

**V-F Petroleum Inc.**  
**Standard Planning Report**  
**Getty 1 State #222H**

Location: 1-22S-34E  
 Pool: Grama Ridge; Bone Spring, NE [28435]  
 GL Elev: 3565  
 Method: Minimum Curvature

30-025-

Surface Latitude: 32.414383  
 Surface Longitude: -103.42483  
 Bottom Hole Latitude: 32.427307  
 Bottom Hole Longitude: -103.42479

md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State #222H\#222H Planned Survey 180501

| Measured |             |         | Vertical |       |       | Vertical | Dogleg      | Build       |
|----------|-------------|---------|----------|-------|-------|----------|-------------|-------------|
| Depth    | Inclination | Azimuth | Depth    | +N/-S | +E/-W | Section  | Rate        | Rate        |
| (ft)     | (deg)       | (deg)   | (ft)     | (ft)  | (ft)  | (ft)     | (deg/100ft) | (deg/100ft) |
| 0        | 0.0         | 359.7   | 0.0      | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 100      | 0.0         | 359.7   | 100.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 200      | 0.0         | 359.7   | 200.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 300      | 0.0         | 359.7   | 300.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 400      | 0.0         | 359.7   | 400.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 500      | 0.0         | 359.7   | 500.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 600      | 0.0         | 359.7   | 600.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 700      | 0.0         | 359.7   | 700.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 800      | 0.0         | 359.7   | 800.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 900      | 0.0         | 359.7   | 900.0    | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1000     | 0.0         | 359.7   | 1000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1100     | 0.0         | 359.7   | 1100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1200     | 0.0         | 359.7   | 1200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1300     | 0.0         | 359.7   | 1300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1400     | 0.0         | 359.7   | 1400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1500     | 0.0         | 359.7   | 1500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1600     | 0.0         | 359.7   | 1600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1700     | 0.0         | 359.7   | 1700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1800     | 0.0         | 359.7   | 1800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 1900     | 0.0         | 359.7   | 1900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2000     | 0.0         | 359.7   | 2000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2100     | 0.0         | 359.7   | 2100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2200     | 0.0         | 359.7   | 2200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2300     | 0.0         | 359.7   | 2300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2400     | 0.0         | 359.7   | 2400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2500     | 0.0         | 359.7   | 2500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2600     | 0.0         | 359.7   | 2600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2700     | 0.0         | 359.7   | 2700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2800     | 0.0         | 359.7   | 2800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 2900     | 0.0         | 359.7   | 2900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3000     | 0.0         | 359.7   | 3000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3100     | 0.0         | 359.7   | 3100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3200     | 0.0         | 359.7   | 3200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3300     | 0.0         | 359.7   | 3300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3400     | 0.0         | 359.7   | 3400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3500     | 0.0         | 359.7   | 3500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3600     | 0.0         | 359.7   | 3600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3700     | 0.0         | 359.7   | 3700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3800     | 0.0         | 359.7   | 3800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 3900     | 0.0         | 359.7   | 3900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4000     | 0.0         | 359.7   | 4000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |

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 Method: Minimum Curvature

**30-025-\_\_\_\_\_**

Surface Latitude: 32.414383  
 Surface Longitude: -103.42483  
 Bottom Hole Latitude: 32.427307  
 Bottom Hole Longitude: -103.42479

*md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State #222H\#222H Planned Survey 180501*

| Measured |             |         | Vertical |       |       | Vertical | Dogleg      | Build       |
|----------|-------------|---------|----------|-------|-------|----------|-------------|-------------|
| Depth    | Inclination | Azimuth | Depth    | +N/-S | +E/-W | Section  | Rate        | Rate        |
| (ft)     | (deg)       | (deg)   | (ft)     | (ft)  | (ft)  | (ft)     | (deg/100ft) | (deg/100ft) |
| 4100     | 0.0         | 359.7   | 4100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4200     | 0.0         | 359.7   | 4200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4300     | 0.0         | 359.7   | 4300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4400     | 0.0         | 359.7   | 4400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4500     | 0.0         | 359.7   | 4500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4600     | 0.0         | 359.7   | 4600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4700     | 0.0         | 359.7   | 4700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4800     | 0.0         | 359.7   | 4800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 4900     | 0.0         | 359.7   | 4900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5000     | 0.0         | 359.7   | 5000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5100     | 0.0         | 359.7   | 5100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5200     | 0.0         | 359.7   | 5200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5300     | 0.0         | 359.7   | 5300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5400     | 0.0         | 359.7   | 5400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5500     | 0.0         | 359.7   | 5500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5600     | 0.0         | 359.7   | 5600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5700     | 0.0         | 359.7   | 5700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5800     | 0.0         | 359.7   | 5800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 5900     | 0.0         | 359.7   | 5900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6000     | 0.0         | 359.7   | 6000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6100     | 0.0         | 359.7   | 6100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6200     | 0.0         | 359.7   | 6200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6300     | 0.0         | 359.7   | 6300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6400     | 0.0         | 359.7   | 6400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6500     | 0.0         | 359.7   | 6500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6600     | 0.0         | 359.7   | 6600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6700     | 0.0         | 359.7   | 6700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6800     | 0.0         | 359.7   | 6800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 6900     | 0.0         | 359.7   | 6900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7000     | 0.0         | 359.7   | 7000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7100     | 0.0         | 359.7   | 7100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7200     | 0.0         | 359.7   | 7200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7300     | 0.0         | 359.7   | 7300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7400     | 0.0         | 359.7   | 7400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7500     | 0.0         | 359.7   | 7500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7600     | 0.0         | 359.7   | 7600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7700     | 0.0         | 359.7   | 7700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7800     | 0.0         | 359.7   | 7800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 7900     | 0.0         | 359.7   | 7900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8000     | 0.0         | 359.7   | 8000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8100     | 0.0         | 359.7   | 8100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |

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Bottom Hole Latitude: 32.427307  
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| Measured |             |         | Vertical |       |       | Vertical | Dogleg      | Build       |
|----------|-------------|---------|----------|-------|-------|----------|-------------|-------------|
| Depth    | Inclination | Azimuth | Depth    | +N/-S | +E/-W | Section  | Rate        | Rate        |
| (ft)     | (deg)       | (deg)   | (ft)     | (ft)  | (ft)  | (ft)     | (deg/100ft) | (deg/100ft) |
| 8200     | 0.0         | 359.7   | 8200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8300     | 0.0         | 359.7   | 8300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8400     | 0.0         | 359.7   | 8400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8500     | 0.0         | 359.7   | 8500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8600     | 0.0         | 359.7   | 8600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8700     | 0.0         | 359.7   | 8700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8800     | 0.0         | 359.7   | 8800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 8900     | 0.0         | 359.7   | 8900.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9000     | 0.0         | 359.7   | 9000.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9100     | 0.0         | 359.7   | 9100.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9200     | 0.0         | 359.7   | 9200.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9300     | 0.0         | 359.7   | 9300.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9400     | 0.0         | 359.7   | 9400.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9500     | 0.0         | 359.7   | 9500.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9600     | 0.0         | 359.7   | 9600.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9700     | 0.0         | 359.7   | 9700.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9800     | 0.0         | 359.7   | 9800.0   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9844     | 0.0         | 359.7   | 9843.5   | 0.0   | 0.0   | 0.0      | 0.0         | 0.0         |
| 9854     | 1.2         | 359.7   | 9853.5   | 0.1   | 0.0   | 0.1      | 12.0        | 12.0        |
| 9864     | 2.4         | 359.7   | 9863.5   | 0.4   | 0.0   | 0.4      | 12.0        | 12.0        |
| 9874     | 3.6         | 359.7   | 9873.5   | 1.0   | 0.0   | 1.0      | 12.0        | 12.0        |
| 9884     | 4.8         | 359.7   | 9883.5   | 1.7   | 0.0   | 1.7      | 12.0        | 12.0        |
| 9894     | 6.0         | 359.7   | 9893.5   | 2.6   | 0.0   | 2.6      | 12.0        | 12.0        |
| 9904     | 7.2         | 359.7   | 9903.4   | 3.8   | 0.0   | 3.8      | 12.0        | 12.0        |
| 9914     | 8.4         | 359.7   | 9913.3   | 5.1   | 0.0   | 5.1      | 12.0        | 12.0        |
| 9924     | 9.6         | 359.7   | 9923.2   | 6.7   | 0.0   | 6.7      | 12.0        | 12.0        |
| 9934     | 10.8        | 359.7   | 9933.0   | 8.5   | 0.0   | 8.5      | 12.0        | 12.0        |
| 9944     | 12.0        | 359.7   | 9942.8   | 10.4  | -0.1  | 10.4     | 12.0        | 12.0        |
| 9954     | 13.2        | 359.7   | 9952.6   | 12.6  | -0.1  | 12.6     | 12.0        | 12.0        |
| 9964     | 14.4        | 359.7   | 9962.3   | 15.0  | -0.1  | 15.0     | 12.0        | 12.0        |
| 9974     | 15.6        | 359.7   | 9972.0   | 17.6  | -0.1  | 17.6     | 12.0        | 12.0        |
| 9984     | 16.8        | 359.7   | 9981.6   | 20.4  | -0.1  | 20.4     | 12.0        | 12.0        |
| 9994     | 18.0        | 359.7   | 9991.1   | 23.4  | -0.1  | 23.4     | 12.0        | 12.0        |
| 10004    | 19.2        | 359.7   | 10000.6  | 26.6  | -0.2  | 26.6     | 12.0        | 12.0        |
| 10014    | 20.4        | 359.7   | 10010.0  | 30.0  | -0.2  | 30.0     | 12.0        | 12.0        |
| 10024    | 21.6        | 359.7   | 10019.3  | 33.5  | -0.2  | 33.5     | 12.0        | 12.0        |
| 10034    | 22.8        | 359.7   | 10028.6  | 37.3  | -0.2  | 37.3     | 12.0        | 12.0        |
| 10044    | 24.0        | 359.7   | 10037.8  | 41.3  | -0.2  | 41.3     | 12.0        | 12.0        |
| 10054    | 25.2        | 359.7   | 10046.9  | 45.4  | -0.3  | 45.5     | 12.0        | 12.0        |
| 10064    | 26.4        | 359.7   | 10055.9  | 49.8  | -0.3  | 49.8     | 12.0        | 12.0        |
| 10074    | 27.6        | 359.7   | 10064.8  | 54.3  | -0.3  | 54.3     | 12.0        | 12.0        |

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Pool: Grama Ridge; Bone Spring, NE [28435]  
GL Elev: 3565  
Method: Minimum Curvature

**30-025-**\_\_\_\_\_

Surface Latitude: 32.414383  
Surface Longitude: -103.42483  
Bottom Hole Latitude: 32.427307  
Bottom Hole Longitude: -103.42479

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| Measured |             |         | Vertical |       |       | Vertical | Dogleg      | Build       |
|----------|-------------|---------|----------|-------|-------|----------|-------------|-------------|
| Depth    | Inclination | Azimuth | Depth    | +N/-S | +E/-W | Section  | Rate        | Rate        |
| (ft)     | (deg)       | (deg)   | (ft)     | (ft)  | (ft)  | (ft)     | (deg/100ft) | (deg/100ft) |
| 10084    | 28.8        | 359.7   | 10073.6  | 59.1  | -0.3  | 59.1     | 12.0        | 12.0        |
| 10094    | 30.0        | 359.7   | 10082.3  | 64.0  | -0.4  | 64.0     | 12.0        | 12.0        |
| 10104    | 31.2        | 359.7   | 10090.9  | 69.1  | -0.4  | 69.1     | 12.0        | 12.0        |
| 10114    | 32.4        | 359.7   | 10099.4  | 74.3  | -0.4  | 74.3     | 12.0        | 12.0        |
| 10124    | 33.6        | 359.7   | 10107.8  | 79.8  | -0.5  | 79.8     | 12.0        | 12.0        |
| 10134    | 34.8        | 359.7   | 10116.1  | 85.4  | -0.5  | 85.4     | 12.0        | 12.0        |
| 10144    | 36.0        | 359.7   | 10124.3  | 91.2  | -0.5  | 91.2     | 12.0        | 12.0        |
| 10154    | 37.2        | 359.7   | 10132.3  | 97.2  | -0.6  | 97.2     | 12.0        | 12.0        |
| 10164    | 38.4        | 359.7   | 10140.2  | 103.3 | -0.6  | 103.3    | 12.0        | 12.0        |
| 10174    | 39.6        | 359.7   | 10148.0  | 109.6 | -0.6  | 109.6    | 12.0        | 12.0        |
| 10184    | 40.8        | 359.7   | 10155.6  | 116.0 | -0.7  | 116.0    | 12.0        | 12.0        |
| 10194    | 42.0        | 359.7   | 10163.1  | 122.6 | -0.7  | 122.6    | 12.0        | 12.0        |
| 10204    | 43.2        | 359.7   | 10170.5  | 129.4 | -0.8  | 129.4    | 12.0        | 12.0        |
| 10214    | 44.4        | 359.7   | 10177.7  | 136.3 | -0.8  | 136.3    | 12.0        | 12.0        |
| 10224    | 45.6        | 359.7   | 10184.8  | 143.4 | -0.8  | 143.4    | 12.0        | 12.0        |
| 10234    | 46.8        | 359.7   | 10191.7  | 150.6 | -0.9  | 150.6    | 12.0        | 12.0        |
| 10244    | 48.0        | 359.7   | 10198.5  | 158.0 | -0.9  | 158.0    | 12.0        | 12.0        |
| 10254    | 49.2        | 359.7   | 10205.1  | 165.5 | -1.0  | 165.5    | 12.0        | 12.0        |
| 10264    | 50.4        | 359.7   | 10211.6  | 173.1 | -1.0  | 173.1    | 12.0        | 12.0        |
| 10274    | 51.6        | 359.7   | 10217.9  | 180.9 | -1.1  | 180.9    | 12.0        | 12.0        |
| 10284    | 52.8        | 359.7   | 10224.0  | 188.8 | -1.1  | 188.8    | 12.0        | 12.0        |
| 10294    | 54.0        | 359.7   | 10230.0  | 196.8 | -1.1  | 196.8    | 12.0        | 12.0        |
| 10304    | 55.2        | 359.7   | 10235.8  | 205.0 | -1.2  | 205.0    | 12.0        | 12.0        |
| 10314    | 56.4        | 359.7   | 10241.4  | 213.2 | -1.2  | 213.2    | 12.0        | 12.0        |
| 10324    | 57.6        | 359.7   | 10246.8  | 221.6 | -1.3  | 221.6    | 12.0        | 12.0        |
| 10334    | 58.8        | 359.7   | 10252.1  | 230.1 | -1.3  | 230.1    | 12.0        | 12.0        |
| 10344    | 60.0        | 359.7   | 10257.2  | 238.7 | -1.4  | 238.7    | 12.0        | 12.0        |
| 10354    | 61.2        | 359.7   | 10262.1  | 247.4 | -1.4  | 247.5    | 12.0        | 12.0        |
| 10364    | 62.4        | 359.7   | 10266.8  | 256.3 | -1.5  | 256.3    | 12.0        | 12.0        |
| 10374    | 63.6        | 359.7   | 10271.3  | 265.2 | -1.5  | 265.2    | 12.0        | 12.0        |
| 10384    | 64.8        | 359.7   | 10275.7  | 274.2 | -1.6  | 274.2    | 12.0        | 12.0        |
| 10394    | 66.0        | 359.7   | 10279.9  | 283.3 | -1.6  | 283.3    | 12.0        | 12.0        |
| 10404    | 67.2        | 359.7   | 10283.9  | 292.4 | -1.7  | 292.4    | 12.0        | 12.0        |
| 10414    | 68.4        | 359.7   | 10287.7  | 301.7 | -1.8  | 301.7    | 12.0        | 12.0        |
| 10424    | 69.6        | 359.7   | 10291.3  | 311.0 | -1.8  | 311.0    | 12.0        | 12.0        |
| 10434    | 70.8        | 359.7   | 10294.7  | 320.4 | -1.9  | 320.5    | 12.0        | 12.0        |
| 10444    | 72.0        | 359.7   | 10297.9  | 329.9 | -1.9  | 329.9    | 12.0        | 12.0        |
| 10454    | 73.2        | 359.7   | 10300.9  | 339.5 | -2.0  | 339.5    | 12.0        | 12.0        |
| 10464    | 74.4        | 359.7   | 10303.7  | 349.1 | -2.0  | 349.1    | 12.0        | 12.0        |
| 10474    | 75.6        | 359.7   | 10306.3  | 358.7 | -2.1  | 358.7    | 12.0        | 12.0        |
| 10484    | 76.8        | 359.7   | 10308.7  | 368.4 | -2.1  | 368.4    | 12.0        | 12.0        |

**V-F Petroleum Inc.**  
**Standard Planning Report**  
**Getty 1 State #222H**

Location: 1-22S-34E  
Pool: Grama Ridge; Bone Spring, NE [28435]  
GL Elev: 3565  
Method: Minimum Curvature

**30-025-**\_\_\_\_\_

Surface Latitude: 32.414383  
Surface Longitude: -103.42483  
Bottom Hole Latitude: 32.427307  
Bottom Hole Longitude: -103.42479

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| Measured |             |         | Vertical |        |       | Vertical | Dogleg      | Build       |
|----------|-------------|---------|----------|--------|-------|----------|-------------|-------------|
| Depth    | Inclination | Azimuth | Depth    | +N/-S  | +E/-W | Section  | Rate        | Rate        |
| (ft)     | (deg)       | (deg)   | (ft)     | (ft)   | (ft)  | (ft)     | (deg/100ft) | (deg/100ft) |
| 10494    | 78.0        | 359.7   | 10310.9  | 378.2  | -2.2  | 378.2    | 12.0        | 12.0        |
| 10504    | 79.2        | 359.7   | 10312.9  | 388.0  | -2.3  | 388.0    | 12.0        | 12.0        |
| 10514    | 80.4        | 359.7   | 10314.7  | 397.8  | -2.3  | 397.8    | 12.0        | 12.0        |
| 10524    | 81.6        | 359.7   | 10316.3  | 407.7  | -2.4  | 407.7    | 12.0        | 12.0        |
| 10534    | 82.8        | 359.7   | 10317.7  | 417.6  | -2.4  | 417.6    | 12.0        | 12.0        |
| 10544    | 84.0        | 359.7   | 10318.8  | 427.6  | -2.5  | 427.6    | 12.0        | 12.0        |
| 10554    | 85.2        | 359.7   | 10319.7  | 437.5  | -2.5  | 437.5    | 12.0        | 12.0        |
| 10564    | 86.4        | 359.7   | 10320.4  | 447.5  | -2.6  | 447.5    | 12.0        | 12.0        |
| 10574    | 87.6        | 359.7   | 10320.9  | 457.5  | -2.7  | 457.5    | 12.0        | 12.0        |
| 10584    | 88.8        | 359.7   | 10321.2  | 467.5  | -2.7  | 467.5    | 12.0        | 12.0        |
| 10594    | 90.0        | 359.7   | 10321.3  | 477.5  | -2.8  | 477.5    | 12.0        | 12.0        |
| 10694    | 90.3        | 359.7   | 10321.1  | 577.5  | -3.4  | 577.5    | 0.3         | 0.3         |
| 10794    | 90.3        | 359.7   | 10320.6  | 677.5  | -3.9  | 677.5    | 0.0         | 0.0         |
| 10894    | 90.3        | 359.7   | 10320.1  | 777.5  | -4.5  | 777.5    | 0.0         | 0.0         |
| 10994    | 90.3        | 359.7   | 10319.6  | 877.5  | -5.1  | 877.5    | 0.0         | 0.0         |
| 11094    | 90.3        | 359.7   | 10319.1  | 977.5  | -5.7  | 977.5    | 0.0         | 0.0         |
| 11194    | 90.3        | 359.7   | 10318.6  | 1077.4 | -6.3  | 1077.5   | 0.0         | 0.0         |
| 11294    | 90.3        | 359.7   | 10318.1  | 1177.4 | -6.8  | 1177.5   | 0.0         | 0.0         |
| 11394    | 90.3        | 359.7   | 10317.6  | 1277.4 | -7.4  | 1277.5   | 0.0         | 0.0         |
| 11494    | 90.3        | 359.7   | 10317.1  | 1377.4 | -8.0  | 1377.5   | 0.0         | 0.0         |
| 11594    | 90.3        | 359.7   | 10316.6  | 1477.4 | -8.6  | 1477.5   | 0.0         | 0.0         |
| 11694    | 90.3        | 359.7   | 10316.1  | 1577.4 | -9.2  | 1577.5   | 0.0         | 0.0         |
| 11794    | 90.3        | 359.7   | 10315.6  | 1677.4 | -9.8  | 1677.5   | 0.0         | 0.0         |
| 11894    | 90.3        | 359.7   | 10315.1  | 1777.4 | -10.3 | 1777.5   | 0.0         | 0.0         |
| 11994    | 90.3        | 359.7   | 10314.6  | 1877.4 | -10.9 | 1877.5   | 0.0         | 0.0         |
| 12094    | 90.3        | 359.7   | 10314.1  | 1977.4 | -11.5 | 1977.5   | 0.0         | 0.0         |
| 12194    | 90.3        | 359.7   | 10313.6  | 2077.4 | -12.1 | 2077.5   | 0.0         | 0.0         |
| 12294    | 90.3        | 359.7   | 10313.1  | 2177.4 | -12.7 | 2177.5   | 0.0         | 0.0         |
| 12394    | 90.3        | 359.7   | 10312.6  | 2277.4 | -13.2 | 2277.5   | 0.0         | 0.0         |
| 12494    | 90.3        | 359.7   | 10312.1  | 2377.4 | -13.8 | 2377.5   | 0.0         | 0.0         |
| 12594    | 90.3        | 359.7   | 10311.6  | 2477.4 | -14.4 | 2477.5   | 0.0         | 0.0         |
| 12694    | 90.3        | 359.7   | 10311.1  | 2577.4 | -15.0 | 2577.5   | 0.0         | 0.0         |
| 12794    | 90.3        | 359.7   | 10310.6  | 2677.4 | -15.6 | 2677.4   | 0.0         | 0.0         |
| 12894    | 90.3        | 359.7   | 10310.1  | 2777.4 | -16.1 | 2777.4   | 0.0         | 0.0         |
| 12994    | 90.3        | 359.7   | 10309.6  | 2877.4 | -16.7 | 2877.4   | 0.0         | 0.0         |
| 13094    | 90.3        | 359.7   | 10309.1  | 2977.4 | -17.3 | 2977.4   | 0.0         | 0.0         |
| 13194    | 90.3        | 359.7   | 10308.6  | 3077.4 | -17.9 | 3077.4   | 0.0         | 0.0         |
| 13294    | 90.3        | 359.7   | 10308.1  | 3177.4 | -18.5 | 3177.4   | 0.0         | 0.0         |
| 13394    | 90.3        | 359.7   | 10307.6  | 3277.4 | -19.1 | 3277.4   | 0.0         | 0.0         |
| 13494    | 90.3        | 359.7   | 10307.1  | 3377.4 | -19.6 | 3377.4   | 0.0         | 0.0         |
| 13594    | 90.3        | 359.7   | 10306.6  | 3477.4 | -20.2 | 3477.4   | 0.0         | 0.0         |

**V-F Petroleum Inc.**  
**Standard Planning Report**  
**Getty 1 State #222H**

Location: 1-22S-34E  
 Pool: Grama Ridge; Bone Spring, NE [28435]  
 GL Elev: 3565  
 Method: Minimum Curvature

**30-025-**\_\_\_\_\_

Surface Latitude: 32.414383  
 Surface Longitude: -103.42483  
 Bottom Hole Latitude: 32.427307  
 Bottom Hole Longitude: -103.42479

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| Measured |             |         | Vertical |        |       | Vertical | Dogleg      | Build       |
|----------|-------------|---------|----------|--------|-------|----------|-------------|-------------|
| Depth    | Inclination | Azimuth | Depth    | +N/-S  | +E/-W | Section  | Rate        | Rate        |
| (ft)     | (deg)       | (deg)   | (ft)     | (ft)   | (ft)  | (ft)     | (deg/100ft) | (deg/100ft) |
| 13694    | 90.3        | 359.7   | 10306.1  | 3577.4 | -20.8 | 3577.4   | 0.0         | 0.0         |
| 13794    | 90.3        | 359.7   | 10305.6  | 3677.4 | -21.4 | 3677.4   | 0.0         | 0.0         |
| 13894    | 90.3        | 359.7   | 10305.1  | 3777.4 | -22.0 | 3777.4   | 0.0         | 0.0         |
| 13994    | 90.3        | 359.7   | 10304.6  | 3877.4 | -22.5 | 3877.4   | 0.0         | 0.0         |
| 14094    | 90.3        | 359.7   | 10304.1  | 3977.4 | -23.1 | 3977.4   | 0.0         | 0.0         |
| 14194    | 90.3        | 359.7   | 10303.6  | 4077.4 | -23.7 | 4077.4   | 0.0         | 0.0         |
| 14294    | 90.3        | 359.7   | 10303.1  | 4177.4 | -24.3 | 4177.4   | 0.0         | 0.0         |
| 14394    | 90.3        | 359.7   | 10302.6  | 4277.4 | -24.9 | 4277.4   | 0.0         | 0.0         |
| 14494    | 90.3        | 359.7   | 10302.1  | 4377.4 | -25.4 | 4377.4   | 0.0         | 0.0         |
| 14594    | 90.3        | 359.7   | 10301.6  | 4477.4 | -26.0 | 4477.4   | 0.0         | 0.0         |
| 14694    | 90.3        | 359.7   | 10301.1  | 4577.4 | -26.6 | 4577.4   | 0.0         | 0.0         |
| 14794    | 90.3        | 359.7   | 10300.6  | 4677.3 | -27.2 | 4677.4   | 0.0         | 0.0         |
| 14819    | 90.3        | 359.7   | 10300.5  | 4702.7 | -27.3 | 4702.8   | 0.0         | 0.0         |