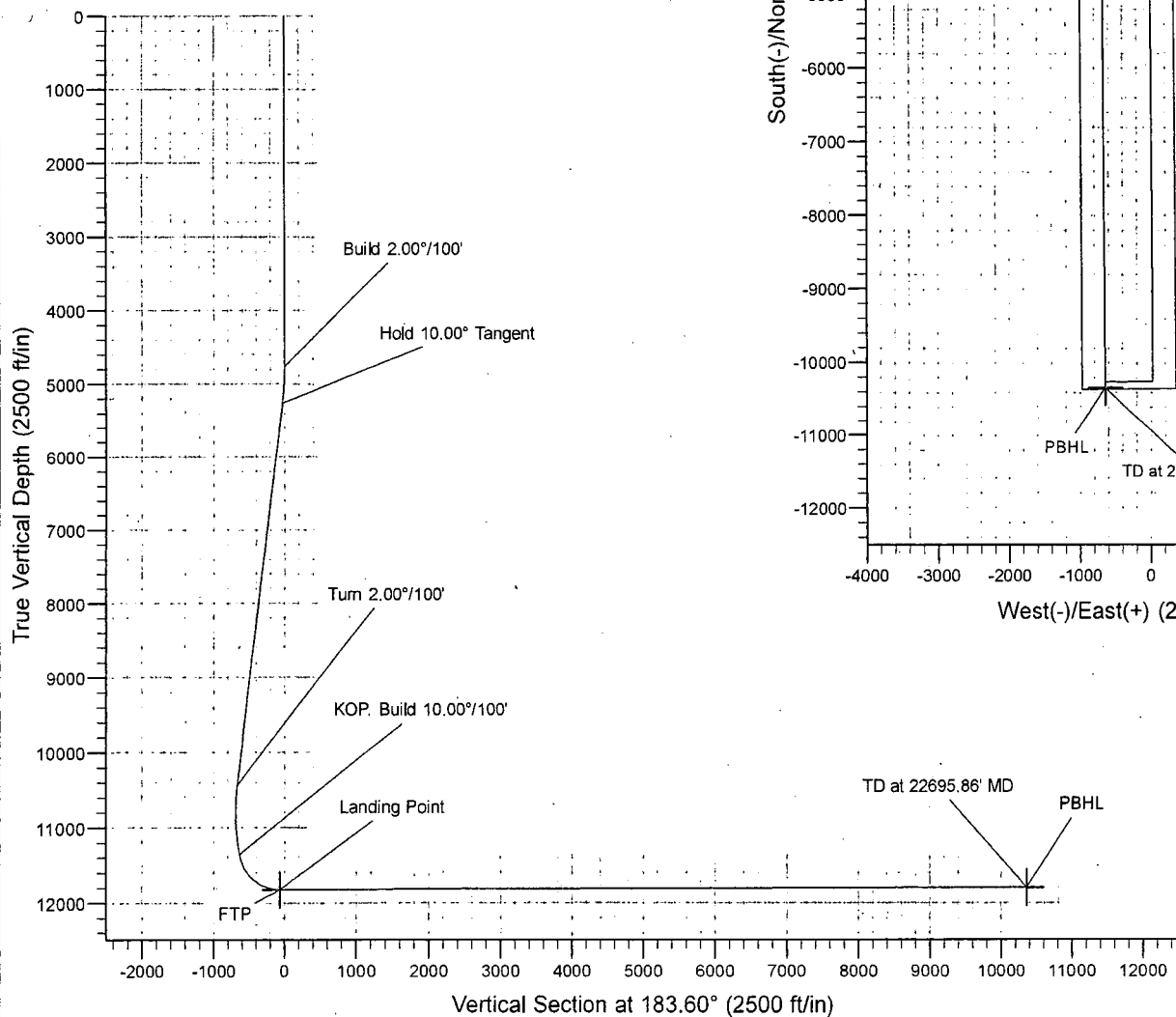


## WELL DETAILS: PLATINUM MDP1 34-3 FED COM 171H

|      |      |              |                      |
|------|------|--------------|----------------------|
| +N-S | +E-W | Ground Level | 3423.20              |
| 0.00 | 0.00 | North        | 461533.92            |
|      |      | East         | 715182.97            |
|      |      | Latitude     | 32° 16' 3.285181 N   |
|      |      | Longitude    | 103° 46' 15.183263 W |

## SECTION DETAILS

| MD       | Inc   | Azi    | TVD      | +N-S      | +E-W    | Dleg  | TFace   | Vsect    | Annotation             |
|----------|-------|--------|----------|-----------|---------|-------|---------|----------|------------------------|
| 0.00     | 0.00  | 0.00   | 0.00     | 0.00      | 0.00    | 0.00  | 0.00    | 0.00     |                        |
| 4765.00  | 0.00  | 0.00   | 4765.00  | 0.00      | 0.00    | 0.00  | 0.00    | 0.00     | Build 2.00°/100'       |
| 5284.98  | 10.00 | 317.46 | 5282.44  | 32.06     | -29.42  | 2.00  | 317.46  | -30.15   | Hold 10.00° Tangent    |
| 10512.40 | 10.00 | 317.46 | 10430.15 | 703.40    | -645.48 | 0.00  | 0.00    | -661.50  | Turn 2.00°/100'        |
| 11444.46 | 10.00 | 179.74 | 11356.24 | 681.91    | -700.31 | 2.00  | -158.56 | -636.61  | KOP, Build 10.00°/100' |
| 12246.11 | 90.16 | 179.74 | 11829.70 | 116.02    | -697.72 | 10.00 | 0.00    | -71.99   | Landing Point          |
| 22695.86 | 90.16 | 179.74 | 11799.70 | -10333.58 | -649.93 | 0.00  | 0.00    | 10354.00 | TD at 22695.86' MD     |



# Oxy USA Inc. - Platinum MDP1 34-3 Federal Com 171H

## 1. Geologic Formations

|               |        |                               |      |
|---------------|--------|-------------------------------|------|
| TVD of target | 11829' | Pilot Hole Depth              | N/A  |
| MD at TD:     | 22695' | Deepest Expected fresh water: | 532' |

### Delaware Basin

| Formation       | TVD - RKB     | Expected Fluids |
|-----------------|---------------|-----------------|
| Rustler         | 532           |                 |
| Salado          | 878           | Brine           |
| Castile         | 2,808         | Brine           |
| Lamar/Delaware  | 4,308         | Brine           |
| Bell Canyon     | 4,334         | Oil/Gas         |
| Cherry Canyon   | 5,228         | Oil/Gas         |
| Brushy Canyon   | 6,488         | Losses          |
| Bone Spring     | 8,152         | Oil/Gas         |
| 1st Bone Spring | 9,216         | Oil/Gas         |
| 2nd Bone Spring | 9,826         | Oil/Gas         |
| 3rd Bone Spring | 11,015        | Oil/Gas         |
| <b>Wolfcamp</b> | <b>11,477</b> | <b>Oil/Gas</b>  |

\*H2S, water flows, loss of circulation, abnormal pressures, etc.

## 2. Casing Program

| Hole Size (in)                | Casing Interval |         | Csg. Size (in) | Weight (lbs) | Grade   | Conn.                                            | Buoyant     |          |                 |                  |
|-------------------------------|-----------------|---------|----------------|--------------|---------|--------------------------------------------------|-------------|----------|-----------------|------------------|
|                               | From (ft)       | To (ft) |                |              |         |                                                  | SF Collapse | SF Burst | Body SF Tension | Joint SF Tension |
| 17.5                          | 0               | 582     | 13.375         | 54.5         | J-55    | BTC                                              | 1.125       | 1.2      | 1.4             | 1.4              |
| 12.25                         | 0               | 4358    | 9.625          | 43.5         | L-80    | BTC                                              | 1.125       | 1.2      | 1.4             | 1.4              |
| 8.5                           | 0               | 11344   | 7.625          | 26.4         | L-80 HC | SF (0 ft to 4000 ft)<br>FJ (4000 ft to 11344 ft) | 1.125       | 1.2      | 1.4             | 1.4              |
| 6.75                          | 0               | 22695   | 5.5            | 20           | P-110   | DQX                                              | 1.125       | 1.2      | 1.4             | 1.4              |
| SF Values will meet or Exceed |                 |         |                |              |         |                                                  |             |          |                 |                  |

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

\*Oxy requests the option to set casing shallower yet still below the salts if losses or hole conditions require this. Cement volumes may be adjusted if casing is set shallower and a DV tool may be run in case hole conditions merit pumping a second stage cement job to comply with permitted top of cement. If cement circulated to surface during first stage, we will drop a cancelation cone and not pump the second stage.

\*Oxy requests the option to run production casing with DQX, SF TORQ, and/or DQW TORQ connections to accommodate hole conditions or drilling operations.

## Oxy USA Inc. - Platinum MDP1 34-3 Federal Com 171H

### Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement from Onshore Order #2 under the following conditions:

1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casings.
2. Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

|                                                                                                                                                  | Y or N |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in Onshore Order #1                                                                     | Y      |
| Does casing meet API specifications? If no, attach casing specification sheet.                                                                   | Y      |
| Is premium or uncommon casing planned? If yes attach casing specification sheet.                                                                 | Y      |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y      |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?                | Y      |
| Is well located within Capitan Reef?                                                                                                             | N      |
| If yes, does production casing cement tie back a minimum of 50' above the Reef?                                                                  |        |
| Is well within the designated 4 string boundary.                                                                                                 |        |
| Is well located in SOPA but not in R-111-P?                                                                                                      | N      |
| If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?                       |        |
| Is well located in R-111-P and SOPA?                                                                                                             | Y      |
| If yes, are the first three strings cemented to surface?                                                                                         | Y      |
| Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?                                                                               | Y      |
| Is well located in high Cave/Karst?                                                                                                              | N      |
| If yes, are there two strings cemented to surface?                                                                                               |        |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?                                                           |        |
| Is well located in critical Cave/Karst?                                                                                                          | N      |
| If yes, are there three strings cemented to surface?                                                                                             |        |

### 3. Cementing Program

| Casing String                                                                                                          | # Sk | Wt.<br>(lb/gal) | Yld<br>(ft <sup>3</sup> /sack) | H <sub>2</sub> O<br>(gal/sk) | 500#<br>Comp.<br>Strength<br>(hours) | Slurry Description                         |
|------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------------------------|------------------------------|--------------------------------------|--------------------------------------------|
| Surface (Lead)                                                                                                         | N/A  | N/A             | N/A                            | N/A                          | N/A                                  | N/A                                        |
| Surface (Tail)                                                                                                         | 619  | 14.8            | 1.33                           | 6.365                        | 5:26                                 | Class C Cement, Accelerator                |
| Intermediate (Lead)                                                                                                    | 931  | 12.9            | 1.88                           | 10.130                       | 14:22                                | Pozzolan Cement, Retarder                  |
| Intermediate (Tail)                                                                                                    | 155  | 14.8            | 1.33                           | 6.370                        | 12:45                                | Class C Cement, Accelerator                |
| Intermediate II 1st Stage (Lead)                                                                                       | N/A  | N/A             | N/A                            | N/A                          | N/A                                  | N/A                                        |
| Intermediate II 1st Stage (Tail)                                                                                       | 226  | 13.2            | 1.65                           | 8.640                        | 11:54                                | Class H Cement, Retarder, Dispersant, Salt |
| Intermediate II 2nd Stage (Tail Slurry) to be pumped as Bradenhead Squeeze from surface, down the Intermediate annulus |      |                 |                                |                              |                                      |                                            |
| Intermediate II 2nd Stage (Lead)                                                                                       | N/A  | N/A             | N/A                            | N/A                          | N/A                                  | N/A                                        |
| Intermediate II 2nd Stage (Tail)                                                                                       | 355  | 12.9            | 1.92                           | 10.410                       | 23:10                                | Class C Cement, Accelerator                |
| Production (Lead)                                                                                                      | N/A  | N/A             | N/A                            | N/A                          | N/A                                  | N/A                                        |
| Production (Tail)                                                                                                      | 869  | 13.2            | 1.38                           | 6.686                        | 3:49                                 | Class H Cement, Retarder, Dispersant, Salt |

| Casing String                    | Top (ft) | Bottom (ft) | % Excess |
|----------------------------------|----------|-------------|----------|
| Surface (Lead)                   | N/A      | N/A         | N/A      |
| Surface (Tail)                   | 0        | 582         | 100%     |
| Intermediate (Lead)              | 0        | 3858        | 50%      |
| Intermediate (Tail)              | 3858     | 4358        | 20%      |
| Intermediate II 1st Stage (Lead) | N/A      | N/A         | N/A      |
| Intermediate II 1st Stage (Tail) | 6738     | 11344       | 5%       |
| Intermediate II 2nd Stage (Lead) | N/A      | N/A         | N/A      |
| Intermediate II 2nd Stage (Tail) | 0        | 6738        | 25%      |
| Production (Lead)                | N/A      | N/A         | N/A      |
| Production (Tail)                | 10844    | 22695       | 20%      |

### Offline Cementing

Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365.

The summarized operational sequence will be as follows:

1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe).
2. Land casing.
3. Fill pipe with kill weight fluid, and confirm well is static.
  - a. If well is not static notify BLM and kill well.
  - b. Once well is static notify BLM with intent to proceed with nipple down and offline cementing.
4. Set and pressure test annular packoff.
5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange. If any barrier fails to test, the BOP stack will not be nipped down until after the cement job is completed.

## Oxy USA Inc. - Platinum MDP1 34-3 Federal Com 171H

6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange.
8. If well is not static notify BLM and kill well prior to cementing or nipping up for further remediation.
9. Install offline cement tool.
10. Rig up cement equipment.
  - a. Notify BLM prior to cement job.
11. Perform cement job.
12. Confirm well is static and floats are holding after cement job.
13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

### 4. Pressure Control Equipment

| BOP installed and tested before drilling which hole? | Size?   | Min. Required WP | Type       | ✓ | Tested to:              |
|------------------------------------------------------|---------|------------------|------------|---|-------------------------|
| 12.25" Hole                                          | 13-5/8" | 3M               | Annular    | ✓ | 70% of working pressure |
|                                                      |         | 3M               | Blind Ram  | ✓ | 250 psi / 3000 psi      |
|                                                      |         |                  | Pipe Ram   |   |                         |
|                                                      |         |                  | Double Ram | ✓ |                         |
|                                                      |         |                  | Other*     |   |                         |
| 8.5" Hole                                            | 13-5/8" | 5M               | Annular    | ✓ | 70% of working pressure |
|                                                      |         | 5M               | Blind Ram  | ✓ | 250 psi / 5000 psi      |
|                                                      |         |                  | Pipe Ram   |   |                         |
|                                                      |         |                  | Double Ram | ✓ |                         |
|                                                      |         |                  | Other*     |   |                         |
| 6.75" Hole                                           | 13-5/8" | 5M               | Annular    | ✓ | 70% of working pressure |
|                                                      |         | 10M              | Blind Ram  | ✓ | 250 psi / 10000 psi     |
|                                                      |         |                  | Pipe Ram   |   |                         |
|                                                      |         |                  | Double Ram | ✓ |                         |
|                                                      |         |                  | Other*     |   |                         |

\*Specify if additional ram is utilized.

Per BLM's Memorandum No. NM-2017-008: *Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack*, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are maintained at all times. Please see attached Well Control Plan.

Oxy will utilize a 5M annular with a 10M BOPE stack. The BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

## Oxy USA Inc. - Platinum MDP1 34-3 Federal Com 171H

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Formation integrity test will be performed per Onshore Order #2.<br>On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.                                                                                                                                                                                                                                                                                                                                                   |
|   | A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Y | Are anchors required by manufacturer?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015. See attached schematics. |

### BOP Break Testing Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow BOP Break Testing under the following conditions:

- After a full BOP test is conducted on the first well on the pad.
- When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.
- Full BOP test will be required prior to drilling any production hole.

## 5. Mud Program

| Depth     |         | Type                         | Weight (ppg) | Viscosity | Water Loss |
|-----------|---------|------------------------------|--------------|-----------|------------|
| From (ft) | To (ft) |                              |              |           |            |
| 0         | 582     | Water-Based Mud              | 8.6-8.8      | 40-60     | N/C        |
| 582       | 4358    | Saturated Brine-Based Mud    | 9.8-10.0     | 35-45     | N/C        |
| 4358      | 11344   | Water-Based or Oil-Based Mud | 8.0-9.6      | 38-50     | N/C        |
| 11344     | 22695   | Water-Based or Oil-Based Mud | 9.5-12.0     | 38-50     | N/C        |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

|                                                         |                                |
|---------------------------------------------------------|--------------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/MD Totco/Visual Monitoring |
|---------------------------------------------------------|--------------------------------|

## 6. Logging and Testing Procedures

| Logging, Coring and Testing |                                                                                                                                                         |          |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Yes                         | Will run GR from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |          |
| No                          | Logs are planned based on well control or offset log information.                                                                                       |          |
| No                          | Drill stem test? If yes, explain                                                                                                                        |          |
| No                          | Coring? If yes, explain                                                                                                                                 |          |
| Additional logs planned     |                                                                                                                                                         | Interval |
| No                          | Resistivity                                                                                                                                             |          |
| No                          | Density                                                                                                                                                 |          |
| No                          | CBL                                                                                                                                                     |          |
| Yes                         | Mud log                                                                                                                                                 | ICP - TD |
| No                          | PEX                                                                                                                                                     |          |

## 7. Drilling Conditions

| Condition                     | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD    | 7382 psi                     |
| Abnormal Temperature          | No                           |
| BH Temperature at deepest TVD | 175°F                        |

## Oxy USA Inc. - Platinum MDP1 34-3 Federal Com 171H

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

|                                                                                                                                                                                                                                                                                                                                    |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM. |                   |
| N                                                                                                                                                                                                                                                                                                                                  | H2S is present    |
| Y                                                                                                                                                                                                                                                                                                                                  | H2S Plan attached |

### 8. Other facets of operation

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes/No |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Will the well be drilled with a walking/skidding operation? If yes, describe. <ul style="list-style-type: none"> <li>We plan to drill the two well pad in batch by section: all surface sections, intermediate sections and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well.</li> </ul>                                                                                                                               | Yes    |
| Will more than one drilling rig be used for drilling operations? If yes, describe. <ul style="list-style-type: none"> <li>Oxy requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that Oxy would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig.</li> </ul> | Yes    |

**Total estimated cuttings volume:** 1716.3 bbls.

#### Attachments

- ☒ Directional Plan
- ☒ H2S Contingency Plan
- ☒ Flex III Attachments
- ☒ Spudder Rig Attachment
- ☒ Premium Connection Specs

### 9. Company Personnel

| Name             | Title                        | Office Phone | Mobile Phone |
|------------------|------------------------------|--------------|--------------|
| Kaitlyn Daniels  | Drilling Engineer            | 713-497-2104 | 512-424-9870 |
| Margaret Giltner | Drilling Engineer Supervisor | 713-366-5026 | 210-683-8480 |
| Simon Benavides  | Drilling Superintendent      | 713-522-8652 | 281-684-6897 |
| Diego Tellez     | Drilling Manager             | 713-350-4602 | 713-303-4932 |

## Oxy Well Control Plan

### A. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the >5M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

Pilot hole and Lateral sections, 10M requirement

| Component                   | OD              | Preventer                                            | RWP |
|-----------------------------|-----------------|------------------------------------------------------|-----|
| Drillpipe                   | 4-1/2"-5"       | Lower 3-1/2 - 5-1/2" VBR<br>Upper 3-1/2 - 5-1/2" VBR | 10M |
| HWDP                        | 4-1/2"-5"       | Lower 3-1/2 - 5-1/2" VBR<br>Upper 3-1/2 - 5-1/2" VBR | 10M |
| Drill collars and MWD tools | 4-3/4" - 5-1/2" | Lower 3-1/2 - 5-1/2" VBR<br>Upper 3-1/2 - 5-1/2" VBR | 10M |
| Mud Motor                   | 4-3/4"          | Lower 3-1/2 - 5-1/2" VBR<br>Upper 3-1/2 - 5-1/2" VBR | 10M |
| Production casing           | 5-1/2"          | Lower 3-1/2 - 5-1/2" VBR<br>Upper 3-1/2 - 5-1/2" VBR | 10M |
| ALL                         | 0" - 13-5/8"    | Annular                                              | 5M  |
| Open-hole                   | 6-3/4"          | Blind Rams                                           | 10M |

VBR = Variable Bore Ram. Compatible range listed in chart.

HWDP = Heavy Weight Drill Pipe

MWD = Measurement While Drilling

### B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the Bottom Hole Assembly (BHA) through the Blowout Preventers (BOP). The pressure at which control is swapped from the annular to another compatible ram will occur when the anticipated pressure is approaching or envisioned to exceed 70% of the 5M annular Rated Working Pressure (RWP) or 3500 PSI.

#### General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. The Hydraulic Control Remote (HCR) valve and choke will already be in the closed position).
5. Confirm shut-in
6. Notify tool pusher/company representative

7. Read and record the following:
  - a. SIDPP and SICP
  - b. Pit gain
  - c. Time
8. Regroup and identify forward plan
9. If pressure has built or expected to reach 70% of the annular RWP during kill operations, crew will reconfirm spacing and swap to the upper pipe ram

#### General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. The HCR and choke will already be in the closed position)
5. Confirm shut-in
6. Notify tool pusher/company representative
7. Read and record the following
  - a. SIDPP and SICP
  - b. Pit gain
  - c. Time
  - d. Regroup and identify forward plan
  - e. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram

#### General Procedure While Running Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. The HCR and choke will already be in the closed position).
5. Confirm shut-in
6. Notify tool pusher/company representative
7. Read and record the following:
  - a. SIDPP and SICP
  - b. Pit gain
  - c. Time
  - d. Regroup and identify forward plan.
  - e. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

#### General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams or BSR. (The HCR and choke will already be in the closed position)
3. Confirm shut-in
4. Notify tool pusher/company representative

5. Read and record the following:
  - a. SICP
  - b. Pit gain
  - c. Time
6. Regroup and identify forward plan

#### General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drill pipe thru the stack.
  - a. Perform flow check, if flowing:
  - b. Sound alarm (alert crew)
  - c. Stab full opening safety valve and close
  - d. Space out drill string with tool joint just beneath the upper pipe ram
  - e. Shut-in using upper pipe ram. (The HCR and choke will already be in the closed position)
  - f. Confirm shut-in
  - g. Notify tool pusher/company representative
  - h. Read and record the following:
    - i. SIDPP and SICP
    - ii. Pit gain
    - iii. Time
    - iv. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
  - a. Sound alarm (alert crew)
  - b. Stab crossover and full opening safety valve and close
  - c. Space out drill string with upset just beneath the compatible pipe ram
  - d. Shut-in using compatible pipe ram. (The HCR and choke will already be in the closed position.)
  - e. Confirm shut-in
  - f. Notify tool pusher/company representative
  - g. Read and record the following:
    - i. SIDPP and SICP
    - ii. Pit gain
    - iii. Time
    - iv. Regroup and identify forward plan
3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
  - a. Sound alarm (alert crew)
  - b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario
  - c. If impossible to pick up high enough to pull the string clear of the stack
  - d. Stab crossover, make up one joint/stand of drill pipe, and full opening safety valve and close
  - e. Space out drill string with tool joint just beneath the upper pipe ram

- f. Shut-in using upper pipe ram. (The HCR and choke will already be in the closed position)
- g. Confirm shut-in
- h. Notify tool pusher/company representative
- i. Read and record the following:
  - i. SIDPP and SICP
  - ii. Pit gain
  - iii. Time
- j. Regroup and identify forward plan