

VERDAD RESOURCES

**WATTENBERG FIELD
2N-64W-32 KIWI 2920 PAD
KIWI 2929-08H**

Wellbore #1

Plan: Design #2

Standard Planning Report

20 December, 2022

Project: WATTENBERG FIELD
Site: 2N-64W-32 KIWI 2920 PAD
Well: KIWI 2929-08H
Wellbore: Wellbore #1
Design: Design #2

VERDAD RESOURCES

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|--------|-------|
| 2486.00 | 2606.04 | 9 5/8" | 9-5/8 |

SHL
1956' FNL
2593' FEL

LP/TPZ
460' FSL
1018' FEL

BPZ
460' FNL
1022' FEL

BHL
370' FNL
1022' 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 | |
| 228.30 | 0.00 | 0.00 | 228.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1329.30 | 22.02 | 39.77 | 1302.40 | 160.62 | 133.68 | 2.00 | 39.77 | 159.69 | |
| 6996.44 | 22.02 | 39.77 | 6556.14 | 1793.77 | 1492.92 | 0.00 | 0.00 | 1783.30 | |
| 7817.47 | 90.00 | 357.50 | 7000.00 | 2410.08 | 1586.87 | 9.00 | -44.44 | 2398.95 | |
| 7917.47 | 90.00 | 357.50 | 7000.00 | 2509.99 | 1582.51 | 0.00 | 0.00 | 2498.88 | |
| 8026.21 | 90.00 | 359.67 | 7000.00 | 2618.70 | 1579.83 | 2.00 | 90.00 | 2607.60 | |
| 12245.05 | 90.00 | 359.67 | 7000.00 | 6837.47 | 1555.90 | 0.00 | 0.00 | 6826.44 | KIWI 2929-08H_BHL |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | Northing | Easting | Latitude | Longitude |
|----------------------|---------|------------|------------|-----------|-------------|
| KIWI 2929-08H_SHL | 0.00 | 1279507.56 | 3258837.14 | 40.096933 | -104.574757 |
| KIWI 2929-08H_LP/TPZ | 7000.00 | 1281934.00 | 3260398.76 | 40.103549 | -104.569084 |
| KIWI 2929-08H_BPZ | 7000.00 | 1286270.91 | 3260323.17 | 40.115456 | -104.569191 |
| KIWI 2929-08H_BHL | 7000.00 | 1286360.89 | 3260321.61 | 40.115703 | -104.569193 |

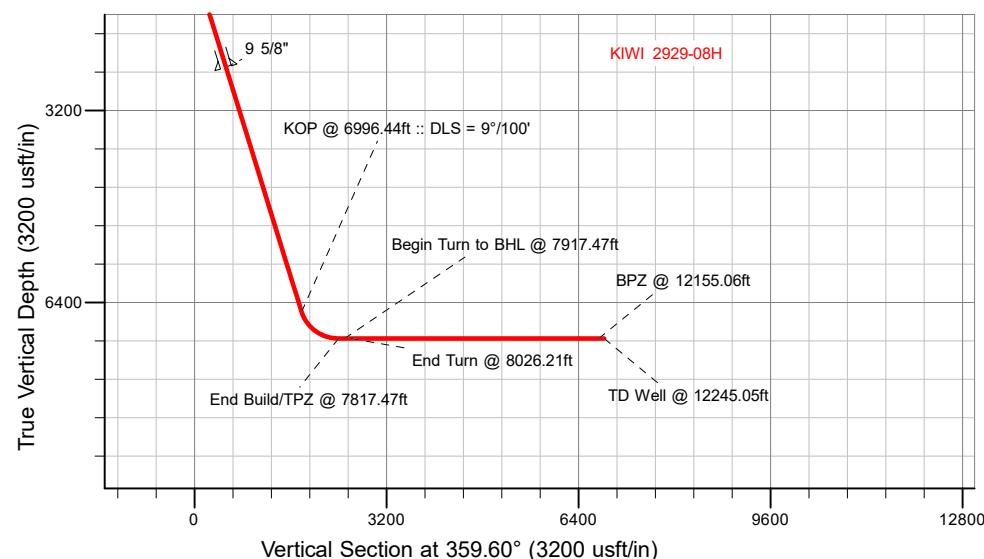
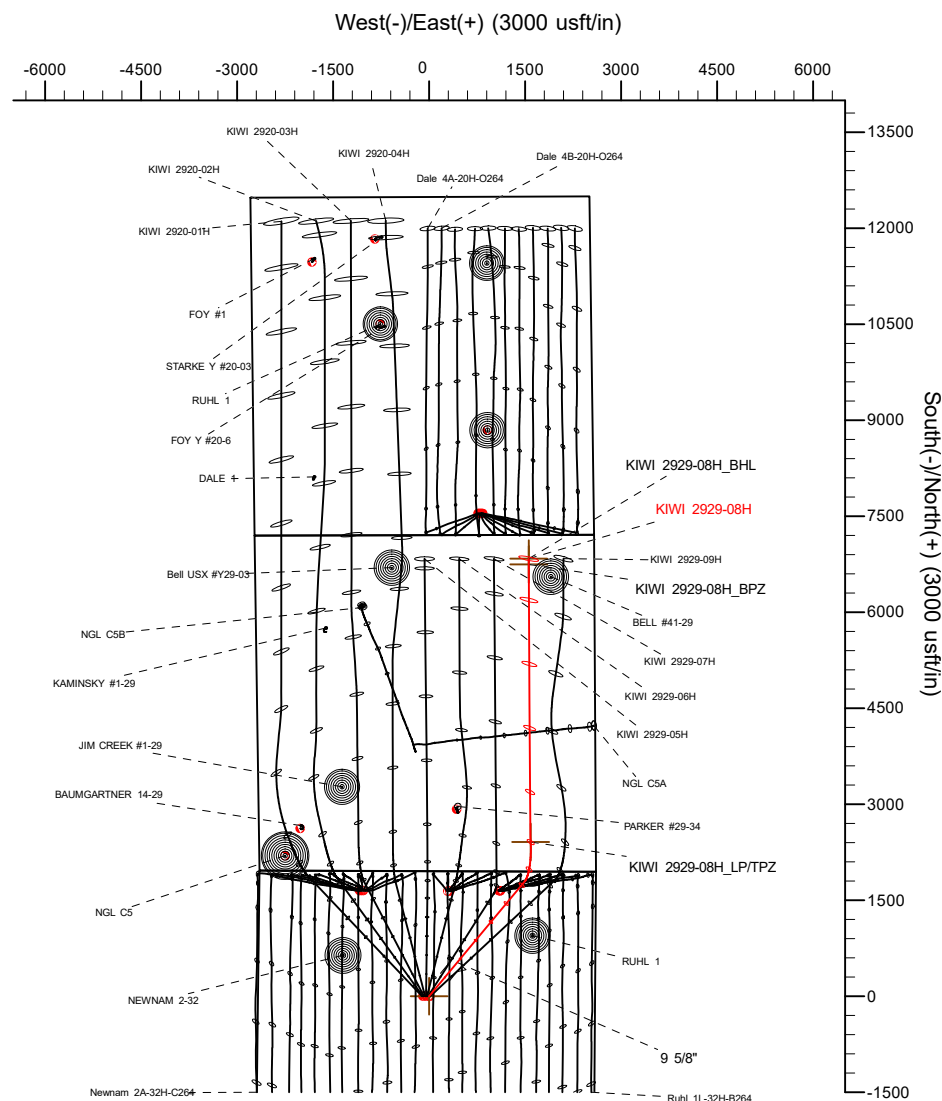
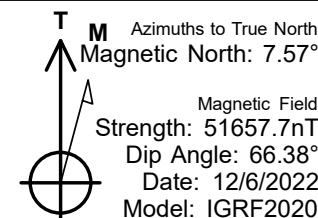
WELL DETAILS: KIWI 2929-08H

GL = 4971'

RKB = 20' @ 4991.00usft (RIG)

Plan: Design #2 (KIWI 2929-08H/Wellbore #1)

Date: 12/16/2022



Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KIWI 2929-08H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Site: | 2N-64W-32 KIWI 2920 PAD | North Reference: | True |
| Well: | KIWI 2929-08H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #2 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| 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-64W-32 KIWI 2920 PAD | | | | |
| Site Position: | | Northing: | 1,279,507.68 | usft | Latitude: | 40.096937 |
| From: | Map | Easting: | 3,258,725.14 | usft | Longitude: | -104.575157 |
| Position Uncertainty: | | 0.00 | usft | Slot Radius: | 13-3/16 " | |

| Well | | KIWI 2929-08H | | | | |
|----------------------|-------|---------------|---------------------|-------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 1,279,507.55 usft | Latitude: | 40.096933 |
| | +E/-W | 0.00 usft | Easting: | 3,258,837.14 usft | Longitude: | -104.574757 |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | usft | Ground Level: | 4,971.00 usft |
| Grid Convergence: | | 0.60 ° | | | | |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF202013 | 12/6/2022 | 7.57 | 66.38 | 51,657.74327104 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| Design | Design #2 | | | | |
| 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 | 359.60 | |

| | | | | | |
|---------------------------------|------------------------|--------------------------|-------------------------|-------------------------------|--|
| Plan Survey Tool Program | Date | 12/15/2022 | | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.00 | 2,486.00 | Design #2 (Wellbore #1) | ISCWSA MWD | |
| | | | | Fixed:v2:standard declination | |
| 2 | 2,486.00 | 12,245.05 | Design #2 (Wellbore #1) | ISCWSA MWD | |
| | | | | Fixed:v2:standard declination | |

Planning Report

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|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KIWI 2929-08H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Site: | 2N-64W-32 KIWI 2920 PAD | North Reference: | True |
| Well: | KIWI 2929-08H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #2 | | |

| 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 | |
| 228.30 | 0.00 | 0.00 | 228.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,329.30 | 22.02 | 39.77 | 1,302.40 | 160.62 | 133.68 | 2.00 | 2.00 | 0.00 | 39.77 | |
| 6,996.44 | 22.02 | 39.77 | 6,556.14 | 1,793.77 | 1,492.92 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,817.47 | 90.00 | 357.50 | 7,000.00 | 2,410.08 | 1,586.87 | 9.00 | 8.28 | -5.15 | -44.44 | |
| 7,917.47 | 90.00 | 357.50 | 7,000.00 | 2,509.99 | 1,582.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,026.21 | 90.00 | 359.67 | 7,000.00 | 2,618.70 | 1,579.83 | 2.00 | 0.00 | 2.00 | 90.00 | |
| 12,245.06 | 90.00 | 359.67 | 7,000.00 | 6,837.47 | 1,555.90 | 0.00 | 0.00 | 0.00 | 0.00 | KIWI 2929-08H_BHL |

Planning Report

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|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KIWI 2929-08H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Site: | 2N-64W-32 KIWI 2920 PAD | North Reference: | True |
| Well: | KIWI 2929-08H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #2 | | |

| 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 |
| 228.30 | 0.00 | 0.00 | 228.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Nudge @ 228.30ft | | | | | | | | | |
| 300.00 | 1.43 | 39.77 | 299.99 | 0.69 | 0.57 | 0.69 | 2.00 | 2.00 | 0.00 |
| 400.00 | 3.43 | 39.77 | 399.90 | 3.95 | 3.29 | 3.93 | 2.00 | 2.00 | 0.00 |
| 500.00 | 5.43 | 39.77 | 499.59 | 9.90 | 8.24 | 9.84 | 2.00 | 2.00 | 0.00 |
| 600.00 | 7.43 | 39.77 | 598.96 | 18.51 | 15.40 | 18.40 | 2.00 | 2.00 | 0.00 |
| 700.00 | 9.43 | 39.77 | 697.87 | 29.78 | 24.79 | 29.61 | 2.00 | 2.00 | 0.00 |
| 800.00 | 11.43 | 39.77 | 796.21 | 43.70 | 36.37 | 43.45 | 2.00 | 2.00 | 0.00 |
| 900.00 | 13.43 | 39.77 | 893.86 | 60.25 | 50.14 | 59.90 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 15.43 | 39.77 | 990.70 | 79.41 | 66.09 | 78.94 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 17.43 | 39.77 | 1,086.61 | 101.15 | 84.19 | 100.56 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 19.43 | 39.77 | 1,181.47 | 125.45 | 104.41 | 124.72 | 2.00 | 2.00 | 0.00 |
| 1,300.00 | 21.43 | 39.77 | 1,275.18 | 152.29 | 126.75 | 151.40 | 2.00 | 2.00 | 0.00 |
| 1,329.30 | 22.02 | 39.77 | 1,302.40 | 160.62 | 133.68 | 159.69 | 2.00 | 2.00 | 0.00 |
| Hold Tangent @ 1329.30ft | | | | | | | | | |
| 1,400.00 | 22.02 | 39.77 | 1,367.94 | 181.00 | 150.64 | 179.94 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 22.02 | 39.77 | 1,460.64 | 209.82 | 174.63 | 208.59 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 22.02 | 39.77 | 1,553.35 | 238.63 | 198.61 | 237.24 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 22.02 | 39.77 | 1,646.05 | 267.45 | 222.60 | 265.89 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 22.02 | 39.77 | 1,738.76 | 296.27 | 246.58 | 294.54 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 22.02 | 39.77 | 1,831.47 | 325.09 | 270.56 | 323.19 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 22.02 | 39.77 | 1,924.17 | 353.91 | 294.55 | 351.84 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 22.02 | 39.77 | 2,016.88 | 382.72 | 318.53 | 380.49 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 22.02 | 39.77 | 2,109.58 | 411.54 | 342.52 | 409.14 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 22.02 | 39.77 | 2,202.29 | 440.36 | 366.50 | 437.79 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 22.02 | 39.77 | 2,294.99 | 469.18 | 390.49 | 466.44 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 22.02 | 39.77 | 2,387.70 | 497.99 | 414.47 | 495.09 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 22.02 | 39.77 | 2,480.40 | 526.81 | 438.46 | 523.74 | 0.00 | 0.00 | 0.00 |
| 2,606.04 | 22.02 | 39.77 | 2,486.00 | 528.55 | 439.90 | 525.47 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 2,700.00 | 22.02 | 39.77 | 2,573.11 | 555.63 | 462.44 | 552.39 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 22.02 | 39.77 | 2,665.81 | 584.45 | 486.43 | 581.04 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 22.02 | 39.77 | 2,758.52 | 613.27 | 510.41 | 609.69 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 22.02 | 39.77 | 2,851.22 | 642.08 | 534.39 | 638.34 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 22.02 | 39.77 | 2,943.93 | 670.90 | 558.38 | 666.99 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 22.02 | 39.77 | 3,036.63 | 699.72 | 582.36 | 695.64 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 22.02 | 39.77 | 3,129.34 | 728.54 | 606.35 | 724.29 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 22.02 | 39.77 | 3,222.04 | 757.35 | 630.33 | 752.94 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 22.02 | 39.77 | 3,314.75 | 786.17 | 654.32 | 781.59 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 22.02 | 39.77 | 3,407.46 | 814.99 | 678.30 | 810.24 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 22.02 | 39.77 | 3,500.16 | 843.81 | 702.29 | 838.89 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 22.02 | 39.77 | 3,592.87 | 872.63 | 726.27 | 867.53 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 22.02 | 39.77 | 3,685.57 | 901.44 | 750.26 | 896.18 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 22.02 | 39.77 | 3,778.28 | 930.26 | 774.24 | 924.83 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 22.02 | 39.77 | 3,870.98 | 959.08 | 798.22 | 953.48 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 22.02 | 39.77 | 3,963.69 | 987.90 | 822.21 | 982.13 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 22.02 | 39.77 | 4,056.39 | 1,016.72 | 846.19 | 1,010.78 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 22.02 | 39.77 | 4,149.10 | 1,045.53 | 870.18 | 1,039.43 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 22.02 | 39.77 | 4,241.80 | 1,074.35 | 894.16 | 1,068.08 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 22.02 | 39.77 | 4,334.51 | 1,103.17 | 918.15 | 1,096.73 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KIWI 2929-08H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Site: | 2N-64W-32 KIWI 2920 PAD | North Reference: | True |
| Well: | KIWI 2929-08H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #2 | | |

| 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 | 22.02 | 39.77 | 4,427.21 | 1,131.99 | 942.13 | 1,125.38 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 22.02 | 39.77 | 4,519.92 | 1,160.80 | 966.12 | 1,154.03 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 22.02 | 39.77 | 4,612.62 | 1,189.62 | 990.10 | 1,182.68 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 22.02 | 39.77 | 4,705.33 | 1,218.44 | 1,014.09 | 1,211.33 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 22.02 | 39.77 | 4,798.03 | 1,247.26 | 1,038.07 | 1,239.98 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 22.02 | 39.77 | 4,890.74 | 1,276.08 | 1,062.05 | 1,268.63 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 22.02 | 39.77 | 4,983.45 | 1,304.89 | 1,086.04 | 1,297.28 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 22.02 | 39.77 | 5,076.15 | 1,333.71 | 1,110.02 | 1,325.93 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 22.02 | 39.77 | 5,168.86 | 1,362.53 | 1,134.01 | 1,354.58 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 22.02 | 39.77 | 5,261.56 | 1,391.35 | 1,157.99 | 1,383.23 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 22.02 | 39.77 | 5,354.27 | 1,420.17 | 1,181.98 | 1,411.88 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 22.02 | 39.77 | 5,446.97 | 1,448.98 | 1,205.96 | 1,440.53 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 22.02 | 39.77 | 5,539.68 | 1,477.80 | 1,229.95 | 1,469.18 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 22.02 | 39.77 | 5,632.38 | 1,506.62 | 1,253.93 | 1,497.83 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 22.02 | 39.77 | 5,725.09 | 1,535.44 | 1,277.92 | 1,526.48 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 22.02 | 39.77 | 5,817.79 | 1,564.25 | 1,301.90 | 1,555.13 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 22.02 | 39.77 | 5,910.50 | 1,593.07 | 1,325.89 | 1,583.78 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 22.02 | 39.77 | 6,003.20 | 1,621.89 | 1,349.87 | 1,612.43 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 22.02 | 39.77 | 6,095.91 | 1,650.71 | 1,373.85 | 1,641.08 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 22.02 | 39.77 | 6,188.61 | 1,679.53 | 1,397.84 | 1,669.73 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 22.02 | 39.77 | 6,281.32 | 1,708.34 | 1,421.82 | 1,698.38 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 22.02 | 39.77 | 6,374.03 | 1,737.16 | 1,445.81 | 1,727.03 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 22.02 | 39.77 | 6,466.73 | 1,765.98 | 1,469.79 | 1,755.68 | 0.00 | 0.00 | 0.00 |
| 6,996.44 | 22.02 | 39.77 | 6,556.14 | 1,793.77 | 1,492.92 | 1,783.30 | 0.00 | 0.00 | 0.00 |
| KOP @ 6996.44ft :: DLS = 9°/100' | | | | | | | | | |
| 7,000.00 | 22.25 | 39.18 | 6,559.43 | 1,794.81 | 1,493.78 | 1,784.33 | 9.00 | 6.46 | -16.64 |
| 7,050.00 | 25.67 | 31.97 | 6,605.13 | 1,811.34 | 1,505.50 | 1,800.79 | 9.00 | 6.85 | -14.42 |
| 7,100.00 | 29.37 | 26.40 | 6,649.47 | 1,831.52 | 1,516.69 | 1,820.89 | 9.00 | 7.40 | -11.12 |
| 7,150.00 | 33.25 | 22.01 | 6,692.18 | 1,855.23 | 1,527.28 | 1,844.52 | 9.00 | 7.76 | -8.78 |
| 7,200.00 | 37.26 | 18.45 | 6,733.01 | 1,882.31 | 1,537.22 | 1,871.53 | 9.00 | 8.01 | -7.11 |
| 7,250.00 | 41.35 | 15.50 | 6,771.69 | 1,912.60 | 1,546.43 | 1,901.75 | 9.00 | 8.19 | -5.90 |
| 7,300.00 | 45.51 | 13.00 | 6,808.00 | 1,945.91 | 1,554.86 | 1,935.00 | 9.00 | 8.32 | -5.01 |
| 7,350.00 | 49.72 | 10.83 | 6,841.70 | 1,982.04 | 1,562.46 | 1,971.08 | 9.00 | 8.41 | -4.34 |
| 7,400.00 | 53.96 | 8.92 | 6,872.59 | 2,020.76 | 1,569.18 | 2,009.75 | 9.00 | 8.48 | -3.83 |
| 7,450.00 | 58.23 | 7.20 | 6,900.48 | 2,061.83 | 1,574.98 | 2,050.79 | 9.00 | 8.54 | -3.43 |
| 7,500.00 | 62.52 | 5.64 | 6,925.19 | 2,105.01 | 1,579.82 | 2,093.93 | 9.00 | 8.58 | -3.13 |
| 7,550.00 | 66.82 | 4.19 | 6,946.58 | 2,150.03 | 1,583.68 | 2,138.92 | 9.00 | 8.61 | -2.89 |
| 7,600.00 | 71.14 | 2.83 | 6,964.51 | 2,196.60 | 1,586.53 | 2,185.47 | 9.00 | 8.64 | -2.71 |
| 7,650.00 | 75.47 | 1.54 | 6,978.87 | 2,244.45 | 1,588.35 | 2,233.30 | 9.00 | 8.66 | -2.58 |
| 7,700.00 | 79.80 | 0.30 | 6,989.57 | 2,293.27 | 1,589.14 | 2,282.12 | 9.00 | 8.67 | -2.48 |
| 7,750.00 | 84.14 | 359.10 | 6,996.55 | 2,342.77 | 1,588.88 | 2,331.62 | 9.00 | 8.68 | -2.41 |
| 7,800.00 | 88.48 | 357.91 | 6,999.77 | 2,392.63 | 1,587.57 | 2,381.49 | 9.00 | 8.68 | -2.37 |
| 7,817.47 | 90.00 | 357.50 | 7,000.00 | 2,410.08 | 1,586.87 | 2,398.95 | 9.00 | 8.68 | -2.36 |
| End Build/TPZ @ 7817.47ft | | | | | | | | | |
| 7,900.00 | 90.00 | 357.50 | 7,000.00 | 2,492.54 | 1,583.27 | 2,481.42 | 0.00 | 0.00 | 0.00 |
| 7,917.47 | 90.00 | 357.50 | 7,000.00 | 2,509.99 | 1,582.51 | 2,498.88 | 0.00 | 0.00 | 0.00 |
| Begin Turn to BHL @ 7917.47ft | | | | | | | | | |
| 8,000.00 | 90.00 | 359.15 | 7,000.00 | 2,592.48 | 1,580.10 | 2,581.39 | 2.00 | 0.00 | 2.00 |
| 8,026.21 | 90.00 | 359.67 | 7,000.00 | 2,618.70 | 1,579.83 | 2,607.60 | 2.00 | 0.00 | 2.00 |
| End Turn @ 8026.21ft | | | | | | | | | |
| 8,100.00 | 90.00 | 359.67 | 7,000.00 | 2,692.48 | 1,579.41 | 2,681.39 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.00 | 359.67 | 7,000.00 | 2,792.48 | 1,578.85 | 2,781.39 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.00 | 359.67 | 7,000.00 | 2,892.48 | 1,578.28 | 2,881.39 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.00 | 359.67 | 7,000.00 | 2,992.48 | 1,577.71 | 2,981.39 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KIWI 2929-08H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Site: | 2N-64W-32 KIWI 2920 PAD | North Reference: | True |
| Well: | KIWI 2929-08H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #2 | | |

| 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 | 359.67 | 7,000.00 | 3,092.47 | 1,577.14 | 3,081.39 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.00 | 359.67 | 7,000.00 | 3,192.47 | 1,576.58 | 3,181.39 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.00 | 359.67 | 7,000.00 | 3,292.47 | 1,576.01 | 3,281.39 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.00 | 359.67 | 7,000.00 | 3,392.47 | 1,575.44 | 3,381.39 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.00 | 359.67 | 7,000.00 | 3,492.47 | 1,574.87 | 3,481.39 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.00 | 359.67 | 7,000.00 | 3,592.47 | 1,574.31 | 3,581.39 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.00 | 359.67 | 7,000.00 | 3,692.46 | 1,573.74 | 3,681.39 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.00 | 359.67 | 7,000.00 | 3,792.46 | 1,573.17 | 3,781.39 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.00 | 359.67 | 7,000.00 | 3,892.46 | 1,572.61 | 3,881.39 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.00 | 359.67 | 7,000.00 | 3,992.46 | 1,572.04 | 3,981.39 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.00 | 359.67 | 7,000.00 | 4,092.46 | 1,571.47 | 4,081.39 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.00 | 359.67 | 7,000.00 | 4,192.46 | 1,570.90 | 4,181.39 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.00 | 359.67 | 7,000.00 | 4,292.46 | 1,570.34 | 4,281.39 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.00 | 359.67 | 7,000.00 | 4,392.45 | 1,569.77 | 4,381.39 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 359.67 | 7,000.00 | 4,492.45 | 1,569.20 | 4,481.39 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 359.67 | 7,000.00 | 4,592.45 | 1,568.63 | 4,581.39 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 359.67 | 7,000.00 | 4,692.45 | 1,568.07 | 4,681.39 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 359.67 | 7,000.00 | 4,792.45 | 1,567.50 | 4,781.39 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 359.67 | 7,000.00 | 4,892.45 | 1,566.93 | 4,881.39 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 359.67 | 7,000.00 | 4,992.44 | 1,566.36 | 4,981.39 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 359.67 | 7,000.00 | 5,092.44 | 1,565.80 | 5,081.39 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.00 | 359.67 | 7,000.00 | 5,192.44 | 1,565.23 | 5,181.39 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.00 | 359.67 | 7,000.00 | 5,292.44 | 1,564.66 | 5,281.39 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.00 | 359.67 | 7,000.00 | 5,392.44 | 1,564.09 | 5,381.39 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.00 | 359.67 | 7,000.00 | 5,492.44 | 1,563.53 | 5,481.39 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 359.67 | 7,000.00 | 5,592.43 | 1,562.96 | 5,581.39 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 359.67 | 7,000.00 | 5,692.43 | 1,562.39 | 5,681.39 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 359.67 | 7,000.00 | 5,792.43 | 1,561.83 | 5,781.39 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 359.67 | 7,000.00 | 5,892.43 | 1,561.26 | 5,881.39 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.00 | 359.67 | 7,000.00 | 5,992.43 | 1,560.69 | 5,981.39 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.00 | 359.67 | 7,000.00 | 6,092.43 | 1,560.12 | 6,081.39 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.00 | 359.67 | 7,000.00 | 6,192.42 | 1,559.56 | 6,181.39 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.00 | 359.67 | 7,000.00 | 6,292.42 | 1,558.99 | 6,281.39 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.00 | 359.67 | 7,000.00 | 6,392.42 | 1,558.42 | 6,381.39 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.00 | 359.67 | 7,000.00 | 6,492.42 | 1,557.85 | 6,481.39 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.00 | 359.67 | 7,000.00 | 6,592.42 | 1,557.29 | 6,581.39 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.00 | 359.67 | 7,000.00 | 6,692.42 | 1,556.72 | 6,681.39 | 0.00 | 0.00 | 0.00 |
| 12,155.06 | 90.00 | 359.67 | 7,000.00 | 6,747.48 | 1,556.41 | 6,736.45 | 0.00 | 0.00 | 0.00 |
| BPZ @ 12155.06ft | | | | | | | | | |
| 12,200.00 | 90.00 | 359.67 | 7,000.00 | 6,792.41 | 1,556.15 | 6,781.39 | 0.00 | 0.00 | 0.00 |
| 12,245.05 | 90.00 | 359.67 | 7,000.00 | 6,837.47 | 1,555.90 | 6,826.44 | 0.00 | 0.00 | 0.00 |
| TD Well @ 12245.05ft | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|--|---------------------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | | Casing Diameter (") | Hole Diameter (") |
| 2,606.04 | 2,486.00 | 9 5/8" | | 9-5/8 | 13-1/2 |

Planning Report

| | | | |
|-----------|----------------------------|------------------------------|-------------------------------|
| Database: | EDM 5000.16 Single User Db | Local Co-ordinate Reference: | Well KIWI 2929-08H |
| Company: | VERDAD RESOURCES | TVD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Project: | WATTENBERG FIELD | MD Reference: | RKB = 20' @ 4991.00usft (RIG) |
| Site: | 2N-64W-32 KIWI 2920 PAD | North Reference: | True |
| Well: | KIWI 2929-08H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #2 | | |

| Plan Annotations | | | | |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 228.30 | 228.30 | 0.00 | 0.00 | Begin Nudge @ 228.30ft |
| 1,329.30 | 1,302.40 | 160.62 | 133.68 | Hold Tangent @ 1329.30ft |
| 6,996.44 | 6,556.14 | 1,793.77 | 1,492.92 | KOP @ 6996.44ft :: DLS = 9°/100' |
| 7,817.47 | 7,000.00 | 2,410.08 | 1,586.87 | End Build/TPZ @ 7817.47ft |
| 7,917.47 | 7,000.00 | 2,509.99 | 1,582.51 | Begin Turn to BHL @ 7917.47ft |
| 8,026.21 | 7,000.00 | 2,618.70 | 1,579.83 | End Turn @ 8026.21ft |
| 12,155.06 | 7,000.00 | 6,747.48 | 1,556.41 | BPZ @ 12155.06ft |
| 12,245.05 | 7,000.00 | 6,837.47 | 1,555.90 | TD Well @ 12245.05ft |