

VERDAD RESOURCES

WATTENBERG FIELD

2N-63W-19 KBL PAD

KBL 1918-14H

Plan A

Plan: Design #1

Standard Planning Report

17 September, 2024

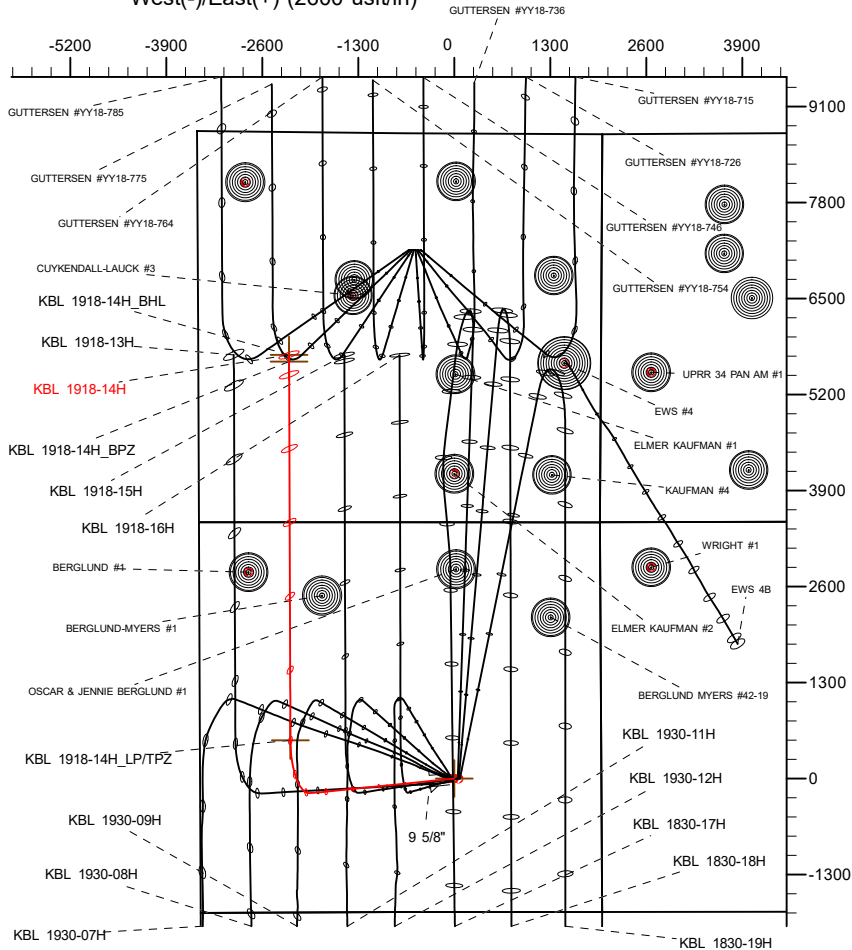
Project: WATTENBERG FIELD
Site: 2N-63W-19 KBL PAD
Well: KBL 1918-14H
Wellbore: Plan A
Design: Design #1

VERDAD RESOURCES

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|--------|-------|
| 1816.00 | 1865.87 | 9 5/8" | 9-5/8 |

West(-)/East(+) (2600 usft/in)



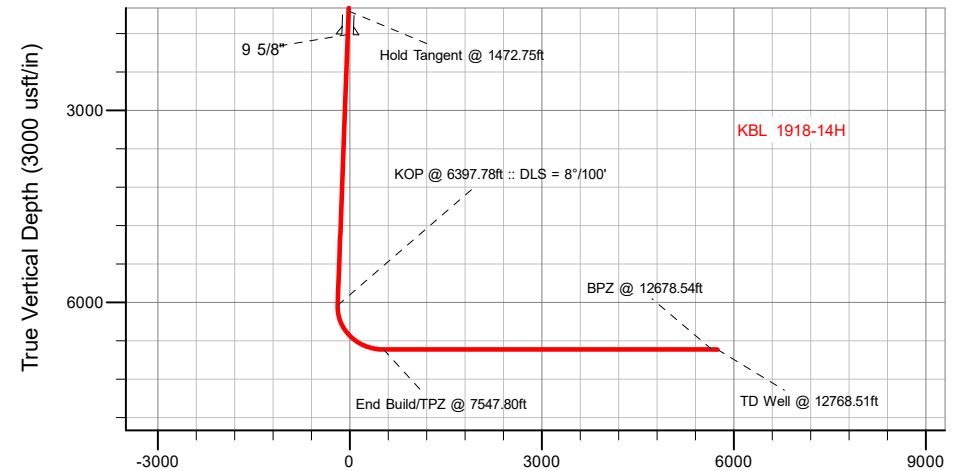
South(-)/North(+) (2600 usft/in)

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|----------|-------|--------|---------|---------|----------|------|--------|---------|------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 419.25 | 0.00 | 0.00 | 419.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1472.75 | 21.07 | 264.22 | 1449.17 | -19.29 | -190.56 | 2.00 | 264.22 | -18.62 | |
| 6397.78 | 21.07 | 264.22 | 6044.92 | -197.60 | -1952.15 | 0.00 | 0.00 | -190.79 | |
| 7547.80 | 90.00 | 359.80 | 6737.00 | 517.21 | -2220.07 | 8.00 | 95.21 | 524.95 | |
| 12768.51 | 90.00 | 359.80 | 6737.00 | 5737.88 | -2238.67 | 0.00 | 0.00 | 5745.66 | KBL 1918-14H_BHL |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | Northing | Easting | Latitude | Longitude |
|---------------------|---------|------------|------------|-----------|-------------|
| KBL 1918-14H_SHL | 0.00 | 1288791.73 | 3285810.73 | 40.121605 | -104.477962 |
| KBL 1918-14H_LP/TPZ | 6737.00 | 1289283.14 | 3283584.79 | 40.123024 | -104.485901 |
| KBL 1918-14H_BPZ | 6737.00 | 1294413.46 | 3283507.38 | 40.137109 | -104.485968 |
| KBL 1918-14H_BHL | 6737.00 | 1294503.43 | 3283506.07 | 40.137356 | -104.485969 |



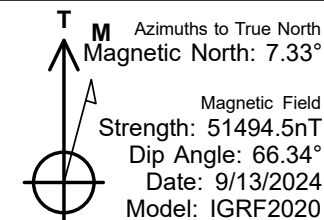
Vertical Section at 359.80° (3000 usft/in)

SHL
1805' FSL
1991' FEL

TPZ
2330' FSL
1226' FWL

BPZ
2177' FSL
1229' FWL

BHL
2267' FSL
1229' FWL



WELL DETAILS: KBL 1918-14H

GL = 4861'

RKB = 21' @ 4882.00usft (RIG)

Plan: Design #1 (KBL 1918-14H/Plan A)

Date: 9/17/2024

Planning Report

| | | | |
|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KBL 1918-14H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Site: | 2N-63W-19 KBL PAD | North Reference: | True |
| Well: | KBL 1918-14H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Design #1 | | |

| | | | |
|-------------|---------------------------|---------------|----------------|
| Project | WATTENBERG FIELD | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | | | |
|-----------------------|----------|-------------------|--------------|--------------|------------|-------------|
| Site | | 2N-63W-19 KBL PAD | | | | |
| Site Position: | | Northing: | 1,288,791.50 | usft | Latitude: | 40.121610 |
| From: | Lat/Long | Easting: | 3,285,630.62 | usft | Longitude: | -104.478606 |
| Position Uncertainty: | | 0.00 | usft | Slot Radius: | 13-3/16 | " |

| | | | | | | |
|----------------------|--------------|-----------|---------------------|-------------------|---------------|---------------|
| Well | KBL 1918-14H | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,288,791.73 usft | Latitude: | 40.121605 |
| | +E/-W | 0.00 usft | Easting: | 3,285,810.73 usft | Longitude: | -104.477962 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | usft | Ground Level: | 4,861.00 usft |
| Grid Convergence: | | 0.66 ° | | | | |

| | | | | | |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Wellbore | Plan A | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF202013 | 9/13/2024 | 7.33 | 66.34 | 51,494.52594502 |

| | | | | | |
|-------------------|-----------|-------------------------|--------------|---------------|---------------|
| Design | Design #1 | | | | |
| Audit Notes: | | | | | |
| Version: | | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | | 0.00 | 0.00 | 0.00 | 359.80 |

| | | | | | |
|--------------------------|-----------------|-------------------|--------------------|-------------------------------|--|
| Plan Survey Tool Program | | Date | 9/17/2024 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.00 | 1,816.00 | Design #1 (Plan A) | ISCWSA MWD | |
| | | | | Fixed:v2:standard declination | |
| 2 | 1,816.00 | 12,768.51 | Design #1 (Plan A) | ISCWSA MWD | |
| | | | | Fixed:v2:standard declination | |

Planning Report

| | | | |
|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KBL 1918-14H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Site: | 2N-63W-19 KBL PAD | North Reference: | True |
| Well: | KBL 1918-14H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Design #1 | | |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 419.25 | 0.00 | 0.00 | 419.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,472.75 | 21.07 | 264.22 | 1,449.17 | -19.29 | -190.56 | 2.00 | 2.00 | 0.00 | 264.22 | |
| 6,397.78 | 21.07 | 264.22 | 6,044.92 | -197.60 | -1,952.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,547.80 | 90.00 | 359.80 | 6,737.00 | 517.21 | -2,220.07 | 8.00 | 5.99 | 8.31 | 95.21 | |
| 12,768.51 | 90.00 | 359.80 | 6,737.00 | 5,737.88 | -2,238.67 | 0.00 | 0.00 | 0.00 | 0.00 | KBL 1918-14H_BHL |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KBL 1918-14H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Site: | 2N-63W-19 KBL PAD | North Reference: | True |
| Well: | KBL 1918-14H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Design #1 | | |

| Planned Survey | | | | | | | | | |
|--------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419.25 | 0.00 | 0.00 | 419.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Nudge @ 419.25ft | | | | | | | | | |
| 500.00 | 1.61 | 264.22 | 499.99 | -0.11 | -1.13 | -0.11 | 2.00 | 2.00 | 0.00 |
| 600.00 | 3.61 | 264.22 | 599.88 | -0.57 | -5.67 | -0.55 | 2.00 | 2.00 | 0.00 |
| 700.00 | 5.61 | 264.22 | 699.55 | -1.38 | -13.68 | -1.34 | 2.00 | 2.00 | 0.00 |
| 800.00 | 7.61 | 264.22 | 798.88 | -2.54 | -25.14 | -2.46 | 2.00 | 2.00 | 0.00 |
| 900.00 | 9.61 | 264.22 | 897.75 | -4.05 | -40.04 | -3.91 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 11.61 | 264.22 | 996.03 | -5.91 | -58.37 | -5.70 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 13.61 | 264.22 | 1,093.61 | -8.11 | -80.09 | -7.83 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 15.61 | 264.22 | 1,190.37 | -10.65 | -105.20 | -10.28 | 2.00 | 2.00 | 0.00 |
| 1,300.00 | 17.61 | 264.22 | 1,286.19 | -13.53 | -133.64 | -13.06 | 2.00 | 2.00 | 0.00 |
| 1,400.00 | 19.61 | 264.22 | 1,380.95 | -16.74 | -165.40 | -16.16 | 2.00 | 2.00 | 0.00 |
| 1,472.75 | 21.07 | 264.22 | 1,449.17 | -19.29 | -190.56 | -18.62 | 2.00 | 2.00 | 0.00 |
| Hold Tangent @ 1472.75ft | | | | | | | | | |
| 1,500.00 | 21.07 | 264.22 | 1,474.59 | -20.28 | -200.31 | -19.58 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 21.07 | 264.22 | 1,567.91 | -23.90 | -236.08 | -23.07 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 21.07 | 264.22 | 1,661.22 | -27.52 | -271.84 | -26.57 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 21.07 | 264.22 | 1,754.54 | -31.14 | -307.61 | -30.06 | 0.00 | 0.00 | 0.00 |
| 1,865.87 | 21.07 | 264.22 | 1,816.00 | -33.52 | -331.17 | -32.37 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 1,900.00 | 21.07 | 264.22 | 1,847.85 | -34.76 | -343.38 | -33.56 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 21.07 | 264.22 | 1,941.16 | -38.38 | -379.15 | -37.05 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 21.07 | 264.22 | 2,034.48 | -42.00 | -414.92 | -40.55 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 21.07 | 264.22 | 2,127.79 | -45.62 | -450.68 | -44.05 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 21.07 | 264.22 | 2,221.11 | -49.24 | -486.45 | -47.54 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 21.07 | 264.22 | 2,314.42 | -52.86 | -522.22 | -51.04 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 21.07 | 264.22 | 2,407.74 | -56.48 | -557.99 | -54.53 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 21.07 | 264.22 | 2,501.05 | -60.10 | -593.76 | -58.03 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 21.07 | 264.22 | 2,594.36 | -63.72 | -629.52 | -61.52 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 21.07 | 264.22 | 2,687.68 | -67.34 | -665.29 | -65.02 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 21.07 | 264.22 | 2,780.99 | -70.96 | -701.06 | -68.52 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 21.07 | 264.22 | 2,874.31 | -74.58 | -736.83 | -72.01 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 21.07 | 264.22 | 2,967.62 | -78.20 | -772.60 | -75.51 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 21.07 | 264.22 | 3,060.93 | -81.83 | -808.36 | -79.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 21.07 | 264.22 | 3,154.25 | -85.45 | -844.13 | -82.50 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 21.07 | 264.22 | 3,247.56 | -89.07 | -879.90 | -85.99 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 21.07 | 264.22 | 3,340.88 | -92.69 | -915.67 | -89.49 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 21.07 | 264.22 | 3,434.19 | -96.31 | -951.44 | -92.99 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 21.07 | 264.22 | 3,527.51 | -99.93 | -987.20 | -96.48 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 21.07 | 264.22 | 3,620.82 | -103.55 | -1,022.97 | -99.98 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 21.07 | 264.22 | 3,714.13 | -107.17 | -1,058.74 | -103.47 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 21.07 | 264.22 | 3,807.45 | -110.79 | -1,094.51 | -106.97 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 21.07 | 264.22 | 3,900.76 | -114.41 | -1,130.28 | -110.46 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 21.07 | 264.22 | 3,994.08 | -118.03 | -1,166.04 | -113.96 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 21.07 | 264.22 | 4,087.39 | -121.65 | -1,201.81 | -117.46 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 21.07 | 264.22 | 4,180.71 | -125.27 | -1,237.58 | -120.95 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 21.07 | 264.22 | 4,274.02 | -128.89 | -1,273.35 | -124.45 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 21.07 | 264.22 | 4,367.33 | -132.51 | -1,309.12 | -127.94 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KBL 1918-14H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Site: | 2N-63W-19 KBL PAD | North Reference: | True |
| Well: | KBL 1918-14H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Design #1 | | |

| Planned Survey | | | | | | | | | |
|----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,700.00 | 21.07 | 264.22 | 4,460.65 | -136.13 | -1,344.88 | -131.44 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 21.07 | 264.22 | 4,553.96 | -139.75 | -1,380.65 | -134.93 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 21.07 | 264.22 | 4,647.28 | -143.38 | -1,416.42 | -138.43 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 21.07 | 264.22 | 4,740.59 | -147.00 | -1,452.19 | -141.93 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 21.07 | 264.22 | 4,833.90 | -150.62 | -1,487.96 | -145.42 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 21.07 | 264.22 | 4,927.22 | -154.24 | -1,523.73 | -148.92 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 21.07 | 264.22 | 5,020.53 | -157.86 | -1,559.49 | -152.41 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 21.07 | 264.22 | 5,113.85 | -161.48 | -1,595.26 | -155.91 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 21.07 | 264.22 | 5,207.16 | -165.10 | -1,631.03 | -159.40 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 21.07 | 264.22 | 5,300.48 | -168.72 | -1,666.80 | -162.90 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 21.07 | 264.22 | 5,393.79 | -172.34 | -1,702.57 | -166.40 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 21.07 | 264.22 | 5,487.10 | -175.96 | -1,738.33 | -169.89 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 21.07 | 264.22 | 5,580.42 | -179.58 | -1,774.10 | -173.39 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 21.07 | 264.22 | 5,673.73 | -183.20 | -1,809.87 | -176.88 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 21.07 | 264.22 | 5,767.05 | -186.82 | -1,845.64 | -180.38 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 21.07 | 264.22 | 5,860.36 | -190.44 | -1,881.41 | -183.87 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 21.07 | 264.22 | 5,953.67 | -194.06 | -1,917.17 | -187.37 | 0.00 | 0.00 | 0.00 |
| 6,397.78 | 21.07 | 264.22 | 6,044.92 | -197.60 | -1,952.15 | -190.79 | 0.00 | 0.00 | 0.00 |
| KOP @ 6397.78ft :: DLS = 8°/100' | | | | | | | | | |
| 6,400.00 | 21.05 | 264.71 | 6,046.99 | -197.68 | -1,952.94 | -190.86 | 8.00 | -0.69 | 22.18 |
| 6,450.00 | 21.09 | 275.85 | 6,093.66 | -197.59 | -1,970.84 | -190.71 | 8.00 | 0.06 | 22.28 |
| 6,500.00 | 21.83 | 286.61 | 6,140.22 | -194.01 | -1,988.70 | -187.07 | 8.00 | 1.49 | 21.52 |
| 6,550.00 | 23.22 | 296.42 | 6,186.42 | -186.97 | -2,006.44 | -179.96 | 8.00 | 2.77 | 19.62 |
| 6,600.00 | 25.14 | 305.00 | 6,232.04 | -176.49 | -2,023.98 | -169.42 | 8.00 | 3.85 | 17.15 |
| 6,650.00 | 27.49 | 312.32 | 6,276.87 | -162.62 | -2,041.21 | -155.50 | 8.00 | 4.69 | 14.64 |
| 6,700.00 | 30.16 | 318.50 | 6,320.69 | -145.44 | -2,058.08 | -138.26 | 8.00 | 5.34 | 12.37 |
| 6,750.00 | 33.08 | 323.73 | 6,363.27 | -125.03 | -2,074.48 | -117.78 | 8.00 | 5.83 | 10.45 |
| 6,800.00 | 36.18 | 328.17 | 6,404.41 | -101.48 | -2,090.34 | -94.18 | 8.00 | 6.21 | 8.89 |
| 6,850.00 | 39.42 | 331.99 | 6,443.92 | -74.91 | -2,105.58 | -67.56 | 8.00 | 6.49 | 7.64 |
| 6,900.00 | 42.78 | 335.31 | 6,481.60 | -45.46 | -2,120.13 | -38.06 | 8.00 | 6.71 | 6.64 |
| 6,950.00 | 46.21 | 338.23 | 6,517.26 | -13.26 | -2,133.92 | -5.81 | 8.00 | 6.88 | 5.84 |
| 7,000.00 | 49.72 | 340.83 | 6,550.74 | 21.53 | -2,146.88 | 29.03 | 8.00 | 7.01 | 5.20 |
| 7,050.00 | 53.27 | 343.17 | 6,581.86 | 58.74 | -2,158.95 | 66.28 | 8.00 | 7.11 | 4.68 |
| 7,100.00 | 56.87 | 345.31 | 6,610.49 | 98.19 | -2,170.07 | 105.77 | 8.00 | 7.20 | 4.26 |
| 7,150.00 | 60.50 | 347.27 | 6,636.47 | 139.68 | -2,180.18 | 147.29 | 8.00 | 7.26 | 3.93 |
| 7,200.00 | 64.16 | 349.10 | 6,659.68 | 183.02 | -2,189.23 | 190.66 | 8.00 | 7.32 | 3.65 |
| 7,250.00 | 67.84 | 350.81 | 6,680.02 | 227.99 | -2,197.19 | 235.66 | 8.00 | 7.36 | 3.43 |
| 7,300.00 | 71.54 | 352.44 | 6,697.37 | 274.37 | -2,204.01 | 282.07 | 8.00 | 7.39 | 3.26 |
| 7,350.00 | 75.25 | 354.00 | 6,711.66 | 321.94 | -2,209.66 | 329.66 | 8.00 | 7.42 | 3.12 |
| 7,400.00 | 78.97 | 355.51 | 6,722.81 | 370.47 | -2,214.11 | 378.20 | 8.00 | 7.44 | 3.02 |
| 7,450.00 | 82.70 | 356.98 | 6,730.77 | 419.72 | -2,217.34 | 427.45 | 8.00 | 7.46 | 2.94 |
| 7,500.00 | 86.43 | 358.42 | 6,735.51 | 469.44 | -2,219.33 | 477.19 | 8.00 | 7.46 | 2.89 |
| 7,547.80 | 90.00 | 359.80 | 6,737.00 | 517.21 | -2,220.07 | 524.95 | 8.00 | 7.47 | 2.87 |
| End Build/TPZ @ 7547.80ft | | | | | | | | | |
| 7,600.00 | 90.00 | 359.80 | 6,737.00 | 569.40 | -2,220.26 | 577.15 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 90.00 | 359.80 | 6,737.00 | 669.40 | -2,220.61 | 677.15 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.00 | 359.80 | 6,737.00 | 769.40 | -2,220.97 | 777.15 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.00 | 359.80 | 6,737.00 | 869.40 | -2,221.33 | 877.15 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.00 | 359.80 | 6,737.00 | 969.40 | -2,221.68 | 977.15 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.00 | 359.80 | 6,737.00 | 1,069.40 | -2,222.04 | 1,077.15 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.00 | 359.80 | 6,737.00 | 1,169.40 | -2,222.39 | 1,177.15 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.00 | 359.80 | 6,737.00 | 1,269.40 | -2,222.75 | 1,277.15 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.00 | 359.80 | 6,737.00 | 1,369.40 | -2,223.11 | 1,377.15 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.00 | 359.80 | 6,737.00 | 1,469.40 | -2,223.46 | 1,477.15 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KBL 1918-14H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Site: | 2N-63W-19 KBL PAD | North Reference: | True |
| Well: | KBL 1918-14H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Design #1 | | |

| Planned Survey | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,600.00 | 90.00 | 359.80 | 6,737.00 | 1,569.40 | -2,223.82 | 1,577.15 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.00 | 359.80 | 6,737.00 | 1,669.40 | -2,224.18 | 1,677.15 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.00 | 359.80 | 6,737.00 | 1,769.40 | -2,224.53 | 1,777.15 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.00 | 359.80 | 6,737.00 | 1,869.40 | -2,224.89 | 1,877.15 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.00 | 359.80 | 6,737.00 | 1,969.39 | -2,225.24 | 1,977.15 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.00 | 359.80 | 6,737.00 | 2,069.39 | -2,225.60 | 2,077.15 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.00 | 359.80 | 6,737.00 | 2,169.39 | -2,225.96 | 2,177.15 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.00 | 359.80 | 6,737.00 | 2,269.39 | -2,226.31 | 2,277.15 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.00 | 359.80 | 6,737.00 | 2,369.39 | -2,226.67 | 2,377.15 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.00 | 359.80 | 6,737.00 | 2,469.39 | -2,227.03 | 2,477.15 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.00 | 359.80 | 6,737.00 | 2,569.39 | -2,227.38 | 2,577.15 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.00 | 359.80 | 6,737.00 | 2,669.39 | -2,227.74 | 2,677.15 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.00 | 359.80 | 6,737.00 | 2,769.39 | -2,228.09 | 2,777.15 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 359.80 | 6,737.00 | 2,869.39 | -2,228.45 | 2,877.15 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 359.80 | 6,737.00 | 2,969.39 | -2,228.81 | 2,977.15 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 359.80 | 6,737.00 | 3,069.39 | -2,229.16 | 3,077.15 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 359.80 | 6,737.00 | 3,169.39 | -2,229.52 | 3,177.15 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 359.80 | 6,737.00 | 3,269.39 | -2,229.88 | 3,277.15 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 359.80 | 6,737.00 | 3,369.39 | -2,230.23 | 3,377.15 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 359.80 | 6,737.00 | 3,469.39 | -2,230.59 | 3,477.15 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.00 | 359.80 | 6,737.00 | 3,569.38 | -2,230.95 | 3,577.15 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.00 | 359.80 | 6,737.00 | 3,669.38 | -2,231.30 | 3,677.15 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.00 | 359.80 | 6,737.00 | 3,769.38 | -2,231.66 | 3,777.15 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.00 | 359.80 | 6,737.00 | 3,869.38 | -2,232.01 | 3,877.15 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 359.80 | 6,737.00 | 3,969.38 | -2,232.37 | 3,977.15 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 359.80 | 6,737.00 | 4,069.38 | -2,232.73 | 4,077.15 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 359.80 | 6,737.00 | 4,169.38 | -2,233.08 | 4,177.15 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 359.80 | 6,737.00 | 4,269.38 | -2,233.44 | 4,277.15 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.00 | 359.80 | 6,737.00 | 4,369.38 | -2,233.80 | 4,377.15 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.00 | 359.80 | 6,737.00 | 4,469.38 | -2,234.15 | 4,477.15 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.00 | 359.80 | 6,737.00 | 4,569.38 | -2,234.51 | 4,577.15 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.00 | 359.80 | 6,737.00 | 4,669.38 | -2,234.86 | 4,677.15 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.00 | 359.80 | 6,737.00 | 4,769.38 | -2,235.22 | 4,777.15 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.00 | 359.80 | 6,737.00 | 4,869.38 | -2,235.58 | 4,877.15 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.00 | 359.80 | 6,737.00 | 4,969.38 | -2,235.93 | 4,977.15 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.00 | 359.80 | 6,737.00 | 5,069.38 | -2,236.29 | 5,077.15 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.00 | 359.80 | 6,737.00 | 5,169.37 | -2,236.65 | 5,177.15 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.00 | 359.80 | 6,737.00 | 5,269.37 | -2,237.00 | 5,277.15 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.00 | 359.80 | 6,737.00 | 5,369.37 | -2,237.36 | 5,377.15 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.00 | 359.80 | 6,737.00 | 5,469.37 | -2,237.72 | 5,477.15 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.00 | 359.80 | 6,737.00 | 5,569.37 | -2,238.07 | 5,577.15 | 0.00 | 0.00 | 0.00 |
| 12,678.54 | 90.00 | 359.80 | 6,737.00 | 5,647.91 | -2,238.35 | 5,655.69 | 0.00 | 0.00 | 0.00 |
| BPZ @ 12678.54ft | | | | | | | | | |
| 12,700.00 | 90.00 | 359.80 | 6,737.00 | 5,669.37 | -2,238.43 | 5,677.15 | 0.00 | 0.00 | 0.00 |
| 12,768.51 | 90.00 | 359.80 | 6,737.00 | 5,737.88 | -2,238.67 | 5,745.66 | 0.00 | 0.00 | 0.00 |
| TD Well @ 12768.51ft | | | | | | | | | |

Planning Report

| | | | |
|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KBL 1918-14H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 21' @ 4882.00usft (RIG) |
| Site: | 2N-63W-19 KBL PAD | North Reference: | True |
| Well: | KBL 1918-14H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan A | | |
| Design: | Design #1 | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|--|---------------------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | | Casing Diameter (") | Hole Diameter (") |
| 1,865.87 | 1,816.00 | 9 5/8" | | 9-5/8 | 13-1/2 |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 419.25 | 419.25 | 0.00 | 0.00 | Begin Nudge @ 419.25ft | |
| 1,472.75 | 1,449.17 | -19.29 | -190.56 | Hold Tangent @ 1472.75ft | |
| 6,397.78 | 6,044.92 | -197.60 | -1,952.15 | KOP @ 6397.78ft :: DLS = 8°/100' | |
| 7,547.80 | 6,737.00 | 517.21 | -2,220.07 | End Build/TPZ @ 7547.80ft | |
| 12,678.54 | 6,737.00 | 5,647.91 | -2,238.35 | BPZ @ 12678.54ft | |
| 12,768.51 | 6,737.00 | 5,737.88 | -2,238.67 | TD Well @ 12768.51ft | |