

Project: Weld County, Colorado (NAD 83)
Site: Sec.12-T10N-R58W
Well: Razor FED #12F-1302B
Wellbore: OH / Job# 1524098
Design: Plan 2 08-04-15
Rig: Unit 409

WELL DETAILS

| | | | | | |
|-------|-------|-------------|-----------------------|-----------|-------------|
| +N/-S | +E/-W | Northing | Ground Level: 4936.80 | Latitude | Longitude |
| 0.00 | 0.00 | 1558538.590 | Easting 3465209.190 | 40.854456 | -103.818278 |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Target | Annotation |
|-----|----------|-------|--------|---------|----------|---------|-------|--------|---------|------------------|-----------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | Begin 2°/100' Build |
| 3 | 825.00 | 10.50 | 271.00 | 822.07 | 0.84 | -47.96 | 2.00 | 271.00 | 3.84 | | Hold 10.50° Inc @ 271° Azm |
| 4 | 4724.99 | 10.50 | 271.00 | 4656.75 | 13.24 | -758.58 | 0.00 | 0.00 | 60.73 | | Begin 2°/100' Drop |
| 5 | 5249.99 | 0.00 | 0.00 | 5178.82 | 14.08 | -806.54 | 2.00 | 180.00 | 64.58 | | Begin Vertical Hold |
| 6 | 5561.30 | 0.00 | 0.00 | 5490.13 | 14.08 | -806.54 | 0.00 | 0.00 | 64.58 | | KOP, Begin 11°/100' Build |
| 7 | 6379.48 | 90.00 | 180.00 | 6011.00 | -506.79 | -806.58 | 11.00 | 180.00 | 582.97 | | LP, Hold 90° Inc @ 180° Azm |
| 8 | 14116.95 | 90.00 | 180.00 | 6011.00 | -8244.26 | -807.15 | 0.00 | 0.00 | 8283.67 | BHL_#12F-1302Bv2 | TD at 14116.95 MD |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|------------------|---------|----------|---------|-------------|-------------|-----------|-------------|-------|
| BHL_#12F-1302Bv2 | 6011.00 | -8244.26 | -807.15 | 1550280.510 | 3464558.530 | 40.831828 | -103.821194 | Point |

LEGEND

- Razor FED #12F-1305A, OH / Job# 1524099, Plan 2 08-04-15 V0
- Razor FED #12F-1308B, Wellbore #1 / Job #1523835, Surveys (Unit 409) V0
- Razor FED #12F-0105A, OH / Job# 1524095, Plan 2 08-04-15 V0
- Razor FED #12F-0106B, OH / Job# 1524096, Plan 2 08-04-15 V0
- Razor FED #12F-0104B, Wellbore #1 / Job #1523838, Plan 2 08-04-15 V0
- Razor FED #12F-1301A, OH / Job# 1524097, Plan 2 08-04-15 V0
- Razor FED #12F-1307A, Wellbore #1 / Job #1523836, Surveys (Unit 409) V0
- Razor FED #12F-1303A, Wellbore #1 / Job #1523837, Plan 2 08-04-15 V0
- Razor FED #12F-0107A, Wellbore #1 / Job #1523840, Plan 2 08-04-15 V0
- Razor FED #12F-1304B, Wellbore #1, Surveys V0
- Razor FED #12F-0101A, OH / Job# 1524093, Plan 2 08-04-15 V0
- Razor FED #12F-1306B, OH / Job# 1524100, Plan 2 08-04-15 V0
- Razor FED #12F-0103A, Wellbore #1 / Job #1523839, Plan 2 08-04-15 V0
- Razor FED #12F-0102B, OH / Job# 1524094, Plan 2 08-04-15 V0
- Razor FED #12F-0108B, Wellbore #1 / Job #1523841, Surveys (Unit 409) V0
- Plan 2 08-04-15

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation | DipAngle | DipDir |
|---------|---------|----------------|----------|--------|
| 1600.00 | 1616.18 | Upper Pierre | 0.00 | 185.59 |
| 3500.00 | 3548.54 | Hygiene | 0.00 | 185.59 |
| 3650.00 | 3701.09 | Lower Pierre | 0.00 | 185.59 |
| 5705.00 | 5782.79 | P200 Marker | 0.00 | 185.59 |
| 5734.00 | 5815.10 | P300 Marker | 0.00 | 185.59 |
| 5751.00 | 5834.53 | P350 Marker | 0.00 | 185.59 |
| 5761.00 | 5846.16 | Sharon Springs | 0.00 | 185.59 |
| 5768.00 | 5854.40 | Niobrara | 0.00 | 185.59 |
| 5797.00 | 5889.46 | Top A Chalk | 0.00 | 185.59 |
| 5832.00 | 5934.23 | Top B Marl | 0.00 | 185.59 |
| 5853.00 | 5962.76 | A Marl | 0.00 | 185.59 |
| 5862.00 | 5975.45 | Top Upper B | 0.00 | 185.59 |
| 5886.00 | 6010.99 | Base Upper B | 0.00 | 185.59 |
| 5896.00 | 6026.66 | Top Lower B | 0.00 | 185.59 |
| 5925.00 | 6075.89 | Base Lower B | 0.00 | 185.59 |
| 5931.00 | 6086.97 | Top B Marl | 0.00 | 185.59 |
| 5972.00 | 6176.65 | Top C Chalk | 0.00 | 185.59 |
| 5981.00 | 6201.85 | Mid C Chalk | 0.00 | 185.59 |
| 5998.00 | 6262.88 | Mid C Marl | 0.00 | 185.59 |
| 6011.00 | 6379.48 | Lower C Chalk | 0.00 | 185.59 |

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: Colorado Northern Zone
Local Origin: Well Razor FED #12F-1302B, True North

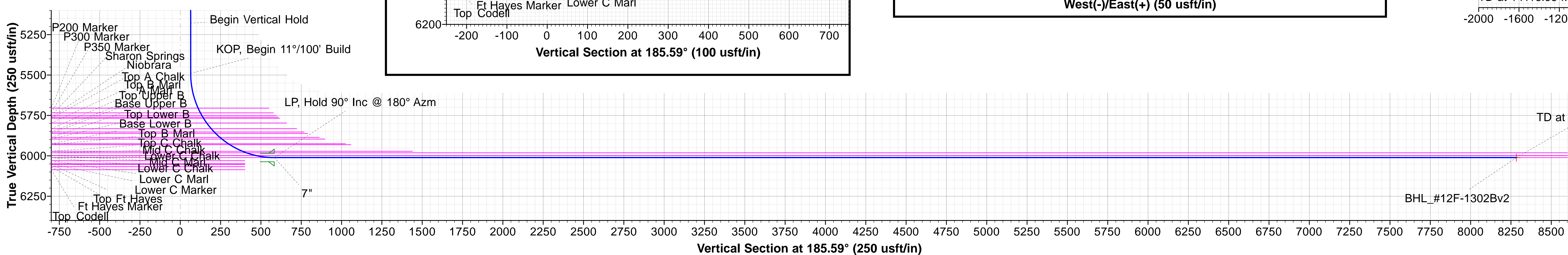
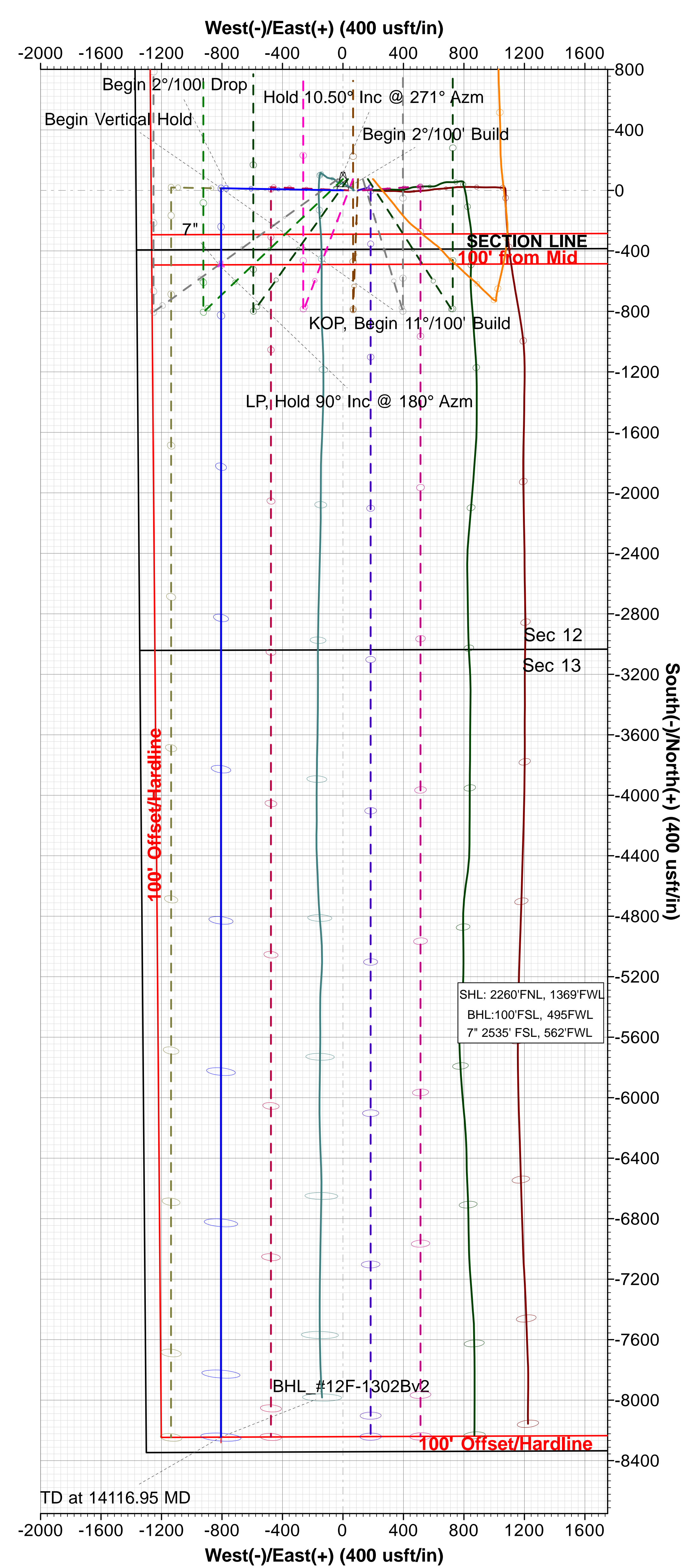
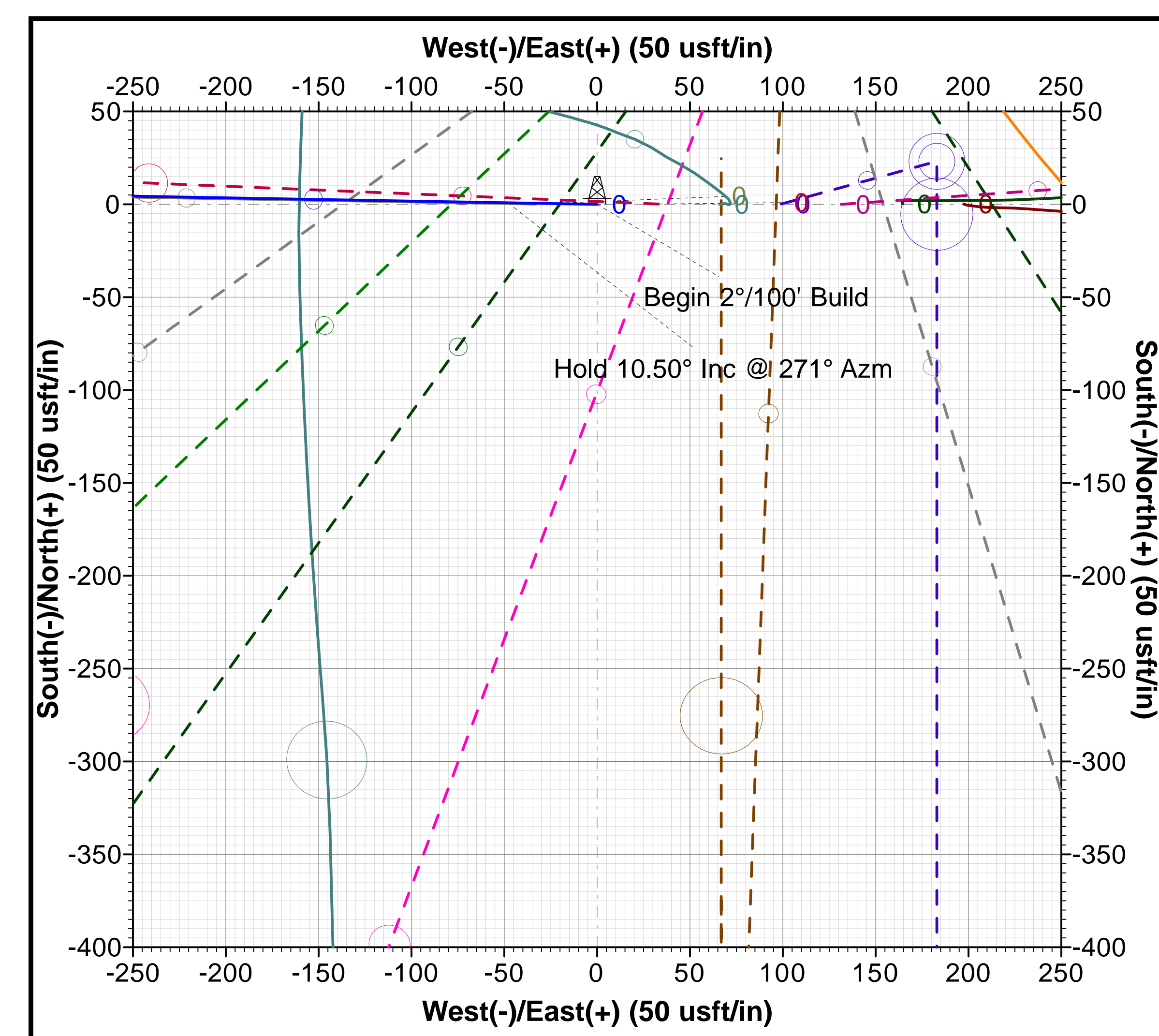
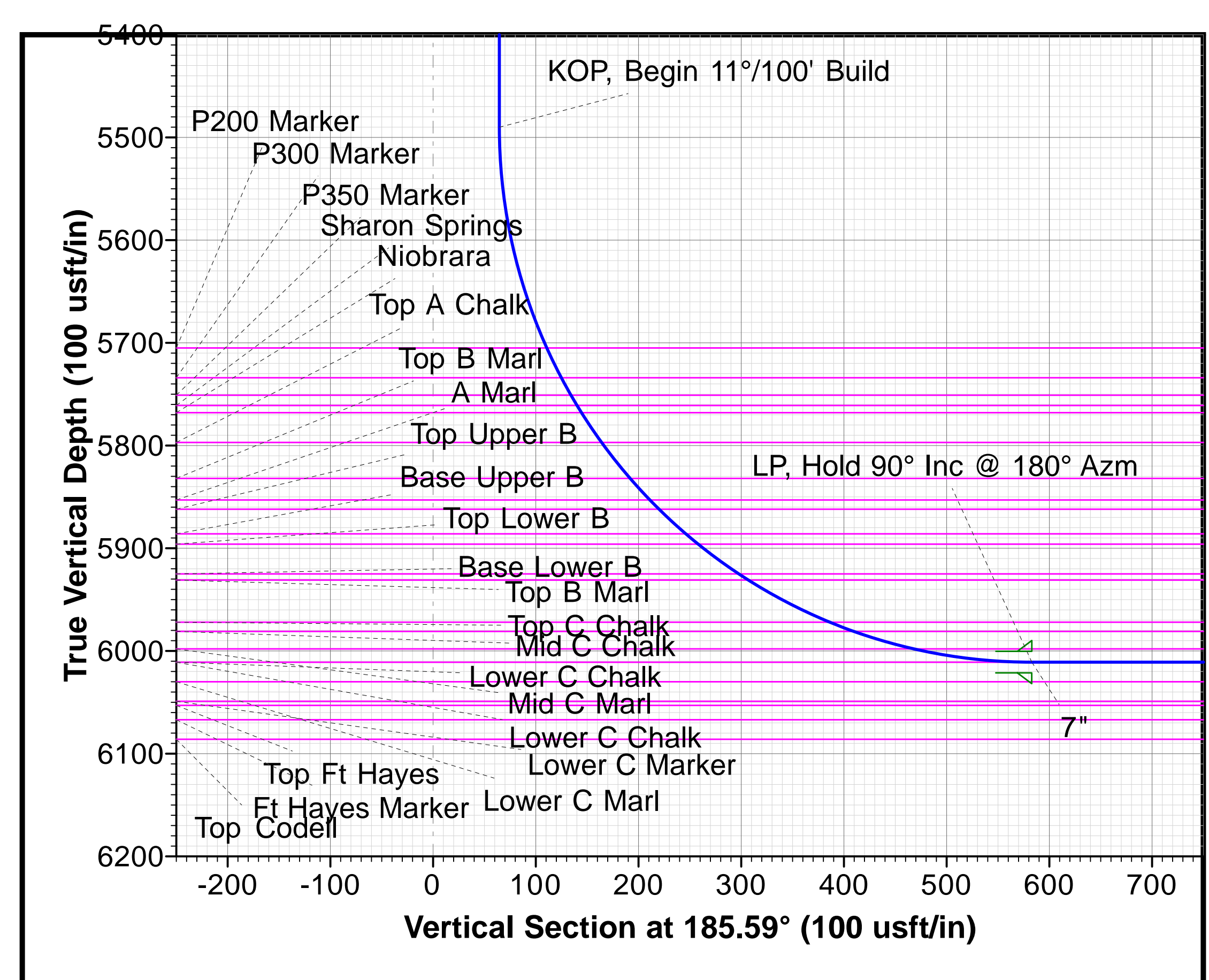
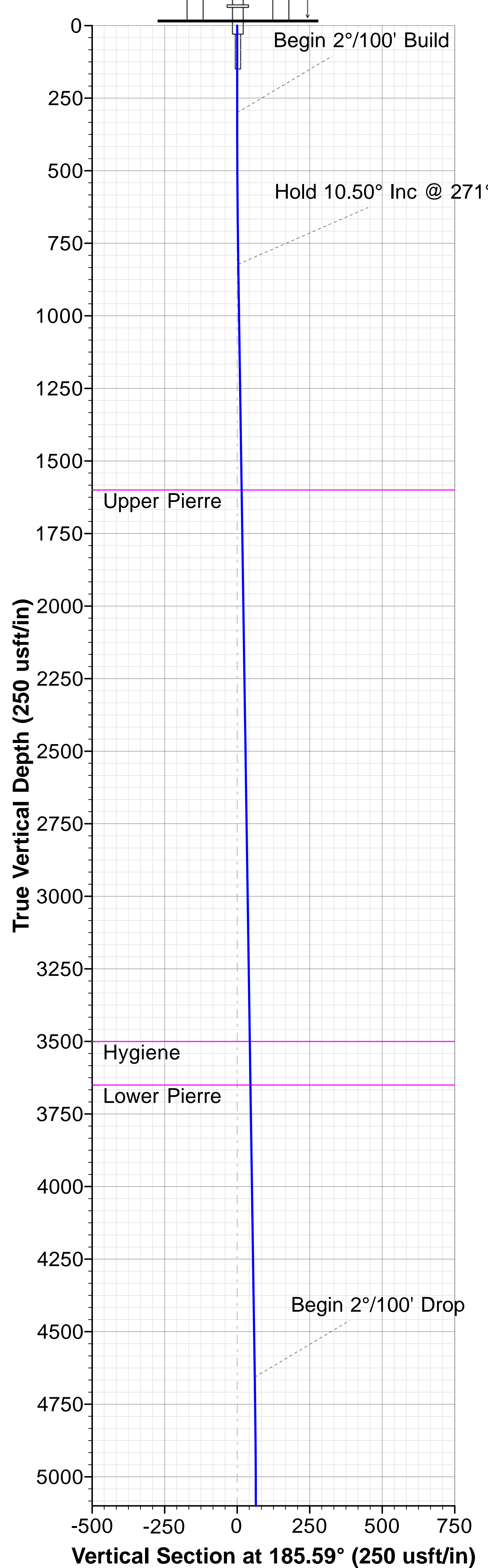
Latitude: 40.854456
Longitude: -103.818278

Grid East: 3465209.190
Grid North: 1558538.590
Scale Factor: 1.000

Geomagnetic Model: HDGM
Sample Date: 04-Aug-15
Magnetic Declination: 7.63°
Dip Angle from Horizontal: 67.35°
Magnetic Field Strength: 52974

To convert a Magnetic Direction to a Grid Direction, Add 6.55°
To convert a Magnetic Direction to a True Direction, Add 7.63° East
To convert a True Direction to a Grid Direction, Subtract 1.09°

Azimuths to True North
Magnetic North: 7.63°
Magnetic Field
Strength: 52974.4snT
Dip Angle: 67.35°
Date: 8/4/2015
Model: HDGM





Whiting Oil & Gas Corporation

Weld County, Colorado (NAD 83)

Sec.12-T10N-R58W

Razor FED #12F-1302B

OH / Job# 1524098

Plan: Plan 2 08-04-15

Standard Planning Report

05 August, 2015





Phoenix Technology Services LP

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|------------------------------|
| Database: | Compass 5000 RMR | Local Co-ordinate Reference: | Well Razor FED #12F-1302B |
| Company: | Whiting Oil & Gas Corporation | TVD Reference: | RKB @ 4957.80usft (Unit 409) |
| Project: | Weld County, Colorado (NAD 83) | MD Reference: | RKB @ 4957.80usft (Unit 409) |
| Site: | Sec.12-T10N-R58W | North Reference: | True |
| Well: | Razor FED #12F-1302B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH / Job# 1524098 | | |
| Design: | Plan 2 08-04-15 | | |

| | | | |
|--------------------|--------------------------------|----------------------|----------------|
| Project | Weld County, Colorado (NAD 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | | |
|-----------------------|-----------|------------------|--------------------|-------------------|-------------|
| Site | | Sec.12-T10N-R58W | | | |
| Site Position: | | Northing: | 1,558,542.326 usft | Latitude: | 40.854456 |
| From: | Lat/Long | Easting: | 3,465,406.640 usft | Longitude: | -103.817564 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.09 ° |

| Well | Razor FED #12F-1302B | | | | | |
|----------------------|----------------------|--------------|---------------------|--------------------|---------------|---------------|
| Well Position | +N/-S | 0.01 usft | Northing: | 1,558,538.590 usft | Latitude: | 40.854456 |
| | +E/-W | -197.49 usft | Easting: | 3,465,209.190 usft | Longitude: | -103.818278 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 4,936.80 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH / Job# 1524098 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 8/4/2015 | 7.63 | 67.35 | 52,974 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan 2 08-04-15 | | | |
| 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 | 185.59 |

| 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 | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 825.00 | 10.50 | 271.00 | 822.07 | 0.84 | -47.96 | 2.00 | 2.00 | 0.00 | 271.00 | |
| 4,724.99 | 10.50 | 271.00 | 4,656.75 | 13.24 | -758.58 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,249.99 | 0.00 | 0.00 | 5,178.82 | 14.08 | -806.54 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 5,561.30 | 0.00 | 0.00 | 5,490.13 | 14.08 | -806.54 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,379.48 | 90.00 | 180.00 | 6,011.00 | -506.79 | -806.58 | 11.00 | 11.00 | -22.00 | 180.00 | |
| 14,116.95 | 90.00 | 180.00 | 6,011.00 | -8,244.26 | -807.15 | 0.00 | 0.00 | 0.00 | 0.00 | BHL_#12F-1302Bv2 |



Phoenix Technology Services LP

Planning Report



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|------------------|--------------------------------|-------------------------------------|------------------------------|
| Database: | Compass 5000 RMR | Local Co-ordinate Reference: | Well Razor FED #12F-1302B |
| Company: | Whiting Oil & Gas Corporation | TVD Reference: | RKB @ 4957.80usft (Unit 409) |
| Project: | Weld County, Colorado (NAD 83) | MD Reference: | RKB @ 4957.80usft (Unit 409) |
| Site: | Sec.12-T10N-R58W | North Reference: | True |
| Well: | Razor FED #12F-1302B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH / Job# 1524098 | | |
| Design: | Plan 2 08-04-15 | | |

| 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 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin 2°/100' Build | | | | | | | | | |
| 400.00 | 2.00 | 271.00 | 399.98 | 0.03 | -1.74 | 0.14 | 2.00 | 2.00 | 0.00 |
| 500.00 | 4.00 | 271.00 | 499.84 | 0.12 | -6.98 | 0.56 | 2.00 | 2.00 | 0.00 |
| 600.00 | 6.00 | 271.00 | 599.45 | 0.27 | -15.69 | 1.26 | 2.00 | 2.00 | 0.00 |
| 700.00 | 8.00 | 271.00 | 698.70 | 0.49 | -27.88 | 2.23 | 2.00 | 2.00 | 0.00 |
| 800.00 | 10.00 | 271.00 | 797.47 | 0.76 | -43.52 | 3.48 | 2.00 | 2.00 | 0.00 |
| 825.00 | 10.50 | 271.00 | 822.07 | 0.84 | -47.96 | 3.84 | 2.00 | 2.00 | 0.00 |
| Hold 10.50° Inc @ 271° Azm | | | | | | | | | |
| 900.00 | 10.50 | 271.00 | 895.81 | 1.08 | -61.63 | 4.93 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 10.50 | 271.00 | 994.14 | 1.39 | -79.85 | 6.39 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 10.50 | 271.00 | 1,092.46 | 1.71 | -98.07 | 7.85 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 10.50 | 271.00 | 1,190.79 | 2.03 | -116.29 | 9.31 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 10.50 | 271.00 | 1,289.11 | 2.35 | -134.51 | 10.77 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 10.50 | 271.00 | 1,387.44 | 2.67 | -152.73 | 12.23 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 10.50 | 271.00 | 1,485.76 | 2.98 | -170.95 | 13.69 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 10.50 | 271.00 | 1,584.09 | 3.30 | -189.18 | 15.15 | 0.00 | 0.00 | 0.00 |
| 1,616.18 | 10.50 | 271.00 | 1,600.00 | 3.35 | -192.12 | 15.38 | 0.00 | 0.00 | 0.00 |
| Upper Pierre | | | | | | | | | |
| 1,700.00 | 10.50 | 271.00 | 1,682.41 | 3.62 | -207.40 | 16.61 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 10.50 | 271.00 | 1,780.74 | 3.94 | -225.62 | 18.06 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 10.50 | 271.00 | 1,879.07 | 4.26 | -243.84 | 19.52 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 10.50 | 271.00 | 1,977.39 | 4.57 | -262.06 | 20.98 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 10.50 | 271.00 | 2,075.72 | 4.89 | -280.28 | 22.44 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 10.50 | 271.00 | 2,174.04 | 5.21 | -298.50 | 23.90 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 10.50 | 271.00 | 2,272.37 | 5.53 | -316.72 | 25.36 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 10.50 | 271.00 | 2,370.69 | 5.85 | -334.94 | 26.82 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 10.50 | 271.00 | 2,469.02 | 6.17 | -353.16 | 28.28 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 10.50 | 271.00 | 2,567.34 | 6.48 | -371.38 | 29.73 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 10.50 | 271.00 | 2,665.67 | 6.80 | -389.60 | 31.19 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 10.50 | 271.00 | 2,763.99 | 7.12 | -407.83 | 32.65 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 10.50 | 271.00 | 2,862.32 | 7.44 | -426.05 | 34.11 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 10.50 | 271.00 | 2,960.65 | 7.76 | -444.27 | 35.57 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 10.50 | 271.00 | 3,058.97 | 8.07 | -462.49 | 37.03 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 10.50 | 271.00 | 3,157.30 | 8.39 | -480.71 | 38.49 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 10.50 | 271.00 | 3,255.62 | 8.71 | -498.93 | 39.95 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 10.50 | 271.00 | 3,353.95 | 9.03 | -517.15 | 41.41 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 10.50 | 271.00 | 3,452.27 | 9.35 | -535.37 | 42.86 | 0.00 | 0.00 | 0.00 |
| 3,548.54 | 10.50 | 271.00 | 3,500.00 | 9.50 | -544.22 | 43.57 | 0.00 | 0.00 | 0.00 |
| Hygiene | | | | | | | | | |
| 3,600.00 | 10.50 | 271.00 | 3,550.60 | 9.66 | -553.59 | 44.32 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 10.50 | 271.00 | 3,648.92 | 9.98 | -571.81 | 45.78 | 0.00 | 0.00 | 0.00 |
| 3,701.09 | 10.50 | 271.00 | 3,650.00 | 9.99 | -572.01 | 45.80 | 0.00 | 0.00 | 0.00 |
| Lower Pierre | | | | | | | | | |
| 3,800.00 | 10.50 | 271.00 | 3,747.25 | 10.30 | -590.03 | 47.24 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 10.50 | 271.00 | 3,845.57 | 10.62 | -608.26 | 48.70 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 10.50 | 271.00 | 3,943.90 | 10.94 | -626.48 | 50.16 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 10.50 | 271.00 | 4,042.23 | 11.25 | -644.70 | 51.62 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 10.50 | 271.00 | 4,140.55 | 11.57 | -662.92 | 53.08 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 10.50 | 271.00 | 4,238.88 | 11.89 | -681.14 | 54.53 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 10.50 | 271.00 | 4,337.20 | 12.21 | -699.36 | 55.99 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 10.50 | 271.00 | 4,435.53 | 12.53 | -717.58 | 57.45 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 10.50 | 271.00 | 4,533.85 | 12.85 | -735.80 | 58.91 | 0.00 | 0.00 | 0.00 |



Phoenix Technology Services LP

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|------------------------------|
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| Project: | Weld County, Colorado (NAD 83) | MD Reference: | RKB @ 4957.80usft (Unit 409) |
| Site: | Sec.12-T10N-R58W | North Reference: | True |
| Well: | Razor FED #12F-1302B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH / Job# 1524098 | | |
| Design: | Plan 2 08-04-15 | | |

| 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 | 10.50 | 271.00 | 4,632.18 | 13.16 | -754.02 | 60.37 | 0.00 | 0.00 | 0.00 | |
| 4,724.99 | 10.50 | 271.00 | 4,656.75 | 13.24 | -758.58 | 60.73 | 0.00 | 0.00 | 0.00 | |
| Begin 2°/100' Drop | | | | | | | | | | |
| 4,800.00 | 9.00 | 271.00 | 4,730.67 | 13.46 | -771.28 | 61.75 | 2.00 | -2.00 | 0.00 | |
| 4,900.00 | 7.00 | 271.00 | 4,829.70 | 13.71 | -785.19 | 62.87 | 2.00 | -2.00 | 0.00 | |
| 5,000.00 | 5.00 | 271.00 | 4,929.14 | 13.89 | -795.64 | 63.70 | 2.00 | -2.00 | 0.00 | |
| 5,100.00 | 3.00 | 271.00 | 5,028.89 | 14.01 | -802.61 | 64.26 | 2.00 | -2.00 | 0.00 | |
| 5,200.00 | 1.00 | 271.00 | 5,128.83 | 14.07 | -806.10 | 64.54 | 2.00 | -2.00 | 0.00 | |
| 5,249.99 | 0.00 | 0.00 | 5,178.82 | 14.08 | -806.54 | 64.58 | 2.00 | -2.00 | 0.00 | |
| Begin Vertical Hold | | | | | | | | | | |
| 5,561.30 | 0.00 | 0.00 | 5,490.13 | 14.08 | -806.54 | 64.58 | 0.00 | 0.00 | 0.00 | |
| KOP, Begin 11°/100' Build | | | | | | | | | | |
| 5,600.00 | 4.26 | 180.00 | 5,528.79 | 12.64 | -806.54 | 66.01 | 11.00 | 11.00 | 0.00 | |
| 5,700.00 | 15.26 | 180.00 | 5,627.19 | -4.28 | -806.54 | 82.85 | 11.00 | 11.00 | 0.00 | |
| 5,782.79 | 24.36 | 180.00 | 5,705.00 | -32.31 | -806.54 | 110.74 | 11.00 | 11.00 | 0.00 | |
| P200 Marker | | | | | | | | | | |
| 5,800.00 | 26.26 | 180.00 | 5,720.56 | -39.66 | -806.54 | 118.06 | 11.00 | 11.00 | 0.00 | |
| 5,815.10 | 27.92 | 180.00 | 5,734.00 | -46.54 | -806.54 | 124.91 | 11.00 | 11.00 | 0.00 | |
| P300 Marker | | | | | | | | | | |
| 5,834.53 | 30.06 | 180.00 | 5,751.00 | -55.96 | -806.55 | 134.28 | 11.00 | 11.00 | 0.00 | |
| P350 Marker | | | | | | | | | | |
| 5,846.16 | 31.33 | 180.00 | 5,761.00 | -61.89 | -806.55 | 140.19 | 11.00 | 11.00 | 0.00 | |
| Sharon Springs | | | | | | | | | | |
| 5,854.40 | 32.24 | 180.00 | 5,768.00 | -66.23 | -806.55 | 144.50 | 11.00 | 11.00 | 0.00 | |
| Niobrara | | | | | | | | | | |
| 5,889.46 | 36.10 | 180.00 | 5,797.00 | -85.92 | -806.55 | 164.10 | 11.00 | 11.00 | 0.00 | |
| Top A Chalk | | | | | | | | | | |
| 5,900.00 | 37.26 | 180.00 | 5,805.46 | -92.22 | -806.55 | 170.37 | 11.00 | 11.00 | 0.00 | |
| 5,934.23 | 41.02 | 180.00 | 5,832.00 | -113.82 | -806.55 | 191.86 | 11.00 | 11.00 | 0.00 | |
| Top B Marl | | | | | | | | | | |
| 5,962.76 | 44.16 | 180.00 | 5,853.00 | -133.12 | -806.55 | 211.08 | 11.00 | 11.00 | 0.00 | |
| A Marl | | | | | | | | | | |
| 5,975.45 | 45.56 | 180.00 | 5,862.00 | -142.08 | -806.55 | 219.99 | 11.00 | 11.00 | 0.00 | |
| Top Upper B | | | | | | | | | | |
| 6,000.00 | 48.26 | 180.00 | 5,878.77 | -160.00 | -806.55 | 237.83 | 11.00 | 11.00 | 0.00 | |
| 6,010.99 | 49.47 | 180.00 | 5,886.00 | -168.28 | -806.55 | 246.07 | 11.00 | 11.00 | 0.00 | |
| Base Upper B | | | | | | | | | | |
| 6,026.66 | 51.19 | 180.00 | 5,896.00 | -180.34 | -806.55 | 258.07 | 11.00 | 11.00 | 0.00 | |
| Top Lower B | | | | | | | | | | |
| 6,075.89 | 56.61 | 180.00 | 5,925.00 | -220.10 | -806.56 | 297.64 | 11.00 | 11.00 | 0.00 | |
| Base Lower B | | | | | | | | | | |
| 6,086.97 | 57.82 | 180.00 | 5,931.00 | -229.42 | -806.56 | 306.91 | 11.00 | 11.00 | 0.00 | |
| Top B Marl | | | | | | | | | | |
| 6,100.00 | 59.26 | 180.00 | 5,937.80 | -240.53 | -806.56 | 317.97 | 11.00 | 11.00 | 0.00 | |
| 6,176.65 | 67.69 | 180.00 | 5,972.00 | -309.04 | -806.56 | 386.16 | 11.00 | 11.00 | 0.00 | |
| Top C Chalk | | | | | | | | | | |
| 6,200.00 | 70.26 | 180.00 | 5,980.38 | -330.84 | -806.57 | 407.86 | 11.00 | 11.00 | 0.00 | |
| 6,201.85 | 70.46 | 180.00 | 5,981.00 | -332.58 | -806.57 | 409.59 | 11.00 | 11.00 | 0.00 | |
| Mid C Chalk | | | | | | | | | | |
| 6,262.88 | 77.17 | 180.00 | 5,998.00 | -391.16 | -806.57 | 467.89 | 11.00 | 11.00 | 0.00 | |
| Mid C Marl | | | | | | | | | | |



Phoenix Technology Services LP

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|------------------------------|
| Database: | Compass 5000 RMR | Local Co-ordinate Reference: | Well Razor FED #12F-1302B |
| Company: | Whiting Oil & Gas Corporation | TVD Reference: | RKB @ 4957.80usft (Unit 409) |
| Project: | Weld County, Colorado (NAD 83) | MD Reference: | RKB @ 4957.80usft (Unit 409) |
| Site: | Sec.12-T10N-R58W | North Reference: | True |
| Well: | Razor FED #12F-1302B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH / Job# 1524098 | | |
| Design: | Plan 2 08-04-15 | | |

| 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) |
| 6,300.00 | 81.26 | 180.00 | 6,004.94 | -427.62 | -806.57 | 504.17 | 11.00 | 11.00 | 0.00 |
| 6,379.48 | 90.00 | 180.00 | 6,011.00 | -506.79 | -806.58 | 582.97 | 11.00 | 11.00 | 0.00 |
| LP, Hold 90° Inc @ 180° Azm - Lower C Chalk - 7" | | | | | | | | | |
| 6,400.00 | 90.00 | 180.00 | 6,011.00 | -527.31 | -806.58 | 603.39 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 90.00 | 180.00 | 6,011.00 | -627.31 | -806.59 | 702.92 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 90.00 | 180.00 | 6,011.00 | -727.31 | -806.59 | 802.44 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 90.00 | 180.00 | 6,011.00 | -827.31 | -806.60 | 901.97 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 90.00 | 180.00 | 6,011.00 | -927.31 | -806.61 | 1,001.49 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 90.00 | 180.00 | 6,011.00 | -1,027.31 | -806.62 | 1,101.02 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 90.00 | 180.00 | 6,011.00 | -1,127.31 | -806.62 | 1,200.54 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 90.00 | 180.00 | 6,011.00 | -1,227.31 | -806.63 | 1,300.07 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 90.00 | 180.00 | 6,011.00 | -1,327.31 | -806.64 | 1,399.59 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 90.00 | 180.00 | 6,011.00 | -1,427.31 | -806.65 | 1,499.12 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 90.00 | 180.00 | 6,011.00 | -1,527.31 | -806.65 | 1,598.64 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 90.00 | 180.00 | 6,011.00 | -1,627.31 | -806.66 | 1,698.17 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 90.00 | 180.00 | 6,011.00 | -1,727.31 | -806.67 | 1,797.69 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 90.00 | 180.00 | 6,011.00 | -1,827.31 | -806.68 | 1,897.22 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.00 | 180.00 | 6,011.00 | -1,927.31 | -806.68 | 1,996.74 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.00 | 180.00 | 6,011.00 | -2,027.31 | -806.69 | 2,096.26 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.00 | 180.00 | 6,011.00 | -2,127.31 | -806.70 | 2,195.79 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.00 | 180.00 | 6,011.00 | -2,227.31 | -806.71 | 2,295.31 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.00 | 180.00 | 6,011.00 | -2,327.31 | -806.71 | 2,394.84 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.00 | 180.00 | 6,011.00 | -2,427.31 | -806.72 | 2,494.36 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.00 | 180.00 | 6,011.00 | -2,527.31 | -806.73 | 2,593.89 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.00 | 180.00 | 6,011.00 | -2,627.31 | -806.73 | 2,693.41 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.00 | 180.00 | 6,011.00 | -2,727.31 | -806.74 | 2,792.94 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.00 | 180.00 | 6,011.00 | -2,827.31 | -806.75 | 2,892.46 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.00 | 180.00 | 6,011.00 | -2,927.31 | -806.76 | 2,991.99 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.00 | 180.00 | 6,011.00 | -3,027.31 | -806.76 | 3,091.51 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.00 | 180.00 | 6,011.00 | -3,127.31 | -806.77 | 3,191.04 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.00 | 180.00 | 6,011.00 | -3,227.31 | -806.78 | 3,290.56 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.00 | 180.00 | 6,011.00 | -3,327.31 | -806.79 | 3,390.09 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.00 | 180.00 | 6,011.00 | -3,427.31 | -806.79 | 3,489.61 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.00 | 180.00 | 6,011.00 | -3,527.31 | -806.80 | 3,589.14 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.00 | 180.00 | 6,011.00 | -3,627.31 | -806.81 | 3,688.66 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.00 | 180.00 | 6,011.00 | -3,727.31 | -806.82 | 3,788.19 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.00 | 180.00 | 6,011.00 | -3,827.31 | -806.82 | 3,887.71 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.00 | 180.00 | 6,011.00 | -3,927.31 | -806.83 | 3,987.24 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 180.00 | 6,011.00 | -4,027.31 | -806.84 | 4,086.76 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 180.00 | 6,011.00 | -4,127.31 | -806.85 | 4,186.29 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 180.00 | 6,011.00 | -4,227.31 | -806.85 | 4,285.81 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 180.00 | 6,011.00 | -4,327.31 | -806.86 | 4,385.34 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 180.00 | 6,011.00 | -4,427.31 | -806.87 | 4,484.86 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 180.00 | 6,011.00 | -4,527.31 | -806.87 | 4,584.39 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 180.00 | 6,011.00 | -4,627.31 | -806.88 | 4,683.91 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.00 | 180.00 | 6,011.00 | -4,727.31 | -806.89 | 4,783.44 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.00 | 180.00 | 6,011.00 | -4,827.31 | -806.90 | 4,882.96 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.00 | 180.00 | 6,011.00 | -4,927.31 | -806.90 | 4,982.49 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.00 | 180.00 | 6,011.00 | -5,027.31 | -806.91 | 5,082.01 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 180.00 | 6,011.00 | -5,127.31 | -806.92 | 5,181.54 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 180.00 | 6,011.00 | -5,227.31 | -806.93 | 5,281.06 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 180.00 | 6,011.00 | -5,327.31 | -806.93 | 5,380.59 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 180.00 | 6,011.00 | -5,427.31 | -806.94 | 5,480.11 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.00 | 180.00 | 6,011.00 | -5,527.31 | -806.95 | 5,579.64 | 0.00 | 0.00 | 0.00 |



Phoenix Technology Services LP

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|------------------------------|
| Database: | Compass 5000 RMR | Local Co-ordinate Reference: | Well Razor FED #12F-1302B |
| Company: | Whiting Oil & Gas Corporation | TVD Reference: | RKB @ 4957.80usft (Unit 409) |
| Project: | Weld County, Colorado (NAD 83) | MD Reference: | RKB @ 4957.80usft (Unit 409) |
| Site: | Sec.12-T10N-R58W | North Reference: | True |
| Well: | Razor FED #12F-1302B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH / Job# 1524098 | | |
| Design: | Plan 2 08-04-15 | | |

| 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) | |
| 11,500.00 | 90.00 | 180.00 | 6,011.00 | -5,627.31 | -806.96 | 5,679.16 | 0.00 | 0.00 | 0.00 | |
| 11,600.00 | 90.00 | 180.00 | 6,011.00 | -5,727.31 | -806.96 | 5,778.69 | 0.00 | 0.00 | 0.00 | |
| 11,700.00 | 90.00 | 180.00 | 6,011.00 | -5,827.31 | -806.97 | 5,878.21 | 0.00 | 0.00 | 0.00 | |
| 11,800.00 | 90.00 | 180.00 | 6,011.00 | -5,927.31 | -806.98 | 5,977.73 | 0.00 | 0.00 | 0.00 | |
| 11,900.00 | 90.00 | 180.00 | 6,011.00 | -6,027.31 | -806.99 | 6,077.26 | 0.00 | 0.00 | 0.00 | |
| 12,000.00 | 90.00 | 180.00 | 6,011.00 | -6,127.31 | -806.99 | 6,176.78 | 0.00 | 0.00 | 0.00 | |
| 12,100.00 | 90.00 | 180.00 | 6,011.00 | -6,227.31 | -807.00 | 6,276.31 | 0.00 | 0.00 | 0.00 | |
| 12,200.00 | 90.00 | 180.00 | 6,011.00 | -6,327.31 | -807.01 | 6,375.83 | 0.00 | 0.00 | 0.00 | |
| 12,300.00 | 90.00 | 180.00 | 6,011.00 | -6,427.31 | -807.01 | 6,475.36 | 0.00 | 0.00 | 0.00 | |
| 12,400.00 | 90.00 | 180.00 | 6,011.00 | -6,527.31 | -807.02 | 6,574.88 | 0.00 | 0.00 | 0.00 | |
| 12,500.00 | 90.00 | 180.00 | 6,011.00 | -6,627.31 | -807.03 | 6,674.41 | 0.00 | 0.00 | 0.00 | |
| 12,600.00 | 90.00 | 180.00 | 6,011.00 | -6,727.31 | -807.04 | 6,773.93 | 0.00 | 0.00 | 0.00 | |
| 12,700.00 | 90.00 | 180.00 | 6,011.00 | -6,827.31 | -807.04 | 6,873.46 | 0.00 | 0.00 | 0.00 | |
| 12,800.00 | 90.00 | 180.00 | 6,011.00 | -6,927.31 | -807.05 | 6,972.98 | 0.00 | 0.00 | 0.00 | |
| 12,900.00 | 90.00 | 180.00 | 6,011.00 | -7,027.31 | -807.06 | 7,072.51 | 0.00 | 0.00 | 0.00 | |
| 13,000.00 | 90.00 | 180.00 | 6,011.00 | -7,127.31 | -807.07 | 7,172.03 | 0.00 | 0.00 | 0.00 | |
| 13,100.00 | 90.00 | 180.00 | 6,011.00 | -7,227.31 | -807.07 | 7,271.56 | 0.00 | 0.00 | 0.00 | |
| 13,200.00 | 90.00 | 180.00 | 6,011.00 | -7,327.31 | -807.08 | 7,371.08 | 0.00 | 0.00 | 0.00 | |
| 13,300.00 | 90.00 | 180.00 | 6,011.00 | -7,427.31 | -807.09 | 7,470.61 | 0.00 | 0.00 | 0.00 | |
| 13,400.00 | 90.00 | 180.00 | 6,011.00 | -7,527.31 | -807.10 | 7,570.13 | 0.00 | 0.00 | 0.00 | |
| 13,500.00 | 90.00 | 180.00 | 6,011.00 | -7,627.31 | -807.10 | 7,669.66 | 0.00 | 0.00 | 0.00 | |
| 13,600.00 | 90.00 | 180.00 | 6,011.00 | -7,727.31 | -807.11 | 7,769.18 | 0.00 | 0.00 | 0.00 | |
| 13,700.00 | 90.00 | 180.00 | 6,011.00 | -7,827.31 | -807.12 | 7,868.71 | 0.00 | 0.00 | 0.00 | |
| 13,800.00 | 90.00 | 180.00 | 6,011.00 | -7,927.31 | -807.13 | 7,968.23 | 0.00 | 0.00 | 0.00 | |
| 13,900.00 | 90.00 | 180.00 | 6,011.00 | -8,027.31 | -807.13 | 8,067.76 | 0.00 | 0.00 | 0.00 | |
| 14,000.00 | 90.00 | 180.00 | 6,011.00 | -8,127.31 | -807.14 | 8,167.28 | 0.00 | 0.00 | 0.00 | |
| 14,100.00 | 90.00 | 180.00 | 6,011.00 | -8,227.31 | -807.15 | 8,266.81 | 0.00 | 0.00 | 0.00 | |
| 14,116.95 | 90.00 | 180.00 | 6,011.00 | -8,244.26 | -807.15 | 8,283.67 | 0.00 | 0.00 | 0.00 | |
| TD at 14116.95' MD | | | | | | | | | | |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| BHL_#12F-1302Bv2 | 0.00 | 0.00 | 6,011.00 | -8,244.26 | -807.15 | 1,550,280.510 | 3,464,558.530 | 40.831828 | -103.821195 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 6,379.48 | 6,011.00 | 7" | 7 | 7-1/2 | |



Phoenix Technology Services LP

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|------------------------------|
| Database: | Compass 5000 RMR | Local Co-ordinate Reference: | Well Razor FED #12F-1302B |
| Company: | Whiting Oil & Gas Corporation | TVD Reference: | RKB @ 4957.80usft (Unit 409) |
| Project: | Weld County, Colorado (NAD 83) | MD Reference: | RKB @ 4957.80usft (Unit 409) |
| Site: | Sec.12-T10N-R58W | North Reference: | True |
| Well: | Razor FED #12F-1302B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH / Job# 1524098 | | |
| Design: | Plan 2 08-04-15 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|-----------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,616.18 | -3,357.80 | Upper Pierre | | 0.00 | 185.59 | |
| 3,548.54 | -1,457.80 | Hygiene | | 0.00 | 185.59 | |
| 3,701.09 | -1,307.80 | Lower Pierre | | 0.00 | 185.59 | |
| 3,958.80 | 0.00 | Lower C Marl | | 0.00 | 185.59 | |
| 3,958.80 | 0.00 | Lower C Marker | | 0.00 | 185.59 | |
| 3,958.80 | 0.00 | Top Ft Hayes | | 0.00 | 185.59 | |
| 3,958.80 | 0.00 | Ft Hayes Marker | | 0.00 | 185.59 | |
| 3,958.80 | 0.00 | Top Codell | | 0.00 | 185.59 | |
| 5,782.79 | 747.20 | P200 Marker | | 0.00 | 185.59 | |
| 5,815.10 | 776.20 | P300 Marker | | 0.00 | 185.59 | |
| 5,834.53 | 793.20 | P350 Marker | | 0.00 | 185.59 | |
| 5,846.16 | 803.20 | Sharon Springs | | 0.00 | 185.59 | |
| 5,854.40 | 810.20 | Niobrara | | 0.00 | 185.59 | |
| 5,889.46 | 839.20 | Top A Chalk | | 0.00 | 185.59 | |
| 5,934.23 | 874.20 | Top B Marl | | 0.00 | 185.59 | |
| 5,962.76 | 895.20 | A Marl | | 0.00 | 185.59 | |
| 5,975.45 | 904.20 | Top Upper B | | 0.00 | 185.59 | |
| 6,010.99 | 928.20 | Base Upper B | | 0.00 | 185.59 | |
| 6,026.66 | 938.20 | Top Lower B | | 0.00 | 185.59 | |
| 6,075.89 | 967.20 | Base Lower B | | 0.00 | 185.59 | |
| 6,086.97 | 973.20 | Top B Marl | | 0.00 | 185.59 | |
| 6,176.65 | 1,014.20 | Top C Chalk | | 0.00 | 185.59 | |
| 6,201.85 | 1,023.20 | Mid C Chalk | | 0.00 | 185.59 | |
| 6,262.88 | 1,040.20 | Mid C Marl | | 0.00 | 185.59 | |
| 6,379.48 | 1,053.20 | Lower C Chalk | | 0.00 | 185.59 | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 300.00 | 300.00 | 0.00 | 0.00 | Begin 2°/100' Build | |
| 825.00 | 822.07 | 0.84 | -47.96 | Hold 10.50° Inc @ 271° Azm | |
| 4,724.99 | 4,656.75 | 13.24 | -758.58 | Begin 2°/100' Drop | |
| 5,249.99 | 5,178.82 | 14.08 | -806.54 | Begin Vertical Hold | |
| 5,561.30 | 5,490.13 | 14.08 | -806.54 | KOP, Begin 11°/100' Build | |
| 6,379.48 | 6,011.00 | -506.79 | -806.58 | LP, Hold 90° Inc @ 180° Azm | |
| 14,116.95 | 6,011.00 | -8,244.26 | -807.15 | TD at 14116.95' MD | |