

VERDAD RESOURCES

**WATTENBERG FIELD
1N-64W-17 WARNER PAD
WARNER 1708-06H**

Plan B

Plan: Design #1

Standard Planning Report

24 May, 2023

Project: WATTENBERG FIELD
Site: 1N-64W-17 WARNER PAD
Well: WARNER 1708-06H
Wellbore: Plan B
Design: Design #1

VERDAD RESOURCES

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|--------|-------|
| 2120.00 | 2127.24 | 9 5/8" | 9-5/8 |

| | | | |
|------------------------------|---------------------------------|------------------------------|------------------------------|
| SHL 185' FSL 2424' FWL | LP/TPZ 460' FSL 2159' FEL | BPZ 460' FNL 2159' FEL | BHL 370' FNL 2159' FEL |
|------------------------------|---------------------------------|------------------------------|------------------------------|

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 | |
| 1117.00 | 0.00 | 0.00 | 1117.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1517.00 | 8.00 | 129.00 | 1515.70 | -17.55 | 21.67 | 2.00 | 129.00 | -17.44 | |
| 6425.16 | 8.00 | 129.00 | 6376.10 | -447.42 | 552.52 | 0.00 | 0.00 | -444.72 | |
| 7612.59 | 90.00 | 0.28 | 7150.00 | 265.63 | 640.89 | 8.00 | -128.45 | 268.76 | |
| 17398.20 | 90.00 | 0.28 | 7150.00 | 10051.13 | 689.01 | 0.00 | 0.00 | 10054.37 | WARNER 1708-06H_BHL |

DESIGN TARGET DETAILS

| Name | TVD | Northing | Easting | Latitude | Longitude |
|---------------------|---------|------------|------------|-----------|-------------|
| WARNER 1708-06H_SHL | 0.00 | 1260455.21 | 3258837.87 | 40.044634 | -104.575464 |
| WARNER 1708-06H_LP | 7150.00 | 1260727.45 | 3259475.91 | 40.045363 | -104.573175 |
| WARNER 1708-06H_BPZ | 7150.00 | 1270422.98 | 3259421.59 | 40.071979 | -104.573007 |
| WARNER 1708-06H_BHL | 7150.00 | 1270512.97 | 3259422.05 | 40.072226 | -104.573002 |

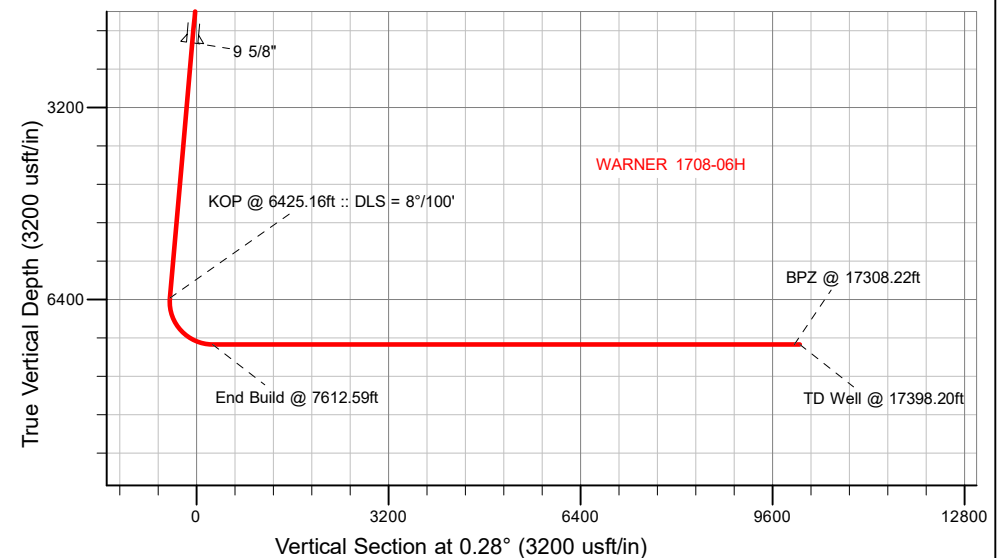
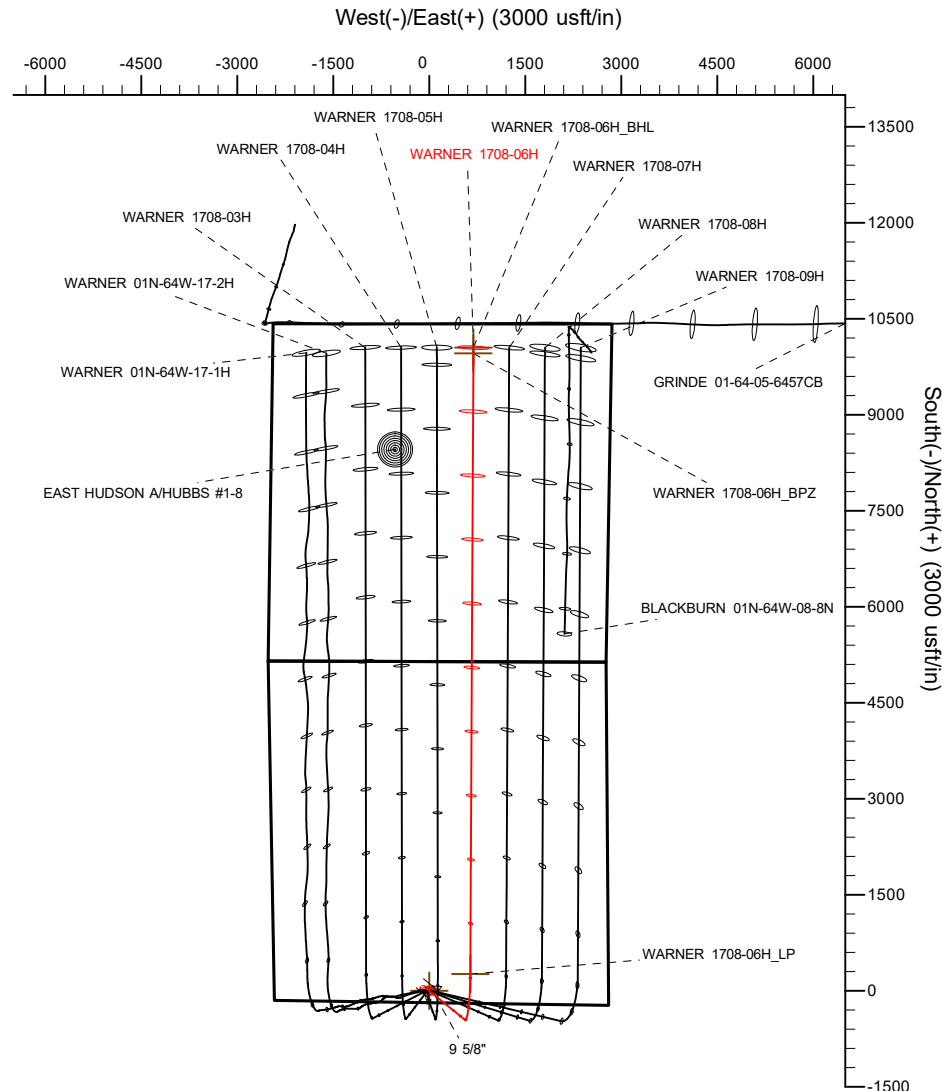
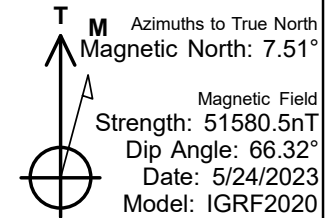
WELL DETAILS: WARNER 1708-06H

GL = 5068'

RKB = 20' @ 5088.00usft (RIG)

Plan: Design #1 (WARNER 1708-06H/Plan B)

Date: 5/25/2023



Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| 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 | | 1N-64W-17 WARNER PAD | | | |
| Site Position: | | Northing: | 1,260,479.85 usft | Latitude: | 40.044700 |
| From: | Lat/Long | Easting: | 3,258,893.90 usft | Longitude: | -104.575263 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | | |

| Well | | WARNER 1708-06H | | | | |
|----------------------|-------|-----------------|---------------------|-------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 1,260,455.21 usft | Latitude: | 40.044634 |
| | +E/-W | 0.00 usft | Easting: | 3,258,837.88 usft | Longitude: | -104.575464 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | usft | Ground Level: | 5,068.00 usft |
| Grid Convergence: | | 0.60 ° | | | | |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Plan B | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF202013 | 5/24/2023 | 7.51 | 66.32 | 51,580.53202105 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| 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 | 0.28 | |

| | | | | | |
|---------------------------------|------------------------|--------------------------|--------------------|-------------------------------|--|
| Plan Survey Tool Program | | Date | 5/24/2023 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.00 | 2,120.00 | Design #1 (Plan B) | ISCWSA MWD | |
| | | | | Fixed:v2:standard declination | |
| 2 | 2,120.00 | 17,398.20 | Design #1 (Plan B) | ISCWSA MWD | |
| | | | | Fixed:v2:standard declination | |

Planning Report

| | | | |
|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| 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 | |
| 1,117.00 | 0.00 | 0.00 | 1,117.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,517.00 | 8.00 | 129.00 | 1,515.70 | -17.55 | 21.67 | 2.00 | 2.00 | 0.00 | 129.00 | |
| 6,425.16 | 8.00 | 129.00 | 6,376.10 | -447.42 | 552.52 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,612.59 | 90.00 | 0.28 | 7,150.00 | 265.63 | 640.89 | 8.00 | 6.91 | -10.84 | -128.45 | |
| 17,398.20 | 90.00 | 0.28 | 7,150.00 | 10,051.13 | 689.01 | 0.00 | 0.00 | 0.00 | 0.00 | WARNER 1708-06H_ |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| 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 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,117.00 | 0.00 | 0.00 | 1,117.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Nudge @ 1117.00ft | | | | | | | | | |
| 1,200.00 | 1.66 | 129.00 | 1,199.99 | -0.76 | 0.93 | -0.75 | 2.00 | 2.00 | 0.00 |
| 1,300.00 | 3.66 | 129.00 | 1,299.88 | -3.68 | 4.54 | -3.65 | 2.00 | 2.00 | 0.00 |
| 1,400.00 | 5.66 | 129.00 | 1,399.54 | -8.79 | 10.85 | -8.74 | 2.00 | 2.00 | 0.00 |
| 1,500.00 | 7.66 | 129.00 | 1,498.86 | -16.09 | 19.87 | -15.99 | 2.00 | 2.00 | 0.00 |
| 1,517.00 | 8.00 | 129.00 | 1,515.70 | -17.55 | 21.67 | -17.44 | 2.00 | 2.00 | 0.00 |
| Hold Tangent @ 1517.00ft | | | | | | | | | |
| 1,600.00 | 8.00 | 129.00 | 1,597.89 | -24.81 | 30.64 | -24.66 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 8.00 | 129.00 | 1,696.92 | -33.57 | 41.46 | -33.37 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 8.00 | 129.00 | 1,795.95 | -42.33 | 52.28 | -42.08 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 8.00 | 129.00 | 1,894.97 | -51.09 | 63.09 | -50.78 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 8.00 | 129.00 | 1,994.00 | -59.85 | 73.91 | -59.49 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 8.00 | 129.00 | 2,093.03 | -68.61 | 84.72 | -68.19 | 0.00 | 0.00 | 0.00 |
| 2,127.24 | 8.00 | 129.00 | 2,120.00 | -70.99 | 87.67 | -70.56 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 2,200.00 | 8.00 | 129.00 | 2,192.05 | -77.37 | 95.54 | -76.90 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 8.00 | 129.00 | 2,291.08 | -86.12 | 106.35 | -85.60 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 8.00 | 129.00 | 2,390.11 | -94.88 | 117.17 | -94.31 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 8.00 | 129.00 | 2,489.14 | -103.64 | 127.99 | -103.01 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 8.00 | 129.00 | 2,588.16 | -112.40 | 138.80 | -111.72 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 8.00 | 129.00 | 2,687.19 | -121.16 | 149.62 | -120.43 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 8.00 | 129.00 | 2,786.22 | -129.92 | 160.43 | -129.13 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 8.00 | 129.00 | 2,885.24 | -138.67 | 171.25 | -137.84 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 8.00 | 129.00 | 2,984.27 | -147.43 | 182.06 | -146.54 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 8.00 | 129.00 | 3,083.30 | -156.19 | 192.88 | -155.25 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 8.00 | 129.00 | 3,182.32 | -164.95 | 203.70 | -163.95 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 8.00 | 129.00 | 3,281.35 | -173.71 | 214.51 | -172.66 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 8.00 | 129.00 | 3,380.38 | -182.47 | 225.33 | -181.36 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 8.00 | 129.00 | 3,479.40 | -191.23 | 236.14 | -190.07 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 8.00 | 129.00 | 3,578.43 | -199.98 | 246.96 | -198.77 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 8.00 | 129.00 | 3,677.46 | -208.74 | 257.78 | -207.48 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 8.00 | 129.00 | 3,776.48 | -217.50 | 268.59 | -216.19 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 8.00 | 129.00 | 3,875.51 | -226.26 | 279.41 | -224.89 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 8.00 | 129.00 | 3,974.54 | -235.02 | 290.22 | -233.60 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 8.00 | 129.00 | 4,073.56 | -243.78 | 301.04 | -242.30 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 8.00 | 129.00 | 4,172.59 | -252.53 | 311.85 | -251.01 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 8.00 | 129.00 | 4,271.62 | -261.29 | 322.67 | -259.71 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 8.00 | 129.00 | 4,370.64 | -270.05 | 333.49 | -268.42 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 8.00 | 129.00 | 4,469.67 | -278.81 | 344.30 | -277.12 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 8.00 | 129.00 | 4,568.70 | -287.57 | 355.12 | -285.83 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| 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 | 8.00 | 129.00 | 4,667.72 | -296.33 | 365.93 | -294.53 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 8.00 | 129.00 | 4,766.75 | -305.09 | 376.75 | -303.24 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 8.00 | 129.00 | 4,865.78 | -313.84 | 387.56 | -311.95 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 8.00 | 129.00 | 4,964.81 | -322.60 | 398.38 | -320.65 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 8.00 | 129.00 | 5,063.83 | -331.36 | 409.20 | -329.36 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 8.00 | 129.00 | 5,162.86 | -340.12 | 420.01 | -338.06 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 8.00 | 129.00 | 5,261.89 | -348.88 | 430.83 | -346.77 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 8.00 | 129.00 | 5,360.91 | -357.64 | 441.64 | -355.47 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 8.00 | 129.00 | 5,459.94 | -366.39 | 452.46 | -364.18 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 8.00 | 129.00 | 5,558.97 | -375.15 | 463.28 | -372.88 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 8.00 | 129.00 | 5,657.99 | -383.91 | 474.09 | -381.59 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 8.00 | 129.00 | 5,757.02 | -392.67 | 484.91 | -390.30 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 8.00 | 129.00 | 5,856.05 | -401.43 | 495.72 | -399.00 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 8.00 | 129.00 | 5,955.07 | -410.19 | 506.54 | -407.71 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 8.00 | 129.00 | 6,054.10 | -418.95 | 517.35 | -416.41 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 8.00 | 129.00 | 6,153.13 | -427.70 | 528.17 | -425.12 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 8.00 | 129.00 | 6,252.15 | -436.46 | 538.99 | -433.82 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 8.00 | 129.00 | 6,351.18 | -445.22 | 549.80 | -442.53 | 0.00 | 0.00 | 0.00 |
| 6,425.16 | 8.00 | 129.00 | 6,376.10 | -447.42 | 552.52 | -444.72 | 0.00 | 0.00 | 0.00 |
| KOP @ 6425.16ft :: DLS = 8°/100' | | | | | | | | | |
| 6,450.00 | 6.94 | 116.01 | 6,400.73 | -449.17 | 555.21 | -446.45 | 8.00 | -4.27 | -52.29 |
| 6,500.00 | 6.34 | 81.24 | 6,450.41 | -450.08 | 560.66 | -447.33 | 8.00 | -1.21 | -69.53 |
| 6,550.00 | 8.00 | 51.57 | 6,500.03 | -447.49 | 566.11 | -444.72 | 8.00 | 3.33 | -59.35 |
| 6,600.00 | 10.94 | 34.84 | 6,549.36 | -441.43 | 571.55 | -438.63 | 8.00 | 5.88 | -33.46 |
| 6,650.00 | 14.40 | 25.57 | 6,598.14 | -431.93 | 576.95 | -429.10 | 8.00 | 6.91 | -18.54 |
| 6,700.00 | 18.08 | 19.91 | 6,646.14 | -419.02 | 582.27 | -416.17 | 8.00 | 7.36 | -11.31 |
| 6,750.00 | 21.87 | 16.14 | 6,693.12 | -402.78 | 587.51 | -399.90 | 8.00 | 7.58 | -7.55 |
| 6,800.00 | 25.72 | 13.44 | 6,738.87 | -383.27 | 592.62 | -380.37 | 8.00 | 7.70 | -5.39 |
| 6,850.00 | 29.60 | 11.41 | 6,783.15 | -360.61 | 597.58 | -357.68 | 8.00 | 7.78 | -4.07 |
| 6,900.00 | 33.52 | 9.81 | 6,825.74 | -334.89 | 602.38 | -331.94 | 8.00 | 7.82 | -3.19 |
| 6,950.00 | 37.44 | 8.51 | 6,866.45 | -306.24 | 606.99 | -303.27 | 8.00 | 7.86 | -2.60 |
| 7,000.00 | 41.38 | 7.43 | 6,905.07 | -274.81 | 611.38 | -271.82 | 8.00 | 7.88 | -2.17 |
| 7,050.00 | 45.33 | 6.50 | 6,941.42 | -240.74 | 615.53 | -237.73 | 8.00 | 7.90 | -1.85 |
| 7,100.00 | 49.29 | 5.70 | 6,975.32 | -204.20 | 619.43 | -201.17 | 8.00 | 7.91 | -1.62 |
| 7,150.00 | 53.25 | 4.98 | 7,006.59 | -165.38 | 623.05 | -162.33 | 8.00 | 7.92 | -1.43 |
| 7,200.00 | 57.21 | 4.33 | 7,035.10 | -124.45 | 626.37 | -121.38 | 8.00 | 7.93 | -1.29 |
| 7,250.00 | 61.18 | 3.74 | 7,060.70 | -81.61 | 629.39 | -78.54 | 8.00 | 7.94 | -1.18 |
| 7,300.00 | 65.15 | 3.19 | 7,083.26 | -37.09 | 632.09 | -34.00 | 8.00 | 7.94 | -1.10 |
| 7,350.00 | 69.12 | 2.68 | 7,102.68 | 8.92 | 634.44 | 12.02 | 8.00 | 7.94 | -1.03 |
| 7,400.00 | 73.10 | 2.19 | 7,118.87 | 56.17 | 636.45 | 59.28 | 8.00 | 7.95 | -0.97 |
| 7,450.00 | 77.07 | 1.72 | 7,131.73 | 104.45 | 638.10 | 107.57 | 8.00 | 7.95 | -0.93 |
| 7,500.00 | 81.05 | 1.27 | 7,141.22 | 153.51 | 639.38 | 156.64 | 8.00 | 7.95 | -0.90 |
| 7,550.00 | 85.02 | 0.83 | 7,147.28 | 203.13 | 640.29 | 206.25 | 8.00 | 7.95 | -0.89 |
| 7,600.00 | 89.00 | 0.39 | 7,149.89 | 253.04 | 640.82 | 256.17 | 8.00 | 7.95 | -0.87 |
| 7,612.59 | 90.00 | 0.28 | 7,150.00 | 265.63 | 640.89 | 268.76 | 8.00 | 7.95 | -0.87 |
| End Build @ 7612.59ft | | | | | | | | | |
| 7,700.00 | 90.00 | 0.28 | 7,150.00 | 353.04 | 641.32 | 356.17 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.00 | 0.28 | 7,150.00 | 453.04 | 641.81 | 456.17 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.00 | 0.28 | 7,150.00 | 553.04 | 642.30 | 556.17 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.00 | 0.28 | 7,150.00 | 653.04 | 642.80 | 656.17 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.00 | 0.28 | 7,150.00 | 753.04 | 643.29 | 756.17 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.00 | 0.28 | 7,150.00 | 853.04 | 643.78 | 856.17 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.00 | 0.28 | 7,150.00 | 953.04 | 644.27 | 956.17 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.00 | 0.28 | 7,150.00 | 1,053.03 | 644.76 | 1,056.17 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| 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) | |
| 8,500.00 | 90.00 | 0.28 | 7,150.00 | 1,153.03 | 645.26 | 1,156.17 | 0.00 | 0.00 | 0.00 | |
| 8,600.00 | 90.00 | 0.28 | 7,150.00 | 1,253.03 | 645.75 | 1,256.17 | 0.00 | 0.00 | 0.00 | |
| 8,700.00 | 90.00 | 0.28 | 7,150.00 | 1,353.03 | 646.24 | 1,356.17 | 0.00 | 0.00 | 0.00 | |
| 8,800.00 | 90.00 | 0.28 | 7,150.00 | 1,453.03 | 646.73 | 1,456.17 | 0.00 | 0.00 | 0.00 | |
| 8,900.00 | 90.00 | 0.28 | 7,150.00 | 1,553.03 | 647.22 | 1,556.17 | 0.00 | 0.00 | 0.00 | |
| 9,000.00 | 90.00 | 0.28 | 7,150.00 | 1,653.03 | 647.71 | 1,656.17 | 0.00 | 0.00 | 0.00 | |
| 9,100.00 | 90.00 | 0.28 | 7,150.00 | 1,753.03 | 648.21 | 1,756.17 | 0.00 | 0.00 | 0.00 | |
| 9,200.00 | 90.00 | 0.28 | 7,150.00 | 1,853.02 | 648.70 | 1,856.17 | 0.00 | 0.00 | 0.00 | |
| 9,300.00 | 90.00 | 0.28 | 7,150.00 | 1,953.02 | 649.19 | 1,956.17 | 0.00 | 0.00 | 0.00 | |
| 9,400.00 | 90.00 | 0.28 | 7,150.00 | 2,053.02 | 649.68 | 2,056.17 | 0.00 | 0.00 | 0.00 | |
| 9,500.00 | 90.00 | 0.28 | 7,150.00 | 2,153.02 | 650.17 | 2,156.17 | 0.00 | 0.00 | 0.00 | |
| 9,600.00 | 90.00 | 0.28 | 7,150.00 | 2,253.02 | 650.66 | 2,256.17 | 0.00 | 0.00 | 0.00 | |
| 9,700.00 | 90.00 | 0.28 | 7,150.00 | 2,353.02 | 651.16 | 2,356.17 | 0.00 | 0.00 | 0.00 | |
| 9,800.00 | 90.00 | 0.28 | 7,150.00 | 2,453.02 | 651.65 | 2,456.17 | 0.00 | 0.00 | 0.00 | |
| 9,900.00 | 90.00 | 0.28 | 7,150.00 | 2,553.02 | 652.14 | 2,556.17 | 0.00 | 0.00 | 0.00 | |
| 10,000.00 | 90.00 | 0.28 | 7,150.00 | 2,653.01 | 652.63 | 2,656.17 | 0.00 | 0.00 | 0.00 | |
| 10,100.00 | 90.00 | 0.28 | 7,150.00 | 2,753.01 | 653.12 | 2,756.17 | 0.00 | 0.00 | 0.00 | |
| 10,200.00 | 90.00 | 0.28 | 7,150.00 | 2,853.01 | 653.61 | 2,856.17 | 0.00 | 0.00 | 0.00 | |
| 10,300.00 | 90.00 | 0.28 | 7,150.00 | 2,953.01 | 654.11 | 2,956.17 | 0.00 | 0.00 | 0.00 | |
| 10,400.00 | 90.00 | 0.28 | 7,150.00 | 3,053.01 | 654.60 | 3,056.17 | 0.00 | 0.00 | 0.00 | |
| 10,500.00 | 90.00 | 0.28 | 7,150.00 | 3,153.01 | 655.09 | 3,156.17 | 0.00 | 0.00 | 0.00 | |
| 10,600.00 | 90.00 | 0.28 | 7,150.00 | 3,253.01 | 655.58 | 3,256.17 | 0.00 | 0.00 | 0.00 | |
| 10,700.00 | 90.00 | 0.28 | 7,150.00 | 3,353.01 | 656.07 | 3,356.17 | 0.00 | 0.00 | 0.00 | |
| 10,800.00 | 90.00 | 0.28 | 7,150.00 | 3,453.00 | 656.56 | 3,456.17 | 0.00 | 0.00 | 0.00 | |
| 10,900.00 | 90.00 | 0.28 | 7,150.00 | 3,553.00 | 657.06 | 3,556.17 | 0.00 | 0.00 | 0.00 | |
| 11,000.00 | 90.00 | 0.28 | 7,150.00 | 3,653.00 | 657.55 | 3,656.17 | 0.00 | 0.00 | 0.00 | |
| 11,100.00 | 90.00 | 0.28 | 7,150.00 | 3,753.00 | 658.04 | 3,756.17 | 0.00 | 0.00 | 0.00 | |
| 11,200.00 | 90.00 | 0.28 | 7,150.00 | 3,853.00 | 658.53 | 3,856.17 | 0.00 | 0.00 | 0.00 | |
| 11,300.00 | 90.00 | 0.28 | 7,150.00 | 3,953.00 | 659.02 | 3,956.17 | 0.00 | 0.00 | 0.00 | |
| 11,400.00 | 90.00 | 0.28 | 7,150.00 | 4,053.00 | 659.51 | 4,056.17 | 0.00 | 0.00 | 0.00 | |
| 11,500.00 | 90.00 | 0.28 | 7,150.00 | 4,153.00 | 660.01 | 4,156.17 | 0.00 | 0.00 | 0.00 | |
| 11,600.00 | 90.00 | 0.28 | 7,150.00 | 4,253.00 | 660.50 | 4,256.17 | 0.00 | 0.00 | 0.00 | |
| 11,700.00 | 90.00 | 0.28 | 7,150.00 | 4,352.99 | 660.99 | 4,356.17 | 0.00 | 0.00 | 0.00 | |
| 11,800.00 | 90.00 | 0.28 | 7,150.00 | 4,452.99 | 661.48 | 4,456.17 | 0.00 | 0.00 | 0.00 | |
| 11,900.00 | 90.00 | 0.28 | 7,150.00 | 4,552.99 | 661.97 | 4,556.17 | 0.00 | 0.00 | 0.00 | |
| 12,000.00 | 90.00 | 0.28 | 7,150.00 | 4,652.99 | 662.46 | 4,656.17 | 0.00 | 0.00 | 0.00 | |
| 12,100.00 | 90.00 | 0.28 | 7,150.00 | 4,752.99 | 662.96 | 4,756.17 | 0.00 | 0.00 | 0.00 | |
| 12,200.00 | 90.00 | 0.28 | 7,150.00 | 4,852.99 | 663.45 | 4,856.17 | 0.00 | 0.00 | 0.00 | |
| 12,300.00 | 90.00 | 0.28 | 7,150.00 | 4,952.99 | 663.94 | 4,956.17 | 0.00 | 0.00 | 0.00 | |
| 12,400.00 | 90.00 | 0.28 | 7,150.00 | 5,052.99 | 664.43 | 5,056.17 | 0.00 | 0.00 | 0.00 | |
| 12,500.00 | 90.00 | 0.28 | 7,150.00 | 5,152.98 | 664.92 | 5,156.17 | 0.00 | 0.00 | 0.00 | |
| 12,600.00 | 90.00 | 0.28 | 7,150.00 | 5,252.98 | 665.41 | 5,256.17 | 0.00 | 0.00 | 0.00 | |
| 12,700.00 | 90.00 | 0.28 | 7,150.00 | 5,352.98 | 665.91 | 5,356.17 | 0.00 | 0.00 | 0.00 | |
| 12,800.00 | 90.00 | 0.28 | 7,150.00 | 5,452.98 | 666.40 | 5,456.17 | 0.00 | 0.00 | 0.00 | |
| 12,900.00 | 90.00 | 0.28 | 7,150.00 | 5,552.98 | 666.89 | 5,556.17 | 0.00 | 0.00 | 0.00 | |
| 13,000.00 | 90.00 | 0.28 | 7,150.00 | 5,652.98 | 667.38 | 5,656.17 | 0.00 | 0.00 | 0.00 | |
| 13,100.00 | 90.00 | 0.28 | 7,150.00 | 5,752.98 | 667.87 | 5,756.17 | 0.00 | 0.00 | 0.00 | |
| 13,200.00 | 90.00 | 0.28 | 7,150.00 | 5,852.98 | 668.37 | 5,856.17 | 0.00 | 0.00 | 0.00 | |
| 13,300.00 | 90.00 | 0.28 | 7,150.00 | 5,952.97 | 668.86 | 5,956.17 | 0.00 | 0.00 | 0.00 | |
| 13,400.00 | 90.00 | 0.28 | 7,150.00 | 6,052.97 | 669.35 | 6,056.17 | 0.00 | 0.00 | 0.00 | |
| 13,500.00 | 90.00 | 0.28 | 7,150.00 | 6,152.97 | 669.84 | 6,156.17 | 0.00 | 0.00 | 0.00 | |
| 13,600.00 | 90.00 | 0.28 | 7,150.00 | 6,252.97 | 670.33 | 6,256.17 | 0.00 | 0.00 | 0.00 | |
| 13,700.00 | 90.00 | 0.28 | 7,150.00 | 6,352.97 | 670.82 | 6,356.17 | 0.00 | 0.00 | 0.00 | |
| 13,800.00 | 90.00 | 0.28 | 7,150.00 | 6,452.97 | 671.32 | 6,456.17 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| 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) |
| 13,900.00 | 90.00 | 0.28 | 7,150.00 | 6,552.97 | 671.81 | 6,556.17 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.00 | 0.28 | 7,150.00 | 6,652.97 | 672.30 | 6,656.17 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.00 | 0.28 | 7,150.00 | 6,752.97 | 672.79 | 6,756.17 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.00 | 0.28 | 7,150.00 | 6,852.96 | 673.28 | 6,856.17 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.00 | 0.28 | 7,150.00 | 6,952.96 | 673.77 | 6,956.17 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.00 | 0.28 | 7,150.00 | 7,052.96 | 674.27 | 7,056.17 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.00 | 0.28 | 7,150.00 | 7,152.96 | 674.76 | 7,156.17 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.00 | 0.28 | 7,150.00 | 7,252.96 | 675.25 | 7,256.17 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.00 | 0.28 | 7,150.00 | 7,352.96 | 675.74 | 7,356.17 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.00 | 0.28 | 7,150.00 | 7,452.96 | 676.23 | 7,456.17 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.00 | 0.28 | 7,150.00 | 7,552.96 | 676.72 | 7,556.17 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.00 | 0.28 | 7,150.00 | 7,652.95 | 677.22 | 7,656.17 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 90.00 | 0.28 | 7,150.00 | 7,752.95 | 677.71 | 7,756.17 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 90.00 | 0.28 | 7,150.00 | 7,852.95 | 678.20 | 7,856.17 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 90.00 | 0.28 | 7,150.00 | 7,952.95 | 678.69 | 7,956.17 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.00 | 0.28 | 7,150.00 | 8,052.95 | 679.18 | 8,056.17 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.00 | 0.28 | 7,150.00 | 8,152.95 | 679.67 | 8,156.17 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.00 | 0.28 | 7,150.00 | 8,252.95 | 680.17 | 8,256.17 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.00 | 0.28 | 7,150.00 | 8,352.95 | 680.66 | 8,356.17 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.00 | 0.28 | 7,150.00 | 8,452.94 | 681.15 | 8,456.17 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.00 | 0.28 | 7,150.00 | 8,552.94 | 681.64 | 8,556.17 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.00 | 0.28 | 7,150.00 | 8,652.94 | 682.13 | 8,656.17 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 90.00 | 0.28 | 7,150.00 | 8,752.94 | 682.62 | 8,756.17 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 90.00 | 0.28 | 7,150.00 | 8,852.94 | 683.12 | 8,856.17 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.00 | 0.28 | 7,150.00 | 8,952.94 | 683.61 | 8,956.17 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.00 | 0.28 | 7,150.00 | 9,052.94 | 684.10 | 9,056.17 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 90.00 | 0.28 | 7,150.00 | 9,152.94 | 684.59 | 9,156.17 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 90.00 | 0.28 | 7,150.00 | 9,252.93 | 685.08 | 9,256.17 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 90.00 | 0.28 | 7,150.00 | 9,352.93 | 685.57 | 9,356.17 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 90.00 | 0.28 | 7,150.00 | 9,452.93 | 686.07 | 9,456.17 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 90.00 | 0.28 | 7,150.00 | 9,552.93 | 686.56 | 9,556.17 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.00 | 0.28 | 7,150.00 | 9,652.93 | 687.05 | 9,656.17 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 90.00 | 0.28 | 7,150.00 | 9,752.93 | 687.54 | 9,756.17 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.00 | 0.28 | 7,150.00 | 9,852.93 | 688.03 | 9,856.17 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.00 | 0.28 | 7,150.00 | 9,952.93 | 688.52 | 9,956.17 | 0.00 | 0.00 | 0.00 |
| 17,308.22 | 90.00 | 0.28 | 7,150.00 | 9,961.15 | 688.57 | 9,964.39 | 0.00 | 0.00 | 0.00 |
| BPZ @ 17308.22ft | | | | | | | | | |
| 17,398.20 | 90.00 | 0.28 | 7,150.00 | 10,051.13 | 689.01 | 10,054.37 | 0.00 | 0.00 | 0.00 |
| TD Well @ 17398.20ft | | | | | | | | | |

| Casing Points | | | | |
|-----------------------|-----------------------|--------|---------------------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
| 2,127.24 | 2,120.00 | 9 5/8" | 9-5/8 | 13-1/2 |

Planning Report

| | | | |
|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well WARNER 1708-06H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 5088.00usft (RIG) |
| Site: | 1N-64W-17 WARNER PAD | North Reference: | True |
| Well: | WARNER 1708-06H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Plan B | | |
| Design: | Design #1 | | |

| Plan Annotations | | | | |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 1,117.00 | 1,117.00 | 0.00 | 0.00 | Begin Nudge @ 1117.00ft |
| 1,517.00 | 1,515.70 | -17.55 | 21.67 | Hold Tangent @ 1517.00ft |
| 6,425.16 | 6,376.10 | -447.42 | 552.52 | KOP @ 6425.16ft :: DLS = 8"/100' |
| 7,612.59 | 7,150.00 | 265.63 | 640.89 | End Build @ 7612.59ft |
| 17,308.22 | 7,150.00 | 9,961.15 | 688.57 | BPZ @ 17308.22ft |
| 17,398.20 | 7,150.00 | 10,051.13 | 689.01 | TD Well @ 17398.20ft |