



C O N C H O

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## **Concho Resources, Inc.**

Lea County, NM (NAD 27 NME)  
(Dominator) Sec-25\_T-25-S\_R-33-E  
Dominator 25 Federal Com #603H  
API# 30-025-44816  
OWB

Design: AWB

## **Standard Survey Report**

31 August, 2018

 **INTREPID**

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD 27 NME)          |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                                       |          |              |                 |                   |                   |
|---------------------------------------|----------|--------------|-----------------|-------------------|-------------------|
| Site (Dominator) Sec-25_T-25-S_R-33-E |          |              |                 |                   |                   |
| Site Position:                        |          | Northing:    | 399,184.70 usft | Latitude:         | 32° 5' 41.640 N   |
| From:                                 | Map      | Easting:     | 750,109.80 usft | Longitude:        | 103° 31' 32.493 W |
| Position Uncertainty:                 | 0.0 usft | Slot Radius: | 13-3/16 "       | Grid Convergence: | 0.43 °            |

|                      |                                |          |                     |                 |               |                   |
|----------------------|--------------------------------|----------|---------------------|-----------------|---------------|-------------------|
| Well                 | Dominator 25 Federal Com #603H |          |                     |                 |               |                   |
| Well Position        | +N/-S                          | 0.0 usft | Northing:           | 399,197.00 usft | Latitude:     | 32° 5' 41.658 N   |
|                      | +E/-W                          | 0.0 usft | Easting:            | 751,493.70 usft | Longitude:    | 103° 31' 16.405 W |
| Position Uncertainty |                                | 0.0 usft | Wellhead Elevation: | usft            | Ground Level: | 3,335.8 usft      |

|                  |                   |                    |                    |                  |                       |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| <b>Wellbore</b>  | OWB               |                    |                    |                  |                       |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b> | <b>Dip Angle</b> | <b>Field Strength</b> |
|                  | IGRF2015          | 06/28/18           | (°)                | (°)              | (nT)                  |
|                  |                   |                    | 6.81               | 59.94            | 47,761.53074981       |

|                          |                         |               |              |                      |     |
|--------------------------|-------------------------|---------------|--------------|----------------------|-----|
| <b>Design</b>            | AWB                     |               |              |                      |     |
| <b>Audit Notes:</b>      |                         |               |              |                      |     |
| <b>Version:</b>          | 1.0                     | <b>Phase:</b> | ACTUAL       | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b>  | <b>+E/-W</b> | <b>Direction</b>     |     |
|                          | (usft)                  | (usft)        | (usft)       | (°)                  |     |
|                          | 0.0                     | 0.0           | 0.0          | 358.51               |     |

|                       |               |                            |                     |                                       |  |
|-----------------------|---------------|----------------------------|---------------------|---------------------------------------|--|
| <b>Survey Program</b> | Date 08/31/18 |                            |                     |                                       |  |
| <b>From</b>           | <b>To</b>     | <b>Survey (Wellbore)</b>   | <b>Tool Name</b>    | <b>Description</b>                    |  |
| (usft)                | (usft)        |                            |                     |                                       |  |
| 100.0                 | 11,688.0      | SDI Gyro Svys (OWB)        | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4    |  |
| 11,892.0              | 17,238.0      | Intrepid MWD Crv/Lat (OWB) | MWD+IFR1+MS         | MWD + IFR1 + Multi-Station Correction |  |

|                       |                    |                |                       |              |              |                         |                    |                   |                  |  |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|-------------------------|--------------------|-------------------|------------------|--|
| <b>Survey</b>         |                    |                |                       |              |              |                         |                    |                   |                  |  |
| <b>Measured Depth</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical Depth</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Vertical Section</b> | <b>Dogleg Rate</b> | <b>Build Rate</b> | <b>Turn Rate</b> |  |
| (usft)                | (°)                | (°)            | (usft)                | (usft)       | (usft)       | (usft)                  | (°/100usft)        | (°/100usft)       | (°/100usft)      |  |
| 0.0                   | 0.00               | 0.00           | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00               | 0.00              | 0.00             |  |
| 100.0                 | 0.12               | 175.14         | 100.0                 | -0.1         | 0.0          | -0.1                    | 0.12               | 0.12              | 0.00             |  |
| 125.0                 | 0.25               | 130.63         | 125.0                 | -0.2         | 0.1          | -0.2                    | 0.74               | 0.52              | -178.04          |  |
| 150.0                 | 0.14               | 141.55         | 150.0                 | -0.2         | 0.1          | -0.2                    | 0.46               | -0.44             | 43.68            |  |
| 175.0                 | 0.14               | 143.58         | 175.0                 | -0.3         | 0.1          | -0.3                    | 0.02               | 0.00              | 8.12             |  |
| 200.0                 | 0.18               | 159.72         | 200.0                 | -0.3         | 0.2          | -0.3                    | 0.24               | 0.16              | 64.56            |  |
| 225.0                 | 0.31               | 128.98         | 225.0                 | -0.4         | 0.2          | -0.4                    | 0.72               | 0.52              | -122.96          |  |
| 250.0                 | 0.32               | 120.68         | 250.0                 | -0.5         | 0.4          | -0.5                    | 0.19               | 0.04              | -33.20           |  |
| 275.0                 | 0.37               | 119.15         | 275.0                 | -0.6         | 0.5          | -0.6                    | 0.20               | 0.20              | -6.12            |  |
| 300.0                 | 0.44               | 126.36         | 300.0                 | -0.7         | 0.6          | -0.7                    | 0.35               | 0.28              | 28.84            |  |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 325.0                 | 0.47            | 122.39      | 325.0                 | -0.8         | 0.8          | -0.8                    | 0.17                    | 0.12                   | -15.88                |
| 350.0                 | 0.39            | 127.81      | 350.0                 | -0.9         | 1.0          | -0.9                    | 0.36                    | -0.32                  | 21.68                 |
| 375.0                 | 0.54            | 136.08      | 375.0                 | -1.0         | 1.1          | -1.0                    | 0.66                    | 0.60                   | 33.08                 |
| 400.0                 | 0.57            | 124.13      | 400.0                 | -1.2         | 1.3          | -1.2                    | 0.48                    | 0.12                   | -47.80                |
| 425.0                 | 0.52            | 124.57      | 425.0                 | -1.3         | 1.5          | -1.3                    | 0.20                    | -0.20                  | 1.76                  |
| 450.0                 | 0.55            | 126.72      | 450.0                 | -1.4         | 1.7          | -1.5                    | 0.14                    | 0.12                   | 8.60                  |
| 475.0                 | 0.55            | 134.89      | 475.0                 | -1.6         | 1.9          | -1.6                    | 0.31                    | 0.00                   | 32.68                 |
| 500.0                 | 0.54            | 149.05      | 500.0                 | -1.8         | 2.0          | -1.8                    | 0.54                    | -0.04                  | 56.64                 |
| 525.0                 | 0.60            | 151.25      | 525.0                 | -2.0         | 2.1          | -2.1                    | 0.26                    | 0.24                   | 8.80                  |
| 550.0                 | 0.66            | 151.13      | 550.0                 | -2.2         | 2.3          | -2.3                    | 0.24                    | 0.24                   | -0.48                 |
| 575.0                 | 0.61            | 165.60      | 575.0                 | -2.5         | 2.4          | -2.6                    | 0.67                    | -0.20                  | 57.88                 |
| 600.0                 | 0.65            | 167.59      | 600.0                 | -2.8         | 2.4          | -2.8                    | 0.18                    | 0.16                   | 7.96                  |
| 625.0                 | 0.62            | 187.72      | 625.0                 | -3.0         | 2.4          | -3.1                    | 0.90                    | -0.12                  | 80.52                 |
| 650.0                 | 0.75            | 189.71      | 650.0                 | -3.3         | 2.4          | -3.4                    | 0.53                    | 0.52                   | 7.96                  |
| 675.0                 | 0.83            | 197.78      | 675.0                 | -3.7         | 2.3          | -3.7                    | 0.55                    | 0.32                   | 32.28                 |
| 700.0                 | 0.87            | 204.45      | 700.0                 | -4.0         | 2.2          | -4.1                    | 0.43                    | 0.16                   | 26.68                 |
| 725.0                 | 1.01            | 211.66      | 725.0                 | -4.4         | 2.0          | -4.4                    | 0.73                    | 0.56                   | 28.84                 |
| 750.0                 | 0.95            | 214.30      | 750.0                 | -4.7         | 1.7          | -4.8                    | 0.30                    | -0.24                  | 10.56                 |
| 775.0                 | 1.10            | 212.39      | 775.0                 | -5.1         | 1.5          | -5.1                    | 0.62                    | 0.60                   | -7.64                 |
| 800.0                 | 1.02            | 212.55      | 800.0                 | -5.5         | 1.3          | -5.5                    | 0.32                    | -0.32                  | 0.64                  |
| 825.0                 | 1.00            | 217.63      | 825.0                 | -5.9         | 1.0          | -5.9                    | 0.37                    | -0.08                  | 20.32                 |
| 850.0                 | 0.61            | 215.52      | 850.0                 | -6.1         | 0.8          | -6.2                    | 1.56                    | -1.56                  | -8.44                 |
| 875.0                 | 0.45            | 217.26      | 875.0                 | -6.3         | 0.7          | -6.3                    | 0.64                    | -0.64                  | 6.96                  |
| 900.0                 | 0.28            | 199.78      | 900.0                 | -6.5         | 0.6          | -6.5                    | 0.81                    | -0.68                  | -69.92                |
| 925.0                 | 0.15            | 163.74      | 925.0                 | -6.5         | 0.6          | -6.6                    | 0.73                    | -0.52                  | -144.16               |
| 950.0                 | 0.17            | 196.53      | 950.0                 | -6.6         | 0.6          | -6.6                    | 0.37                    | 0.08                   | 131.16                |
| 975.0                 | 0.16            | 182.93      | 975.0                 | -6.7         | 0.5          | -6.7                    | 0.16                    | -0.04                  | -54.40                |
| 1,000.0               | 0.15            | 175.81      | 1,000.0               | -6.8         | 0.5          | -6.8                    | 0.09                    | -0.04                  | -28.48                |
| 1,025.0               | 0.18            | 193.06      | 1,025.0               | -6.8         | 0.5          | -6.8                    | 0.23                    | 0.12                   | 69.00                 |
| 1,050.0               | 0.19            | 173.20      | 1,050.0               | -6.9         | 0.5          | -6.9                    | 0.26                    | 0.04                   | -79.44                |
| 1,075.0               | 0.21            | 225.29      | 1,075.0               | -7.0         | 0.5          | -7.0                    | 0.71                    | 0.08                   | 208.36                |
| 1,100.0               | 0.25            | 239.47      | 1,100.0               | -7.0         | 0.4          | -7.0                    | 0.28                    | 0.16                   | 56.72                 |
| 1,125.0               | 0.37            | 246.70      | 1,125.0               | -7.1         | 0.3          | -7.1                    | 0.50                    | 0.48                   | 28.92                 |
| 1,150.0               | 0.47            | 245.31      | 1,150.0               | -7.2         | 0.1          | -7.2                    | 0.40                    | 0.40                   | -5.56                 |
| 1,175.0               | 0.47            | 252.12      | 1,174.9               | -7.2         | 0.0          | -7.2                    | 0.22                    | 0.00                   | 27.24                 |
| 1,200.0               | 0.48            | 246.73      | 1,199.9               | -7.3         | -0.2         | -7.3                    | 0.18                    | 0.04                   | -21.56                |
| 1,225.0               | 0.53            | 254.53      | 1,224.9               | -7.4         | -0.4         | -7.4                    | 0.34                    | 0.20                   | 31.20                 |
| 1,250.0               | 0.53            | 249.96      | 1,249.9               | -7.5         | -0.7         | -7.4                    | 0.17                    | 0.00                   | -18.28                |
| 1,275.0               | 0.51            | 234.44      | 1,274.9               | -7.6         | -0.9         | -7.5                    | 0.57                    | -0.08                  | -62.08                |
| 1,300.0               | 0.59            | 240.22      | 1,299.9               | -7.7         | -1.1         | -7.7                    | 0.39                    | 0.32                   | 23.12                 |
| 1,325.0               | 0.52            | 234.49      | 1,324.9               | -7.8         | -1.3         | -7.8                    | 0.36                    | -0.28                  | -22.92                |
| 1,350.0               | 0.71            | 225.88      | 1,349.9               | -8.0         | -1.5         | -8.0                    | 0.84                    | 0.76                   | -34.44                |
| 1,375.0               | 1.13            | 213.05      | 1,374.9               | -8.3         | -1.7         | -8.3                    | 1.86                    | 1.68                   | -51.32                |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
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| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 1,400.0               | 2.24            | 208.18      | 1,399.9               | -8.9         | -2.1         | -8.9                    | 4.47                    | 4.44                   | -19.48                |
| 1,425.0               | 2.71            | 208.18      | 1,424.9               | -9.9         | -2.6         | -9.8                    | 1.88                    | 1.88                   | 0.00                  |
| 1,450.0               | 3.07            | 210.50      | 1,449.9               | -11.0        | -3.2         | -10.9                   | 1.51                    | 1.44                   | 9.28                  |
| 1,475.0               | 3.06            | 209.19      | 1,474.8               | -12.2        | -3.9         | -12.1                   | 0.28                    | -0.04                  | -5.24                 |
| 1,500.0               | 3.13            | 211.14      | 1,499.8               | -13.3        | -4.6         | -13.2                   | 0.51                    | 0.28                   | 7.80                  |
| 1,525.0               | 3.15            | 211.12      | 1,524.8               | -14.5        | -5.3         | -14.4                   | 0.08                    | 0.08                   | -0.08                 |
| 1,550.0               | 3.06            | 210.21      | 1,549.7               | -15.7        | -6.0         | -15.5                   | 0.41                    | -0.36                  | -3.64                 |
| 1,575.0               | 3.01            | 210.28      | 1,574.7               | -16.8        | -6.6         | -16.6                   | 0.20                    | -0.20                  | 0.28                  |
| 1,600.0               | 3.09            | 212.15      | 1,599.7               | -17.9        | -7.3         | -17.7                   | 0.51                    | 0.32                   | 7.48                  |
| 1,625.0               | 3.03            | 214.17      | 1,624.6               | -19.1        | -8.0         | -18.8                   | 0.49                    | -0.24                  | 8.08                  |
| 1,650.0               | 3.05            | 213.39      | 1,649.6               | -20.2        | -8.8         | -19.9                   | 0.18                    | 0.08                   | -3.12                 |
| 1,675.0               | 3.02            | 214.90      | 1,674.5               | -21.3        | -9.5         | -21.0                   | 0.34                    | -0.12                  | 6.04                  |
| 1,700.0               | 2.88            | 212.29      | 1,699.5               | -22.3        | -10.2        | -22.1                   | 0.78                    | -0.56                  | -10.44                |
| 1,725.0               | 2.99            | 214.16      | 1,724.5               | -23.4        | -10.9        | -23.1                   | 0.58                    | 0.44                   | 7.48                  |
| 1,750.0               | 3.03            | 213.94      | 1,749.4               | -24.5        | -11.7        | -24.2                   | 0.17                    | 0.16                   | -0.88                 |
| 1,775.0               | 2.99            | 214.64      | 1,774.4               | -25.6        | -12.4        | -25.2                   | 0.22                    | -0.16                  | 2.80                  |
| 1,800.0               | 2.99            | 215.97      | 1,799.4               | -26.6        | -13.2        | -26.3                   | 0.28                    | 0.00                   | 5.32                  |
| 1,825.0               | 3.00            | 217.21      | 1,824.3               | -27.7        | -13.9        | -27.3                   | 0.26                    | 0.04                   | 4.96                  |
| 1,850.0               | 3.05            | 216.46      | 1,849.3               | -28.7        | -14.7        | -28.3                   | 0.26                    | 0.20                   | -3.00                 |
| 1,875.0               | 3.23            | 218.30      | 1,874.3               | -29.8        | -15.6        | -29.4                   | 0.83                    | 0.72                   | 7.36                  |
| 1,900.0               | 2.98            | 218.03      | 1,899.2               | -30.9        | -16.4        | -30.5                   | 1.00                    | -1.00                  | -1.08                 |
| 1,925.0               | 3.06            | 218.56      | 1,924.2               | -31.9        | -17.2        | -31.5                   | 0.34                    | 0.32                   | 2.12                  |
| 1,950.0               | 3.05            | 219.06      | 1,949.2               | -33.0        | -18.1        | -32.5                   | 0.11                    | -0.04                  | 2.00                  |
| 1,975.0               | 3.09            | 219.36      | 1,974.1               | -34.0        | -18.9        | -33.5                   | 0.17                    | 0.16                   | 1.20                  |
| 2,000.0               | 3.11            | 217.90      | 1,999.1               | -35.1        | -19.7        | -34.5                   | 0.33                    | 0.08                   | -5.84                 |
| 2,025.0               | 3.02            | 218.22      | 2,024.1               | -36.1        | -20.6        | -35.6                   | 0.37                    | -0.36                  | 1.28                  |
| 2,050.0               | 3.11            | 220.18      | 2,049.0               | -37.1        | -21.4        | -36.6                   | 0.55                    | 0.36                   | 7.84                  |
| 2,075.0               | 3.11            | 219.63      | 2,074.0               | -38.2        | -22.3        | -37.6                   | 0.12                    | 0.00                   | -2.20                 |
| 2,100.0               | 3.07            | 220.29      | 2,098.9               | -39.2        | -23.2        | -38.6                   | 0.21                    | -0.16                  | 2.64                  |
| 2,125.0               | 3.04            | 218.67      | 2,123.9               | -40.2        | -24.0        | -39.6                   | 0.37                    | -0.12                  | -6.48                 |
| 2,150.0               | 2.55            | 209.50      | 2,148.9               | -41.2        | -24.7        | -40.6                   | 2.65                    | -1.96                  | -36.68                |
| 2,175.0               | 2.35            | 201.77      | 2,173.9               | -42.2        | -25.2        | -41.5                   | 1.54                    | -0.80                  | -30.92                |
| 2,200.0               | 2.32            | 195.85      | 2,198.8               | -43.2        | -25.5        | -42.5                   | 0.97                    | -0.12                  | -23.68                |
| 2,225.0               | 2.36            | 193.01      | 2,223.8               | -44.2        | -25.7        | -43.5                   | 0.49                    | 0.16                   | -11.36                |
| 2,250.0               | 2.41            | 193.40      | 2,248.8               | -45.2        | -26.0        | -44.5                   | 0.21                    | 0.20                   | 1.56                  |
| 2,275.0               | 2.37            | 192.97      | 2,273.8               | -46.2        | -26.2        | -45.5                   | 0.18                    | -0.16                  | -1.72                 |
| 2,300.0               | 2.37            | 191.98      | 2,298.8               | -47.2        | -26.4        | -46.5                   | 0.16                    | 0.00                   | -3.96                 |
| 2,325.0               | 2.36            | 191.43      | 2,323.7               | -48.2        | -26.6        | -47.5                   | 0.10                    | -0.04                  | -2.20                 |
| 2,350.0               | 2.34            | 190.71      | 2,348.7               | -49.2        | -26.8        | -48.5                   | 0.14                    | -0.08                  | -2.88                 |
| 2,375.0               | 2.22            | 188.65      | 2,373.7               | -50.2        | -27.0        | -49.5                   | 0.58                    | -0.48                  | -8.24                 |
| 2,400.0               | 2.25            | 188.91      | 2,398.7               | -51.2        | -27.2        | -50.4                   | 0.13                    | 0.12                   | 1.04                  |
| 2,425.0               | 2.16            | 187.45      | 2,423.7               | -52.1        | -27.3        | -51.4                   | 0.42                    | -0.36                  | -5.84                 |
| 2,450.0               | 2.03            | 186.84      | 2,448.6               | -53.0        | -27.4        | -52.3                   | 0.53                    | -0.52                  | -2.44                 |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 2,475.0               | 2.01            | 182.42      | 2,473.6               | -53.9        | -27.5        | -53.2                   | 0.63                    | -0.08                  | -17.68                |
| 2,500.0               | 2.02            | 179.68      | 2,498.6               | -54.8        | -27.5        | -54.0                   | 0.39                    | 0.04                   | -10.96                |
| 2,525.0               | 1.96            | 179.83      | 2,523.6               | -55.6        | -27.5        | -54.9                   | 0.24                    | -0.24                  | 0.60                  |
| 2,550.0               | 1.98            | 178.99      | 2,548.6               | -56.5        | -27.5        | -55.8                   | 0.14                    | 0.08                   | -3.36                 |
| 2,575.0               | 1.96            | 176.61      | 2,573.6               | -57.4        | -27.4        | -56.6                   | 0.34                    | -0.08                  | -9.52                 |
| 2,600.0               | 1.86            | 170.81      | 2,598.5               | -58.2        | -27.4        | -57.5                   | 0.87                    | -0.40                  | -23.20                |
| 2,625.0               | 1.69            | 141.64      | 2,623.5               | -58.9        | -27.1        | -58.1                   | 3.64                    | -0.68                  | -116.68               |
| 2,650.0               | 2.77            | 93.50       | 2,648.5               | -59.2        | -26.2        | -58.5                   | 8.28                    | 4.32                   | -192.56               |
| 2,675.0               | 5.33            | 73.20       | 2,673.5               | -58.9        | -24.5        | -58.2                   | 11.58                   | 10.24                  | -81.20                |
| 2,700.0               | 9.30            | 65.31       | 2,698.2               | -57.7        | -21.6        | -57.1                   | 16.34                   | 15.88                  | -31.56                |
| 2,725.0               | 12.10           | 63.43       | 2,722.8               | -55.7        | -17.4        | -55.2                   | 11.29                   | 11.20                  | -7.52                 |
| 2,750.0               | 12.96           | 62.71       | 2,747.2               | -53.2        | -12.6        | -52.9                   | 3.50                    | 3.44                   | -2.88                 |
| 2,775.0               | 13.03           | 61.92       | 2,771.6               | -50.6        | -7.6         | -50.4                   | 0.76                    | 0.28                   | -3.16                 |
| 2,800.0               | 12.11           | 60.92       | 2,796.0               | -48.0        | -2.8         | -47.9                   | 3.78                    | -3.68                  | -4.00                 |
| 2,825.0               | 10.73           | 57.63       | 2,820.5               | -45.5        | 1.5          | -45.5                   | 6.10                    | -5.52                  | -13.16                |
| 2,850.0               | 8.60            | 51.81       | 2,845.1               | -43.1        | 4.9          | -43.2                   | 9.36                    | -8.52                  | -23.28                |
| 2,875.0               | 7.61            | 48.90       | 2,869.9               | -40.9        | 7.6          | -41.1                   | 4.29                    | -3.96                  | -11.64                |
| 2,900.0               | 6.75            | 46.22       | 2,894.7               | -38.8        | 9.9          | -39.0                   | 3.69                    | -3.44                  | -10.72                |
| 2,925.0               | 5.66            | 42.56       | 2,919.5               | -36.8        | 11.8         | -37.1                   | 4.64                    | -4.36                  | -14.64                |
| 2,950.0               | 4.05            | 36.54       | 2,944.4               | -35.2        | 13.2         | -35.6                   | 6.75                    | -6.44                  | -24.08                |
| 2,975.0               | 3.12            | 27.38       | 2,969.4               | -33.9        | 14.0         | -34.3                   | 4.36                    | -3.72                  | -36.64                |
| 3,000.0               | 2.55            | 28.25       | 2,994.4               | -32.8        | 14.6         | -33.2                   | 2.29                    | -2.28                  | 3.48                  |
| 3,025.0               | 1.68            | 23.69       | 3,019.3               | -32.0        | 15.0         | -32.4                   | 3.54                    | -3.48                  | -18.24                |
| 3,050.0               | 0.79            | 10.02       | 3,044.3               | -31.5        | 15.2         | -31.9                   | 3.73                    | -3.56                  | -54.68                |
| 3,075.0               | 0.67            | 251.28      | 3,069.3               | -31.4        | 15.1         | -31.7                   | 5.03                    | -0.48                  | -474.96               |
| 3,100.0               | 0.72            | 240.40      | 3,094.3               | -31.5        | 14.8         | -31.9                   | 0.56                    | 0.20                   | -43.52                |
| 3,125.0               | 0.81            | 237.43      | 3,119.3               | -31.7        | 14.5         | -32.0                   | 0.39                    | 0.36                   | -11.88                |
| 3,150.0               | 0.76            | 229.21      | 3,144.3               | -31.9        | 14.2         | -32.2                   | 0.49                    | -0.20                  | -32.88                |
| 3,175.0               | 0.84            | 210.05      | 3,169.3               | -32.1        | 14.0         | -32.5                   | 1.11                    | 0.32                   | -76.64                |
| 3,200.0               | 1.30            | 184.00      | 3,194.3               | -32.6        | 13.9         | -32.9                   | 2.63                    | 1.84                   | -104.20               |
| 3,225.0               | 1.95            | 174.40      | 3,219.3               | -33.3        | 13.9         | -33.6                   | 2.81                    | 2.60                   | -38.40                |
| 3,250.0               | 1.99            | 172.77      | 3,244.3               | -34.1        | 14.0         | -34.5                   | 0.28                    | 0.16                   | -6.52                 |
| 3,275.0               | 2.15            | 175.27      | 3,269.3               | -35.0        | 14.1         | -35.4                   | 0.73                    | 0.64                   | 10.00                 |
| 3,300.0               | 2.32            | 180.03      | 3,294.3               | -36.0        | 14.2         | -36.4                   | 1.01                    | 0.68                   | 19.04                 |
| 3,325.0               | 2.34            | 179.21      | 3,319.2               | -37.0        | 14.2         | -37.4                   | 0.16                    | 0.08                   | -3.28                 |
| 3,350.0               | 2.40            | 184.49      | 3,344.2               | -38.0        | 14.1         | -38.4                   | 0.91                    | 0.24                   | 21.12                 |
| 3,375.0               | 2.80            | 188.25      | 3,369.2               | -39.2        | 14.0         | -39.5                   | 1.74                    | 1.60                   | 15.04                 |
| 3,400.0               | 2.97            | 190.60      | 3,394.2               | -40.4        | 13.8         | -40.8                   | 0.83                    | 0.68                   | 9.40                  |
| 3,425.0               | 3.02            | 189.70      | 3,419.1               | -41.7        | 13.6         | -42.0                   | 0.27                    | 0.20                   | -3.60                 |
| 3,450.0               | 3.08            | 192.85      | 3,444.1               | -43.0        | 13.3         | -43.3                   | 0.71                    | 0.24                   | 12.60                 |
| 3,475.0               | 2.86            | 203.18      | 3,469.1               | -44.2        | 12.9         | -44.6                   | 2.31                    | -0.88                  | 41.32                 |
| 3,500.0               | 2.87            | 205.87      | 3,494.0               | -45.4        | 12.4         | -45.7                   | 0.54                    | 0.04                   | 10.76                 |
| 3,525.0               | 2.84            | 204.99      | 3,519.0               | -46.5        | 11.9         | -46.8                   | 0.21                    | -0.12                  | -3.52                 |
| 3,550.0               | 2.79            | 203.22      | 3,544.0               | -47.6        | 11.4         | -47.9                   | 0.40                    | -0.20                  | -7.08                 |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 3,575.0               | 2.63            | 196.56      | 3,568.9               | -48.7        | 10.9         | -49.0                   | 1.41                    | -0.64                  | -26.64                |
| 3,600.0               | 2.71            | 192.01      | 3,593.9               | -49.9        | 10.7         | -50.1                   | 0.91                    | 0.32                   | -18.20                |
| 3,625.0               | 2.71            | 191.10      | 3,618.9               | -51.0        | 10.4         | -51.3                   | 0.17                    | 0.00                   | -3.64                 |
| 3,650.0               | 2.98            | 199.11      | 3,643.9               | -52.2        | 10.1         | -52.5                   | 1.92                    | 1.08                   | 32.04                 |
| 3,675.0               | 3.38            | 208.93      | 3,668.8               | -53.5        | 9.5          | -53.7                   | 2.70                    | 1.60                   | 39.28                 |
| 3,700.0               | 3.58            | 215.68      | 3,693.8               | -54.7        | 8.7          | -55.0                   | 1.82                    | 0.80                   | 27.00                 |
| 3,725.0               | 3.59            | 217.33      | 3,718.7               | -56.0        | 7.8          | -56.2                   | 0.41                    | 0.04                   | 6.60                  |
| 3,750.0               | 3.52            | 219.54      | 3,743.7               | -57.2        | 6.8          | -57.4                   | 0.62                    | -0.28                  | 8.84                  |
| 3,775.0               | 3.44            | 227.44      | 3,768.6               | -58.3        | 5.8          | -58.4                   | 1.94                    | -0.32                  | 31.60                 |
| 3,800.0               | 3.43            | 236.48      | 3,793.6               | -59.2        | 4.6          | -59.3                   | 2.16                    | -0.04                  | 36.16                 |
| 3,825.0               | 3.30            | 238.13      | 3,818.5               | -60.0        | 3.4          | -60.1                   | 0.65                    | -0.52                  | 6.60                  |
| 3,850.0               | 3.37            | 237.26      | 3,843.5               | -60.8        | 2.1          | -60.8                   | 0.35                    | 0.28                   | -3.48                 |
| 3,875.0               | 3.44            | 237.12      | 3,868.5               | -61.6        | 0.9          | -61.6                   | 0.28                    | 0.28                   | -0.56                 |
| 3,900.0               | 3.28            | 238.59      | 3,893.4               | -62.4        | -0.3         | -62.4                   | 0.73                    | -0.64                  | 5.88                  |
| 3,925.0               | 3.08            | 239.70      | 3,918.4               | -63.1        | -1.5         | -63.0                   | 0.84                    | -0.80                  | 4.44                  |
| 3,950.0               | 2.74            | 240.34      | 3,943.3               | -63.7        | -2.6         | -63.6                   | 1.37                    | -1.36                  | 2.56                  |
| 3,975.0               | 2.54            | 243.90      | 3,968.3               | -64.3        | -3.7         | -64.2                   | 1.03                    | -0.80                  | 14.24                 |
| 4,000.0               | 2.05            | 242.72      | 3,993.3               | -64.7        | -4.5         | -64.6                   | 1.97                    | -1.96                  | -4.72                 |
| 4,025.0               | 1.93            | 245.19      | 4,018.3               | -65.1        | -5.3         | -64.9                   | 0.59                    | -0.48                  | 9.88                  |
| 4,050.0               | 1.47            | 248.62      | 4,043.3               | -65.4        | -6.0         | -65.2                   | 1.88                    | -1.84                  | 13.72                 |
| 4,075.0               | 1.66            | 249.73      | 4,068.3               | -65.6        | -6.6         | -65.4                   | 0.77                    | 0.76                   | 4.44                  |
| 4,100.0               | 1.60            | 250.99      | 4,093.2               | -65.9        | -7.3         | -65.7                   | 0.28                    | -0.24                  | 5.04                  |
| 4,125.0               | 1.63            | 249.62      | 4,118.2               | -66.1        | -8.0         | -65.9                   | 0.20                    | 0.12                   | -5.48                 |
| 4,150.0               | 1.68            | 249.31      | 4,143.2               | -66.4        | -8.7         | -66.1                   | 0.20                    | 0.20                   | -1.24                 |
| 4,175.0               | 1.65            | 249.77      | 4,168.2               | -66.6        | -9.3         | -66.4                   | 0.13                    | -0.12                  | 1.84                  |
| 4,200.0               | 1.66            | 247.23      | 4,193.2               | -66.9        | -10.0        | -66.6                   | 0.30                    | 0.04                   | -10.16                |
| 4,225.0               | 2.07            | 233.30      | 4,218.2               | -67.3        | -10.7        | -67.0                   | 2.43                    | 1.64                   | -55.72                |
| 4,250.0               | 2.48            | 227.19      | 4,243.2               | -67.9        | -11.5        | -67.6                   | 1.90                    | 1.64                   | -24.44                |
| 4,275.0               | 2.61            | 226.73      | 4,268.2               | -68.7        | -12.3        | -68.3                   | 0.53                    | 0.52                   | -1.84                 |
| 4,300.0               | 2.64            | 225.13      | 4,293.1               | -69.5        | -13.1        | -69.1                   | 0.32                    | 0.12                   | -6.40                 |
| 4,325.0               | 2.70            | 225.55      | 4,318.1               | -70.3        | -13.9        | -69.9                   | 0.25                    | 0.24                   | 1.68                  |
| 4,350.0               | 2.67            | 226.61      | 4,343.1               | -71.1        | -14.8        | -70.7                   | 0.23                    | -0.12                  | 4.24                  |
| 4,375.0               | 2.58            | 225.83      | 4,368.0               | -71.9        | -15.6        | -71.5                   | 0.39                    | -0.36                  | -3.12                 |
| 4,400.0               | 2.38            | 224.83      | 4,393.0               | -72.7        | -16.4        | -72.2                   | 0.82                    | -0.80                  | -4.00                 |
| 4,425.0               | 2.24            | 221.80      | 4,418.0               | -73.4        | -17.1        | -72.9                   | 0.74                    | -0.56                  | -12.12                |
| 4,450.0               | 1.96            | 214.20      | 4,443.0               | -74.1        | -17.6        | -73.6                   | 1.58                    | -1.12                  | -30.40                |
| 4,475.0               | 1.79            | 207.95      | 4,468.0               | -74.8        | -18.0        | -74.3                   | 1.06                    | -0.68                  | -25.00                |
| 4,500.0               | 1.74            | 197.48      | 4,493.0               | -75.5        | -18.3        | -75.0                   | 1.30                    | -0.20                  | -41.88                |
| 4,525.0               | 1.71            | 189.60      | 4,517.9               | -76.3        | -18.5        | -75.7                   | 0.96                    | -0.12                  | -31.52                |
| 4,550.0               | 1.73            | 178.88      | 4,542.9               | -77.0        | -18.6        | -76.5                   | 1.29                    | 0.08                   | -42.88                |
| 4,575.0               | 1.79            | 174.29      | 4,567.9               | -77.8        | -18.5        | -77.3                   | 0.61                    | 0.24                   | -18.36                |
| 4,600.0               | 1.78            | 175.35      | 4,592.9               | -78.5        | -18.5        | -78.0                   | 0.14                    | -0.04                  | 4.24                  |
| 4,625.0               | 1.81            | 171.48      | 4,617.9               | -79.3        | -18.4        | -78.8                   | 0.50                    | 0.12                   | -15.48                |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,650.0               | 1.72            | 175.81      | 4,642.9               | -80.1        | -18.3        | -79.6                   | 0.64                    | -0.36                  | 17.32                 |
| 4,675.0               | 1.74            | 172.59      | 4,667.9               | -80.8        | -18.2        | -80.3                   | 0.40                    | 0.08                   | -12.88                |
| 4,700.0               | 1.86            | 178.96      | 4,692.9               | -81.6        | -18.1        | -81.1                   | 0.93                    | 0.48                   | 25.48                 |
| 4,725.0               | 2.12            | 183.54      | 4,717.8               | -82.5        | -18.2        | -82.0                   | 1.22                    | 1.04                   | 18.32                 |
| 4,750.0               | 2.31            | 184.26      | 4,742.8               | -83.5        | -18.2        | -82.9                   | 0.77                    | 0.76                   | 2.88                  |
| 4,775.0               | 2.55            | 181.34      | 4,767.8               | -84.5        | -18.3        | -84.0                   | 1.08                    | 0.96                   | -11.68                |
| 4,800.0               | 2.69            | 176.37      | 4,792.8               | -85.7        | -18.3        | -85.1                   | 1.07                    | 0.56                   | -19.88                |
| 4,825.0               | 2.81            | 173.77      | 4,817.8               | -86.8        | -18.2        | -86.3                   | 0.69                    | 0.48                   | -10.40                |
| 4,850.0               | 2.84            | 173.67      | 4,842.7               | -88.1        | -18.0        | -87.6                   | 0.12                    | 0.12                   | -0.40                 |
| 4,875.0               | 2.94            | 173.75      | 4,867.7               | -89.3        | -17.9        | -88.8                   | 0.40                    | 0.40                   | 0.32                  |
| 4,900.0               | 2.79            | 179.99      | 4,892.7               | -90.6        | -17.8        | -90.1                   | 1.38                    | -0.60                  | 24.96                 |
| 4,925.0               | 2.69            | 183.45      | 4,917.6               | -91.8        | -17.8        | -91.3                   | 0.77                    | -0.40                  | 13.84                 |
| 4,950.0               | 2.59            | 189.07      | 4,942.6               | -92.9        | -18.0        | -92.4                   | 1.11                    | -0.40                  | 22.48                 |
| 4,975.0               | 2.54            | 196.87      | 4,967.6               | -94.0        | -18.2        | -93.5                   | 1.41                    | -0.20                  | 31.20                 |
| 5,000.0               | 2.38            | 216.11      | 4,992.6               | -94.9        | -18.7        | -94.4                   | 3.35                    | -0.64                  | 76.96                 |
| 5,025.0               | 2.49            | 230.91      | 5,017.5               | -95.7        | -19.4        | -95.2                   | 2.55                    | 0.44                   | 59.20                 |
| 5,050.0               | 2.46            | 233.46      | 5,042.5               | -96.4        | -20.3        | -95.8                   | 0.46                    | -0.12                  | 10.20                 |
| 5,075.0               | 2.45            | 233.59      | 5,067.5               | -97.0        | -21.1        | -96.4                   | 0.05                    | -0.04                  | 0.52                  |
| 5,100.0               | 2.50            | 233.05      | 5,092.5               | -97.6        | -22.0        | -97.0                   | 0.22                    | 0.20                   | -2.16                 |
| 5,125.0               | 2.43            | 234.50      | 5,117.4               | -98.3        | -22.9        | -97.7                   | 0.37                    | -0.28                  | 5.80                  |
| 5,150.0               | 2.26            | 233.44      | 5,142.4               | -98.9        | -23.7        | -98.2                   | 0.70                    | -0.68                  | -4.24                 |
| 5,175.0               | 2.21            | 232.64      | 5,167.4               | -99.5        | -24.5        | -98.8                   | 0.24                    | -0.20                  | -3.20                 |
| 5,200.0               | 2.19            | 233.54      | 5,192.4               | -100.0       | -25.2        | -99.4                   | 0.16                    | -0.08                  | 3.60                  |
| 5,225.0               | 2.10            | 234.05      | 5,217.4               | -100.6       | -26.0        | -99.9                   | 0.37                    | -0.36                  | 2.04                  |
| 5,250.0               | 2.09            | 235.28      | 5,242.3               | -101.1       | -26.7        | -100.4                  | 0.18                    | -0.04                  | 4.92                  |
| 5,275.0               | 2.01            | 232.90      | 5,267.3               | -101.7       | -27.5        | -100.9                  | 0.47                    | -0.32                  | -9.52                 |
| 5,300.0               | 1.97            | 233.40      | 5,292.3               | -102.2       | -28.2        | -101.4                  | 0.17                    | -0.16                  | 2.00                  |
| 5,325.0               | 1.98            | 234.17      | 5,317.3               | -102.7       | -28.9        | -101.9                  | 0.11                    | 0.04                   | 3.08                  |
| 5,350.0               | 1.95            | 233.17      | 5,342.3               | -103.2       | -29.5        | -102.4                  | 0.18                    | -0.12                  | -4.00                 |
| 5,375.0               | 1.95            | 233.18      | 5,367.3               | -103.7       | -30.2        | -102.9                  | 0.00                    | 0.00                   | 0.04                  |
| 5,400.0               | 1.71            | 233.62      | 5,392.3               | -104.2       | -30.9        | -103.3                  | 0.96                    | -0.96                  | 1.76                  |
| 5,425.0               | 1.71            | 234.00      | 5,417.2               | -104.6       | -31.5        | -103.8                  | 0.05                    | 0.00                   | 1.52                  |
| 5,450.0               | 1.77            | 234.59      | 5,442.2               | -105.1       | -32.1        | -104.2                  | 0.25                    | 0.24                   | 2.36                  |
| 5,475.0               | 1.73            | 234.69      | 5,467.2               | -105.5       | -32.7        | -104.6                  | 0.16                    | -0.16                  | 0.40                  |
| 5,500.0               | 1.73            | 234.11      | 5,492.2               | -105.9       | -33.3        | -105.0                  | 0.07                    | 0.00                   | -2.32                 |
| 5,525.0               | 1.65            | 233.43      | 5,517.2               | -106.4       | -33.9        | -105.5                  | 0.33                    | -0.32                  | -2.72                 |
| 5,550.0               | 1.51            | 235.49      | 5,542.2               | -106.8       | -34.5        | -105.8                  | 0.60                    | -0.56                  | 8.24                  |
| 5,575.0               | 1.53            | 235.73      | 5,567.2               | -107.2       | -35.0        | -106.2                  | 0.08                    | 0.08                   | 0.96                  |
| 5,600.0               | 1.47            | 236.59      | 5,592.2               | -107.5       | -35.6        | -106.6                  | 0.26                    | -0.24                  | 3.44                  |
| 5,625.0               | 1.50            | 237.11      | 5,617.2               | -107.9       | -36.1        | -106.9                  | 0.13                    | 0.12                   | 2.08                  |
| 5,650.0               | 1.42            | 237.79      | 5,642.2               | -108.2       | -36.6        | -107.2                  | 0.33                    | -0.32                  | 2.72                  |
| 5,675.0               | 1.32            | 237.02      | 5,667.2               | -108.5       | -37.1        | -107.5                  | 0.41                    | -0.40                  | -3.08                 |
| 5,700.0               | 1.34            | 238.67      | 5,692.1               | -108.8       | -37.6        | -107.8                  | 0.17                    | 0.08                   | 6.60                  |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latslaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latslaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 5,725.0               | 1.30            | 237.69      | 5,717.1               | -109.1       | -38.1        | -108.1                  | 0.18                    | -0.16                  | -3.92                 |  |
| 5,750.0               | 1.31            | 238.14      | 5,742.1               | -109.5       | -38.6        | -108.4                  | 0.06                    | 0.04                   | 1.80                  |  |
| 5,775.0               | 1.22            | 238.18      | 5,767.1               | -109.7       | -39.1        | -108.7                  | 0.36                    | -0.36                  | 0.16                  |  |
| 5,800.0               | 1.22            | 237.70      | 5,792.1               | -110.0       | -39.5        | -109.0                  | 0.04                    | 0.00                   | -1.92                 |  |
| 5,825.0               | 1.30            | 237.70      | 5,817.1               | -110.3       | -40.0        | -109.2                  | 0.32                    | 0.32                   | 0.00                  |  |
| 5,850.0               | 1.25            | 239.80      | 5,842.1               | -110.6       | -40.5        | -109.5                  | 0.27                    | -0.20                  | 8.40                  |  |
| 5,875.0               | 1.34            | 237.81      | 5,867.1               | -110.9       | -41.0        | -109.8                  | 0.40                    | 0.36                   | -7.96                 |  |
| 5,900.0               | 1.31            | 239.06      | 5,892.1               | -111.2       | -41.4        | -110.1                  | 0.17                    | -0.12                  | 5.00                  |  |
| 5,925.0               | 1.36            | 235.72      | 5,917.1               | -111.5       | -41.9        | -110.4                  | 0.37                    | 0.20                   | -13.36                |  |
| 5,950.0               | 1.52            | 239.59      | 5,942.1               | -111.9       | -42.5        | -110.7                  | 0.75                    | 0.64                   | 15.48                 |  |
| 5,975.0               | 1.57            | 240.39      | 5,967.1               | -112.2       | -43.1        | -111.0                  | 0.22                    | 0.20                   | 3.20                  |  |
| 6,000.0               | 1.61            | 236.07      | 5,992.1               | -112.6       | -43.6        | -111.4                  | 0.51                    | 0.16                   | -17.28                |  |
| 6,025.0               | 1.56            | 236.02      | 6,017.1               | -112.9       | -44.2        | -111.7                  | 0.20                    | -0.20                  | -0.20                 |  |
| 6,050.0               | 1.67            | 237.14      | 6,042.0               | -113.3       | -44.8        | -112.1                  | 0.46                    | 0.44                   | 4.48                  |  |
| 6,075.0               | 1.63            | 234.99      | 6,067.0               | -113.7       | -45.4        | -112.5                  | 0.29                    | -0.16                  | -8.60                 |  |
| 6,100.0               | 1.64            | 236.66      | 6,092.0               | -114.1       | -46.0        | -112.9                  | 0.19                    | 0.04                   | 6.68                  |  |
| 6,125.0               | 1.48            | 236.36      | 6,117.0               | -114.5       | -46.6        | -113.3                  | 0.64                    | -0.64                  | -1.20                 |  |
| 6,150.0               | 1.47            | 238.74      | 6,142.0               | -114.9       | -47.1        | -113.6                  | 0.25                    | -0.04                  | 9.52                  |  |
| 6,175.0               | 1.46            | 241.43      | 6,167.0               | -115.2       | -47.7        | -113.9                  | 0.28                    | -0.04                  | 10.76                 |  |
| 6,200.0               | 1.49            | 241.62      | 6,192.0               | -115.5       | -48.2        | -114.2                  | 0.12                    | 0.12                   | 0.76                  |  |
| 6,225.0               | 1.39            | 236.29      | 6,217.0               | -115.8       | -48.8        | -114.5                  | 0.67                    | -0.40                  | -21.32                |  |
| 6,250.0               | 1.47            | 239.76      | 6,242.0               | -116.1       | -49.3        | -114.8                  | 0.47                    | 0.32                   | 13.88                 |  |
| 6,275.0               | 1.42            | 239.32      | 6,267.0               | -116.4       | -49.8        | -115.1                  | 0.20                    | -0.20                  | -1.76                 |  |
| 6,300.0               | 1.48            | 240.39      | 6,292.0               | -116.8       | -50.4        | -115.4                  | 0.26                    | 0.24                   | 4.28                  |  |
| 6,325.0               | 1.46            | 239.14      | 6,316.9               | -117.1       | -50.9        | -115.7                  | 0.15                    | -0.08                  | -5.00                 |  |
| 6,350.0               | 1.45            | 240.16      | 6,341.9               | -117.4       | -51.5        | -116.0                  | 0.11                    | -0.04                  | 4.08                  |  |
| 6,375.0               | 1.54            | 237.92      | 6,366.9               | -117.7       | -52.0        | -116.3                  | 0.43                    | 0.36                   | -8.96                 |  |
| 6,400.0               | 1.42            | 240.27      | 6,391.9               | -118.1       | -52.6        | -116.7                  | 0.54                    | -0.48                  | 9.40                  |  |
| 6,425.0               | 1.54            | 238.62      | 6,416.9               | -118.4       | -53.1        | -117.0                  | 0.51                    | 0.48                   | -6.60                 |  |
| 6,450.0               | 1.49            | 239.08      | 6,441.9               | -118.7       | -53.7        | -117.3                  | 0.21                    | -0.20                  | 1.84                  |  |
| 6,475.0               | 1.45            | 240.40      | 6,466.9               | -119.1       | -54.3        | -117.6                  | 0.21                    | -0.16                  | 5.28                  |  |
| 6,500.0               | 1.48            | 239.31      | 6,491.9               | -119.4       | -54.8        | -117.9                  | 0.16                    | 0.12                   | -4.36                 |  |
| 6,525.0               | 1.45            | 240.01      | 6,516.9               | -119.7       | -55.4        | -118.2                  | 0.14                    | -0.12                  | 2.80                  |  |
| 6,550.0               | 1.48            | 239.36      | 6,541.9               | -120.0       | -55.9        | -118.5                  | 0.14                    | 0.12                   | -2.60                 |  |
| 6,575.0               | 1.51            | 239.21      | 6,566.9               | -120.4       | -56.5        | -118.9                  | 0.12                    | 0.12                   | -0.60                 |  |
| 6,600.0               | 1.48            | 239.28      | 6,591.9               | -120.7       | -57.0        | -119.2                  | 0.12                    | -0.12                  | 0.28                  |  |
| 6,625.0               | 1.54            | 238.57      | 6,616.8               | -121.0       | -57.6        | -119.5                  | 0.25                    | 0.24                   | -2.84                 |  |
| 6,650.0               | 1.49            | 238.73      | 6,641.8               | -121.4       | -58.2        | -119.8                  | 0.20                    | -0.20                  | 0.64                  |  |
| 6,675.0               | 1.50            | 238.04      | 6,666.8               | -121.7       | -58.7        | -120.2                  | 0.08                    | 0.04                   | -2.76                 |  |
| 6,700.0               | 1.44            | 239.05      | 6,691.8               | -122.1       | -59.3        | -120.5                  | 0.26                    | -0.24                  | 4.04                  |  |
| 6,725.0               | 1.40            | 237.34      | 6,716.8               | -122.4       | -59.8        | -120.8                  | 0.23                    | -0.16                  | -6.84                 |  |
| 6,750.0               | 1.37            | 240.07      | 6,741.8               | -122.7       | -60.3        | -121.1                  | 0.29                    | -0.12                  | 10.92                 |  |
| 6,775.0               | 1.43            | 239.02      | 6,766.8               | -123.0       | -60.8        | -121.4                  | 0.26                    | 0.24                   | -4.20                 |  |
| 6,800.0               | 1.38            | 236.51      | 6,791.8               | -123.3       | -61.4        | -121.7                  | 0.32                    | -0.20                  | -10.04                |  |



|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 6,825.0               | 1.28            | 234.41      | 6,816.8               | -123.7       | -61.8        | -122.0                  | 0.44                    | -0.40                  | -8.40                 |
| 6,850.0               | 1.31            | 237.10      | 6,841.8               | -124.0       | -62.3        | -122.3                  | 0.27                    | 0.12                   | 10.76                 |
| 6,875.0               | 1.30            | 237.39      | 6,866.8               | -124.3       | -62.8        | -122.6                  | 0.05                    | -0.04                  | 1.16                  |
| 6,900.0               | 1.40            | 239.70      | 6,891.8               | -124.6       | -63.3        | -122.9                  | 0.46                    | 0.40                   | 9.24                  |
| 6,925.0               | 1.31            | 239.11      | 6,916.8               | -124.9       | -63.8        | -123.2                  | 0.36                    | -0.36                  | -2.36                 |
| 6,950.0               | 1.21            | 237.10      | 6,941.8               | -125.2       | -64.3        | -123.5                  | 0.44                    | -0.40                  | -8.04                 |
| 6,975.0               | 1.23            | 239.76      | 6,966.7               | -125.5       | -64.7        | -123.7                  | 0.24                    | 0.08                   | 10.64                 |
| 7,000.0               | 1.28            | 239.78      | 6,991.7               | -125.7       | -65.2        | -124.0                  | 0.20                    | 0.20                   | 0.08                  |
| 7,025.0               | 1.23            | 239.02      | 7,016.7               | -126.0       | -65.7        | -124.3                  | 0.21                    | -0.20                  | -3.04                 |
| 7,050.0               | 1.20            | 236.46      | 7,041.7               | -126.3       | -66.1        | -124.5                  | 0.25                    | -0.12                  | -10.24                |
| 7,075.0               | 1.16            | 236.21      | 7,066.7               | -126.6       | -66.5        | -124.8                  | 0.16                    | -0.16                  | -1.00                 |
| 7,100.0               | 1.17            | 236.43      | 7,091.7               | -126.9       | -67.0        | -125.1                  | 0.04                    | 0.04                   | 0.88                  |
| 7,125.0               | 1.14            | 237.86      | 7,116.7               | -127.2       | -67.4        | -125.4                  | 0.17                    | -0.12                  | 5.72                  |
| 7,150.0               | 1.10            | 236.81      | 7,141.7               | -127.4       | -67.8        | -125.6                  | 0.18                    | -0.16                  | -4.20                 |
| 7,175.0               | 1.13            | 234.77      | 7,166.7               | -127.7       | -68.2        | -125.9                  | 0.20                    | 0.12                   | -8.16                 |
| 7,200.0               | 1.04            | 239.09      | 7,191.7               | -127.9       | -68.6        | -126.1                  | 0.49                    | -0.36                  | 17.28                 |
| 7,225.0               | 1.09            | 239.57      | 7,216.7               | -128.2       | -69.0        | -126.3                  | 0.20                    | 0.20                   | 1.92                  |
| 7,250.0               | 1.06            | 238.67      | 7,241.7               | -128.4       | -69.4        | -126.6                  | 0.14                    | -0.12                  | -3.60                 |
| 7,275.0               | 1.14            | 239.36      | 7,266.7               | -128.7       | -69.8        | -126.8                  | 0.32                    | 0.32                   | 2.76                  |
| 7,300.0               | 1.12            | 240.76      | 7,291.7               | -128.9       | -70.2        | -127.0                  | 0.14                    | -0.08                  | 5.60                  |
| 7,325.0               | 1.09            | 238.86      | 7,316.7               | -129.2       | -70.7        | -127.3                  | 0.19                    | -0.12                  | -7.60                 |
| 7,350.0               | 1.12            | 240.56      | 7,341.7               | -129.4       | -71.1        | -127.5                  | 0.18                    | 0.12                   | 6.80                  |
| 7,375.0               | 1.13            | 238.98      | 7,366.7               | -129.6       | -71.5        | -127.7                  | 0.13                    | 0.04                   | -6.32                 |
| 7,400.0               | 1.03            | 240.57      | 7,391.7               | -129.9       | -71.9        | -128.0                  | 0.42                    | -0.40                  | 6.36                  |
| 7,425.0               | 1.06            | 239.36      | 7,416.7               | -130.1       | -72.3        | -128.2                  | 0.15                    | 0.12                   | -4.84                 |
| 7,450.0               | 1.07            | 237.72      | 7,441.7               | -130.4       | -72.7        | -128.4                  | 0.13                    | 0.04                   | -6.56                 |
| 7,475.0               | 1.12            | 236.33      | 7,466.7               | -130.6       | -73.1        | -128.7                  | 0.23                    | 0.20                   | -5.56                 |
| 7,500.0               | 1.11            | 240.00      | 7,491.6               | -130.9       | -73.5        | -128.9                  | 0.29                    | -0.04                  | 14.68                 |
| 7,525.0               | 1.13            | 238.67      | 7,516.6               | -131.1       | -73.9        | -129.2                  | 0.13                    | 0.08                   | -5.32                 |
| 7,550.0               | 1.10            | 242.13      | 7,541.6               | -131.4       | -74.3        | -129.4                  | 0.29                    | -0.12                  | 13.84                 |
| 7,575.0               | 1.10            | 240.24      | 7,566.6               | -131.6       | -74.8        | -129.6                  | 0.15                    | 0.00                   | -7.56                 |
| 7,600.0               | 1.06            | 237.07      | 7,591.6               | -131.8       | -75.2        | -129.8                  | 0.29                    | -0.16                  | -12.68                |
| 7,625.0               | 1.14            | 237.60      | 7,616.6               | -132.1       | -75.6        | -130.1                  | 0.32                    | 0.32                   | 2.12                  |
| 7,650.0               | 1.06            | 241.33      | 7,641.6               | -132.3       | -76.0        | -130.3                  | 0.43                    | -0.32                  | 14.92                 |
| 7,675.0               | 1.05            | 237.18      | 7,666.6               | -132.6       | -76.4        | -130.5                  | 0.31                    | -0.04                  | -16.60                |
| 7,700.0               | 1.11            | 238.08      | 7,691.6               | -132.8       | -76.8        | -130.8                  | 0.25                    | 0.24                   | 3.60                  |
| 7,725.0               | 1.06            | 242.26      | 7,716.6               | -133.1       | -77.2        | -131.0                  | 0.37                    | -0.20                  | 16.72                 |
| 7,750.0               | 1.10            | 239.73      | 7,741.6               | -133.3       | -77.6        | -131.2                  | 0.25                    | 0.16                   | -10.12                |
| 7,775.0               | 1.12            | 239.81      | 7,766.6               | -133.5       | -78.0        | -131.5                  | 0.08                    | 0.08                   | 0.32                  |
| 7,800.0               | 1.11            | 240.72      | 7,791.6               | -133.8       | -78.4        | -131.7                  | 0.08                    | -0.04                  | 3.64                  |
| 7,825.0               | 1.13            | 241.51      | 7,816.6               | -134.0       | -78.9        | -131.9                  | 0.10                    | 0.08                   | 3.16                  |
| 7,850.0               | 1.14            | 241.76      | 7,841.6               | -134.3       | -79.3        | -132.1                  | 0.04                    | 0.04                   | 1.00                  |
| 7,875.0               | 1.09            | 243.05      | 7,866.6               | -134.5       | -79.7        | -132.4                  | 0.22                    | -0.20                  | 5.16                  |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latslaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latslaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 7,900.0               | 1.01            | 241.56      | 7,891.6               | -134.7       | -80.1        | -132.6                  | 0.34                    | -0.32                  | -5.96                 |  |
| 7,925.0               | 0.99            | 244.13      | 7,916.6               | -134.9       | -80.5        | -132.7                  | 0.20                    | -0.08                  | 10.28                 |  |
| 7,950.0               | 1.04            | 245.69      | 7,941.6               | -135.1       | -80.9        | -132.9                  | 0.23                    | 0.20                   | 6.24                  |  |
| 7,975.0               | 1.24            | 244.59      | 7,966.6               | -135.3       | -81.4        | -133.1                  | 0.80                    | 0.80                   | -4.40                 |  |
| 8,000.0               | 1.08            | 240.88      | 7,991.6               | -135.5       | -81.8        | -133.3                  | 0.71                    | -0.64                  | -14.84                |  |
| 8,025.0               | 1.00            | 243.61      | 8,016.6               | -135.7       | -82.2        | -133.5                  | 0.38                    | -0.32                  | 10.92                 |  |
| 8,050.0               | 0.93            | 244.79      | 8,041.5               | -135.9       | -82.6        | -133.7                  | 0.29                    | -0.28                  | 4.72                  |  |
| 8,075.0               | 0.97            | 246.67      | 8,066.5               | -136.1       | -83.0        | -133.9                  | 0.20                    | 0.16                   | 7.52                  |  |
| 8,100.0               | 0.96            | 248.92      | 8,091.5               | -136.2       | -83.4        | -134.0                  | 0.16                    | -0.04                  | 9.00                  |  |
| 8,125.0               | 0.92            | 248.29      | 8,116.5               | -136.4       | -83.8        | -134.2                  | 0.17                    | -0.16                  | -2.52                 |  |
| 8,150.0               | 0.89            | 246.45      | 8,141.5               | -136.5       | -84.1        | -134.3                  | 0.17                    | -0.12                  | -7.36                 |  |
| 8,175.0               | 0.90            | 246.12      | 8,166.5               | -136.7       | -84.5        | -134.5                  | 0.05                    | 0.04                   | -1.32                 |  |
| 8,200.0               | 0.85            | 237.50      | 8,191.5               | -136.9       | -84.8        | -134.6                  | 0.56                    | -0.20                  | -34.48                |  |
| 8,225.0               | 0.82            | 219.21      | 8,216.5               | -137.1       | -85.1        | -134.9                  | 1.07                    | -0.12                  | -73.16                |  |
| 8,250.0               | 0.89            | 223.07      | 8,241.5               | -137.4       | -85.3        | -135.1                  | 0.36                    | 0.28                   | 15.44                 |  |
| 8,275.0               | 0.88            | 215.57      | 8,266.5               | -137.7       | -85.6        | -135.4                  | 0.46                    | -0.04                  | -30.00                |  |
| 8,300.0               | 0.87            | 216.84      | 8,291.5               | -138.0       | -85.8        | -135.7                  | 0.09                    | -0.04                  | 5.08                  |  |
| 8,325.0               | 0.85            | 215.81      | 8,316.5               | -138.3       | -86.0        | -136.0                  | 0.10                    | -0.08                  | -4.12                 |  |
| 8,350.0               | 0.82            | 221.20      | 8,341.5               | -138.6       | -86.3        | -136.3                  | 0.34                    | -0.12                  | 21.56                 |  |
| 8,375.0               | 0.89            | 216.32      | 8,366.5               | -138.9       | -86.5        | -136.6                  | 0.40                    | 0.28                   | -19.52                |  |
| 8,400.0               | 0.90            | 220.82      | 8,391.5               | -139.2       | -86.7        | -136.9                  | 0.28                    | 0.04                   | 18.00                 |  |
| 8,425.0               | 0.93            | 215.51      | 8,416.5               | -139.5       | -87.0        | -137.2                  | 0.36                    | 0.12                   | -21.24                |  |
| 8,450.0               | 0.88            | 220.69      | 8,441.5               | -139.8       | -87.2        | -137.5                  | 0.38                    | -0.20                  | 20.72                 |  |
| 8,475.0               | 0.90            | 215.55      | 8,466.5               | -140.1       | -87.5        | -137.8                  | 0.33                    | 0.08                   | -20.56                |  |
| 8,500.0               | 1.20            | 186.99      | 8,491.5               | -140.5       | -87.6        | -138.2                  | 2.38                    | 1.20                   | -114.24               |  |
| 8,525.0               | 1.51            | 177.82      | 8,516.5               | -141.1       | -87.6        | -138.8                  | 1.51                    | 1.24                   | -36.68                |  |
| 8,550.0               | 1.54            | 178.93      | 8,541.5               | -141.8       | -87.6        | -139.5                  | 0.17                    | 0.12                   | 4.44                  |  |
| 8,575.0               | 1.59            | 177.99      | 8,566.5               | -142.5       | -87.6        | -140.1                  | 0.22                    | 0.20                   | -3.76                 |  |
| 8,600.0               | 1.61            | 176.07      | 8,591.5               | -143.2       | -87.6        | -140.8                  | 0.23                    | 0.08                   | -7.68                 |  |
| 8,625.0               | 1.51            | 175.74      | 8,616.4               | -143.8       | -87.5        | -141.5                  | 0.40                    | -0.40                  | -1.32                 |  |
| 8,650.0               | 1.58            | 177.61      | 8,641.4               | -144.5       | -87.5        | -142.2                  | 0.35                    | 0.28                   | 7.48                  |  |
| 8,675.0               | 1.59            | 177.72      | 8,666.4               | -145.2       | -87.4        | -142.9                  | 0.04                    | 0.04                   | 0.44                  |  |
| 8,700.0               | 1.55            | 179.38      | 8,691.4               | -145.9       | -87.4        | -143.6                  | 0.24                    | -0.16                  | 6.64                  |  |
| 8,725.0               | 1.43            | 181.72      | 8,716.4               | -146.5       | -87.4        | -144.2                  | 0.54                    | -0.48                  | 9.36                  |  |
| 8,750.0               | 1.41            | 179.01      | 8,741.4               | -147.2       | -87.4        | -144.8                  | 0.28                    | -0.08                  | -10.84                |  |
| 8,775.0               | 1.02            | 181.67      | 8,766.4               | -147.7       | -87.4        | -145.4                  | 1.58                    | -1.56                  | 10.64                 |  |
| 8,800.0               | 0.74            | 184.12      | 8,791.4               | -148.1       | -87.4        | -145.7                  | 1.13                    | -1.12                  | 9.80                  |  |
| 8,825.0               | 0.56            | 191.39      | 8,816.4               | -148.4       | -87.5        | -146.0                  | 0.79                    | -0.72                  | 29.08                 |  |
| 8,850.0               | 0.48            | 195.50      | 8,841.4               | -148.6       | -87.5        | -146.2                  | 0.35                    | -0.32                  | 16.44                 |  |
| 8,875.0               | 0.47            | 194.23      | 8,866.4               | -148.8       | -87.6        | -146.4                  | 0.06                    | -0.04                  | -5.08                 |  |
| 8,900.0               | 0.39            | 190.94      | 8,891.4               | -149.0       | -87.6        | -146.6                  | 0.33                    | -0.32                  | -13.16                |  |
| 8,925.0               | 0.35            | 188.81      | 8,916.4               | -149.1       | -87.7        | -146.8                  | 0.17                    | -0.16                  | -8.52                 |  |
| 8,950.0               | 0.39            | 190.49      | 8,941.4               | -149.3       | -87.7        | -146.9                  | 0.17                    | 0.16                   | 6.72                  |  |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,975.0               | 0.35            | 206.63      | 8,966.4               | -149.4       | -87.7        | -147.1                  | 0.44                    | -0.16                  | 64.56                 |
| 9,000.0               | 0.30            | 194.16      | 8,991.4               | -149.6       | -87.8        | -147.2                  | 0.35                    | -0.20                  | -49.88                |
| 9,025.0               | 0.25            | 205.32      | 9,016.4               | -149.7       | -87.8        | -147.3                  | 0.29                    | -0.20                  | 44.64                 |
| 9,050.0               | 0.29            | 221.04      | 9,041.4               | -149.8       | -87.9        | -147.4                  | 0.34                    | 0.16                   | 62.88                 |
| 9,075.0               | 0.25            | 213.40      | 9,066.4               | -149.9       | -88.0        | -147.5                  | 0.21                    | -0.16                  | -30.56                |
| 9,100.0               | 0.23            | 194.76      | 9,091.4               | -150.0       | -88.0        | -147.6                  | 0.32                    | -0.08                  | -74.56                |
| 9,125.0               | 0.20            | 203.07      | 9,116.4               | -150.1       | -88.0        | -147.7                  | 0.17                    | -0.12                  | 33.24                 |
| 9,150.0               | 0.22            | 221.08      | 9,141.4               | -150.1       | -88.1        | -147.8                  | 0.27                    | 0.08                   | 72.04                 |
| 9,175.0               | 0.19            | 244.44      | 9,166.4               | -150.2       | -88.2        | -147.8                  | 0.35                    | -0.12                  | 93.44                 |
| 9,200.0               | 0.18            | 226.55      | 9,191.4               | -150.2       | -88.2        | -147.9                  | 0.23                    | -0.04                  | -71.56                |
| 9,225.0               | 0.21            | 206.74      | 9,216.4               | -150.3       | -88.3        | -147.9                  | 0.29                    | 0.12                   | -79.24                |
| 9,250.0               | 0.24            | 225.07      | 9,241.4               | -150.4       | -88.3        | -148.0                  | 0.31                    | 0.12                   | 73.32                 |
| 9,275.0               | 0.24            | 274.50      | 9,266.4               | -150.4       | -88.4        | -148.0                  | 0.80                    | 0.00                   | 197.72                |
| 9,300.0               | 0.25            | 250.33      | 9,291.4               | -150.4       | -88.5        | -148.1                  | 0.41                    | 0.04                   | -96.68                |
| 9,325.0               | 0.23            | 250.43      | 9,316.4               | -150.5       | -88.6        | -148.1                  | 0.08                    | -0.08                  | 0.40                  |
| 9,350.0               | 0.28            | 264.72      | 9,341.4               | -150.5       | -88.7        | -148.1                  | 0.32                    | 0.20                   | 57.16                 |
| 9,375.0               | 0.37            | 274.86      | 9,366.4               | -150.5       | -88.9        | -148.1                  | 0.43                    | 0.36                   | 40.56                 |
| 9,400.0               | 0.43            | 287.59      | 9,391.4               | -150.4       | -89.0        | -148.1                  | 0.43                    | 0.24                   | 50.92                 |
| 9,425.0               | 0.45            | 296.34      | 9,416.4               | -150.4       | -89.2        | -148.0                  | 0.28                    | 0.08                   | 35.00                 |
| 9,450.0               | 0.63            | 299.53      | 9,441.4               | -150.3       | -89.4        | -147.9                  | 0.73                    | 0.72                   | 12.76                 |
| 9,475.0               | 0.87            | 306.30      | 9,466.4               | -150.1       | -89.7        | -147.7                  | 1.02                    | 0.96                   | 27.08                 |
| 9,500.0               | 0.94            | 306.02      | 9,491.4               | -149.8       | -90.0        | -147.4                  | 0.28                    | 0.28                   | -1.12                 |
| 9,525.0               | 1.10            | 307.68      | 9,516.4               | -149.6       | -90.4        | -147.2                  | 0.65                    | 0.64                   | 6.64                  |
| 9,550.0               | 1.18            | 308.70      | 9,541.4               | -149.3       | -90.8        | -146.9                  | 0.33                    | 0.32                   | 4.08                  |
| 9,575.0               | 1.21            | 305.52      | 9,566.4               | -149.0       | -91.2        | -146.5                  | 0.29                    | 0.12                   | -12.72                |
| 9,600.0               | 1.19            | 306.61      | 9,591.4               | -148.6       | -91.6        | -146.2                  | 0.12                    | -0.08                  | 4.36                  |
| 9,625.0               | 1.25            | 305.18      | 9,616.4               | -148.3       | -92.0        | -145.9                  | 0.27                    | 0.24                   | -5.72                 |
| 9,650.0               | 1.29            | 305.38      | 9,641.3               | -148.0       | -92.5        | -145.6                  | 0.16                    | 0.16                   | 0.80                  |
| 9,675.0               | 1.23            | 305.22      | 9,666.3               | -147.7       | -92.9        | -145.2                  | 0.24                    | -0.24                  | -0.64                 |
| 9,700.0               | 1.12            | 299.61      | 9,691.3               | -147.4       | -93.4        | -144.9                  | 0.64                    | -0.44                  | -22.44                |
| 9,725.0               | 0.44            | 240.14      | 9,716.3               | -147.3       | -93.7        | -144.9                  | 3.89                    | -2.72                  | -237.88               |
| 9,750.0               | 0.61            | 207.12      | 9,741.3               | -147.5       | -93.8        | -145.0                  | 1.36                    | 0.68                   | -132.08               |
| 9,775.0               | 0.62            | 191.89      | 9,766.3               | -147.8       | -93.9        | -145.3                  | 0.65                    | 0.04                   | -60.92                |
| 9,800.0               | 0.69            | 188.85      | 9,791.3               | -148.0       | -93.9        | -145.5                  | 0.31                    | 0.28                   | -12.16                |
| 9,825.0               | 0.72            | 184.49      | 9,816.3               | -148.4       | -94.0        | -145.9                  | 0.25                    | 0.12                   | -17.44                |
| 9,850.0               | 0.63            | 185.66      | 9,841.3               | -148.6       | -94.0        | -146.1                  | 0.36                    | -0.36                  | 4.68                  |
| 9,875.0               | 0.68            | 185.94      | 9,866.3               | -148.9       | -94.0        | -146.4                  | 0.20                    | 0.20                   | 1.12                  |
| 9,900.0               | 0.66            | 189.88      | 9,891.3               | -149.2       | -94.1        | -146.7                  | 0.20                    | -0.08                  | 15.76                 |
| 9,925.0               | 0.75            | 185.49      | 9,916.3               | -149.5       | -94.1        | -147.0                  | 0.42                    | 0.36                   | -17.56                |
| 9,950.0               | 0.64            | 182.66      | 9,941.3               | -149.8       | -94.1        | -147.3                  | 0.46                    | -0.44                  | -11.32                |
| 9,975.0               | 0.72            | 182.38      | 9,966.3               | -150.1       | -94.1        | -147.6                  | 0.32                    | 0.32                   | -1.12                 |
| 10,000.0              | 0.78            | 184.50      | 9,991.3               | -150.4       | -94.2        | -147.9                  | 0.26                    | 0.24                   | 8.48                  |
| 10,025.0              | 0.79            | 184.39      | 10,016.3              | -150.8       | -94.2        | -148.3                  | 0.04                    | 0.04                   | -0.44                 |
| 10,050.0              | 0.75            | 186.51      | 10,041.3              | -151.1       | -94.2        | -148.6                  | 0.20                    | -0.16                  | 8.48                  |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 10,075.0              | 0.69            | 182.65      | 10,066.3              | -151.4       | -94.3        | -148.9                  | 0.31                    | -0.24                  | -15.44                |
| 10,100.0              | 0.65            | 185.95      | 10,091.3              | -151.7       | -94.3        | -149.2                  | 0.22                    | -0.16                  | 13.20                 |
| 10,125.0              | 0.63            | 190.85      | 10,116.3              | -152.0       | -94.3        | -149.5                  | 0.23                    | -0.08                  | 19.60                 |
| 10,150.0              | 0.58            | 189.31      | 10,141.3              | -152.3       | -94.4        | -149.8                  | 0.21                    | -0.20                  | -6.16                 |
| 10,175.0              | 0.59            | 187.22      | 10,166.3              | -152.5       | -94.4        | -150.0                  | 0.09                    | 0.04                   | -8.36                 |
| 10,200.0              | 0.59            | 207.25      | 10,191.3              | -152.8       | -94.5        | -150.2                  | 0.82                    | 0.00                   | 80.12                 |
| 10,225.0              | 0.66            | 215.36      | 10,216.3              | -153.0       | -94.6        | -150.5                  | 0.45                    | 0.28                   | 32.44                 |
| 10,250.0              | 0.72            | 218.02      | 10,241.3              | -153.2       | -94.8        | -150.7                  | 0.27                    | 0.24                   | 10.64                 |
| 10,275.0              | 0.66            | 219.61      | 10,266.3              | -153.5       | -95.0        | -150.9                  | 0.25                    | -0.24                  | 6.36                  |
| 10,300.0              | 0.77            | 237.57      | 10,291.3              | -153.7       | -95.2        | -151.1                  | 0.99                    | 0.44                   | 71.84                 |
| 10,325.0              | 0.65            | 241.89      | 10,316.3              | -153.8       | -95.5        | -151.3                  | 0.53                    | -0.48                  | 17.28                 |
| 10,350.0              | 0.78            | 239.96      | 10,341.3              | -154.0       | -95.8        | -151.4                  | 0.53                    | 0.52                   | -7.72                 |
| 10,375.0              | 0.77            | 234.39      | 10,366.3              | -154.2       | -96.0        | -151.6                  | 0.30                    | -0.04                  | -22.28                |
| 10,400.0              | 0.67            | 236.28      | 10,391.3              | -154.3       | -96.3        | -151.8                  | 0.41                    | -0.40                  | 7.56                  |
| 10,425.0              | 0.62            | 239.79      | 10,416.3              | -154.5       | -96.5        | -151.9                  | 0.25                    | -0.20                  | 14.04                 |
| 10,450.0              | 0.57            | 239.84      | 10,441.3              | -154.6       | -96.8        | -152.0                  | 0.20                    | -0.20                  | 0.20                  |
| 10,475.0              | 0.54            | 238.46      | 10,466.3              | -154.7       | -97.0        | -152.2                  | 0.13                    | -0.12                  | -5.52                 |
| 10,500.0              | 0.56            | 240.72      | 10,491.3              | -154.9       | -97.2        | -152.3                  | 0.12                    | 0.08                   | 9.04                  |
| 10,525.0              | 0.53            | 238.52      | 10,516.3              | -155.0       | -97.4        | -152.4                  | 0.15                    | -0.12                  | -8.80                 |
| 10,550.0              | 0.61            | 245.24      | 10,541.3              | -155.1       | -97.6        | -152.5                  | 0.42                    | 0.32                   | 26.88                 |
| 10,575.0              | 0.57            | 237.99      | 10,566.3              | -155.2       | -97.8        | -152.6                  | 0.34                    | -0.16                  | -29.00                |
| 10,600.0              | 0.59            | 239.06      | 10,591.3              | -155.4       | -98.0        | -152.7                  | 0.09                    | 0.08                   | 4.28                  |
| 10,625.0              | 0.59            | 246.75      | 10,616.3              | -155.5       | -98.3        | -152.9                  | 0.32                    | 0.00                   | 30.76                 |
| 10,650.0              | 0.55            | 237.58      | 10,641.3              | -155.6       | -98.5        | -153.0                  | 0.40                    | -0.16                  | -36.68                |
| 10,675.0              | 0.46            | 236.18      | 10,666.3              | -155.7       | -98.7        | -153.1                  | 0.36                    | -0.36                  | -5.60                 |
| 10,700.0              | 0.48            | 224.08      | 10,691.3              | -155.8       | -98.8        | -153.2                  | 0.40                    | 0.08                   | -48.40                |
| 10,725.0              | 0.36            | 224.51      | 10,716.3              | -156.0       | -99.0        | -153.3                  | 0.48                    | -0.48                  | 1.72                  |
| 10,750.0              | 0.43            | 220.58      | 10,741.3              | -156.1       | -99.1        | -153.5                  | 0.30                    | 0.28                   | -15.72                |
| 10,775.0              | 0.37            | 217.55      | 10,766.3              | -156.2       | -99.2        | -153.6                  | 0.25                    | -0.24                  | -12.12                |
| 10,800.0              | 0.37            | 208.92      | 10,791.3              | -156.4       | -99.3        | -153.7                  | 0.22                    | 0.00                   | -34.52                |
| 10,825.0              | 0.34            | 214.34      | 10,816.3              | -156.5       | -99.4        | -153.9                  | 0.18                    | -0.12                  | 21.68                 |
| 10,850.0              | 0.42            | 221.69      | 10,841.3              | -156.6       | -99.5        | -154.0                  | 0.37                    | 0.32                   | 29.40                 |
| 10,875.0              | 0.35            | 209.91      | 10,866.3              | -156.8       | -99.6        | -154.1                  | 0.42                    | -0.28                  | -47.12                |
| 10,900.0              | 0.42            | 210.40      | 10,891.3              | -156.9       | -99.6        | -154.3                  | 0.28                    | 0.28                   | 1.96                  |
| 10,925.0              | 0.42            | 208.78      | 10,916.3              | -157.1       | -99.7        | -154.4                  | 0.05                    | 0.00                   | -6.48                 |
| 10,950.0              | 0.37            | 201.53      | 10,941.3              | -157.2       | -99.8        | -154.6                  | 0.28                    | -0.20                  | -29.00                |
| 10,975.0              | 0.36            | 202.30      | 10,966.3              | -157.4       | -99.9        | -154.7                  | 0.04                    | -0.04                  | 3.08                  |
| 11,000.0              | 0.43            | 204.33      | 10,991.3              | -157.5       | -99.9        | -154.9                  | 0.29                    | 0.28                   | 8.12                  |
| 11,025.0              | 0.42            | 200.73      | 11,016.3              | -157.7       | -100.0       | -155.0                  | 0.11                    | -0.04                  | -14.40                |
| 11,050.0              | 0.41            | 216.74      | 11,041.3              | -157.9       | -100.1       | -155.2                  | 0.46                    | -0.04                  | 64.04                 |
| 11,075.0              | 0.45            | 221.07      | 11,066.3              | -158.0       | -100.2       | -155.3                  | 0.21                    | 0.16                   | 17.32                 |
| 11,100.0              | 0.56            | 256.55      | 11,091.3              | -158.1       | -100.4       | -155.4                  | 1.30                    | 0.44                   | 141.92                |
| 11,125.0              | 0.62            | 263.47      | 11,116.3              | -158.1       | -100.6       | -155.5                  | 0.37                    | 0.24                   | 27.68                 |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                                           |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                            | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,150.0                                         | 0.63            | 262.46      | 11,141.3              | -158.2       | -100.9       | -155.5                  | 0.06                    | 0.04                   | -4.04                 |
| 11,175.0                                         | 0.67            | 260.36      | 11,166.3              | -158.2       | -101.2       | -155.5                  | 0.19                    | 0.16                   | -8.40                 |
| 11,200.0                                         | 0.74            | 262.87      | 11,191.3              | -158.3       | -101.5       | -155.6                  | 0.31                    | 0.28                   | 10.04                 |
| 11,225.0                                         | 0.74            | 263.56      | 11,216.3              | -158.3       | -101.8       | -155.6                  | 0.04                    | 0.00                   | 2.76                  |
| 11,250.0                                         | 0.75            | 261.28      | 11,241.3              | -158.4       | -102.1       | -155.6                  | 0.13                    | 0.04                   | -9.12                 |
| 11,275.0                                         | 0.78            | 258.52      | 11,266.2              | -158.4       | -102.5       | -155.7                  | 0.19                    | 0.12                   | -11.04                |
| 11,300.0                                         | 0.78            | 255.14      | 11,291.2              | -158.5       | -102.8       | -155.8                  | 0.18                    | 0.00                   | -13.52                |
| 11,325.0                                         | 0.72            | 238.52      | 11,316.2              | -158.6       | -103.1       | -155.9                  | 0.90                    | -0.24                  | -66.48                |
| 11,350.0                                         | 0.67            | 234.64      | 11,341.2              | -158.8       | -103.4       | -156.0                  | 0.27                    | -0.20                  | -15.52                |
| 11,375.0                                         | 0.66            | 228.73      | 11,366.2              | -159.0       | -103.6       | -156.2                  | 0.28                    | -0.04                  | -23.64                |
| 11,400.0                                         | 0.69            | 225.20      | 11,391.2              | -159.2       | -103.8       | -156.4                  | 0.21                    | 0.12                   | -14.12                |
| 11,425.0                                         | 0.66            | 217.83      | 11,416.2              | -159.4       | -104.0       | -156.6                  | 0.37                    | -0.12                  | -29.48                |
| 11,450.0                                         | 0.51            | 211.51      | 11,441.2              | -159.6       | -104.1       | -156.8                  | 0.65                    | -0.60                  | -25.28                |
| 11,475.0                                         | 0.31            | 142.28      | 11,466.2              | -159.7       | -104.2       | -157.0                  | 1.98                    | -0.80                  | -276.92               |
| 11,500.0                                         | 0.78            | 87.35       | 11,491.2              | -159.8       | -103.9       | -157.0                  | 2.61                    | 1.88                   | -219.72               |
| 11,525.0                                         | 1.02            | 85.51       | 11,516.2              | -159.8       | -103.6       | -157.0                  | 0.97                    | 0.96                   | -7.36                 |
| 11,550.0                                         | 1.04            | 85.39       | 11,541.2              | -159.7       | -103.1       | -157.0                  | 0.08                    | 0.08                   | -0.48                 |
| 11,575.0                                         | 0.89            | 89.02       | 11,566.2              | -159.7       | -102.7       | -157.0                  | 0.65                    | -0.60                  | 14.52                 |
| 11,600.0                                         | 0.49            | 71.95       | 11,591.2              | -159.7       | -102.4       | -156.9                  | 1.78                    | -1.60                  | -68.28                |
| 11,625.0                                         | 0.30            | 71.08       | 11,616.2              | -159.6       | -102.2       | -156.9                  | 0.76                    | -0.76                  | -3.48                 |
| 11,650.0                                         | 0.29            | 351.96      | 11,641.2              | -159.5       | -102.2       | -156.8                  | 1.50                    | -0.04                  | -316.48               |
| 11,675.0                                         | 0.42            | 312.82      | 11,666.2              | -159.4       | -102.2       | -156.7                  | 1.07                    | 0.52                   | -156.56               |
| 11,688.0                                         | 0.45            | 303.66      | 11,679.2              | -159.3       | -102.3       | -156.6                  | 0.58                    | 0.23                   | -70.46                |
| 11,892.0                                         | 0.50            | 220.05      | 11,883.2              | -159.6       | -103.6       | -156.8                  | 0.31                    | 0.02                   | -40.99                |
| 11,940.0                                         | 0.51            | 248.04      | 11,931.2              | -159.8       | -103.9       | -157.1                  | 0.51                    | 0.02                   | 58.31                 |
| 11,971.0                                         | 0.60            | 259.16      | 11,962.2              | -159.9       | -104.2       | -157.1                  | 0.45                    | 0.29                   | 35.87                 |
| 12,001.0                                         | 2.37            | 345.01      | 11,992.2              | -159.3       | -104.5       | -156.6                  | 8.01                    | 5.90                   | 286.17                |
| 12,048.0                                         | 10.84           | 359.43      | 12,038.8              | -154.0       | -104.8       | -151.2                  | 18.22                   | 18.02                  | 30.68                 |
| 12,095.0                                         | 20.40           | 3.06        | 12,084.1              | -141.3       | -104.4       | -138.6                  | 20.44                   | 20.34                  | 7.72                  |
| 12,142.0                                         | 27.37           | 7.84        | 12,127.0              | -122.4       | -102.5       | -119.7                  | 15.38                   | 14.83                  | 10.17                 |
| 12,190.0                                         | 32.20           | 9.35        | 12,168.7              | -98.9        | -98.9        | -96.3                   | 10.18                   | 10.06                  | 3.15                  |
| 12,237.0                                         | 34.41           | 6.41        | 12,207.9              | -73.3        | -95.4        | -70.8                   | 5.82                    | 4.70                   | -6.26                 |
| 12,286.0                                         | 37.72           | 355.98      | 12,247.6              | -44.6        | -94.9        | -42.1                   | 14.22                   | 6.76                   | -21.29                |
| 12,333.0                                         | 40.58           | 355.56      | 12,284.0              | -15.0        | -97.1        | -12.4                   | 6.11                    | 6.09                   | -0.89                 |
| 12,381.0                                         | 42.88           | 356.84      | 12,319.8              | 16.9         | -99.2        | 19.5                    | 5.11                    | 4.79                   | 2.67                  |
| 12,428.0                                         | 43.60           | 358.36      | 12,354.1              | 49.1         | -100.5       | 51.7                    | 2.69                    | 1.53                   | 3.23                  |
| <b>FTP @ 12428.0'MD, 330'FSL &amp; 68.7' FEL</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,476.0                                         | 44.54           | 358.93      | 12,388.6              | 82.5         | -101.3       | 85.1                    | 2.13                    | 1.96                   | 1.19                  |
| 12,523.0                                         | 45.69           | 359.39      | 12,421.7              | 115.7        | -101.8       | 118.4                   | 2.54                    | 2.45                   | 0.98                  |
| 12,570.0                                         | 51.20           | 359.62      | 12,452.9              | 150.9        | -102.1       | 153.5                   | 11.73                   | 11.72                  | 0.49                  |
| 12,617.0                                         | 57.62           | 359.72      | 12,480.2              | 189.1        | -102.3       | 191.7                   | 13.66                   | 13.66                  | 0.21                  |
| 12,664.0                                         | 65.81           | 1.92        | 12,502.5              | 230.4        | -101.7       | 233.0                   | 17.90                   | 17.43                  | 4.68                  |
| 12,711.0                                         | 71.45           | 0.79        | 12,519.6              | 274.2        | -100.7       | 276.7                   | 12.21                   | 12.00                  | -2.40                 |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 12,759.0              | 77.70           | 1.14        | 12,532.4              | 320.4        | -99.9        | 322.9                   | 13.04                   | 13.02                  | 0.73                  |
| 12,806.0              | 83.13           | 1.42        | 12,540.2              | 366.7        | -98.9        | 369.2                   | 11.57                   | 11.55                  | 0.60                  |
| 12,854.0              | 85.36           | 3.59        | 12,545.0              | 414.5        | -96.8        | 416.8                   | 6.47                    | 4.65                   | 4.52                  |
| 12,880.0              | 87.90           | 4.54        | 12,546.5              | 440.3        | -94.9        | 442.7                   | 10.43                   | 9.77                   | 3.65                  |
| 12,975.0              | 90.13           | 0.73        | 12,548.2              | 535.2        | -90.6        | 537.4                   | 4.65                    | 2.35                   | -4.01                 |
| 13,070.0              | 90.77           | 359.93      | 12,547.4              | 630.2        | -90.0        | 632.3                   | 1.08                    | 0.67                   | -0.84                 |
| 13,165.0              | 90.54           | 357.18      | 12,546.3              | 725.1        | -92.4        | 727.3                   | 2.90                    | -0.24                  | -2.89                 |
| 13,260.0              | 89.70           | 356.08      | 12,546.1              | 820.0        | -98.0        | 822.3                   | 1.46                    | -0.88                  | -1.16                 |
| 13,354.0              | 91.26           | 358.77      | 12,545.4              | 913.9        | -102.2       | 916.2                   | 3.31                    | 1.66                   | 2.86                  |
| 13,450.0              | 90.63           | 358.57      | 12,543.8              | 1,009.8      | -104.5       | 1,012.2                 | 0.69                    | -0.66                  | -0.21                 |
| 13,544.0              | 88.43           | 358.39      | 12,544.5              | 1,103.8      | -106.9       | 1,106.2                 | 2.35                    | -2.34                  | -0.19                 |
| 13,640.0              | 88.54           | 1.37        | 12,547.1              | 1,199.7      | -107.1       | 1,202.1                 | 3.11                    | 0.11                   | 3.10                  |
| 13,734.0              | 89.76           | 1.98        | 12,548.5              | 1,293.7      | -104.4       | 1,296.0                 | 1.45                    | 1.30                   | 0.65                  |
| 13,829.0              | 90.51           | 0.42        | 12,548.3              | 1,388.7      | -102.4       | 1,390.9                 | 1.82                    | 0.79                   | -1.64                 |
| 13,924.0              | 88.15           | 358.43      | 12,549.4              | 1,483.6      | -103.4       | 1,485.8                 | 3.25                    | -2.48                  | -2.09                 |
| 14,019.0              | 89.76           | 359.69      | 12,551.1              | 1,578.6      | -104.9       | 1,580.8                 | 2.15                    | 1.69                   | 1.33                  |
| 14,114.0              | 89.99           | 357.32      | 12,551.3              | 1,673.6      | -107.4       | 1,675.8                 | 2.51                    | 0.24                   | -2.49                 |
| 14,209.0              | 91.57           | 358.65      | 12,550.0              | 1,768.5      | -110.7       | 1,770.8                 | 2.17                    | 1.66                   | 1.40                  |
| 14,302.0              | 90.42           | 359.63      | 12,548.4              | 1,861.5      | -112.1       | 1,863.8                 | 1.62                    | -1.24                  | 1.05                  |
| 14,397.0              | 89.87           | 358.78      | 12,548.2              | 1,956.5      | -113.5       | 1,958.8                 | 1.07                    | -0.58                  | -0.89                 |
| 14,492.0              | 91.11           | 0.71        | 12,547.3              | 2,051.5      | -113.9       | 2,053.7                 | 2.41                    | 1.31                   | 2.03                  |
| 14,588.0              | 92.16           | 0.87        | 12,544.6              | 2,147.4      | -112.6       | 2,149.6                 | 1.11                    | 1.09                   | 0.17                  |
| 14,683.0              | 90.68           | 359.05      | 12,542.3              | 2,242.4      | -112.6       | 2,244.5                 | 2.47                    | -1.56                  | -1.92                 |
| 14,778.0              | 90.59           | 0.66        | 12,541.2              | 2,337.4      | -112.9       | 2,339.5                 | 1.70                    | -0.09                  | 1.69                  |
| 14,873.0              | 90.94           | 0.96        | 12,539.9              | 2,432.3      | -111.5       | 2,434.4                 | 0.49                    | 0.37                   | 0.32                  |
| 14,968.0              | 88.61           | 0.45        | 12,540.3              | 2,527.3      | -110.3       | 2,529.3                 | 2.51                    | -2.45                  | -0.54                 |
| 15,062.0              | 93.37           | 0.51        | 12,538.7              | 2,621.3      | -109.6       | 2,623.2                 | 5.06                    | 5.06                   | 0.06                  |
| 15,157.0              | 93.36           | 358.88      | 12,533.1              | 2,716.1      | -110.1       | 2,718.1                 | 1.71                    | -0.01                  | -1.72                 |
| 15,252.0              | 93.27           | 357.93      | 12,527.6              | 2,810.9      | -112.7       | 2,812.9                 | 1.00                    | -0.09                  | -1.00                 |
| 15,346.0              | 93.64           | 356.17      | 12,521.9              | 2,904.6      | -117.5       | 2,906.7                 | 1.91                    | 0.39                   | -1.87                 |
| 15,441.0              | 91.27           | 357.50      | 12,517.9              | 2,999.4      | -122.8       | 3,001.6                 | 2.86                    | -2.49                  | 1.40                  |
| 15,535.0              | 89.22           | 358.87      | 12,517.5              | 3,093.3      | -125.7       | 3,095.5                 | 2.62                    | -2.18                  | 1.46                  |
| 15,630.0              | 87.28           | 0.31        | 12,520.4              | 3,188.3      | -126.4       | 3,190.5                 | 2.54                    | -2.04                  | 1.52                  |
| 15,724.0              | 87.91           | 358.55      | 12,524.3              | 3,282.2      | -127.4       | 3,284.4                 | 1.99                    | 0.67                   | -1.87                 |
| 15,818.0              | 89.36           | 0.57        | 12,526.6              | 3,376.1      | -128.1       | 3,378.3                 | 2.64                    | 1.54                   | 2.15                  |
| 15,914.0              | 89.90           | 0.32        | 12,527.2              | 3,472.1      | -127.3       | 3,474.3                 | 0.62                    | 0.56                   | -0.26                 |
| 16,008.0              | 90.12           | 359.29      | 12,527.2              | 3,566.1      | -127.7       | 3,568.2                 | 1.12                    | 0.23                   | -1.10                 |
| 16,104.0              | 86.98           | 359.68      | 12,529.6              | 3,662.1      | -128.5       | 3,664.2                 | 3.30                    | -3.27                  | 0.41                  |
| 16,199.0              | 87.69           | 1.11        | 12,534.0              | 3,757.0      | -127.9       | 3,759.0                 | 1.68                    | 0.75                   | 1.51                  |
| 16,294.0              | 90.17           | 2.34        | 12,535.8              | 3,851.9      | -125.0       | 3,853.9                 | 2.91                    | 2.61                   | 1.29                  |
| 16,389.0              | 90.68           | 1.89        | 12,535.1              | 3,946.8      | -121.5       | 3,948.7                 | 0.72                    | 0.54                   | -0.47                 |
| 16,484.0              | 90.82           | 2.04        | 12,533.8              | 4,041.8      | -118.2       | 4,043.5                 | 0.22                    | 0.15                   | 0.16                  |
| 16,578.0              | 87.15           | 359.15      | 12,535.5              | 4,135.7      | -117.3       | 4,137.4                 | 4.97                    | -3.90                  | -3.07                 |
| 16,673.0              | 86.60           | 358.37      | 12,540.7              | 4,230.6      | -119.3       | 4,232.2                 | 1.00                    | -0.58                  | -0.82                 |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Survey                                        |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
|-----------------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(usft)                   | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 16,767.0                                      | 94.31              | 359.78         | 12,539.9                    | 4,324.5         | -120.8          | 4,326.2                       | 8.34                          | 8.20                         | 1.50                        |  |
| 16,863.0                                      | 91.62              | 359.69         | 12,535.0                    | 4,420.3         | -121.3          | 4,422.0                       | 2.80                          | -2.80                        | -0.09                       |  |
| 16,958.0                                      | 89.92              | 357.73         | 12,533.7                    | 4,515.3         | -123.4          | 4,517.0                       | 2.73                          | -1.79                        | -2.06                       |  |
| 17,053.0                                      | 90.99              | 358.48         | 12,532.9                    | 4,610.2         | -126.6          | 4,612.0                       | 1.38                          | 1.13                         | 0.79                        |  |
| 17,107.8                                      | 91.68              | 357.72         | 12,531.7                    | 4,665.0         | -128.4          | 4,666.8                       | 1.86                          | 1.25                         | -1.38                       |  |
| LTP @ 17107.8'MD, 330'FNL & 64.6'FEL          |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 17,148.0                                      | 92.18              | 357.17         | 12,530.3                    | 4,705.1         | -130.2          | 4,706.9                       | 1.86                          | 1.25                         | -1.38                       |  |
| 17,176.0                                      | 91.29              | 356.34         | 12,529.5                    | 4,733.1         | -131.7          | 4,734.9                       | 4.35                          | -3.18                        | -2.96                       |  |
| LAST SVY                                      |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 17,238.0                                      | 91.29              | 356.34         | 12,528.1                    | 4,794.9         | -135.7          | 4,796.8                       | 0.00                          | 0.00                         | 0.00                        |  |
| Projection to TD @ 17238'MD, 200'FNL & 67'FEL |                    |                |                             |                 |                 |                               |                               |                              |                             |  |

| Design Targets                                                                                         |               |              |            |              |              |                 |                |                    |                   |  |
|--------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|--------------------|-------------------|--|
| Target Name                                                                                            | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude Longitude |                   |  |
| - hit/miss target                                                                                      |               |              |            |              |              |                 |                |                    |                   |  |
| - Shape                                                                                                |               |              |            |              |              |                 |                |                    |                   |  |
| PBHL (Dominator 25 I                                                                                   | -0.69         | 359.58       | 12,532.0   | 4,795.0      | -125.0       | 403,992.00      | 751,368.70     | 32° 6' 29.117 N    | 103° 31' 17.439 W |  |
| - actual wellpath misses target center by 11.4usft at 17237.3usft MD (12528.1 TVD, 4794.2 N, -135.7 E) |               |              |            |              |              |                 |                |                    |                   |  |
| - Rectangle (sides W60.0 H496.8 D30.0)                                                                 |               |              |            |              |              |                 |                |                    |                   |  |
| LTP (Dominator 25 Fe                                                                                   | 0.00          | 0.00         | 12,533.6   | 4,665.1      | -124.1       | 403,862.10      | 751,369.60     | 32° 6' 27.832 N    | 103° 31' 17.440 W |  |
| - actual wellpath misses target center by 4.7usft at 17107.7usft MD (12531.7 TVD, 4664.9 N, -128.4 E)  |               |              |            |              |              |                 |                |                    |                   |  |
| - Point                                                                                                |               |              |            |              |              |                 |                |                    |                   |  |
| FTP (Dominator 25 Fe                                                                                   | 0.00          | 0.00         | 12,535.0   | 49.1         | -90.3        | 399,246.11      | 751,403.43     | 32° 5' 42.151 N    | 103° 31' 17.450 W |  |
| - actual wellpath misses target center by 128.9usft at 12548.2usft MD (12438.9 TVD, 134.2 N, -102.0 E) |               |              |            |              |              |                 |                |                    |                   |  |
| - Point                                                                                                |               |              |            |              |              |                 |                |                    |                   |  |
| 4300'VS (Dominator 2                                                                                   | -0.62         | 359.58       | 12,538.0   | 4,298.3      | -121.4       | 403,495.30      | 751,372.33     | 32° 6' 24.202 N    | 103° 31' 17.440 W |  |
| - actual wellpath misses target center by 3.5usft at 16740.8usft MD (12541.4 TVD, 4298.4 N, -120.6 E)  |               |              |            |              |              |                 |                |                    |                   |  |
| - Rectangle (sides W60.0 H500.2 D30.0)                                                                 |               |              |            |              |              |                 |                |                    |                   |  |
| 3800'VS (Dominator 2                                                                                   | 2.18          | 359.58       | 12,540.0   | 3,798.2      | -117.7       | 402,995.20      | 751,375.99     | 32° 6' 19.253 N    | 103° 31' 17.441 W |  |
| - actual wellpath misses target center by 10.3usft at 16240.6usft MD (12535.3 TVD, 3798.6 N, -126.9 E) |               |              |            |              |              |                 |                |                    |                   |  |
| - Rectangle (sides W60.0 H894.8 D30.0)                                                                 |               |              |            |              |              |                 |                |                    |                   |  |

|                  |                                  |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Concho Resources, Inc.           | <b>Local Co-ordinate Reference:</b> | Well Dominator 25 Federal Com #603H |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME)      | <b>TVD Reference:</b>               | KB @ 3360.8usft (Latshaw 44)        |
| <b>Site:</b>     | (Dominator) Sec-25_T-25-S_R-33-E | <b>MD Reference:</b>                | KB @ 3360.8usft (Latshaw 44)        |
| <b>Well:</b>     | Dominator 25 Federal Com #603H   | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db          |

| Formations            |                       |                     |           |         |                   |  |
|-----------------------|-----------------------|---------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,161.1               | 1,161.0               | Rustler             |           |         |                   |  |
| 1,562.3               | 1,562.0               | TOS                 |           |         |                   |  |
| 5,129.6               | 5,122.0               | BOS (Fletcher)      |           |         |                   |  |
| 5,247.6               | 5,240.0               | LMAR (Top Delaware) |           |         |                   |  |
| 5,289.7               | 5,282.0               | BLCN                |           |         |                   |  |
| 6,289.0               | 6,281.0               | CYCN                |           |         |                   |  |
| 7,869.4               | 7,861.0               | BYCN                |           |         |                   |  |
| 9,335.6               | 9,327.0               | Bone Sprg (BSGL)    |           |         |                   |  |
| 9,409.6               | 9,401.0               | U Avalon Sh         |           |         |                   |  |
| 10,020.7              | 10,012.0              | L Avalon Sh         |           |         |                   |  |
| 10,170.7              | 10,162.0              | B Avalon Sh         |           |         |                   |  |
| 10,367.7              | 10,359.0              | FBSG_sand           |           |         |                   |  |
| 10,885.7              | 10,877.0              | SBSG_sand           |           |         |                   |  |
| 11,405.8              | 11,397.0              | SBSG_sand_Base      |           |         |                   |  |
| 12,009.8              | 12,001.0              | TBSG_sand           |           |         |                   |  |
| 12,478.0              | 12,390.0              | WFMP                |           |         |                   |  |

| Design Annotations    |                       |                   |              |                                               |  |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                               |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                                       |  |
| 12,428.0              | 12,354.1              | 49.1              | -100.5       | FTP @ 12428.0'MD, 330'FSL & 68.7' FEL         |  |
| 17,107.8              | 12,531.7              | 4,665.0           | -128.4       | LTP @ 17107.8'MD, 330'FNL & 64.6'FEL          |  |
| 17,176.0              | 12,529.5              | 4,733.1           | -131.7       | LAST SVY                                      |  |
| 17,238.0              | 12,528.1              | 4,794.9           | -135.7       | Projection to TD @ 17238'MD, 200'FNL & 67'FEL |  |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_