



Synergy Resources Corp.

**Weld County, CO NAD 83
SRC Fagerberg 33-12 Pad
Fagerberg 11N-7A-M**

OH

Plan: Plan #1

Standard Planning Report

21 March, 2016





PROJECT DETAILS: Weld County, CO NAD 83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level
Local North: True

Project: Weld County, CO NAD 83
Site: SRC Fagerberg 33-12 Pad
Well: Fagerberg 11N-7A-M
Wellbore: OH
Design: Plan #1



Azinuths to True North
Magnetic North: 8.48°



Magnetic Field
Strength: 52591.5nT
Dip Angle: 67.03°
Date: 3/18/2016
Model: BGGM2015

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSEct |
|----------|-------|--------|---------|--------|---------|------|--------|---------|
| 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 |
| 760.68 | 9.21 | 312.94 | 758.70 | 25.18 | -27.06 | 2.00 | 312.94 | -27.28 |
| 1857.44 | 9.21 | 312.94 | 1841.30 | 144.82 | -155.60 | 0.00 | 0.00 | -156.89 |
| 2318.12 | 0.00 | 0.00 | 2300.00 | 170.00 | -182.66 | 2.00 | 180.00 | -184.17 |
| 6368.52 | 0.00 | 0.00 | 6350.40 | 170.00 | -182.66 | 0.00 | 0.00 | -184.17 |
| 7373.19 | 90.42 | 90.51 | 6987.00 | 164.24 | 458.60 | 9.00 | 90.51 | 457.12 |
| 15006.49 | 90.42 | 90.51 | 6931.00 | 95.69 | 8091.40 | 0.00 | 0.00 | 8090.22 |

WELL DETAILS: Fagerberg 11N-7A-M

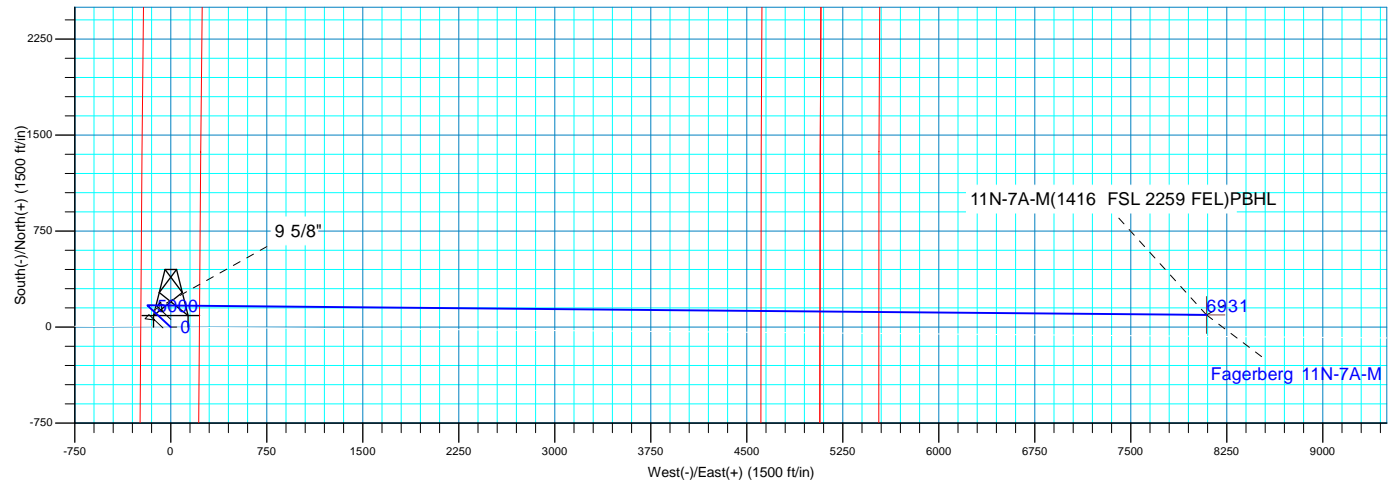
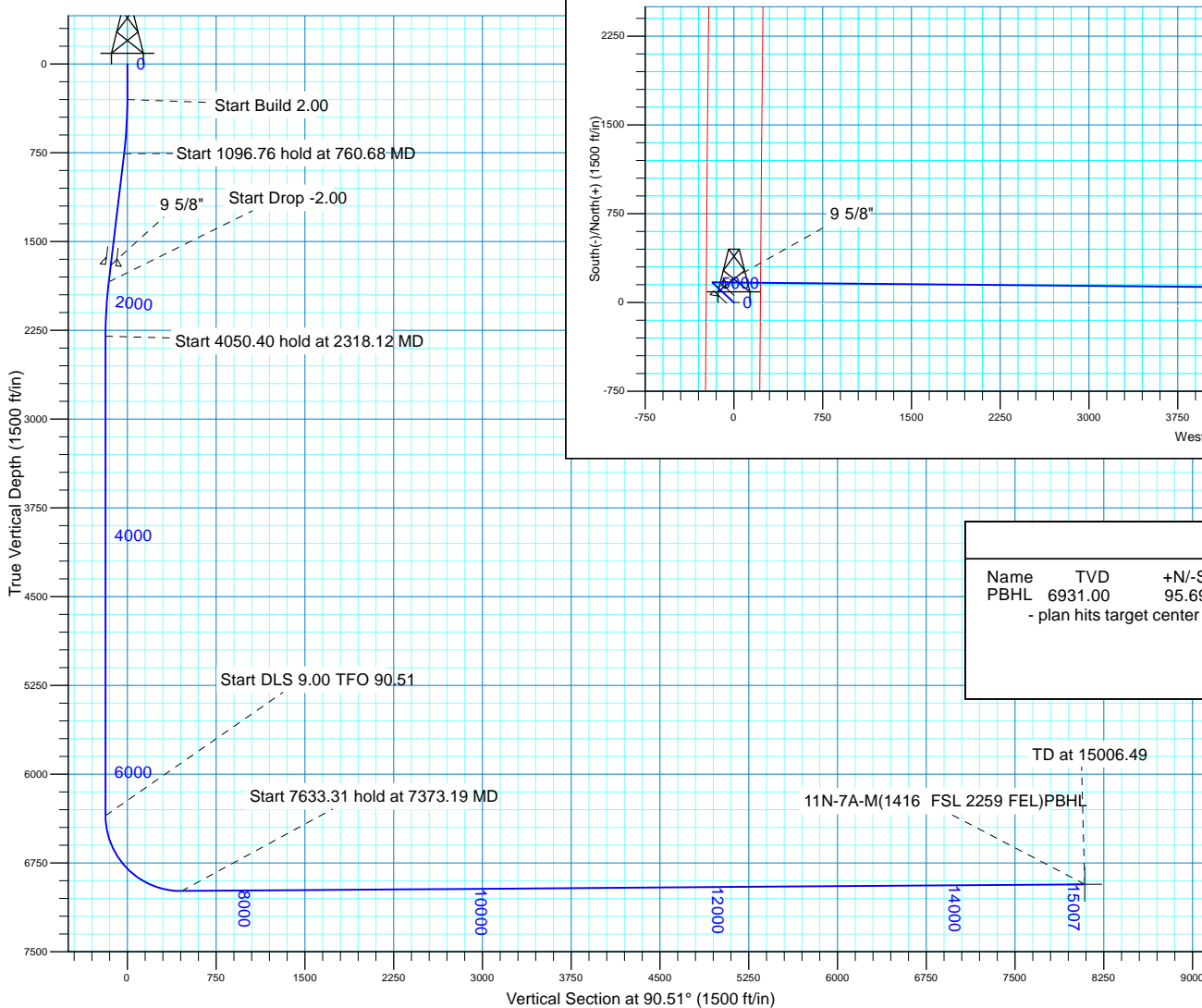
| | | GL 4800 & KB 20 @ 4820.00ft (PD 462) | | 4800.00 | |
|-------|-------|--------------------------------------|------------|------------|--------------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 0.00 | 0.00 | 1425587.87 | 3212989.89 | 40.4991150 | -104.7341240 |

Plan: Plan #1 (Fagerberg 11N-7A-M/OH)

CASING DETAILS

Created By: rscott Date: 15:18, March 21 2016

| TVD | MD | Name | Size |
|---------|---------|--------|-------|
| 1700.00 | 1714.29 | 9 5/8" | 9.625 |



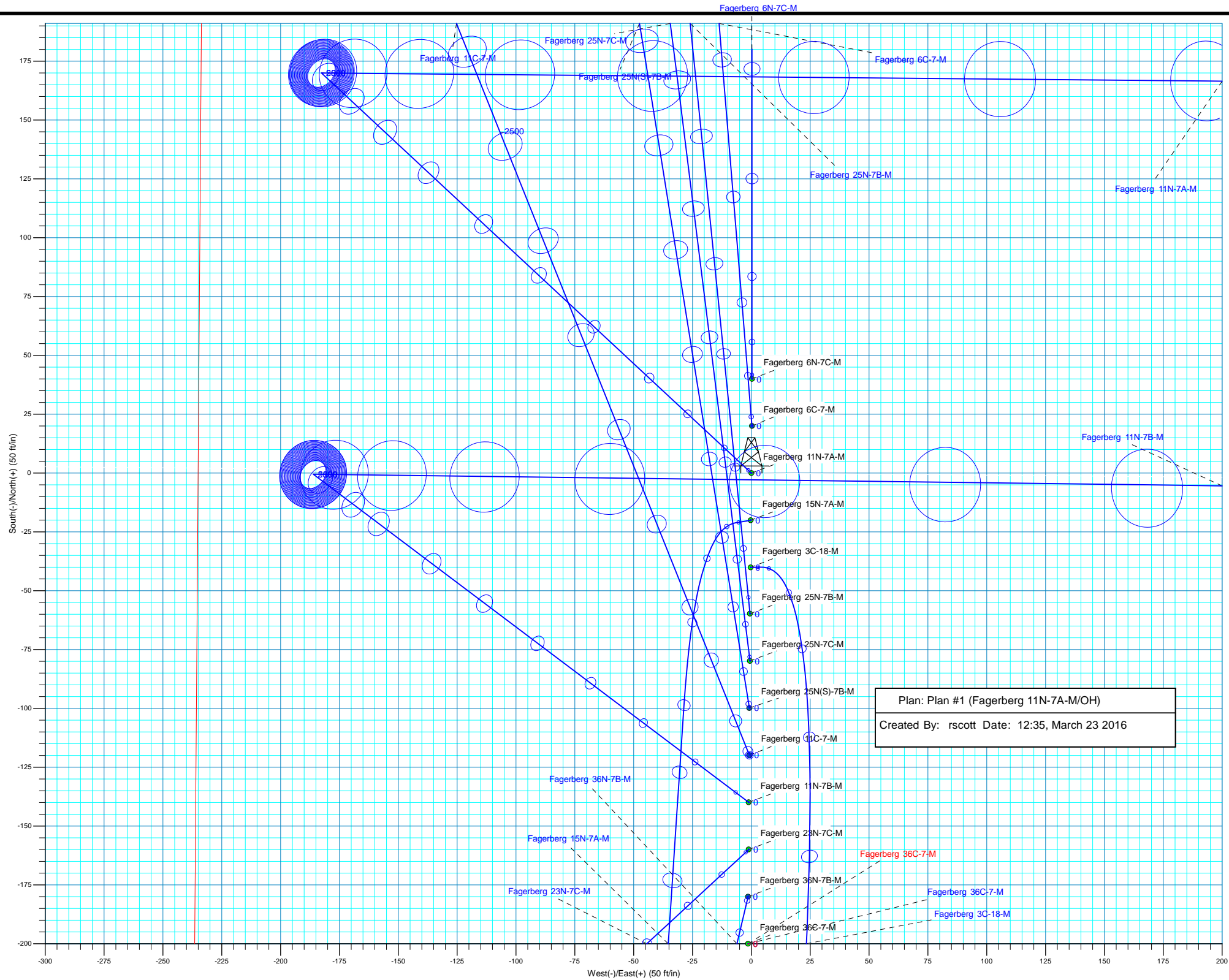
DESIGN TARGET DETAILS

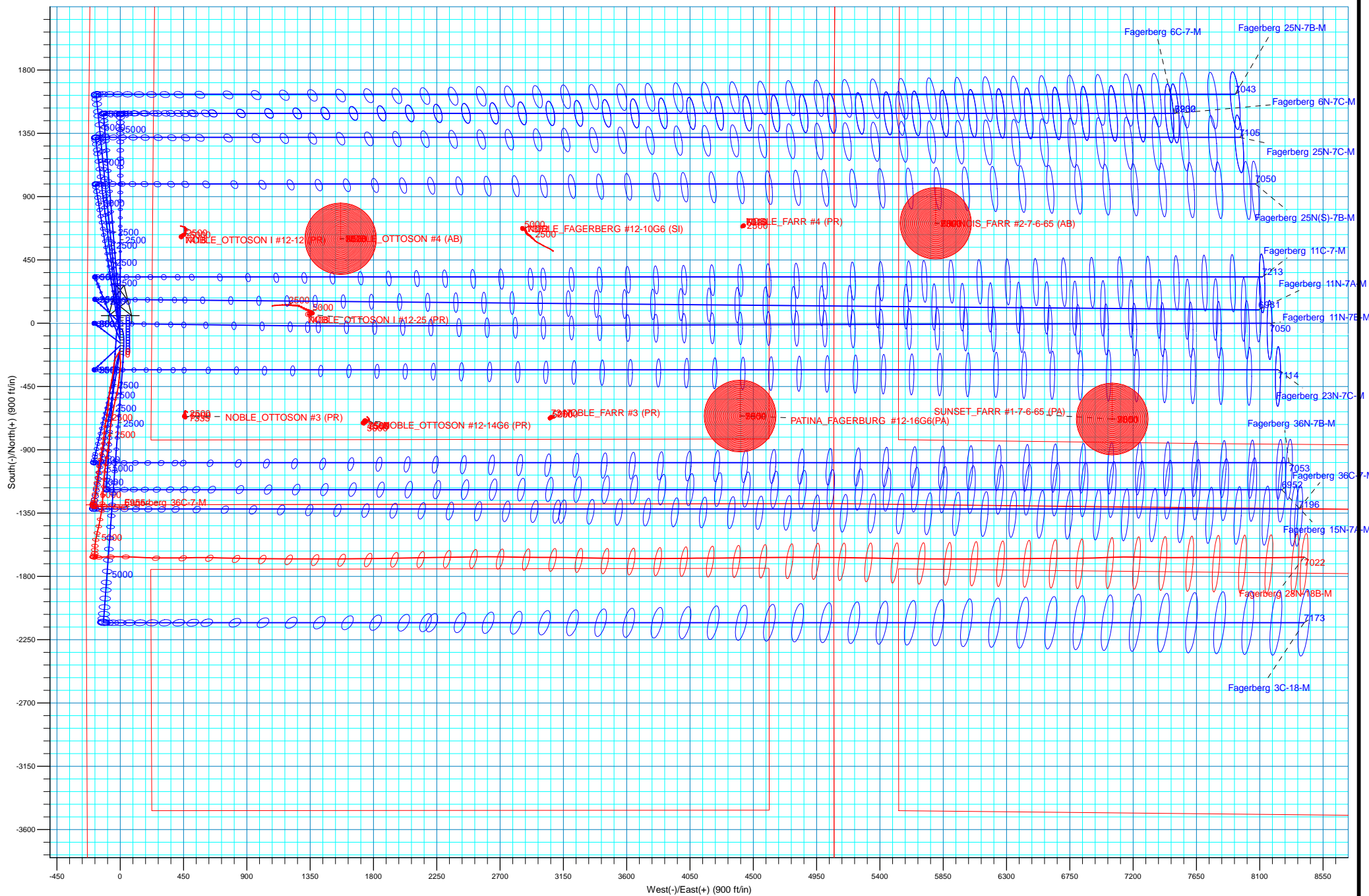
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|------|---------|-------|---------|------------|------------|------------|--------------|-------|
| PBHL | 6931.00 | 95.69 | 8091.40 | 1425753.44 | 3221080.14 | 40.4993740 | -104.7050290 | Point |

- plan hits target center

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation | DipDirInc |
|---------|---------|-------------------|-----------|
| 3749.00 | 3767.12 | Parkman | 0.00 |
| 4274.00 | 4292.12 | Sussex | 0.00 |
| 4820.00 | 4838.12 | Base of Fox Hills | 0.00 |
| 4944.00 | 4962.12 | Shannon | 0.00 |
| 5962.00 | 5980.12 | Lower Pierre | 0.00 |
| 6891.00 | 7014.31 | Sharon Springs | 58.12 |
| 6925.00 | 7085.17 | Nio A Chalk | 64.50 |
| 6946.00 | 7138.74 | Nio A Marl | 69.32 |





Plan: Plan #1 (Fagerberg 11N-7A-M/OH)

Created By: rscott Date: 12:37, March 23 2016

| | | | |
|------------------|-------------------------|-------------------------------------|--------------------------------------|
| Database: | Casper District | Local Co-ordinate Reference: | Well Fagerberg 11N-7A-M |
| Company: | Synergy Resources Corp. | TVD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Site: | SRC Fagerberg 33-12 Pad | North Reference: | True |
| Well: | Fagerberg 11N-7A-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Weld County, CO 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 | | SRC Fagerberg 33-12 Pad, SECTION 12 T6N R66W | | | |
| Site Position: | | Northing: | 1,425,367.83 usft | Latitude: | 40.4985110 |
| From: | Lat/Long | Easting: | 3,212,990.12 usft | Longitude: | -104.7341300 |
| Position Uncertainty: | 3.28 ft | Slot Radius: | 13.200 in | Grid Convergence: | 0.49 ° |

| | | | | | | |
|----------------------|--------------------------------------|-----------|---------------------|-------------------|---------------|--------------|
| Well | Fagerberg 11N-7A-M, 1291 FSL 235 FWL | | | | | |
| Well Position | +N/-S | 220.03 ft | Northing: | 1,425,587.87 usft | Latitude: | 40.4991150 |
| | +E/-W | 1.67 ft | Easting: | 3,212,989.89 usft | Longitude: | -104.7341240 |
| Position Uncertainty | | 3.28 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 4,800.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2015 | 3/18/2016 | 8.48 | 67.03 | 52,591 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 90.51 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | 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 | |
| 760.68 | 9.21 | 312.94 | 758.70 | 25.18 | -27.06 | 2.00 | 2.00 | 0.00 | 312.94 | |
| 1,857.44 | 9.21 | 312.94 | 1,841.30 | 144.82 | -155.60 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,318.12 | 0.00 | 0.00 | 2,300.00 | 170.00 | -182.66 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 6,368.52 | 0.00 | 0.00 | 6,350.40 | 170.00 | -182.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,373.19 | 90.42 | 90.51 | 6,987.00 | 164.24 | 458.60 | 9.00 | 9.00 | 9.01 | 90.51 | |
| 15,006.49 | 90.42 | 90.51 | 6,931.00 | 95.69 | 8,091.40 | 0.00 | 0.00 | 0.00 | 0.00 | 11N-7A-M(1416 FSL |

| | | | |
|------------------|-------------------------|-------------------------------------|--------------------------------------|
| Database: | Casper District | Local Co-ordinate Reference: | Well Fagerberg 11N-7A-M |
| Company: | Synergy Resources Corp. | TVD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Site: | SRC Fagerberg 33-12 Pad | North Reference: | True |
| Well: | Fagerberg 11N-7A-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 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 |
| Start Build 2.00 | | | | | | | | | |
| 400.00 | 2.00 | 312.94 | 399.98 | 1.19 | -1.28 | -1.29 | 2.00 | 2.00 | 0.00 |
| 500.00 | 4.00 | 312.94 | 499.84 | 4.75 | -5.11 | -5.15 | 2.00 | 2.00 | 0.00 |
| 600.00 | 6.00 | 312.94 | 599.45 | 10.69 | -11.49 | -11.58 | 2.00 | 2.00 | 0.00 |
| 700.00 | 8.00 | 312.94 | 698.70 | 18.99 | -20.41 | -20.58 | 2.00 | 2.00 | 0.00 |
| 760.68 | 9.21 | 312.94 | 758.70 | 25.18 | -27.06 | -27.28 | 2.00 | 2.00 | 0.00 |
| Start 1096.76 hold at 760.68 MD | | | | | | | | | |
| 800.00 | 9.21 | 312.94 | 797.51 | 29.47 | -31.66 | -31.93 | 0.00 | 0.00 | 0.00 |
| 900.00 | 9.21 | 312.94 | 896.22 | 40.38 | -43.39 | -43.74 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 9.21 | 312.94 | 994.93 | 51.29 | -55.11 | -55.56 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 9.21 | 312.94 | 1,093.64 | 62.20 | -66.83 | -67.38 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 9.21 | 312.94 | 1,192.35 | 73.10 | -78.55 | -79.20 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 9.21 | 312.94 | 1,291.06 | 84.01 | -90.27 | -91.01 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 9.21 | 312.94 | 1,389.77 | 94.92 | -101.99 | -102.83 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 9.21 | 312.94 | 1,488.48 | 105.83 | -113.71 | -114.65 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 9.21 | 312.94 | 1,587.19 | 116.74 | -125.43 | -126.46 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 9.21 | 312.94 | 1,685.90 | 127.65 | -137.15 | -138.28 | 0.00 | 0.00 | 0.00 |
| 1,714.29 | 9.21 | 312.94 | 1,700.00 | 129.20 | -138.83 | -139.97 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 1,800.00 | 9.21 | 312.94 | 1,784.61 | 138.55 | -148.87 | -150.10 | 0.00 | 0.00 | 0.00 |
| 1,857.44 | 9.21 | 312.94 | 1,841.30 | 144.82 | -155.60 | -156.89 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 1,900.00 | 8.36 | 312.94 | 1,883.37 | 149.25 | -160.36 | -161.69 | 2.00 | -2.00 | 0.00 |
| 2,000.00 | 6.36 | 312.94 | 1,982.54 | 157.98 | -169.74 | -171.14 | 2.00 | -2.00 | 0.00 |
| 2,100.00 | 4.36 | 312.94 | 2,082.09 | 164.35 | -176.58 | -178.04 | 2.00 | -2.00 | 0.00 |
| 2,200.00 | 2.36 | 312.94 | 2,181.92 | 168.34 | -180.88 | -182.37 | 2.00 | -2.00 | 0.00 |
| 2,300.00 | 0.36 | 312.94 | 2,281.88 | 169.96 | -182.62 | -184.12 | 2.00 | -2.00 | 0.00 |
| 2,318.12 | 0.00 | 0.00 | 2,300.00 | 170.00 | -182.66 | -184.17 | 2.00 | -2.00 | 0.00 |
| Start 4050.40 hold at 2318.12 MD | | | | | | | | | |
| 2,400.00 | 0.00 | 0.00 | 2,381.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,481.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,581.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,681.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,781.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | 0.00 | 2,881.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 2,981.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,081.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 0.00 | 0.00 | 3,181.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 0.00 | 0.00 | 3,281.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 0.00 | 0.00 | 3,381.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 0.00 | 0.00 | 3,481.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 0.00 | 0.00 | 3,581.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 0.00 | 0.00 | 3,681.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,767.12 | 0.00 | 0.00 | 3,749.00 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | |
| 3,800.00 | 0.00 | 0.00 | 3,781.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 0.00 | 0.00 | 3,881.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 0.00 | 0.00 | 3,981.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 0.00 | 0.00 | 4,081.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------|-------------------------------------|--------------------------------------|
| Database: | Casper District | Local Co-ordinate Reference: | Well Fagerberg 11N-7A-M |
| Company: | Synergy Resources Corp. | TVD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Site: | SRC Fagerberg 33-12 Pad | North Reference: | True |
| Well: | Fagerberg 11N-7A-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,200.00 | 0.00 | 0.00 | 4,181.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,292.12 | 0.00 | 0.00 | 4,274.00 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| Sussex | | | | | | | | | |
| 4,300.00 | 0.00 | 0.00 | 4,281.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 0.00 | 0.00 | 4,381.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 0.00 | 0.00 | 4,481.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 0.00 | 0.00 | 4,581.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 0.00 | 0.00 | 4,681.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 0.00 | 0.00 | 4,781.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,838.12 | 0.00 | 0.00 | 4,820.00 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| Base of Fox Hills | | | | | | | | | |
| 4,900.00 | 0.00 | 0.00 | 4,881.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 4,962.12 | 0.00 | 0.00 | 4,944.00 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| Shannon | | | | | | | | | |
| 5,000.00 | 0.00 | 0.00 | 4,981.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 5,081.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 5,181.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,281.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,381.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,481.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,581.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,681.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,781.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,881.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 5,980.12 | 0.00 | 0.00 | 5,962.00 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| Lower Pierre | | | | | | | | | |
| 6,000.00 | 0.00 | 0.00 | 5,981.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 6,081.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,181.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,281.88 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| 6,368.52 | 0.00 | 0.00 | 6,350.40 | 170.00 | -182.66 | -184.17 | 0.00 | 0.00 | 0.00 |
| Start DLS 9.00 TFO 90.51 | | | | | | | | | |
| 6,400.00 | 2.83 | 90.51 | 6,381.87 | 169.99 | -181.88 | -183.39 | 9.00 | 9.00 | 0.00 |
| 6,500.00 | 11.83 | 90.51 | 6,480.95 | 169.88 | -169.13 | -170.64 | 9.00 | 9.00 | 0.00 |
| 6,600.00 | 20.83 | 90.51 | 6,576.82 | 169.63 | -141.04 | -142.54 | 9.00 | 9.00 | 0.00 |
| 6,700.00 | 29.83 | 90.51 | 6,667.11 | 169.24 | -98.29 | -99.80 | 9.00 | 9.00 | 0.00 |
| 6,800.00 | 38.83 | 90.51 | 6,749.60 | 168.74 | -41.95 | -43.45 | 9.00 | 9.00 | 0.00 |
| 6,900.00 | 47.83 | 90.51 | 6,822.26 | 168.12 | 26.60 | 25.10 | 9.00 | 9.00 | 0.00 |
| 7,000.00 | 56.83 | 90.51 | 6,883.31 | 167.41 | 105.67 | 104.18 | 9.00 | 9.00 | 0.00 |
| 7,014.31 | 58.12 | 90.51 | 6,891.00 | 167.30 | 117.74 | 116.25 | 9.00 | 9.00 | 0.00 |
| Sharon Springs | | | | | | | | | |
| 7,085.17 | 64.50 | 90.51 | 6,925.00 | 166.74 | 179.87 | 178.37 | 9.00 | 9.00 | 0.00 |
| Nio A Chalk | | | | | | | | | |
| 7,100.00 | 65.83 | 90.51 | 6,931.23 | 166.62 | 193.32 | 191.83 | 9.00 | 9.00 | 0.00 |
| 7,138.74 | 69.32 | 90.51 | 6,946.00 | 166.30 | 229.12 | 227.63 | 9.00 | 9.00 | 0.00 |
| Nio A Marl | | | | | | | | | |
| 7,200.00 | 74.83 | 90.51 | 6,964.85 | 165.78 | 287.39 | 285.90 | 9.00 | 9.00 | 0.00 |
| 7,300.00 | 83.83 | 90.51 | 6,983.34 | 164.90 | 385.55 | 384.07 | 9.00 | 9.00 | 0.00 |
| 7,373.19 | 90.42 | 90.51 | 6,987.00 | 164.24 | 458.60 | 457.12 | 9.00 | 9.00 | 0.00 |
| Start 7633.31 hold at 7373.19 MD | | | | | | | | | |
| 7,400.00 | 90.42 | 90.51 | 6,986.81 | 164.00 | 485.42 | 483.94 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 90.42 | 90.51 | 6,986.07 | 163.10 | 585.41 | 583.93 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 90.42 | 90.51 | 6,985.34 | 162.20 | 685.40 | 683.93 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------|-------------------------------------|--------------------------------------|
| Database: | Casper District | Local Co-ordinate Reference: | Well Fagerberg 11N-7A-M |
| Company: | Synergy Resources Corp. | TVD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Site: | SRC Fagerberg 33-12 Pad | North Reference: | True |
| Well: | Fagerberg 11N-7A-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 7,700.00 | 90.42 | 90.51 | 6,984.61 | 161.31 | 785.40 | 783.93 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.42 | 90.51 | 6,983.87 | 160.41 | 885.39 | 883.93 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.42 | 90.51 | 6,983.14 | 159.51 | 985.38 | 983.92 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.42 | 90.51 | 6,982.40 | 158.61 | 1,085.38 | 1,083.92 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.42 | 90.51 | 6,981.67 | 157.71 | 1,185.37 | 1,183.92 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.42 | 90.51 | 6,980.94 | 156.82 | 1,285.36 | 1,283.92 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.42 | 90.51 | 6,980.20 | 155.92 | 1,385.36 | 1,383.91 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.42 | 90.51 | 6,979.47 | 155.02 | 1,485.35 | 1,483.91 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.42 | 90.51 | 6,978.74 | 154.12 | 1,585.34 | 1,583.91 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.42 | 90.51 | 6,978.00 | 153.22 | 1,685.34 | 1,683.90 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.42 | 90.51 | 6,977.27 | 152.33 | 1,785.33 | 1,783.90 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.42 | 90.51 | 6,976.53 | 151.43 | 1,885.32 | 1,883.90 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.42 | 90.51 | 6,975.80 | 150.53 | 1,985.32 | 1,983.90 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.42 | 90.51 | 6,975.07 | 149.63 | 2,085.31 | 2,083.89 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.42 | 90.51 | 6,974.33 | 148.73 | 2,185.30 | 2,183.89 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.42 | 90.51 | 6,973.60 | 147.84 | 2,285.30 | 2,283.89 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.42 | 90.51 | 6,972.87 | 146.94 | 2,385.29 | 2,383.89 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.42 | 90.51 | 6,972.13 | 146.04 | 2,485.28 | 2,483.88 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.42 | 90.51 | 6,971.40 | 145.14 | 2,585.28 | 2,583.88 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.42 | 90.51 | 6,970.67 | 144.24 | 2,685.27 | 2,683.88 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.42 | 90.51 | 6,969.93 | 143.35 | 2,785.26 | 2,783.88 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.42 | 90.51 | 6,969.20 | 142.45 | 2,885.25 | 2,883.87 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.42 | 90.51 | 6,968.46 | 141.55 | 2,985.25 | 2,983.87 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.42 | 90.51 | 6,967.73 | 140.65 | 3,085.24 | 3,083.87 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.42 | 90.51 | 6,967.00 | 139.75 | 3,185.23 | 3,183.86 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.42 | 90.51 | 6,966.26 | 138.86 | 3,285.23 | 3,283.86 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.42 | 90.51 | 6,965.53 | 137.96 | 3,385.22 | 3,383.86 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.42 | 90.51 | 6,964.80 | 137.06 | 3,485.21 | 3,483.86 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.42 | 90.51 | 6,964.06 | 136.16 | 3,585.21 | 3,583.85 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.42 | 90.51 | 6,963.33 | 135.26 | 3,685.20 | 3,683.85 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.42 | 90.51 | 6,962.60 | 134.37 | 3,785.19 | 3,783.85 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.42 | 90.51 | 6,961.86 | 133.47 | 3,885.19 | 3,883.85 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.42 | 90.51 | 6,961.13 | 132.57 | 3,985.18 | 3,983.84 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.42 | 90.51 | 6,960.39 | 131.67 | 4,085.17 | 4,083.84 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.42 | 90.51 | 6,959.66 | 130.77 | 4,185.17 | 4,183.84 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.42 | 90.51 | 6,958.93 | 129.88 | 4,285.16 | 4,283.84 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.42 | 90.51 | 6,958.19 | 128.98 | 4,385.15 | 4,383.83 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.42 | 90.51 | 6,957.46 | 128.08 | 4,485.15 | 4,483.83 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.42 | 90.51 | 6,956.73 | 127.18 | 4,585.14 | 4,583.83 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.42 | 90.51 | 6,955.99 | 126.28 | 4,685.13 | 4,683.82 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.42 | 90.51 | 6,955.26 | 125.39 | 4,785.13 | 4,783.82 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.42 | 90.51 | 6,954.52 | 124.49 | 4,885.12 | 4,883.82 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.42 | 90.51 | 6,953.79 | 123.59 | 4,985.11 | 4,983.82 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.42 | 90.51 | 6,953.06 | 122.69 | 5,085.11 | 5,083.81 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.42 | 90.51 | 6,952.32 | 121.79 | 5,185.10 | 5,183.81 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.42 | 90.51 | 6,951.59 | 120.90 | 5,285.09 | 5,283.81 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.42 | 90.51 | 6,950.86 | 120.00 | 5,385.09 | 5,383.81 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.42 | 90.51 | 6,950.12 | 119.10 | 5,485.08 | 5,483.80 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.42 | 90.51 | 6,949.39 | 118.20 | 5,585.07 | 5,583.80 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.42 | 90.51 | 6,948.66 | 117.30 | 5,685.07 | 5,683.80 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.42 | 90.51 | 6,947.92 | 116.41 | 5,785.06 | 5,783.79 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.42 | 90.51 | 6,947.19 | 115.51 | 5,885.05 | 5,883.79 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.42 | 90.51 | 6,946.45 | 114.61 | 5,985.05 | 5,983.79 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.42 | 90.51 | 6,945.72 | 113.71 | 6,085.04 | 6,083.79 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------|-------------------------------------|--------------------------------------|
| Database: | Casper District | Local Co-ordinate Reference: | Well Fagerberg 11N-7A-M |
| Company: | Synergy Resources Corp. | TVD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Site: | SRC Fagerberg 33-12 Pad | North Reference: | True |
| Well: | Fagerberg 11N-7A-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 13,100.00 | 90.42 | 90.51 | 6,944.99 | 112.81 | 6,185.03 | 6,183.78 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.42 | 90.51 | 6,944.25 | 111.92 | 6,285.03 | 6,283.78 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.42 | 90.51 | 6,943.52 | 111.02 | 6,385.02 | 6,383.78 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.42 | 90.51 | 6,942.79 | 110.12 | 6,485.01 | 6,483.78 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.42 | 90.51 | 6,942.05 | 109.22 | 6,585.01 | 6,583.77 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.42 | 90.51 | 6,941.32 | 108.33 | 6,685.00 | 6,683.77 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.42 | 90.51 | 6,940.59 | 107.43 | 6,784.99 | 6,783.77 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.42 | 90.51 | 6,939.85 | 106.53 | 6,884.99 | 6,883.77 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.42 | 90.51 | 6,939.12 | 105.63 | 6,984.98 | 6,983.76 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.42 | 90.51 | 6,938.38 | 104.73 | 7,084.97 | 7,083.76 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.42 | 90.51 | 6,937.65 | 103.84 | 7,184.97 | 7,183.76 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.42 | 90.51 | 6,936.92 | 102.94 | 7,284.96 | 7,283.75 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.42 | 90.51 | 6,936.18 | 102.04 | 7,384.95 | 7,383.75 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.42 | 90.51 | 6,935.45 | 101.14 | 7,484.95 | 7,483.75 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.42 | 90.51 | 6,934.72 | 100.24 | 7,584.94 | 7,583.75 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.42 | 90.51 | 6,933.98 | 99.35 | 7,684.93 | 7,683.74 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.42 | 90.51 | 6,933.25 | 98.45 | 7,784.93 | 7,783.74 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.42 | 90.51 | 6,932.52 | 97.55 | 7,884.92 | 7,883.74 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.42 | 90.51 | 6,931.78 | 96.65 | 7,984.91 | 7,983.74 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.42 | 90.51 | 6,931.05 | 95.75 | 8,084.91 | 8,083.73 | 0.00 | 0.00 | 0.00 |
| 15,006.49 | 90.42 | 90.51 | 6,931.00 | 95.69 | 8,091.40 | 8,090.22 | 0.00 | 0.00 | 0.00 |
| TD at 15006.49 - 11N-7A-M(1416 FSL 2259 FEL)PBHL | | | | | | | | | |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|------------|--------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| 11N-7A-M(1416 FSL 22 | 0.00 | 0.00 | 6,931.00 | 95.69 | 8,091.40 | 1,425,753.44 | 3,221,080.15 | 40.4993740 | -104.7050290 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|---------------------|---------------------|--------|----------------------|--------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,714.29 | 1,700.00 | 9 5/8" | 9.625 | 13.500 | |

| | | | |
|------------------|-------------------------|-------------------------------------|--------------------------------------|
| Database: | Casper District | Local Co-ordinate Reference: | Well Fagerberg 11N-7A-M |
| Company: | Synergy Resources Corp. | TVD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4800 & KB 20 @ 4820.00ft (PD 462) |
| Site: | SRC Fagerberg 33-12 Pad | North Reference: | True |
| Well: | Fagerberg 11N-7A-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Formations | | | | | | |
|---------------------|---------------------|-------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,767.12 | 3,749.00 | Parkman | | | | |
| 4,292.12 | 4,274.00 | Sussex | | | | |
| 4,838.12 | 4,820.00 | Base of Fox Hills | | | | |
| 4,962.12 | 4,944.00 | Shannon | | | | |
| 5,980.12 | 5,962.00 | Lower Pierre | | | | |
| 7,014.31 | 6,891.00 | Sharon Springs | | | | |
| 7,085.17 | 6,925.00 | Nio A Chalk | | | | |
| 7,138.74 | 6,946.00 | Nio A Marl | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 300.00 | 300.00 | 0.00 | 0.00 | Start Build 2.00 | |
| 760.68 | 758.70 | 25.18 | -27.06 | Start 1096.76 hold at 760.68 MD | |
| 1,857.44 | 1,841.30 | 144.82 | -155.60 | Start Drop -2.00 | |
| 2,318.12 | 2,300.00 | 170.00 | -182.66 | Start 4050.40 hold at 2318.12 MD | |
| 6,368.52 | 6,350.40 | 170.00 | -182.66 | Start DLS 9.00 TFO 90.51 | |
| 7,373.19 | 6,987.00 | 164.24 | 458.60 | Start 7633.31 hold at 7373.19 MD | |
| 15,006.49 | 6,931.00 | 95.69 | 8,091.40 | TD at 15006.49 | |