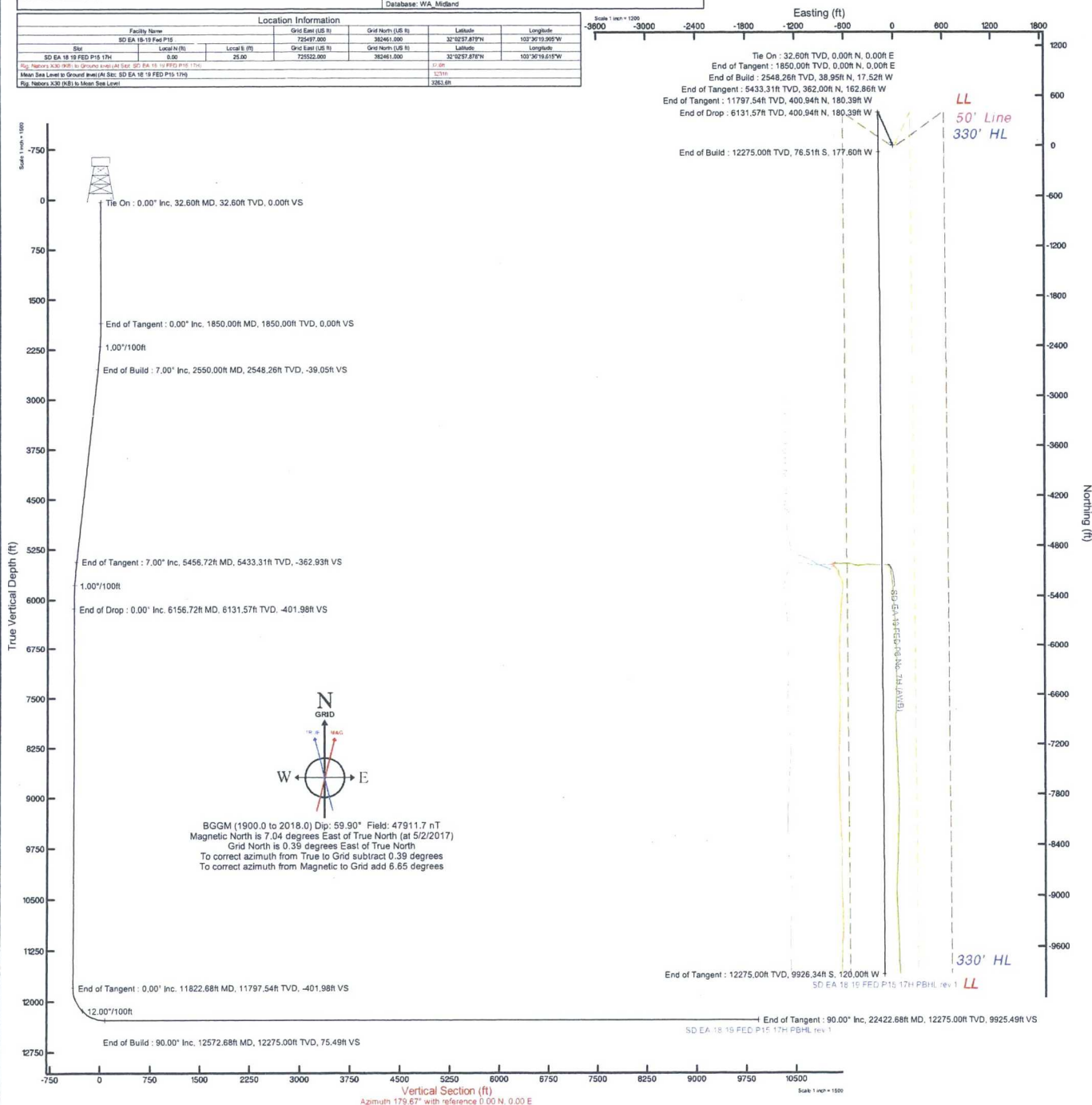






# Planned Wellpath Report

SD EA 18 19 FED P15 17H Rev A.0

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## REPORT SETUP INFORMATION

|                     |                                                        |                      |                                                |
|---------------------|--------------------------------------------------------|----------------------|------------------------------------------------|
| Projection System   | NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet | Software System      | WellArchitect® 5.0                             |
| North Reference     | Grid                                                   | User                 | Tranlam                                        |
| Scale               | 0.999967                                               | Report Generated     | 5/3/2017 at 1:17:43 PM                         |
| Convergence at slot | 0.39° East                                             | Database/Source file | WA_Midland/SD_EA_18_19_FED_P15_17H_Rev_A.0.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude       |
| Slot Location         | 0.00              | 25.00    | 725522.00        | 382461.00       | 32°02'57.878"N         | 103°36'19.615"W |
| Facility Reference Pt |                   |          | 725497.00        | 382461.00       | 32°02'57.879"N         | 103°36'19.905"W |
| Field Reference Pt    |                   |          | 152400.30        | 0.00            | 30°59'42.846"N         | 105°26'33.659"W |

## WELLPATH DATUM

|                          |                      |                                                                        |                   |
|--------------------------|----------------------|------------------------------------------------------------------------|-------------------|
| Calculation method       | Minimum curvature    | Rig: Nabors X30 (KB) to Facility Vertical Datum                        | 3263.60ft         |
| Horizontal Reference Pt  | Slot                 | Rig: Nabors X30 (KB) to Mean Sea Level                                 | 3263.60ft         |
| Vertical Reference Pt    | Rig: Nabors X30 (KB) | Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 18 19 FED P15 17H) | 32.60ft           |
| MD Reference Pt          | Rig: Nabors X30 (KB) | Section Origin                                                         | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level       | Section Azimuth                                                        | 179.67°           |



# Planned Wellpath Report

SD EA 18 19 FED P15 17H Rev A.0

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments       |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------------|
| 0.00†      | 0.000              | 335.777        | 0.00        | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 32.60      | 0.000              | 335.777        | 32.60       | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   | Tie On         |
| 132.60†    | 0.000              | 335.777        | 132.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 232.60†    | 0.000              | 335.777        | 232.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 332.60†    | 0.000              | 335.777        | 332.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 432.60†    | 0.000              | 335.777        | 432.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 532.60†    | 0.000              | 335.777        | 532.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 632.60†    | 0.000              | 335.777        | 632.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 732.60†    | 0.000              | 335.777        | 732.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 832.60†    | 0.000              | 335.777        | 832.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 932.60†    | 0.000              | 335.777        | 932.60      | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1032.60†   | 0.000              | 335.777        | 1032.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1132.60†   | 0.000              | 335.777        | 1132.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1232.60†   | 0.000              | 335.777        | 1232.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1332.60†   | 0.000              | 335.777        | 1332.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1432.60†   | 0.000              | 335.777        | 1432.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1532.60†   | 0.000              | 335.777        | 1532.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1632.60†   | 0.000              | 335.777        | 1632.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1732.60†   | 0.000              | 335.777        | 1732.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1832.60†   | 0.000              | 335.777        | 1832.60     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   |                |
| 1850.00    | 0.000              | 335.777        | 1850.00     | 0.00              | 0.00          | 0.00         | 725522.00            | 382461.00             | 32°02'57.878"N | 103°36'19.615"W | 0.00             | 0.00                    | 0.00                   | End of Tangent |
| 1932.60†   | 0.826              | 335.777        | 1932.60     | -0.54             | 0.54          | -0.24        | 725521.76            | 382461.54             | 32°02'57.883"N | 103°36'19.618"W | 1.00             | 1.00                    | -29.33                 |                |
| 2032.60†   | 1.826              | 335.777        | 2032.57     | -2.66             | 2.65          | -1.19        | 725520.81            | 382463.65             | 32°02'57.904"N | 103°36'19.628"W | 1.00             | 1.00                    | 0.00                   |                |
| 2132.60†   | 2.826              | 335.777        | 2132.49     | -6.37             | 6.35          | -2.86        | 725519.14            | 382467.35             | 32°02'57.941"N | 103°36'19.647"W | 1.00             | 1.00                    | 0.00                   |                |
| 2232.60†   | 3.826              | 335.777        | 2232.32     | -11.68            | 11.65         | -5.24        | 725516.76            | 382472.64             | 32°02'57.993"N | 103°36'19.675"W | 1.00             | 1.00                    | 0.00                   |                |
| 2332.60†   | 4.826              | 335.777        | 2332.03     | -18.57            | 18.52         | -8.33        | 725513.67            | 382479.52             | 32°02'58.062"N | 103°36'19.710"W | 1.00             | 1.00                    | 0.00                   |                |
| 2432.60†   | 5.826              | 335.777        | 2431.60     | -27.06            | 26.99         | -12.14       | 725509.86            | 382487.99             | 32°02'58.146"N | 103°36'19.754"W | 1.00             | 1.00                    | 0.00                   |                |
| 2532.60†   | 6.826              | 335.777        | 2530.99     | -37.13            | 37.04         | -16.66       | 725505.34            | 382498.04             | 32°02'58.245"N | 103°36'19.805"W | 1.00             | 1.00                    | 0.00                   |                |
| 2550.00    | 7.000              | 335.777        | 2548.26     | -39.05            | 38.95         | -17.52       | 725504.48            | 382499.95             | 32°02'58.264"N | 103°36'19.815"W | 1.00             | 1.00                    | 0.00                   | End of Build   |
| 2632.60†   | 7.000              | 335.777        | 2630.24     | -48.25            | 48.13         | -21.65       | 725500.35            | 382509.13             | 32°02'58.355"N | 103°36'19.863"W | 0.00             | 0.00                    | 0.00                   |                |



# Planned Wellpath Report

SD EA 18 19 FED P15 17H Rev A.0

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments       |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------------|
| 2732.60†   | 7.000              | 335.777        | 2729.50     | -59.39            | 59.24         | -26.65       | 725495.35            | 382520.24             | 32°02'58.466"N | 103°36'19.920"W | 0.00             | 0.00                    | 0.00                   |                |
| 2832.60†   | 7.000              | 335.777        | 2828.75     | -70.54            | 70.36         | -31.65       | 725490.35            | 382531.35             | 32°02'58.576"N | 103°36'19.977"W | 0.00             | 0.00                    | 0.00                   |                |
| 2932.60†   | 7.000              | 335.777        | 2928.01     | -81.68            | 81.47         | -36.65       | 725485.35            | 382542.47             | 32°02'58.686"N | 103°36'20.034"W | 0.00             | 0.00                    | 0.00                   |                |
| 3032.60†   | 7.000              | 335.777        | 3027.26     | -92.82            | 92.58         | -41.65       | 725480.35            | 382553.58             | 32°02'58.797"N | 103°36'20.091"W | 0.00             | 0.00                    | 0.00                   |                |
| 3132.60†   | 7.000              | 335.777        | 3126.52     | -103.96           | 103.70        | -46.65       | 725475.35            | 382564.69             | 32°02'58.907"N | 103°36'20.149"W | 0.00             | 0.00                    | 0.00                   |                |
| 3232.60†   | 7.000              | 335.777        | 3225.77     | -115.11           | 114.81        | -51.65       | 725470.35            | 382575.81             | 32°02'59.017"N | 103°36'20.206"W | 0.00             | 0.00                    | 0.00                   |                |
| 3332.60†   | 7.000              | 335.777        | 3325.03     | -126.25           | 125.92        | -56.65       | 725465.35            | 382586.92             | 32°02'59.128"N | 103°36'20.263"W | 0.00             | 0.00                    | 0.00                   |                |
| 3432.60†   | 7.000              | 335.777        | 3424.28     | -137.39           | 137.04        | -61.65       | 725460.35            | 382598.03             | 32°02'59.238"N | 103°36'20.320"W | 0.00             | 0.00                    | 0.00                   |                |
| 3532.60†   | 7.000              | 335.777        | 3523.54     | -148.53           | 148.15        | -66.65       | 725455.35            | 382609.15             | 32°02'59.348"N | 103°36'20.378"W | 0.00             | 0.00                    | 0.00                   |                |
| 3632.60†   | 7.000              | 335.777        | 3622.79     | -159.68           | 159.27        | -71.65       | 725450.35            | 382620.26             | 32°02'59.458"N | 103°36'20.435"W | 0.00             | 0.00                    | 0.00                   |                |
| 3732.60†   | 7.000              | 335.777        | 3722.04     | -170.82           | 170.38        | -76.66       | 725445.35            | 382631.37             | 32°02'59.569"N | 103°36'20.492"W | 0.00             | 0.00                    | 0.00                   |                |
| 3832.60†   | 7.000              | 335.777        | 3821.30     | -181.96           | 181.49        | -81.66       | 725440.35            | 382642.49             | 32°02'59.679"N | 103°36'20.549"W | 0.00             | 0.00                    | 0.00                   |                |
| 3932.60†   | 7.000              | 335.777        | 3920.55     | -193.10           | 192.61        | -86.66       | 725435.35            | 382653.60             | 32°02'59.789"N | 103°36'20.606"W | 0.00             | 0.00                    | 0.00                   |                |
| 4032.60†   | 7.000              | 335.777        | 4019.81     | -204.25           | 203.72        | -91.66       | 725430.35            | 382664.72             | 32°02'59.900"N | 103°36'20.664"W | 0.00             | 0.00                    | 0.00                   |                |
| 4132.60†   | 7.000              | 335.777        | 4119.06     | -215.39           | 214.84        | -96.66       | 725425.35            | 382675.83             | 32°03'00.010"N | 103°36'20.721"W | 0.00             | 0.00                    | 0.00                   |                |
| 4232.60†   | 7.000              | 335.777        | 4218.32     | -226.53           | 225.95        | -101.66      | 725420.35            | 382686.94             | 32°03'00.120"N | 103°36'20.778"W | 0.00             | 0.00                    | 0.00                   |                |
| 4332.60†   | 7.000              | 335.777        | 4317.57     | -237.67           | 237.06        | -106.66      | 725415.35            | 382698.06             | 32°03'00.231"N | 103°36'20.835"W | 0.00             | 0.00                    | 0.00                   |                |
| 4432.60†   | 7.000              | 335.777        | 4416.83     | -248.82           | 248.18        | -111.66      | 725410.35            | 382709.17             | 32°03'00.341"N | 103°36'20.893"W | 0.00             | 0.00                    | 0.00                   |                |
| 4532.60†   | 7.000              | 335.777        | 4516.08     | -259.96           | 259.29        | -116.66      | 725405.35            | 382720.28             | 32°03'00.451"N | 103°36'20.950"W | 0.00             | 0.00                    | 0.00                   |                |
| 4632.60†   | 7.000              | 335.777        | 4615.34     | -271.10           | 270.41        | -121.66      | 725400.35            | 382731.40             | 32°03'00.562"N | 103°36'21.007"W | 0.00             | 0.00                    | 0.00                   |                |
| 4732.60†   | 7.000              | 335.777        | 4714.59     | -282.24           | 281.52        | -126.66      | 725395.35            | 382742.51             | 32°03'00.672"N | 103°36'21.064"W | 0.00             | 0.00                    | 0.00                   |                |
| 4832.60†   | 7.000              | 335.777        | 4813.85     | -293.39           | 292.63        | -131.66      | 725390.35            | 382753.62             | 32°03'00.782"N | 103°36'21.121"W | 0.00             | 0.00                    | 0.00                   |                |
| 4932.60†   | 7.000              | 335.777        | 4913.10     | -304.53           | 303.75        | -136.66      | 725385.35            | 382764.74             | 32°03'00.893"N | 103°36'21.179"W | 0.00             | 0.00                    | 0.00                   |                |
| 5032.60†   | 7.000              | 335.777        | 5012.35     | -315.67           | 314.86        | -141.66      | 725380.35            | 382775.85             | 32°03'01.003"N | 103°36'21.236"W | 0.00             | 0.00                    | 0.00                   |                |
| 5132.60†   | 7.000              | 335.777        | 5111.61     | -326.81           | 325.98        | -146.66      | 725375.35            | 382786.96             | 32°03'01.113"N | 103°36'21.293"W | 0.00             | 0.00                    | 0.00                   |                |
| 5232.60†   | 7.000              | 335.777        | 5210.86     | -337.96           | 337.09        | -151.66      | 725370.35            | 382798.08             | 32°03'01.223"N | 103°36'21.350"W | 0.00             | 0.00                    | 0.00                   |                |
| 5332.60†   | 7.000              | 335.777        | 5310.12     | -349.10           | 348.20        | -156.66      | 725365.35            | 382809.19             | 32°03'01.334"N | 103°36'21.408"W | 0.00             | 0.00                    | 0.00                   |                |
| 5432.60†   | 7.000              | 335.777        | 5409.37     | -360.24           | 359.32        | -161.66      | 725360.35            | 382820.30             | 32°03'01.444"N | 103°36'21.465"W | 0.00             | 0.00                    | 0.00                   |                |
| 5456.72    | 7.000              | 335.777        | 5433.31     | -362.93           | 362.00        | -162.86      | 725359.14            | 382822.98             | 32°03'01.471"N | 103°36'21.479"W | 0.00             | 0.00                    | 0.00                   | End of Tangent |
| 5532.60†   | 6.241              | 335.777        | 5508.69     | -370.93           | 369.98        | -166.45      | 725355.55            | 382830.96             | 32°03'01.550"N | 103°36'21.520"W | 1.00             | -1.00                   | 0.00                   |                |



# Planned Wellpath Report

SD EA 18 19 FED P15 17H Rev A.0

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments    |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|-------------|
| 5632.60†   | 5.241              | 335.777        | 5608.18     | -380.07           | 379.10        | -170.56      | 725351.45            | 382840.09             | 32°03'01.640"N | 103°36'21.567"W | 1.00             | -1.00                   | 0.00                   |             |
| 5732.60†   | 4.241              | 335.777        | 5707.84     | -387.63           | 386.64        | -173.95      | 725348.06            | 382847.62             | 32°03'01.715"N | 103°36'21.605"W | 1.00             | -1.00                   | 0.00                   |             |
| 5832.60†   | 3.241              | 335.777        | 5807.63     | -393.60           | 392.59        | -176.63      | 725345.38            | 382853.57             | 32°03'01.774"N | 103°36'21.636"W | 1.00             | -1.00                   | 0.00                   |             |
| 5932.60†   | 2.241              | 335.777        | 5907.51     | -397.97           | 396.95        | -178.59      | 725343.42            | 382857.93             | 32°03'01.818"N | 103°36'21.659"W | 1.00             | -1.00                   | 0.00                   |             |
| 6032.60†   | 1.241              | 335.777        | 6007.46     | -400.75           | 399.72        | -179.84      | 725342.17            | 382860.70             | 32°03'01.845"N | 103°36'21.673"W | 1.00             | -1.00                   | 0.00                   |             |
| 6132.60†   | 0.241              | 335.777        | 6107.45     | -401.93           | 400.90        | -180.37      | 725341.64            | 382861.88             | 32°03'01.857"N | 103°36'21.679"W | 1.00             | -1.00                   | 0.00                   |             |
| 6156.72    | 0.000              | 179.665        | 6131.57     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 1.00             | -1.00                   | 100.45                 | End of Drop |
| 6232.60†   | 0.000              | 179.665        | 6207.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6332.60†   | 0.000              | 179.665        | 6307.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6432.60†   | 0.000              | 179.665        | 6407.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6532.60†   | 0.000              | 179.665        | 6507.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6632.60†   | 0.000              | 179.665        | 6607.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6732.60†   | 0.000              | 179.665        | 6707.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6832.60†   | 0.000              | 179.665        | 6807.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 6932.60†   | 0.000              | 179.665        | 6907.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7032.60†   | 0.000              | 179.665        | 7007.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7132.60†   | 0.000              | 179.665        | 7107.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7232.60†   | 0.000              | 179.665        | 7207.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7332.60†   | 0.000              | 179.665        | 7307.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7432.60†   | 0.000              | 179.665        | 7407.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7532.60†   | 0.000              | 179.665        | 7507.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7632.60†   | 0.000              | 179.665        | 7607.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7732.60†   | 0.000              | 179.665        | 7707.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7832.60†   | 0.000              | 179.665        | 7807.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 7932.60†   | 0.000              | 179.665        | 7907.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 8032.60†   | 0.000              | 179.665        | 8007.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 8132.60†   | 0.000              | 179.665        | 8107.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 8232.60†   | 0.000              | 179.665        | 8207.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 8332.60†   | 0.000              | 179.665        | 8307.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |
| 8432.60†   | 0.000              | 179.665        | 8407.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |             |



# Planned Wellpath Report

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------|
| 8532.60†   | 0.000              | 179.665        | 8507.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 8632.60†   | 0.000              | 179.665        | 8607.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 8732.60†   | 0.000              | 179.665        | 8707.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 8832.60†   | 0.000              | 179.665        | 8807.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 8932.60†   | 0.000              | 179.665        | 8907.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9032.60†   | 0.000              | 179.665        | 9007.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9132.60†   | 0.000              | 179.665        | 9107.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9232.60†   | 0.000              | 179.665        | 9207.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9332.60†   | 0.000              | 179.665        | 9307.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9432.60†   | 0.000              | 179.665        | 9407.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9532.60†   | 0.000              | 179.665        | 9507.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9632.60†   | 0.000              | 179.665        | 9607.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9732.60†   | 0.000              | 179.665        | 9707.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9832.60†   | 0.000              | 179.665        | 9807.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 9932.60†   | 0.000              | 179.665        | 9907.45     | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10032.60†  | 0.000              | 179.665        | 10007.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10132.60†  | 0.000              | 179.665        | 10107.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10232.60†  | 0.000              | 179.665        | 10207.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10332.60†  | 0.000              | 179.665        | 10307.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10432.60†  | 0.000              | 179.665        | 10407.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10532.60†  | 0.000              | 179.665        | 10507.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10632.60†  | 0.000              | 179.665        | 10607.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10732.60†  | 0.000              | 179.665        | 10707.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10832.60†  | 0.000              | 179.665        | 10807.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 10932.60†  | 0.000              | 179.665        | 10907.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 11032.60†  | 0.000              | 179.665        | 11007.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 11132.60†  | 0.000              | 179.665        | 11107.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 11232.60†  | 0.000              | 179.665        | 11207.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 11332.60†  | 0.000              | 179.665        | 11307.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |
| 11432.60†  | 0.000              | 179.665        | 11407.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |          |



# Planned Wellpath Report

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments       |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------------|
| 11532.60†  | 0.000              | 179.665        | 11507.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |                |
| 11632.60†  | 0.000              | 179.665        | 11607.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |                |
| 11732.60†  | 0.000              | 179.665        | 11707.45    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   |                |
| 11822.68   | 0.000              | 179.665        | 11797.54    | -401.98           | 400.94        | -180.39      | 725341.62            | 382861.93             | 32°03'01.857"N | 103°36'21.679"W | 0.00             | 0.00                    | 0.00                   | End of Tangent |
| 11832.60†  | 1.190              | 179.665        | 11807.45    | -401.87           | 400.84        | -180.39      | 725341.62            | 382861.83             | 32°03'01.856"N | 103°36'21.679"W | 12.00            | 12.00                   | 1811.43                |                |
| 11932.60†  | 13.190             | 179.665        | 11906.49    | -389.38           | 388.35        | -180.31      | 725341.69            | 382849.33             | 32°03'01.733"N | 103°36'21.679"W | 12.00            | 12.00                   | 0.00                   |                |
| 12032.60†  | 25.190             | 179.665        | 12000.76    | -356.57           | 355.54        | -180.12      | 725341.88            | 382816.53             | 32°03'01.408"N | 103°36'21.680"W | 12.00            | 12.00                   | 0.00                   |                |
| 12132.60†  | 37.190             | 179.665        | 12086.14    | -304.88           | 303.85        | -179.82      | 725342.19            | 382764.84             | 32°03'00.896"N | 103°36'21.680"W | 12.00            | 12.00                   | 0.00                   |                |
| 12232.60†  | 49.190             | 179.665        | 12158.92    | -236.56           | 235.53        | -179.42      | 725342.59            | 382696.52             | 32°03'00.220"N | 103°36'21.681"W | 12.00            | 12.00                   | 0.00                   |                |
| 12332.60†  | 61.190             | 179.665        | 12215.90    | -154.60           | 153.58        | -178.94      | 725343.07            | 382614.57             | 32°02'59.409"N | 103°36'21.682"W | 12.00            | 12.00                   | 0.00                   |                |
| 12432.60†  | 73.190             | 179.665        | 12254.60    | -62.59            | 61.57         | -178.40      | 725343.60            | 382522.56             | 32°02'58.499"N | 103°36'21.683"W | 12.00            | 12.00                   | 0.00                   |                |
| 12532.60†  | 85.190             | 179.665        | 12273.32    | 35.45             | -36.48        | -177.83      | 725344.18            | 382424.52             | 32°02'57.529"N | 103°36'21.684"W | 12.00            | 12.00                   | 0.00                   |                |
| 12572.68   | 90.000             | 179.665        | 12275.00    | 75.49             | -76.51        | -177.60      | 725344.41            | 382384.49             | 32°02'57.132"N | 103°36'21.684"W | 12.00            | 12.00                   | 0.00                   | End of Build   |
| 12632.60†  | 90.000             | 179.665        | 12275.00    | 135.41            | -136.43       | -177.24      | 725344.76            | 382324.58             | 32°02'56.539"N | 103°36'21.685"W | 0.00             | 0.00                    | 0.00                   |                |
| 12732.60†  | 90.000             | 179.665        | 12275.00    | 235.41            | -236.43       | -176.66      | 725345.35            | 382224.58             | 32°02'55.550"N | 103°36'21.686"W | 0.00             | 0.00                    | 0.00                   |                |
| 12832.60†  | 90.000             | 179.665        | 12275.00    | 335.41            | -336.43       | -176.08      | 725345.93            | 382124.59             | 32°02'54.560"N | 103°36'21.687"W | 0.00             | 0.00                    | 0.00                   |                |
| 12932.60†  | 90.000             | 179.665        | 12275.00    | 435.41            | -436.42       | -175.49      | 725346.52            | 382024.59             | 32°02'53.571"N | 103°36'21.688"W | 0.00             | 0.00                    | 0.00                   |                |
| 13032.60†  | 90.000             | 179.665        | 12275.00    | 535.41            | -536.42       | -174.91      | 725347.10            | 381924.60             | 32°02'52.581"N | 103°36'21.689"W | 0.00             | 0.00                    | 0.00                   |                |
| 13132.60†  | 90.000             | 179.665        | 12275.00    | 635.41            | -636.42       | -174.32      | 725347.68            | 381824.60             | 32°02'51.592"N | 103°36'21.690"W | 0.00             | 0.00                    | 0.00                   |                |
| 13232.60†  | 90.000             | 179.665        | 12275.00    | 735.41            | -736.42       | -173.74      | 725348.27            | 381724.61             | 32°02'50.602"N | 103°36'21.691"W | 0.00             | 0.00                    | 0.00                   |                |
| 13332.60†  | 90.000             | 179.665        | 12275.00    | 835.41            | -836.42       | -173.15      | 725348.85            | 381624.61             | 32°02'49.612"N | 103°36'21.692"W | 0.00             | 0.00                    | 0.00                   |                |
| 13432.60†  | 90.000             | 179.665        | 12275.00    | 935.41            | -936.42       | -172.57      | 725349.44            | 381524.62             | 32°02'48.623"N | 103°36'21.693"W | 0.00             | 0.00                    | 0.00                   |                |
| 13532.60†  | 90.000             | 179.665        | 12275.00    | 1035.41           | -1036.41      | -171.98      | 725350.02            | 381424.62             | 32°02'47.633"N | 103°36'21.694"W | 0.00             | 0.00                    | 0.00                   |                |
| 13632.60†  | 90.000             | 179.665        | 12275.00    | 1135.41           | -1136.41      | -171.40      | 725350.61            | 381324.63             | 32°02'46.644"N | 103°36'21.695"W | 0.00             | 0.00                    | 0.00                   |                |
| 13732.60†  | 90.000             | 179.665        | 12275.00    | 1235.41           | -1236.41      | -170.81      | 725351.19            | 381224.63             | 32°02'45.654"N | 103°36'21.696"W | 0.00             | 0.00                    | 0.00                   |                |
| 13832.60†  | 90.000             | 179.665        | 12275.00    | 1335.41           | -1336.41      | -170.23      | 725351.78            | 381124.64             | 32°02'44.665"N | 103°36'21.697"W | 0.00             | 0.00                    | 0.00                   |                |
| 13932.60†  | 90.000             | 179.665        | 12275.00    | 1435.41           | -1436.41      | -169.64      | 725352.36            | 381024.64             | 32°02'43.675"N | 103°36'21.698"W | 0.00             | 0.00                    | 0.00                   |                |
| 14032.60†  | 90.000             | 179.665        | 12275.00    | 1535.41           | -1536.41      | -169.06      | 725352.95            | 380924.65             | 32°02'42.685"N | 103°36'21.699"W | 0.00             | 0.00                    | 0.00                   |                |
| 14132.60†  | 90.000             | 179.665        | 12275.00    | 1635.41           | -1636.40      | -168.47      | 725353.53            | 380824.65             | 32°02'41.696"N | 103°36'21.700"W | 0.00             | 0.00                    | 0.00                   |                |
| 14232.60†  | 90.000             | 179.665        | 12275.00    | 1735.41           | -1736.40      | -167.89      | 725354.12            | 380724.66             | 32°02'40.706"N | 103°36'21.701"W | 0.00             | 0.00                    | 0.00                   |                |



# Planned Wellpath Report

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------|
| 14332.60†  | 90.000             | 179.665        | 12275.00    | 1835.41           | -1836.40      | -167.31      | 725354.70            | 380624.66             | 32°02'39.717"N | 103°36'21.702"W | 0.00             | 0.00                    | 0.00                   |          |
| 14432.60†  | 90.000             | 179.665        | 12275.00    | 1935.41           | -1936.40      | -166.72      | 725355.29            | 380524.67             | 32°02'38.727"N | 103°36'21.703"W | 0.00             | 0.00                    | 0.00                   |          |
| 14532.60†  | 90.000             | 179.665        | 12275.00    | 2035.41           | -2036.40      | -166.14      | 725355.87            | 380424.67             | 32°02'37.738"N | 103°36'21.704"W | 0.00             | 0.00                    | 0.00                   |          |
| 14632.60†  | 90.000             | 179.665        | 12275.00    | 2135.41           | -2136.40      | -165.55      | 725356.45            | 380324.68             | 32°02'36.748"N | 103°36'21.705"W | 0.00             | 0.00                    | 0.00                   |          |
| 14732.60†  | 90.000             | 179.665        | 12275.00    | 2235.41           | -2236.39      | -164.97      | 725357.04            | 380224.68             | 32°02'35.758"N | 103°36'21.706"W | 0.00             | 0.00                    | 0.00                   |          |
| 14832.60†  | 90.000             | 179.665        | 12275.00    | 2335.41           | -2336.39      | -164.38      | 725357.62            | 380124.69             | 32°02'34.769"N | 103°36'21.707"W | 0.00             | 0.00                    | 0.00                   |          |
| 14932.60†  | 90.000             | 179.665        | 12275.00    | 2435.41           | -2436.39      | -163.80      | 725358.21            | 380024.69             | 32°02'33.779"N | 103°36'21.708"W | 0.00             | 0.00                    | 0.00                   |          |
| 15032.60†  | 90.000             | 179.665        | 12275.00    | 2535.41           | -2536.39      | -163.21      | 725358.79            | 379924.70             | 32°02'32.790"N | 103°36'21.709"W | 0.00             | 0.00                    | 0.00                   |          |
| 15132.60†  | 90.000             | 179.665        | 12275.00    | 2635.41           | -2636.39      | -162.63      | 725359.38            | 379824.70             | 32°02'31.800"N | 103°36'21.710"W | 0.00             | 0.00                    | 0.00                   |          |
| 15232.60†  | 90.000             | 179.665        | 12275.00    | 2735.41           | -2736.39      | -162.04      | 725359.96            | 379724.71             | 32°02'30.811"N | 103°36'21.712"W | 0.00             | 0.00                    | 0.00                   |          |
| 15332.60†  | 90.000             | 179.665        | 12275.00    | 2835.41           | -2836.38      | -161.46      | 725360.55            | 379624.71             | 32°02'29.821"N | 103°36'21.713"W | 0.00             | 0.00                    | 0.00                   |          |
| 15432.60†  | 90.000             | 179.665        | 12275.00    | 2935.41           | -2936.38      | -160.87      | 725361.13            | 379524.72             | 32°02'28.831"N | 103°36'21.714"W | 0.00             | 0.00                    | 0.00                   |          |
| 15532.60†  | 90.000             | 179.665        | 12275.00    | 3035.41           | -3036.38      | -160.29      | 725361.72            | 379424.73             | 32°02'27.842"N | 103°36'21.715"W | 0.00             | 0.00                    | 0.00                   |          |
| 15632.60†  | 90.000             | 179.665        | 12275.00    | 3135.41           | -3136.38      | -159.70      | 725362.30            | 379324.73             | 32°02'26.852"N | 103°36'21.716"W | 0.00             | 0.00                    | 0.00                   |          |
| 15732.60†  | 90.000             | 179.665        | 12275.00    | 3235.41           | -3236.38      | -159.12      | 725362.89            | 379224.74             | 32°02'25.863"N | 103°36'21.717"W | 0.00             | 0.00                    | 0.00                   |          |
| 15832.60†  | 90.000             | 179.665        | 12275.00    | 3335.41           | -3336.37      | -158.54      | 725363.47            | 379124.74             | 32°02'24.873"N | 103°36'21.718"W | 0.00             | 0.00                    | 0.00                   |          |
| 15932.60†  | 90.000             | 179.665        | 12275.00    | 3435.41           | -3436.37      | -157.95      | 725364.05            | 379024.75             | 32°02'23.884"N | 103°36'21.719"W | 0.00             | 0.00                    | 0.00                   |          |
| 16032.60†  | 90.000             | 179.665        | 12275.00    | 3535.41           | -3536.37      | -157.37      | 725364.64            | 378924.75             | 32°02'22.894"N | 103°36'21.720"W | 0.00             | 0.00                    | 0.00                   |          |
| 16132.60†  | 90.000             | 179.665        | 12275.00    | 3635.41           | -3636.37      | -156.78      | 725365.22            | 378824.76             | 32°02'21.904"N | 103°36'21.721"W | 0.00             | 0.00                    | 0.00                   |          |
| 16232.60†  | 90.000             | 179.665        | 12275.00    | 3735.41           | -3736.37      | -156.20      | 725365.81            | 378724.76             | 32°02'20.915"N | 103°36'21.722"W | 0.00             | 0.00                    | 0.00                   |          |
| 16332.60†  | 90.000             | 179.665        | 12275.00    | 3835.41           | -3836.37      | -155.61      | 725366.39            | 378624.77             | 32°02'19.925"N | 103°36'21.723"W | 0.00             | 0.00                    | 0.00                   |          |
| 16432.60†  | 90.000             | 179.665        | 12275.00    | 3935.41           | -3936.36      | -155.03      | 725366.98            | 378524.77             | 32°02'18.936"N | 103°36'21.724"W | 0.00             | 0.00                    | 0.00                   |          |
| 16532.60†  | 90.000             | 179.665        | 12275.00    | 4035.41           | -4036.36      | -154.44      | 725367.56            | 378424.78             | 32°02'17.946"N | 103°36'21.725"W | 0.00             | 0.00                    | 0.00                   |          |
| 16632.60†  | 90.000             | 179.665        | 12275.00    | 4135.41           | -4136.36      | -153.86      | 725368.15            | 378324.78             | 32°02'16.956"N | 103°36'21.726"W | 0.00             | 0.00                    | 0.00                   |          |
| 16732.60†  | 90.000             | 179.665        | 12275.00    | 4235.41           | -4236.36      | -153.27      | 725368.73            | 378224.79             | 32°02'15.967"N | 103°36'21.727"W | 0.00             | 0.00                    | 0.00                   |          |
| 16832.60†  | 90.000             | 179.665        | 12275.00    | 4335.41           | -4336.36      | -152.69      | 725369.32            | 378124.79             | 32°02'14.977"N | 103°36'21.728"W | 0.00             | 0.00                    | 0.00                   |          |
| 16932.60†  | 90.000             | 179.665        | 12275.00    | 4435.41           | -4436.36      | -152.10      | 725369.90            | 378024.80             | 32°02'13.988"N | 103°36'21.729"W | 0.00             | 0.00                    | 0.00                   |          |
| 17032.60†  | 90.000             | 179.665        | 12275.00    | 4535.41           | -4536.35      | -151.52      | 725370.49            | 377924.80             | 32°02'12.998"N | 103°36'21.730"W | 0.00             | 0.00                    | 0.00                   |          |
| 17132.60†  | 90.000             | 179.665        | 12275.00    | 4635.41           | -4636.35      | -150.93      | 725371.07            | 377824.81             | 32°02'12.009"N | 103°36'21.731"W | 0.00             | 0.00                    | 0.00                   |          |
| 17232.60†  | 90.000             | 179.665        | 12275.00    | 4735.41           | -4736.35      | -150.35      | 725371.66            | 377724.81             | 32°02'11.019"N | 103°36'21.732"W | 0.00             | 0.00                    | 0.00                   |          |



# Planned Wellpath Report

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------|
| 17332.60†  | 90.000             | 179.665        | 12275.00    | 4835.41           | -4836.35      | -149.76      | 725372.24            | 377624.82             | 32°02'10.029"N | 103°36'21.733"W | 0.00             | 0.00                    | 0.00                   |          |
| 17432.60†  | 90.000             | 179.665        | 12275.00    | 4935.41           | -4936.35      | -149.18      | 725372.82            | 377524.82             | 32°02'09.040"N | 103°36'21.734"W | 0.00             | 0.00                    | 0.00                   |          |
| 17532.60†  | 90.000             | 179.665        | 12275.00    | 5035.41           | -5036.35      | -148.60      | 725373.41            | 377424.83             | 32°02'08.050"N | 103°36'21.735"W | 0.00             | 0.00                    | 0.00                   |          |
| 17632.60†  | 90.000             | 179.665        | 12275.00    | 5135.41           | -5136.34      | -148.01      | 725373.99            | 377324.83             | 32°02'07.061"N | 103°36'21.736"W | 0.00             | 0.00                    | 0.00                   |          |
| 17732.60†  | 90.000             | 179.665        | 12275.00    | 5235.41           | -5236.34      | -147.43      | 725374.58            | 377224.84             | 32°02'06.071"N | 103°36'21.737"W | 0.00             | 0.00                    | 0.00                   |          |
| 17832.60†  | 90.000             | 179.665        | 12275.00    | 5335.41           | -5336.34      | -146.84      | 725375.16            | 377124.84             | 32°02'05.082"N | 103°36'21.738"W | 0.00             | 0.00                    | 0.00                   |          |
| 17932.60†  | 90.000             | 179.665        | 12275.00    | 5435.41           | -5436.34      | -146.26      | 725375.75            | 377024.85             | 32°02'04.092"N | 103°36'21.739"W | 0.00             | 0.00                    | 0.00                   |          |
| 18032.60†  | 90.000             | 179.665        | 12275.00    | 5535.41           | -5536.34      | -145.67      | 725376.33            | 376924.85             | 32°02'03.102"N | 103°36'21.740"W | 0.00             | 0.00                    | 0.00                   |          |
| 18132.60†  | 90.000             | 179.665        | 12275.00    | 5635.41           | -5636.34      | -145.09      | 725376.92            | 376824.86             | 32°02'02.113"N | 103°36'21.741"W | 0.00             | 0.00                    | 0.00                   |          |
| 18232.60†  | 90.000             | 179.665        | 12275.00    | 5735.41           | -5736.33      | -144.50      | 725377.50            | 376724.86             | 32°02'01.123"N | 103°36'21.742"W | 0.00             | 0.00                    | 0.00                   |          |
| 18332.60†  | 90.000             | 179.665        | 12275.00    | 5835.41           | -5836.33      | -143.92      | 725378.09            | 376624.87             | 32°02'00.134"N | 103°36'21.743"W | 0.00             | 0.00                    | 0.00                   |          |
| 18432.60†  | 90.000             | 179.665        | 12275.00    | 5935.41           | -5936.33      | -143.33      | 725378.67            | 376524.88             | 32°01'59.144"N | 103°36'21.744"W | 0.00             | 0.00                    | 0.00                   |          |
| 18532.60†  | 90.000             | 179.665        | 12275.00    | 6035.41           | -6036.33      | -142.75      | 725379.26            | 376424.88             | 32°01'58.155"N | 103°36'21.746"W | 0.00             | 0.00                    | 0.00                   |          |
| 18632.60†  | 90.000             | 179.665        | 12275.00    | 6135.41           | -6136.33      | -142.16      | 725379.84            | 376324.89             | 32°01'57.165"N | 103°36'21.747"W | 0.00             | 0.00                    | 0.00                   |          |
| 18732.60†  | 90.000             | 179.665        | 12275.00    | 6235.41           | -6236.33      | -141.58      | 725380.43            | 376224.89             | 32°01'56.175"N | 103°36'21.748"W | 0.00             | 0.00                    | 0.00                   |          |
| 18832.60†  | 90.000             | 179.665        | 12275.00    | 6335.41           | -6336.32      | -140.99      | 725381.01            | 376124.90             | 32°01'55.186"N | 103°36'21.749"W | 0.00             | 0.00                    | 0.00                   |          |
| 18932.60†  | 90.000             | 179.665        | 12275.00    | 6435.41           | -6436.32      | -140.41      | 725381.59            | 376024.90             | 32°01'54.196"N | 103°36'21.750"W | 0.00             | 0.00                    | 0.00                   |          |
| 19032.60†  | 90.000             | 179.665        | 12275.00    | 6535.41           | -6536.32      | -139.83      | 725382.18            | 375924.91             | 32°01'53.207"N | 103°36'21.751"W | 0.00             | 0.00                    | 0.00                   |          |
| 19132.60†  | 90.000             | 179.665        | 12275.00    | 6635.41           | -6636.32      | -139.24      | 725382.76            | 375824.91             | 32°01'52.217"N | 103°36'21.752"W | 0.00             | 0.00                    | 0.00                   |          |
| 19232.60†  | 90.000             | 179.665        | 12275.00    | 6735.41           | -6736.32      | -138.66      | 725383.35            | 375724.92             | 32°01'51.228"N | 103°36'21.753"W | 0.00             | 0.00                    | 0.00                   |          |
| 19332.60†  | 90.000             | 179.665        | 12275.00    | 6835.41           | -6836.32      | -138.07      | 725383.93            | 375624.92             | 32°01'50.238"N | 103°36'21.754"W | 0.00             | 0.00                    | 0.00                   |          |
| 19432.60†  | 90.000             | 179.665        | 12275.00    | 6935.41           | -6936.31      | -137.49      | 725384.52            | 375524.93             | 32°01'49.248"N | 103°36'21.755"W | 0.00             | 0.00                    | 0.00                   |          |
| 19532.60†  | 90.000             | 179.665        | 12275.00    | 7035.41           | -7036.31      | -136.90      | 725385.10            | 375424.93             | 32°01'48.259"N | 103°36'21.756"W | 0.00             | 0.00                    | 0.00                   |          |
| 19632.60†  | 90.000             | 179.665        | 12275.00    | 7135.41           | -7136.31      | -136.32      | 725385.69            | 375324.94             | 32°01'47.269"N | 103°36'21.757"W | 0.00             | 0.00                    | 0.00                   |          |
| 19732.60†  | 90.000             | 179.665        | 12275.00    | 7235.41           | -7236.31      | -135.73      | 725386.27            | 375224.94             | 32°01'46.280"N | 103°36'21.758"W | 0.00             | 0.00                    | 0.00                   |          |
| 19832.60†  | 90.000             | 179.665        | 12275.00    | 7335.41           | -7336.31      | -135.15      | 725386.86            | 375124.95             | 32°01'45.290"N | 103°36'21.759"W | 0.00             | 0.00                    | 0.00                   |          |
| 19932.60†  | 90.000             | 179.665        | 12275.00    | 7435.41           | -7436.30      | -134.56      | 725387.44            | 375024.95             | 32°01'44.300"N | 103°36'21.760"W | 0.00             | 0.00                    | 0.00                   |          |
| 20032.60†  | 90.000             | 179.665        | 12275.00    | 7535.41           | -7536.30      | -133.98      | 725388.03            | 374924.96             | 32°01'43.311"N | 103°36'21.761"W | 0.00             | 0.00                    | 0.00                   |          |
| 20132.60†  | 90.000             | 179.665        | 12275.00    | 7635.41           | -7636.30      | -133.39      | 725388.61            | 374824.96             | 32°01'42.321"N | 103°36'21.762"W | 0.00             | 0.00                    | 0.00                   |          |
| 20232.60†  | 90.000             | 179.665        | 12275.00    | 7735.41           | -7736.30      | -132.81      | 725389.20            | 374724.97             | 32°01'41.332"N | 103°36'21.763"W | 0.00             | 0.00                    | 0.00                   |          |



# Planned Wellpath Report

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## WELLPATH DATA (232 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] | Comments       |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|-------------------------|------------------------|----------------|
| 20332.60†  | 90.000             | 179.665        | 12275.00    | 7835.41           | -7836.30      | -132.22      | 725389.78            | 374624.97             | 32°01'40.342"N | 103°36'21.764"W | 0.00             | 0.00                    | 0.00                   |                |
| 20432.60†  | 90.000             | 179.665        | 12275.00    | 7935.41           | -7936.30      | -131.64      | 725390.36            | 374524.98             | 32°01'39.353"N | 103°36'21.765"W | 0.00             | 0.00                    | 0.00                   |                |
| 20532.60†  | 90.000             | 179.665        | 12275.00    | 8035.41           | -8036.29      | -131.06      | 725390.95            | 374424.98             | 32°01'38.363"N | 103°36'21.766"W | 0.00             | 0.00                    | 0.00                   |                |
| 20632.60†  | 90.000             | 179.665        | 12275.00    | 8135.41           | -8136.29      | -130.47      | 725391.53            | 374324.99             | 32°01'37.373"N | 103°36'21.767"W | 0.00             | 0.00                    | 0.00                   |                |
| 20732.60†  | 90.000             | 179.665        | 12275.00    | 8235.41           | -8236.29      | -129.89      | 725392.12            | 374224.99             | 32°01'36.384"N | 103°36'21.768"W | 0.00             | 0.00                    | 0.00                   |                |
| 20832.60†  | 90.000             | 179.665        | 12275.00    | 8335.41           | -8336.29      | -129.30      | 725392.70            | 374125.00             | 32°01'35.394"N | 103°36'21.769"W | 0.00             | 0.00                    | 0.00                   |                |
| 20932.60†  | 90.000             | 179.665        | 12275.00    | 8435.41           | -8436.29      | -128.72      | 725393.29            | 374025.00             | 32°01'34.405"N | 103°36'21.770"W | 0.00             | 0.00                    | 0.00                   |                |
| 21032.60†  | 90.000             | 179.665        | 12275.00    | 8535.41           | -8536.29      | -128.13      | 725393.87            | 373925.01             | 32°01'33.415"N | 103°36'21.771"W | 0.00             | 0.00                    | 0.00                   |                |
| 21132.60†  | 90.000             | 179.665        | 12275.00    | 8635.41           | -8636.28      | -127.55      | 725394.46            | 373825.01             | 32°01'32.426"N | 103°36'21.772"W | 0.00             | 0.00                    | 0.00                   |                |
| 21232.60†  | 90.000             | 179.665        | 12275.00    | 8735.41           | -8736.28      | -126.96      | 725395.04            | 373725.02             | 32°01'31.436"N | 103°36'21.773"W | 0.00             | 0.00                    | 0.00                   |                |
| 21332.60†  | 90.000             | 179.665        | 12275.00    | 8835.41           | -8836.28      | -126.38      | 725395.63            | 373625.03             | 32°01'30.446"N | 103°36'21.774"W | 0.00             | 0.00                    | 0.00                   |                |
| 21432.60†  | 90.000             | 179.665        | 12275.00    | 8935.41           | -8936.28      | -125.79      | 725396.21            | 373525.03             | 32°01'29.457"N | 103°36'21.775"W | 0.00             | 0.00                    | 0.00                   |                |
| 21532.60†  | 90.000             | 179.665        | 12275.00    | 9035.41           | -9036.28      | -125.21      | 725396.80            | 373425.04             | 32°01'28.467"N | 103°36'21.776"W | 0.00             | 0.00                    | 0.00                   |                |
| 21632.60†  | 90.000             | 179.665        | 12275.00    | 9135.41           | -9136.28      | -124.62      | 725397.38            | 373325.04             | 32°01'27.478"N | 103°36'21.777"W | 0.00             | 0.00                    | 0.00                   |                |
| 21732.60†  | 90.000             | 179.665        | 12275.00    | 9235.41           | -9236.27      | -124.04      | 725397.97            | 373225.05             | 32°01'26.488"N | 103°36'21.778"W | 0.00             | 0.00                    | 0.00                   |                |
| 21832.60†  | 90.000             | 179.665        | 12275.00    | 9335.41           | -9336.27      | -123.45      | 725398.55            | 373125.05             | 32°01'25.499"N | 103°36'21.779"W | 0.00             | 0.00                    | 0.00                   |                |
| 21932.60†  | 90.000             | 179.665        | 12275.00    | 9435.41           | -9436.27      | -122.87      | 725399.13            | 373025.06             | 32°01'24.509"N | 103°36'21.780"W | 0.00             | 0.00                    | 0.00                   |                |
| 22032.60†  | 90.000             | 179.665        | 12275.00    | 9535.41           | -9536.27      | -122.28      | 725399.72            | 372925.06             | 32°01'23.519"N | 103°36'21.782"W | 0.00             | 0.00                    | 0.00                   |                |
| 22132.60†  | 90.000             | 179.665        | 12275.00    | 9635.41           | -9636.27      | -121.70      | 725400.30            | 372825.07             | 32°01'22.530"N | 103°36'21.783"W | 0.00             | 0.00                    | 0.00                   |                |
| 22232.60†  | 90.000             | 179.665        | 12275.00    | 9735.41           | -9736.27      | -121.12      | 725400.89            | 372725.07             | 32°01'21.540"N | 103°36'21.784"W | 0.00             | 0.00                    | 0.00                   |                |
| 22332.60†  | 90.000             | 179.665        | 12275.00    | 9835.41           | -9836.26      | -120.53      | 725401.47            | 372625.08             | 32°01'20.551"N | 103°36'21.785"W | 0.00             | 0.00                    | 0.00                   |                |
| 22422.68   | 90.000             | 179.665        | 12275.00†   | 9925.49           | -9926.34      | -120.00      | 725402.00            | 372535.00             | 32°01'19.659"N | 103°36'21.786"W | 0.00             | 0.00                    | 0.00                   | End of Tangent |



# Planned Wellpath Report

SD EA 18 19 FED P15 17H Rev A.0

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## REFERENCE WELLPATH IDENTIFICATION

|          |                                                |          |                             |
|----------|------------------------------------------------|----------|-----------------------------|
| Operator | Chevron U.S.A. Inc.                            | Slot     | SD EA 18 19 FED P15 17H     |
| Area     | Lea County, NM                                 | Well     | SD EA 18 19 FED P15 17H     |
| Field    | Jennings / Upper BN SPR Shale (Lea County, NM) | Wellbore | SD EA 18 19 FED P15 17H PWB |
| Facility | SD EA 18-19 Fed P15                            |          |                             |

## TARGETS

| Name                                  | MD<br>[ft] | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Shape |
|---------------------------------------|------------|-------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|-------|
| 1) SD EA 18 19 FED P15 17H PBHL rev 1 | 22422.68   | 12275.00    | -9926.34      | -120.00      | 725402.00            | 372535.00             | 32°01'19.659"N | 103°36'21.786"W | point |

## SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 FED P15 17H PWB Ref Wellpath: SD EA 18 19 FED P15 17H Rev A.0

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore                    |
|------------------|----------------|------------------------------|------------------|-----------------------------|
| 32.60            | 500.00         | BHI NaviTrak (Standard)      |                  | SD EA 18 19 FED P15 17H PWB |
| 500.00           | 22422.68       | BHI NaviTrak (Standard)      |                  | SD EA 18 19 FED P15 17H PWB |