



Stone Energy Corporation

Mary Prospect
Tracy Pad
Tracy 8H - Slot 8

OH

Design: As Drilled

Standard Survey Report

30 October, 2014



www.scientificdrilling.com

06/02/2017



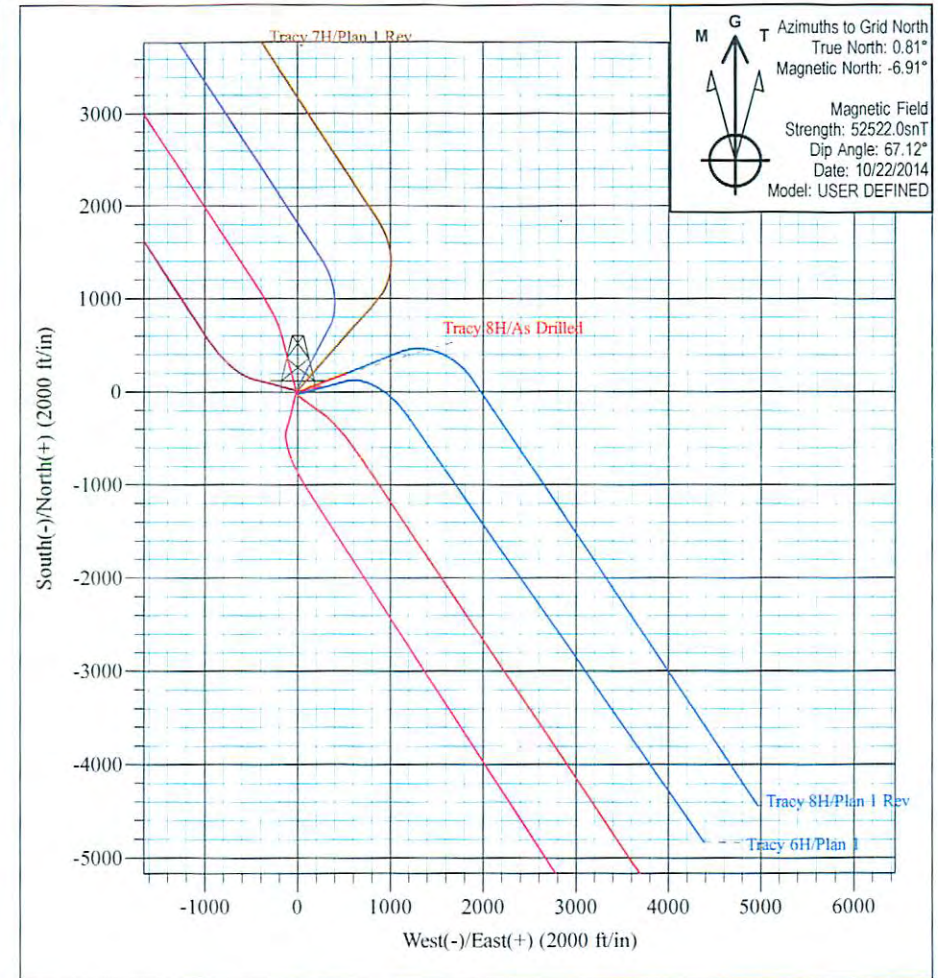
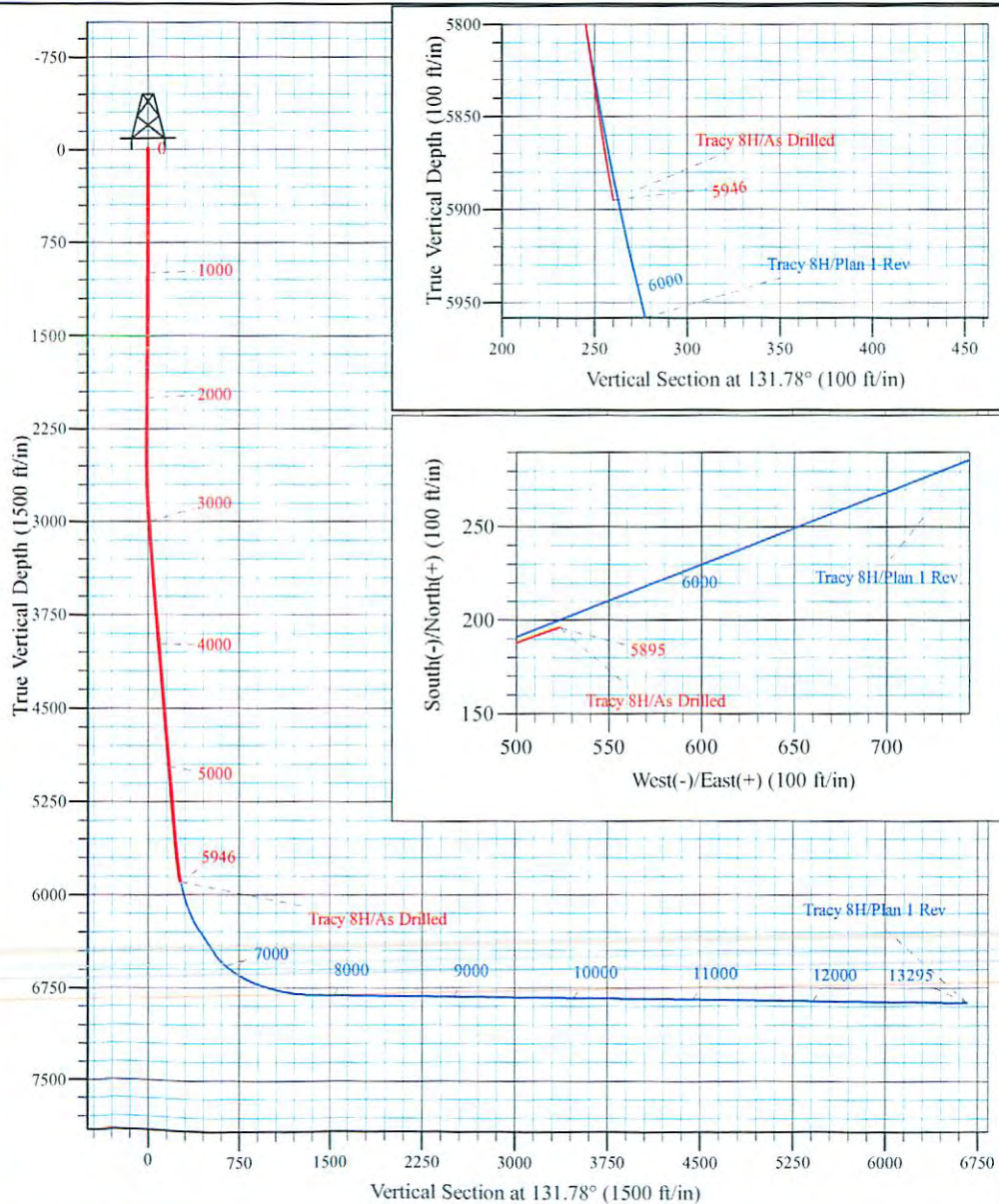
Tracy Pad
 Tracy 8H
 As Drilled
 GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
 Mary Prospect

PROJECT DETAILS:
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: West Virginia North 4701
 System Datum: Mean Sea Level



WELL DETAILS: Tracy 8H

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-------|-------|-----------|------------|-----------------|------------------|
| 0.00 | 0.00 | 410124.11 | 1644328.94 | 39° 37' 8.999 N | 80° 45' 45.405 W |



M G T
 Azimuths to Grid North
 True North: 0.81°
 Magnetic North: -6.91°
 Magnetic Field
 Strength: 52522.0snT
 Dip Angle: 67.12°
 Date: 10/22/2014
 Model: USER DEFINED

Shane Rhodes
 15:38, October 30 2014
 Scientific Drilling International
 124 Vista Drive
 Charleroi, PA 15022



Scientific Drilling International
Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|---|
| Company: | Stone Energy Corporation | Local Co-ordinate Reference: | Well Tracy 8H - Slot 8 |
| Project: | Mary Prospect | TVD Reference: | GL 1101' & KB 10' @ 1111.00ft (Highlands 2) |
| Site: | Tracy Pad | MD Reference: | GL 1101' & KB 10' @ 1111.00ft (Highlands 2) |
| Well: | Tracy 8H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | As Drilled | Database: | Northeast District |

| | | | |
|--------------------|---|----------------------|----------------|
| Project | Mary Prospect, Wetzel County, West Virginia | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | West Virginia North 4701 | | |

| | | | | | |
|------------------------------|-----------|---------------------|-------------------|--------------------------|------------------|
| Site | Tracy Pad | | | | |
| Site Position: | | Northing: | 410,140.88 usft | Latitude: | 39° 37' 9.161 N |
| From: | Map | Easting: | 1,644,306.16 usft | Longitude: | 80° 45' 45.699 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | -0.81 ° |

| | | | | | | |
|-----------------------------|-------------------|---------|----------------------------|-------------------|----------------------|------------------|
| Well | Tracy 8H - Slot 8 | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 410,124.11 usft | Latitude: | 39° 37' 8.999 N |
| | +E/-W | 0.00 ft | Easting: | 1,644,328.94 usft | Longitude: | 80° 45' 45.405 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 1,101.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | User Defined | 9/25/2014 | -7.70 | 67.13 | 52,533 |
| | User Defined | 10/22/2014 | -7.71 | 67.12 | 52,522 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | As Drilled | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 131.78 | |

| | | | | | |
|-----------------------|----------------|---------------------------|------------------|------------------------------|--|
| Survey Program | Date | 10/30/2014 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 100.00 | 2,407.00 | Survey #1 - VES Gyro (OH) | VES GyroFlex | | |
| 2,456.00 | 5,946.00 | Survey #2 - SDI MWD (OH) | SDI MWD | SDI MWD - Standard ver 1.0.1 | |

| | | | | | | | | | | |
|--------------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|------|
| Survey | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | 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 | 0.00 |
| 100.00 | 0.60 | 198.35 | 100.00 | -0.50 | -0.16 | 0.21 | 0.60 | 0.60 | 0.00 | 0.00 |
| First VES Gyro @ 100 MD | | | | | | | | | | |
| 200.00 | 0.42 | 179.53 | 199.99 | -1.36 | -0.33 | 0.66 | 0.24 | -0.18 | -18.82 | |
| 300.00 | 0.08 | 161.59 | 299.99 | -1.79 | -0.30 | 0.97 | 0.34 | -0.34 | -17.94 | |
| 400.00 | 0.17 | 269.89 | 399.99 | -1.86 | -0.43 | 0.92 | 0.21 | 0.09 | 108.30 | |
| 500.00 | 0.15 | 179.61 | 499.99 | -1.99 | -0.58 | 0.90 | 0.23 | -0.02 | -90.28 | |
| 600.00 | 0.33 | 267.85 | 599.99 | -2.13 | -0.86 | 0.78 | 0.36 | 0.18 | 88.24 | |



Scientific Drilling International
Survey Report



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|------------------|--------------------------|-------------------------------------|---|
| Company: | Stone Energy Corporation | Local Co-ordinate Reference: | Well Tracy 8H - Slot 8 |
| Project: | Mary Prospect | TVD Reference: | GL 1101' & KB 10' @ 1111.00ft (Highlands 2) |
| Site: | Tracy Pad | MD Reference: | GL 1101' & KB 10' @ 1111.00ft (Highlands 2) |
| Well: | Tracy 8H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | As Drilled | Database: | Northeast District |

| Survey | | | | | | | | | | |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 700.00 | 0.25 | 244.63 | 699.99 | -2.24 | -1.35 | 0.49 | 0.14 | -0.08 | -23.22 | |
| 800.00 | 0.22 | 258.86 | 799.99 | -2.37 | -1.73 | 0.29 | 0.07 | -0.03 | 14.23 | |
| 900.00 | 0.09 | 298.85 | 899.99 | -2.37 | -1.99 | 0.09 | 0.16 | -0.13 | 39.99 | |
| 1,000.00 | 0.10 | 264.27 | 999.99 | -2.34 | -2.15 | -0.04 | 0.06 | 0.01 | -34.58 | |
| 1,100.00 | 0.23 | 248.02 | 1,099.99 | -2.42 | -2.42 | -0.19 | 0.14 | 0.13 | -16.25 | |
| 1,200.00 | 0.27 | 256.11 | 1,199.99 | -2.55 | -2.83 | -0.41 | 0.05 | 0.04 | 8.09 | |
| 1,300.00 | 0.33 | 276.28 | 1,299.99 | -2.58 | -3.35 | -0.78 | 0.12 | 0.06 | 20.17 | |
| 1,400.00 | 0.26 | 281.67 | 1,399.99 | -2.50 | -3.86 | -1.21 | 0.08 | -0.07 | 5.39 | |
| 1,500.00 | 0.56 | 295.84 | 1,499.98 | -2.24 | -4.52 | -1.88 | 0.31 | 0.30 | 14.17 | |
| 1,600.00 | 0.32 | 317.34 | 1,599.98 | -1.82 | -5.15 | -2.62 | 0.29 | -0.24 | 21.50 | |
| 1,700.00 | 0.42 | 344.71 | 1,699.98 | -1.26 | -5.43 | -3.21 | 0.20 | 0.10 | 27.37 | |
| 1,800.00 | 0.31 | 356.99 | 1,799.98 | -0.64 | -5.54 | -3.71 | 0.13 | -0.11 | 12.28 | |
| 1,875.00 | 0.73 | 353.36 | 1,874.97 | 0.04 | -5.61 | -4.21 | 0.56 | 0.56 | -4.84 | |
| 2,000.00 | 0.53 | 351.09 | 1,999.96 | 1.40 | -5.79 | -5.25 | 0.16 | -0.16 | -1.82 | |
| 2,100.00 | 0.63 | 346.71 | 2,099.96 | 2.39 | -5.99 | -6.06 | 0.11 | 0.10 | -4.38 | |
| 2,200.00 | 0.70 | 357.94 | 2,199.95 | 3.54 | -6.14 | -6.93 | 0.15 | 0.07 | 11.23 | |
| 2,300.00 | 0.85 | 345.02 | 2,299.94 | 4.86 | -6.35 | -7.98 | 0.23 | 0.15 | -12.92 | |
| 2,407.00 | 1.16 | 338.54 | 2,406.93 | 6.64 | -6.95 | -9.61 | 0.31 | 0.29 | -6.06 | |
| Last VES Gyro @ 2407 MD | | | | | | | | | | |
| 2,456.00 | 0.96 | 348.16 | 2,455.92 | 7.50 | -7.22 | -10.38 | 0.55 | -0.41 | 19.63 | |
| First SDI MWD @ 2456 MD | | | | | | | | | | |
| 2,550.00 | 1.32 | 47.11 | 2,549.90 | 9.01 | -6.59 | -10.91 | 1.24 | 0.38 | 62.71 | |
| 2,644.00 | 2.73 | 84.43 | 2,643.85 | 9.96 | -3.57 | -9.30 | 1.98 | 1.50 | 39.70 | |
| 2,738.00 | 4.14 | 79.68 | 2,737.67 | 10.79 | 2.00 | -5.70 | 1.53 | 1.50 | -5.05 | |
| 2,833.00 | 5.46 | 78.43 | 2,832.34 | 12.31 | 9.80 | -0.89 | 1.39 | 1.39 | -1.32 | |
| 2,927.00 | 6.62 | 80.24 | 2,925.82 | 14.12 | 19.52 | 5.15 | 1.25 | 1.23 | 1.93 | |
| 3,021.00 | 7.73 | 79.81 | 3,019.08 | 16.16 | 31.09 | 12.41 | 1.18 | 1.18 | -0.46 | |
| 3,115.00 | 8.92 | 77.31 | 3,112.09 | 18.88 | 44.42 | 20.54 | 1.32 | 1.27 | -2.66 | |
| 3,209.00 | 9.80 | 71.31 | 3,204.84 | 23.05 | 59.11 | 28.72 | 1.40 | 0.94 | -6.38 | |
| 3,303.00 | 10.26 | 65.50 | 3,297.40 | 29.08 | 74.30 | 36.03 | 1.18 | 0.49 | -6.18 | |
| 3,397.00 | 10.24 | 60.85 | 3,389.90 | 36.62 | 89.22 | 42.13 | 0.88 | -0.02 | -4.95 | |
| 3,491.00 | 10.24 | 62.05 | 3,482.41 | 44.61 | 103.90 | 47.75 | 0.23 | 0.00 | 1.28 | |
| 3,585.00 | 9.89 | 66.79 | 3,574.96 | 51.71 | 118.70 | 54.06 | 0.96 | -0.37 | 5.04 | |
| 3,679.00 | 10.04 | 73.36 | 3,667.55 | 57.23 | 133.97 | 61.77 | 1.22 | 0.16 | 6.99 | |
| 3,773.00 | 10.13 | 71.74 | 3,760.09 | 62.17 | 149.67 | 70.19 | 0.32 | 0.10 | -1.72 | |
| 3,867.00 | 10.03 | 67.56 | 3,852.64 | 67.89 | 165.08 | 77.87 | 0.79 | -0.11 | -4.45 | |
| 3,961.00 | 9.90 | 70.18 | 3,945.23 | 73.75 | 180.25 | 85.28 | 0.50 | -0.14 | 2.79 | |
| 4,055.00 | 9.56 | 75.51 | 4,037.88 | 78.44 | 195.41 | 93.46 | 1.02 | -0.36 | 5.67 | |
| 4,150.00 | 9.20 | 72.04 | 4,131.61 | 82.76 | 210.27 | 101.66 | 0.71 | -0.38 | -3.65 | |
| 4,246.00 | 9.73 | 73.99 | 4,226.30 | 87.36 | 225.37 | 109.85 | 0.65 | 0.55 | 2.03 | |
| 4,340.00 | 9.32 | 70.66 | 4,319.00 | 92.07 | 240.19 | 117.76 | 0.73 | -0.44 | -3.54 | |
| 4,434.00 | 9.48 | 70.34 | 4,411.74 | 97.20 | 254.66 | 125.14 | 0.18 | 0.17 | -0.34 | |
| 4,528.00 | 9.97 | 69.82 | 4,504.39 | 102.61 | 269.59 | 132.67 | 0.53 | 0.52 | -0.55 | |
| 4,622.00 | 10.62 | 65.30 | 4,596.88 | 109.04 | 285.10 | 139.95 | 1.10 | 0.69 | -4.81 | |



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|------------------|--------------------------|-------------------------------------|---|
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| Site: | Tracy Pad | MD Reference: | GL 1101' & KB 10' @ 1111.00ft (Highlands 2) |
| Well: | Tracy 8H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | As Drilled | Database: | Northeast District |

| Survey | | | | | | | | | | |
|------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 4,716.00 | 10.63 | 63.75 | 4,689.27 | 116.49 | 300.74 | 146.65 | 0.30 | 0.01 | -1.65 | |
| 4,810.00 | 9.62 | 69.92 | 4,781.80 | 123.02 | 315.89 | 153.60 | 1.58 | -1.07 | 6.56 | |
| 4,904.00 | 8.81 | 74.83 | 4,874.59 | 127.60 | 330.22 | 161.23 | 1.20 | -0.86 | 5.22 | |
| 4,998.00 | 9.86 | 72.11 | 4,967.35 | 131.96 | 344.83 | 169.22 | 1.21 | 1.12 | -2.89 | |
| 5,092.00 | 10.39 | 72.81 | 5,059.88 | 136.94 | 360.58 | 177.65 | 0.58 | 0.56 | 0.74 | |
| 5,186.00 | 10.59 | 68.95 | 5,152.31 | 142.55 | 376.74 | 185.97 | 0.78 | 0.21 | -4.11 | |
| 5,281.00 | 10.38 | 62.16 | 5,245.73 | 149.68 | 392.46 | 192.93 | 1.32 | -0.22 | -7.15 | |
| 5,375.00 | 10.07 | 65.59 | 5,338.24 | 157.03 | 407.43 | 199.20 | 0.73 | -0.33 | 3.65 | |
| 5,469.00 | 9.93 | 70.21 | 5,430.81 | 163.17 | 422.54 | 206.38 | 0.87 | -0.15 | 4.91 | |
| 5,563.00 | 10.25 | 74.79 | 5,523.36 | 168.11 | 438.24 | 214.79 | 0.92 | 0.34 | 4.87 | |
| 5,626.00 | 10.59 | 74.18 | 5,585.32 | 171.16 | 449.22 | 220.95 | 0.57 | 0.54 | -0.97 | |
| 5,720.00 | 11.71 | 72.40 | 5,677.54 | 176.40 | 466.62 | 230.43 | 1.25 | 1.19 | -1.89 | |
| 5,751.00 | 12.65 | 72.56 | 5,707.85 | 178.36 | 472.86 | 233.77 | 3.03 | 3.03 | 0.52 | |
| 5,783.00 | 13.46 | 71.46 | 5,739.02 | 180.60 | 479.73 | 237.41 | 2.65 | 2.53 | -3.44 | |
| 5,814.00 | 14.51 | 71.11 | 5,769.10 | 183.00 | 486.83 | 241.10 | 3.40 | 3.39 | -1.13 | |
| 5,846.00 | 15.67 | 70.81 | 5,800.00 | 185.72 | 494.70 | 245.16 | 3.63 | 3.63 | -0.94 | |
| 5,877.00 | 16.99 | 69.77 | 5,829.74 | 188.66 | 502.90 | 249.32 | 4.36 | 4.26 | -3.35 | |
| 5,946.00 | 19.92 | 71.56 | 5,895.19 | 195.87 | 523.52 | 259.89 | 4.32 | 4.25 | 2.59 | |
| Last SDI MWD @ 5946 MD | | | | | | | | | | |

| Design Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|-------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment | |
| | | +N/-S (ft) | +E/-W (ft) | | |
| 100.00 | 100.00 | -0.50 | -0.16 | First VES Gyro @ 100 MD | |
| 2,407.00 | 2,406.93 | 6.64 | -6.95 | Last VES Gyro @ 2407 MD | |
| 2,456.00 | 2,455.92 | 7.50 | -7.22 | First SDI MWD @ 2456 MD | |
| 5,946.00 | 5,895.19 | 195.87 | 523.52 | Last SDI MWD @ 5946 MD | |

Checked By: _____ Approved By: _____ Date: _____