

## Results of Directional Survey

|             |                     |           |                                       |
|-------------|---------------------|-----------|---------------------------------------|
| API number: | <b>30-025-40437</b> |           |                                       |
| OGRID:      |                     | Operator: | <b>CIMAREX ENERGY CO. OF COLORADO</b> |
|             |                     | Property: | <b>MADURO UNIT</b> # 9H               |

|         |        |          |           |                |                 |
|---------|--------|----------|-----------|----------------|-----------------|
| surface | ULSTR: | <b>D</b> | <b>29</b> | <b>T 19S</b>   | <b>R 33E</b>    |
|         |        |          |           | <b>330 FNL</b> | <b>1060 FWL</b> |

|              |           |               |            |                 |                |
|--------------|-----------|---------------|------------|-----------------|----------------|
| BH Loc       | ULSTR:    | <b>E</b>      | <b>32</b>  | <b>T 19S</b>    | <b>R 33E</b>   |
| <b>16973</b> | <b>MD</b> | <b>9988.4</b> | <b>TVD</b> | <b>2306 FNL</b> | <b>699 FWL</b> |
|              |           |               |            | <b>7586 FNL</b> |                |

|             |           |               |            |                |                 |
|-------------|-----------|---------------|------------|----------------|-----------------|
| Top Perf/OH | ULSTR:    | <b>D</b>      | <b>29</b>  | <b>T 19S</b>   | <b>R 33E</b>    |
| <b>9550</b> | <b>MD</b> | <b>9547.3</b> | <b>TVD</b> | <b>363 FNL</b> | <b>1033 FWL</b> |

|              |           |               |            |                 |                |
|--------------|-----------|---------------|------------|-----------------|----------------|
| Bot Perf/OH  | ULSTR:    | <b>E</b>      | <b>32</b>  | <b>T 19S</b>    | <b>R 33E</b>   |
| <b>16936</b> | <b>MD</b> | <b>9988.0</b> | <b>TVD</b> | <b>2269 FNL</b> | <b>699 FWL</b> |
|              |           |               |            | <b>7549 FNL</b> |                |

|              |              |          |         |         |
|--------------|--------------|----------|---------|---------|
|              | MD           | N/S      | E/W     | VD      |
|              | 9537         | -29.56   | -19.62  | 9534.74 |
| TOP PERFS/OH | <b>9550</b>  | -32.73   | -26.95  | 9547.32 |
|              | 9568         | -37.11   | -37.11  | 9564.75 |
|              | 16930        | -7213.27 | -360.43 | 9987.94 |
| BOT PERFS/OH | <b>16936</b> | -7219.27 | -360.56 | 9988.02 |
|              | 16950        | -7233.27 | -360.86 | 9988.19 |

|              |              |          |         |         |
|--------------|--------------|----------|---------|---------|
| NEXT TO LAST | 16950        | -7233.27 | -360.86 | 9988.19 |
| LAST READING | 16973        | -7256.26 | -361.34 | 9988.44 |
| TD           | <b>16973</b> | -7256.26 | -361.34 | 9988.44 |

|                  |      |    |      |    |
|------------------|------|----|------|----|
| Surface Location | 330  | FN | 1060 | FW |
| Projected BHL    | 7586 | FN | 699  | FW |
| Location of      |      |    |      |    |
| Top Perfs/OH     | 363  | FN | 1033 | FW |
| Bottom Perfs/OH  | 7549 | FN | 699  | FW |

### SUMMARY of Subsurface Locations

|                         |                     |             |           |             |           |                    |
|-------------------------|---------------------|-------------|-----------|-------------|-----------|--------------------|
| <b>Surface Location</b> | <b>D-29-19S-33E</b> | <b>330</b>  | <b>FN</b> | <b>1060</b> | <b>FW</b> | <b>Vert. Depth</b> |
| <b>Top Perfs/OH</b>     | <b>D-29-19S-33E</b> | <b>363</b>  | <b>FN</b> | <b>1033</b> | <b>FW</b> | <b>9547.32</b>     |
| <b>Bottom Perfs/OH</b>  | <b>E-32-19S-33E</b> | <b>7549</b> | <b>FN</b> | <b>699</b>  | <b>FW</b> | <b>9988.02</b>     |
| <b>Projected TD</b>     | <b>E-32-19S-33E</b> | <b>7586</b> | <b>FN</b> | <b>699</b>  | <b>FW</b> | <b>9988.44</b>     |

JAN 08 2013



# Weatherford

## WFT Survey Report X & Y's



Weatherford

Company: Cimarex Energy Date: 8/2/2012 Time: 07:03:08 Page: 1  
Field: Lea Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Maduro Unit #9, Grid North  
Site: Maduro Unit #9 Vertical (TVD) Reference: SITE 3623.0  
Well: Maduro Unit #9 Section (VS) Reference: Well (0.00N,0.00E,182.86Azi)  
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy

Start Date: 7/30/2012

Company: Weatherford  
Tool: MWD/MWD - Standard

Engineer: Russell W. Joyner  
Tied-to: User Defined

Field: Lea Co., NM (NAD 83)

Map System: JS State Plane Coordinate System 1983  
Geo Datum: GRS 1980  
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone  
Coordinate System: Well Centre  
Geomagnetic Model: IGRF2010

Site: Maduro Unit #9

Site Position: Northing: 596293.80 ft Latitude: 32 38 15.400 N  
From: Map Easting: 739238.20 ft Longitude: 103 41 25.588 W  
Position Uncertainty: 0.00 ft North Reference: Grid  
Ground Level: 3598.00 ft Grid Convergence: 0.35 deg

Well: Maduro Unit #9

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 596293.80 ft Latitude: 32 38 15.400 N  
+E/-W 0.00 ft Easting: 739238.20 ft Longitude: 103 41 25.588 W  
Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Above System Datum: Mean Sea Level  
Declination: 7.54 deg  
Mag Dip Angle: 60.52 deg  
+E/-W Direction  
ft deg

Current Datum: SITE Height 3623.00 ft  
Magnetic Data: 7/25/2012  
Field Strength: 48767 nT  
Vertical Section: Depth From (TVD) +N/-S  
ft ft  
0.00 0.00 0.00 182.86

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | VS<br>ft | MapN<br>ft | MapE<br>ft | Comment                     |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|-----------------------------|
| 9387.66  | 1.02        | 154.14      | 9386.22   | -18.29    | 15.42     | 0.00             | 17.50    | 596275.51  | 739253.62  | Tie On Ves<br>First Wft Svy |
| 9443.00  | 1.47        | 130.94      | 9441.55   | -19.20    | 16.17     | 1.21             | 18.37    | 596274.60  | 739254.37  |                             |
| 9474.00  | 4.37        | 156.27      | 9472.50   | -20.54    | 16.95     | 10.02            | 19.67    | 596273.26  | 739255.15  |                             |
| 9506.00  | 8.69        | 163.75      | 9504.29   | -23.98    | 18.11     | 13.73            | 23.05    | 596269.82  | 739256.31  |                             |
| 9537.00  | 12.82       | 165.68      | 9534.74   | -29.56    | 19.62     | 13.37            | 28.55    | 596264.24  | 739257.82  |                             |
| 9568.00  | 16.09       | 169.00      | 9564.75   | -37.11    | 21.29     | 10.88            | 36.01    | 596256.69  | 739259.49  |                             |
| 9600.00  | 19.41       | 174.72      | 9595.23   | -46.76    | 22.63     | 11.71            | 45.58    | 596247.04  | 739260.83  |                             |
| 9631.00  | 23.56       | 176.38      | 9624.07   | -58.08    | 23.49     | 13.53            | 56.84    | 596235.72  | 739261.69  |                             |
| 9662.00  | 26.94       | 178.24      | 9652.10   | -71.29    | 24.10     | 11.20            | 70.00    | 596222.51  | 739262.30  |                             |
| 9694.00  | 30.99       | 179.30      | 9680.09   | -86.78    | 24.42     | 12.76            | 85.45    | 596207.02  | 739262.62  |                             |
| 9725.00  | 34.00       | 180.92      | 9706.24   | -103.43   | 24.38     | 10.11            | 102.08   | 596190.37  | 739262.58  |                             |
| 9757.00  | 37.74       | 181.66      | 9732.17   | -122.17   | 23.95     | 11.77            | 120.82   | 596171.63  | 739262.15  |                             |
| 9788.00  | 41.04       | 181.75      | 9756.12   | -141.83   | 23.37     | 10.65            | 140.49   | 596151.97  | 739261.57  |                             |
| 9820.00  | 45.38       | 182.51      | 9779.44   | -163.72   | 22.55     | 13.66            | 162.39   | 596130.08  | 739260.75  |                             |
| 9851.00  | 49.43       | 183.01      | 9800.42   | -186.51   | 21.45     | 13.12            | 185.21   | 596107.29  | 739259.65  |                             |
| 9883.00  | 52.63       | 181.67      | 9820.54   | -211.36   | 20.44     | 10.52            | 210.08   | 596082.44  | 739258.64  |                             |
| 9915.00  | 56.29       | 181.52      | 9839.14   | -237.39   | 19.71     | 11.44            | 236.11   | 596056.41  | 739257.91  |                             |
| 9946.00  | 60.06       | 183.86      | 9855.48   | -263.69   | 18.47     | 13.75            | 262.44   | 596030.11  | 739256.67  |                             |
| 9978.00  | 63.47       | 185.10      | 9870.62   | -291.79   | 16.26     | 11.19            | 290.62   | 596002.01  | 739254.46  |                             |
| 10009.00 | 65.56       | 185.74      | 9883.96   | -319.65   | 13.62     | 6.99             | 318.57   | 595974.15  | 739251.82  |                             |
| 10041.00 | 68.16       | 186.24      | 9896.53   | -348.91   | 10.54     | 8.25             | 347.95   | 595944.89  | 739248.74  |                             |
| 10072.00 | 70.77       | 185.82      | 9907.40   | -377.78   | 7.50      | 8.51             | 376.93   | 595916.02  | 739245.70  |                             |
| 10104.00 | 72.81       | 185.26      | 9917.40   | -408.03   | 4.56      | 6.59             | 407.30   | 595885.77  | 739242.76  |                             |
| 10136.00 | 73.62       | 183.73      | 9926.65   | -438.57   | 2.16      | 5.23             | 437.92   | 595855.23  | 739240.36  |                             |

SUR: D-29-19s-33e, 330/N & 1060/W  
BHL: E-32-19s-33e, 7586/N & 699/W  
API # 30-025-40437



# Weatherford

## WFT Survey Report X & Y's



Weatherford

|                            |                                                             |                |         |
|----------------------------|-------------------------------------------------------------|----------------|---------|
| Company: Cimarex Energy    | Date: 8/2/2012                                              | Time: 07:03:08 | Page: 2 |
| Field: Lea Co. NM (NAD 83) | Co-ordinate(NE) Reference: Well: Maduro Unit #9, Grid North |                |         |
| Site: Maduro Unit #9       | Vertical (TVD) Reference: SITE 3623.0                       |                |         |
| Well: Maduro Unit #9       | Section (VS) Reference: Well (0.00N,0.00E,182.86Azi)        |                |         |
| Wellpath: 1                | Survey Calculation Method: Minimum Curvature                | Db: Sybase     |         |

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | VS<br>ft | MapN<br>ft | MapE<br>ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|---------|
| 10167.00 | 74.51       | 182.70      | 9935.16   | -468.33   | 0.49      | 4.30             | 467.73   | 595825.47  | 739238.69  |         |
| 10199.00 | 76.36       | 183.09      | 9943.20   | -499.26   | -1.07     | 5.90             | 498.70   | 595794.54  | 739237.13  |         |
| 10230.00 | 79.53       | 184.15      | 9949.68   | -529.52   | -2.99     | 10.76            | 529.01   | 595764.28  | 739235.21  |         |
| 10262.00 | 83.13       | 184.07      | 9954.50   | -561.06   | -5.26     | 11.25            | 560.63   | 595732.74  | 739232.94  |         |
| 10293.00 | 85.52       | 183.94      | 9957.57   | -591.83   | -7.41     | 7.72             | 591.47   | 595701.97  | 739230.79  |         |
| 10325.00 | 88.32       | 183.82      | 9959.28   | -623.71   | -9.57     | 8.76             | 623.41   | 595670.09  | 739228.63  |         |
| 10357.00 | 89.86       | 183.25      | 9959.79   | -655.65   | -11.54    | 5.13             | 655.40   | 595638.15  | 739226.66  |         |
| 10378.00 | 89.75       | 182.94      | 9959.86   | -676.61   | -12.68    | 1.57             | 676.40   | 595617.19  | 739225.52  |         |
| 10491.00 | 88.70       | 184.25      | 9961.39   | -789.38   | -19.76    | 1.49             | 789.38   | 595504.42  | 739218.44  |         |
| 10585.00 | 88.83       | 187.43      | 9963.42   | -882.86   | -29.32    | 3.39             | 883.22   | 595410.94  | 739208.88  |         |
| 10680.00 | 88.33       | 188.60      | 9965.77   | -976.90   | -42.57    | 1.34             | 977.80   | 595316.90  | 739195.63  |         |
| 10775.00 | 91.17       | 187.42      | 9966.19   | -1070.96  | -55.80    | 3.24             | 1072.41  | 595222.84  | 739182.40  |         |
| 10869.00 | 89.07       | 185.17      | 9965.99   | -1164.38  | -66.11    | 3.27             | 1166.23  | 595129.42  | 739172.09  |         |
| 10964.00 | 88.27       | 181.49      | 9968.20   | -1259.18  | -71.62    | 3.96             | 1261.18  | 595034.62  | 739166.58  |         |
| 11059.00 | 88.03       | 179.31      | 9971.26   | -1354.12  | -72.29    | 2.31             | 1356.04  | 594939.68  | 739165.91  |         |
| 11154.00 | 87.78       | 179.15      | 9974.74   | -1449.05  | -71.01    | 0.31             | 1450.79  | 594844.75  | 739167.19  |         |
| 11248.00 | 87.10       | 178.15      | 9978.94   | -1542.93  | -68.80    | 1.29             | 1544.44  | 594750.87  | 739169.40  |         |
| 11343.00 | 92.04       | 182.16      | 9979.65   | -1637.87  | -69.06    | 6.70             | 1639.28  | 594655.93  | 739169.14  |         |
| 11437.00 | 88.34       | 181.28      | 9979.34   | -1731.81  | -71.88    | 4.05             | 1733.24  | 594561.99  | 739166.32  |         |
| 11532.00 | 88.28       | 184.41      | 9982.14   | -1826.64  | -76.59    | 3.29             | 1828.19  | 594467.16  | 739161.61  |         |
| 11627.00 | 88.83       | 186.73      | 9984.54   | -1921.16  | -85.81    | 2.51             | 1923.05  | 594372.64  | 739152.39  |         |
| 11721.00 | 87.91       | 185.94      | 9987.21   | -2014.54  | -96.17    | 1.29             | 2016.83  | 594279.26  | 739142.03  |         |
| 11816.00 | 89.21       | 184.90      | 9989.60   | -2109.09  | -105.14   | 1.75             | 2111.71  | 594184.71  | 739133.06  |         |
| 11910.00 | 90.44       | 183.31      | 9989.88   | -2202.84  | -111.87   | 2.14             | 2205.68  | 594090.96  | 739126.33  |         |
| 12005.00 | 88.09       | 182.36      | 9991.10   | -2297.71  | -116.57   | 2.67             | 2300.66  | 593996.09  | 739121.63  |         |
| 12099.00 | 90.80       | 182.40      | 9992.01   | -2391.61  | -120.47   | 2.88             | 2394.65  | 593902.19  | 739117.73  |         |
| 12194.00 | 89.69       | 182.57      | 9991.61   | -2486.52  | -124.59   | 1.18             | 2489.64  | 593807.28  | 739113.61  |         |
| 12288.00 | 90.86       | 183.74      | 9991.16   | -2580.38  | -129.77   | 1.76             | 2583.64  | 593713.42  | 739108.43  |         |
| 12383.00 | 89.38       | 183.66      | 9990.96   | -2675.17  | -135.90   | 1.56             | 2678.62  | 593618.63  | 739102.30  |         |
| 12478.00 | 90.00       | 186.66      | 9991.47   | -2769.78  | -144.44   | 3.22             | 2773.53  | 593524.02  | 739093.76  |         |
| 12573.00 | 88.64       | 187.78      | 9992.60   | -2864.01  | -156.38   | 1.85             | 2868.25  | 593429.79  | 739081.82  |         |
| 12667.00 | 90.25       | 186.79      | 9993.51   | -2957.25  | -168.30   | 2.01             | 2961.96  | 593336.55  | 739069.90  |         |
| 12762.00 | 91.06       | 186.84      | 9992.42   | -3051.57  | -179.57   | 0.85             | 3056.73  | 593242.23  | 739058.63  |         |
| 12857.00 | 92.96       | 186.19      | 9989.09   | -3145.89  | -190.34   | 2.11             | 3151.47  | 593147.91  | 739047.86  |         |
| 12953.00 | 90.86       | 185.62      | 9985.89   | -3241.32  | -200.21   | 2.27             | 3247.28  | 593052.48  | 739037.99  |         |
| 13048.00 | 87.97       | 183.66      | 9986.86   | -3335.99  | -207.89   | 3.68             | 3342.21  | 592957.81  | 739030.31  |         |
| 13143.00 | 89.20       | 181.88      | 9989.21   | -3430.85  | -212.48   | 2.28             | 3437.18  | 592862.95  | 739025.72  |         |
| 13237.00 | 89.32       | 180.76      | 9990.42   | -3524.81  | -214.65   | 1.20             | 3531.13  | 592768.99  | 739023.55  |         |
| 13332.00 | 89.38       | 180.04      | 9991.50   | -3619.80  | -215.31   | 0.76             | 3626.04  | 592674.00  | 739022.89  |         |
| 13426.00 | 90.37       | 179.74      | 9991.70   | -3713.80  | -215.13   | 1.10             | 3719.91  | 592580.00  | 739023.07  |         |
| 13521.00 | 89.57       | 178.09      | 9991.75   | -3808.78  | -213.33   | 1.93             | 3814.68  | 592485.02  | 739024.87  |         |
| 13616.00 | 90.25       | 178.32      | 9991.90   | -3903.73  | -210.36   | 0.76             | 3909.37  | 592390.07  | 739027.84  |         |
| 13711.00 | 90.62       | 179.66      | 9991.18   | -3998.71  | -208.68   | 1.46             | 4004.15  | 592295.09  | 739029.52  |         |
| 13805.00 | 90.19       | 181.03      | 9990.52   | -4092.71  | -209.25   | 1.53             | 4098.05  | 592201.09  | 739028.95  |         |
| 13900.00 | 90.35       | 181.90      | 9990.07   | -4187.67  | -211.68   | 0.93             | 4193.02  | 592106.13  | 739026.52  |         |
| 13994.00 | 90.00       | 182.88      | 9989.78   | -4281.59  | -215.60   | 1.11             | 4287.01  | 592012.21  | 739022.60  |         |
| 14089.00 | 90.71       | 183.66      | 9989.19   | -4376.43  | -221.02   | 1.11             | 4382.01  | 591917.37  | 739017.18  |         |
| 14184.00 | 88.85       | 182.96      | 9989.56   | -4471.27  | -226.50   | 2.09             | 4477.00  | 591822.53  | 739011.70  |         |
| 14278.00 | 90.09       | 183.14      | 9990.43   | -4565.13  | -231.50   | 1.33             | 4570.99  | 591728.67  | 739006.70  |         |
| 14373.00 | 89.57       | 182.41      | 9990.71   | -4660.02  | -236.10   | 0.94             | 4665.99  | 591633.78  | 739002.10  |         |
| 14467.00 | 90.43       | 182.26      | 9990.71   | -4753.94  | -239.93   | 0.93             | 4759.99  | 591539.86  | 738998.27  |         |
| 14562.00 | 90.06       | 180.87      | 9990.30   | -4848.90  | -242.53   | 1.51             | 4854.96  | 591444.90  | 738995.67  |         |



# Weatherford

## WFT Survey Report X & Y's



Weatherford

|                             |                                                             |                |         |
|-----------------------------|-------------------------------------------------------------|----------------|---------|
| Company: Cimarex Energy     | Date: 8/2/2012                                              | Time: 07:03:08 | Page: 3 |
| Field: Lea Co., NM (NAD 83) | Co-ordinate(NE) Reference: Well: Maduro Unit #9, Grid North |                |         |
| Site: Maduro Unit #9        | Vertical (TVD) Reference: SITE 3623.0                       |                |         |
| Well: Maduro Unit #9        | Section (VS) Reference: Well (0.00N,0.00E:182.86Azi)        |                |         |
| Wellpath: 1                 | Survey Calculation Method: Minimum Curvature                | Db: Sybase     |         |

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | VS<br>ft | MapN<br>ft | MapE<br>ft | Comment      |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|--------------|
| 14656.00 | 90.43       | 181.49      | 9989.90   | -4942.88  | -244.46   | 0.77             | 4948.92  | 591350.92  | 738993.74  |              |
| 14751.00 | 90.09       | 182.43      | 9989.47   | -5037.82  | -247.71   | 1.05             | 5043.90  | 591255.98  | 738990.49  |              |
| 14845.00 | 90.12       | 183.12      | 9989.30   | -5131.71  | -252.26   | 0.73             | 5137.90  | 591162.09  | 738985.94  |              |
| 14940.00 | 90.00       | 181.80      | 9989.20   | -5226.62  | -256.34   | 1.40             | 5232.90  | 591067.18  | 738981.86  |              |
| 15035.00 | 90.06       | 181.26      | 9989.15   | -5321.58  | -258.88   | 0.57             | 5327.87  | 590972.22  | 738979.32  |              |
| 15130.00 | 90.12       | 181.38      | 9989.00   | -5416.56  | -261.06   | 0.14             | 5422.84  | 590877.24  | 738977.14  |              |
| 15224.00 | 89.51       | 181.77      | 9989.30   | -5510.52  | -263.65   | 0.77             | 5516.81  | 590783.28  | 738974.55  |              |
| 15318.00 | 90.18       | 181.25      | 9989.56   | -5604.49  | -266.12   | 0.90             | 5610.79  | 590689.31  | 738972.08  |              |
| 15413.00 | 89.65       | 181.72      | 9989.70   | -5699.46  | -268.59   | 0.75             | 5705.76  | 590594.34  | 738969.61  |              |
| 15508.00 | 89.63       | 183.47      | 9990.30   | -5794.35  | -272.89   | 1.84             | 5800.75  | 590499.45  | 738965.31  |              |
| 15602.00 | 89.69       | 184.33      | 9990.85   | -5888.13  | -279.28   | 0.92             | 5894.73  | 590405.67  | 738958.92  |              |
| 15697.00 | 90.31       | 185.31      | 9990.85   | -5982.80  | -287.26   | 1.22             | 5989.68  | 590311.00  | 738950.94  |              |
| 15792.00 | 90.06       | 185.70      | 9990.55   | -6077.36  | -296.38   | 0.49             | 6084.57  | 590216.44  | 738941.82  |              |
| 15887.00 | 90.25       | 185.16      | 9990.29   | -6171.93  | -305.37   | 0.60             | 6179.48  | 590121.87  | 738932.83  |              |
| 15981.00 | 90.26       | 184.55      | 9989.87   | -6265.59  | -313.32   | 0.65             | 6273.42  | 590028.21  | 738924.88  |              |
| 16076.00 | 89.44       | 184.21      | 9990.12   | -6360.31  | -320.58   | 0.93             | 6368.39  | 589933.49  | 738917.62  |              |
| 16171.00 | 90.00       | 184.02      | 9990.58   | -6455.07  | -327.39   | 0.62             | 6463.36  | 589838.73  | 738910.81  |              |
| 16266.00 | 90.49       | 183.64      | 9990.18   | -6549.85  | -333.74   | 0.65             | 6558.35  | 589743.95  | 738904.46  |              |
| 16360.00 | 90.62       | 182.08      | 9989.27   | -6643.73  | -338.43   | 1.67             | 6652.34  | 589650.07  | 738899.77  |              |
| 16455.00 | 90.43       | 181.74      | 9988.40   | -6738.67  | -341.59   | 0.41             | 6747.32  | 589555.13  | 738896.61  |              |
| 16550.00 | 90.00       | 181.86      | 9988.04   | -6833.62  | -344.58   | 0.47             | 6842.30  | 589460.18  | 738893.62  |              |
| 16645.00 | 90.25       | 183.18      | 9987.83   | -6928.53  | -348.76   | 1.41             | 6937.30  | 589365.27  | 738889.44  |              |
| 16740.00 | 90.09       | 182.61      | 9987.55   | -7023.41  | -353.55   | 0.62             | 7032.30  | 589270.39  | 738884.65  |              |
| 16835.00 | 90.12       | 182.22      | 9987.38   | -7118.32  | -357.56   | 0.41             | 7127.30  | 589175.48  | 738880.64  |              |
| 16930.00 | 89.20       | 181.25      | 9987.94   | -7213.27  | -360.43   | 1.41             | 7222.27  | 589080.53  | 738877.77  |              |
| 16950.00 | 89.38       | 181.20      | 9988.19   | -7233.27  | -360.86   | 0.93             | 7242.26  | 589060.53  | 738877.34  | Last Wft Svy |
| 16973.00 | 89.38       | 181.20      | 9988.44   | -7256.26  | -361.34   | 0.00             | 7265.25  | 589037.54  | 738876.86  | Proj. To Bit |

### Annotation

| MD<br>ft | TVD<br>ft |               |
|----------|-----------|---------------|
| 9387.66  | 9386.22   | Tie On Ves    |
| 9443.00  | 9441.55   | First Wft Svy |
| 16950.00 | 9988.19   | Last Wft Svy  |
| 16973.00 | 9988.44   | Proj. To Bit  |



**Weatherford®**

Cimarex Energy Co  
Maduro Unit #9  
Lea County, NM

## **Section 2**

**Days vs. Depth**



Company: Cimarex  
 Lease/Well: Maduro Unit/# 9  
 Location: S29 T19s R33r  
 Rig Name: Scan Eagle  
 State/County: New Mexico/Lea



Latitude: 32.64  
 GRID North is 0.35 Degrees East of True North  
 VS-Azi: 0.00 Degrees

## FIELD COPY ONLY (NOT DEFINITIVE)

RKB : 25 Feet

### DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: maduro unit #9 gyro survey.ut

Minimum Curvature Method

Report Date/Time: 7/20/2012 / 10:05

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 0.00                    | 0.00                 | 0.00                      | 0.00      | 0.00        | 0.00        | 0.00                      | 0.00                      | 0.00                        | ****                          |
| 74.49                   | 0.28                 | 65.34                     | 74.49     | 0.08        | 0.17        | 0.08                      | 0.18                      | 65.34                       | 0.38                          |
| 170.10                  | 0.20                 | 266.51                    | 170.10    | 0.17        | 0.22        | 0.17                      | 0.27                      | 52.83                       | 0.49                          |
| 265.71                  | 0.28                 | 309.97                    | 265.71    | 0.30        | -0.12       | 0.30                      | 0.33                      | 338.05                      | 0.20                          |
| 361.32                  | 0.39                 | 335.52                    | 361.32    | 0.74        | -0.43       | 0.74                      | 0.86                      | 329.87                      | 0.19                          |
| 456.93                  | 0.18                 | 23.53                     | 456.93    | 1.17        | -0.51       | 1.17                      | 1.28                      | 336.70                      | 0.31                          |
| 552.54                  | 0.06                 | 139.49                    | 552.54    | 1.27        | -0.41       | 1.27                      | 1.34                      | 342.03                      | 0.22                          |
| 648.15                  | 0.09                 | 129.52                    | 648.15    | 1.19        | -0.32       | 1.19                      | 1.23                      | 344.77                      | 0.03                          |
| 743.76                  | 0.11                 | 99.55                     | 743.76    | 1.13        | -0.18       | 1.13                      | 1.14                      | 351.09                      | 0.06                          |
| 839.37                  | 0.13                 | 64.86                     | 839.37    | 1.16        | 0.01        | 1.16                      | 1.16                      | 0.62                        | 0.08                          |
| 934.98                  | 0.15                 | 30.16                     | 934.98    | 1.31        | 0.17        | 1.31                      | 1.32                      | 7.55                        | 0.09                          |
| 1030.59                 | 0.18                 | 31.56                     | 1030.58   | 1.55        | 0.31        | 1.55                      | 1.58                      | 11.50                       | 0.03                          |
| 1126.20                 | 0.21                 | 37.97                     | 1126.19   | 1.81        | 0.50        | 1.81                      | 1.88                      | 15.42                       | 0.04                          |
| 1221.81                 | 0.21                 | 88.13                     | 1221.80   | 1.95        | 0.78        | 1.95                      | 2.10                      | 21.76                       | 0.18                          |
| 1317.42                 | 0.21                 | 139.30                    | 1317.41   | 1.83        | 1.06        | 1.83                      | 2.11                      | 30.26                       | 0.19                          |
| 1413.03                 | 0.17                 | 109.12                    | 1413.02   | 1.65        | 1.32        | 1.65                      | 2.11                      | 38.62                       | 0.11                          |
| 1508.64                 | 0.14                 | 78.94                     | 1508.63   | 1.62        | 1.57        | 1.62                      | 2.26                      | 44.04                       | 0.09                          |
| 1604.25                 | 0.13                 | 49.28                     | 1604.24   | 1.72        | 1.77        | 1.72                      | 2.46                      | 45.84                       | 0.07                          |
| 1699.86                 | 0.12                 | 10.62                     | 1699.85   | 1.89        | 1.87        | 1.89                      | 2.65                      | 44.72                       | 0.09                          |
| 1795.47                 | 0.13                 | 316.10                    | 1795.46   | 2.06        | 1.81        | 2.06                      | 2.74                      | 41.29                       | 0.12                          |
| 1891.08                 | 0.14                 | 260.58                    | 1891.07   | 2.12        | 1.62        | 2.12                      | 2.67                      | 37.40                       | 0.13                          |
| 1986.69                 | 0.31                 | 330.20                    | 1986.68   | 2.33        | 1.38        | 2.33                      | 2.70                      | 30.68                       | 0.30                          |
| 2082.30                 | 0.48                 | 39.82                     | 2082.29   | 2.86        | 1.51        | 2.86                      | 3.23                      | 27.83                       | 0.49                          |
| 2177.91                 | 0.51                 | 42.68                     | 2177.90   | 3.47        | 2.05        | 3.47                      | 4.03                      | 30.55                       | 0.04                          |
| 2273.52                 | 0.53                 | 49.54                     | 2273.50   | 4.07        | 2.68        | 4.07                      | 4.87                      | 33.30                       | 0.07                          |
| 2369.13                 | 0.80                 | 37.67                     | 2369.10   | 4.89        | 3.42        | 4.89                      | 5.97                      | 34.98                       | 0.31                          |
| 2464.74                 | 1.06                 | 25.80                     | 2464.70   | 6.21        | 4.21        | 6.21                      | 7.50                      | 34.15                       | 0.34                          |
| 2560.35                 | 1.10                 | 55.85                     | 2560.30   | 7.52        | 5.35        | 7.52                      | 9.23                      | 35.46                       | 0.59                          |
| 2655.96                 | 1.14                 | 85.89                     | 2655.89   | 8.10        | 7.07        | 8.10                      | 10.75                     | 41.10                       | 0.61                          |
| 2751.57                 | 1.63                 | 105.62                    | 2751.47   | 7.80        | 9.33        | 7.80                      | 12.16                     | 50.08                       | 0.71                          |
| 2847.18                 | 2.12                 | 125.34                    | 2847.03   | 6.42        | 12.08       | 6.42                      | 13.67                     | 62.02                       | 0.84                          |
| 2942.79                 | 2.01                 | 151.56                    | 2942.58   | 3.92        | 14.32       | 3.92                      | 14.84                     | 74.69                       | 0.99                          |
| 3038.40                 | 1.91                 | 157.79                    | 3038.13   | 0.96        | 15.72       | 0.96                      | 15.75                     | 86.50                       | 0.25                          |
| 3134.01                 | 2.04                 | 133.01                    | 3133.69   | -1.67       | 17.56       | -1.67                     | 17.64                     | 95.45                       | 0.89                          |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 3229.62                 | 2.16                 | 108.24                    | 3229.24   | -3.40       | 20.52       | -3.40                     | 20.80                     | 99.40                       | 0.95                          |
| 3325.23                 | 2.22                 | 93.51                     | 3324.78   | -4.07       | 24.07       | -4.07                     | 24.42                     | 99.60                       | 0.59                          |
| 3420.84                 | 2.28                 | 98.79                     | 3420.31   | -4.48       | 27.80       | -4.48                     | 28.16                     | 99.15                       | 0.23                          |
| 3516.45                 | 2.39                 | 116.13                    | 3515.85   | -5.64       | 31.47       | -5.64                     | 31.97                     | 100.17                      | 0.74                          |
| 3612.06                 | 2.49                 | 133.47                    | 3611.37   | -7.95       | 34.76       | -7.95                     | 35.66                     | 102.88                      | 0.78                          |
| 3707.67                 | 2.73                 | 144.97                    | 3706.88   | -11.24      | 37.57       | -11.24                    | 39.22                     | 106.66                      | 0.60                          |
| 3803.28                 | 2.97                 | 156.48                    | 3802.38   | -15.38      | 39.87       | -15.38                    | 42.73                     | 111.09                      | 0.65                          |
| 3898.89                 | 2.50                 | 172.19                    | 3897.88   | -19.72      | 41.14       | -19.72                    | 45.62                     | 115.61                      | 0.92                          |
| 3994.50                 | 2.04                 | 191.90                    | 3993.41   | -23.45      | 41.08       | -23.45                    | 47.30                     | 119.72                      | 0.94                          |
| 4090.11                 | 1.64                 | 207.18                    | 4088.97   | -26.33      | 40.10       | -26.33                    | 47.97                     | 123.29                      | 0.66                          |
| 4185.72                 | 1.24                 | 232.47                    | 4184.56   | -28.18      | 38.65       | -28.18                    | 47.84                     | 126.09                      | 0.78                          |
| 4281.33                 | 1.04                 | 278.00                    | 4280.15   | -28.69      | 36.98       | -28.69                    | 46.80                     | 127.81                      | 0.94                          |
| 4376.94                 | 0.83                 | 313.52                    | 4375.75   | -28.09      | 35.62       | -28.09                    | 45.37                     | 128.26                      | 0.63                          |
| 4472.55                 | 0.76                 | 312.91                    | 4471.35   | -27.19      | 34.66       | -27.19                    | 44.05                     | 128.11                      | 0.08                          |
| 4568.16                 | 0.68                 | 322.30                    | 4566.95   | -26.30      | 33.85       | -26.30                    | 42.87                     | 127.85                      | 0.15                          |
| 4663.77                 | 0.74                 | 320.02                    | 4662.55   | -25.38      | 33.10       | -25.38                    | 41.71                     | 127.48                      | 0.07                          |
| 4759.38                 | 0.80                 | 337.74                    | 4758.15   | -24.29      | 32.45       | -24.29                    | 40.54                     | 126.82                      | 0.25                          |
| 4854.99                 | 0.65                 | 344.52                    | 4853.76   | -23.15      | 32.05       | -23.15                    | 39.54                     | 125.84                      | 0.17                          |
| 4950.60                 | 0.51                 | 341.30                    | 4949.36   | -22.22      | 31.77       | -22.22                    | 38.77                     | 124.97                      | 0.15                          |
| 5046.21                 | 0.33                 | 338.17                    | 5044.97   | -21.56      | 31.53       | -21.56                    | 38.20                     | 124.36                      | 0.19                          |
| 5141.82                 | 0.15                 | 315.05                    | 5140.58   | -21.22      | 31.34       | -21.22                    | 37.85                     | 124.09                      | 0.21                          |
| 5237.43                 | 0.16                 | 317.98                    | 5236.19   | -21.03      | 31.17       | -21.03                    | 37.60                     | 124.01                      | 0.02                          |
| 5333.04                 | 0.17                 | 316.92                    | 5331.80   | -20.83      | 30.98       | -20.83                    | 37.33                     | 123.91                      | 0.01                          |
| 5428.65                 | 0.12                 | 319.43                    | 5427.41   | -20.65      | 30.82       | -20.65                    | 37.09                     | 123.82                      | 0.05                          |
| 5524.26                 | 0.07                 | 321.94                    | 5523.02   | -20.52      | 30.71       | -20.52                    | 36.94                     | 123.75                      | 0.05                          |
| 5619.87                 | 0.09                 | 325.30                    | 5618.63   | -20.42      | 30.64       | -20.42                    | 36.82                     | 123.68                      | 0.02                          |
| 5715.48                 | 0.10                 | 348.66                    | 5714.24   | -20.28      | 30.58       | -20.28                    | 36.69                     | 123.55                      | 0.04                          |
| 5811.09                 | 0.16                 | 338.81                    | 5809.85   | -20.07      | 30.51       | -20.07                    | 36.52                     | 123.33                      | 0.07                          |
| 5906.70                 | 0.23                 | 328.95                    | 5905.46   | -19.77      | 30.37       | -19.77                    | 36.24                     | 123.07                      | 0.08                          |
| 6002.31                 | 0.21                 | 325.72                    | 6001.06   | -19.47      | 30.17       | -19.47                    | 35.91                     | 122.83                      | 0.03                          |
| 6097.92                 | 0.18                 | 327.49                    | 6096.67   | -19.20      | 29.99       | -19.20                    | 35.61                     | 122.62                      | 0.02                          |
| 6193.53                 | 0.12                 | 232.73                    | 6192.28   | -19.13      | 29.83       | -19.13                    | 35.44                     | 122.67                      | 0.24                          |
| 6289.14                 | 0.05                 | 222.97                    | 6287.89   | -19.22      | 29.72       | -19.22                    | 35.40                     | 122.88                      | 0.07                          |
| 6384.75                 | 0.06                 | 235.24                    | 6383.50   | -19.28      | 29.66       | -19.28                    | 35.37                     | 123.02                      | 0.01                          |
| 6480.36                 | 0.06                 | 267.51                    | 6479.11   | -19.30      | 29.57       | -19.30                    | 35.31                     | 123.14                      | 0.03                          |
| 6575.97                 | 0.11                 | 187.47                    | 6574.72   | -19.40      | 29.51       | -19.40                    | 35.31                     | 123.32                      | 0.12                          |
| 6671.58                 | 0.15                 | 107.43                    | 6670.33   | -19.52      | 29.62       | -19.52                    | 35.47                     | 123.39                      | 0.18                          |
| 6767.19                 | 0.24                 | 106.47                    | 6765.94   | -19.62      | 29.93       | -19.62                    | 35.79                     | 123.24                      | 0.09                          |
| 6862.80                 | 0.15                 | 105.50                    | 6861.55   | -19.71      | 30.24       | -19.71                    | 36.10                     | 123.09                      | 0.10                          |
| 6958.41                 | 0.13                 | 192.77                    | 6957.16   | -19.85      | 30.34       | -19.85                    | 36.25                     | 123.19                      | 0.20                          |
| 7054.02                 | 0.11                 | 280.04                    | 7052.77   | -19.94      | 30.22       | -19.94                    | 36.21                     | 123.41                      | 0.17                          |
| 7149.63                 | 0.14                 | 273.78                    | 7148.38   | -19.91      | 30.01       | -19.91                    | 36.02                     | 123.56                      | 0.04                          |
| 7245.24                 | 0.18                 | 261.51                    | 7243.99   | -19.93      | 29.75       | -19.93                    | 35.81                     | 123.82                      | 0.05                          |
| 7340.85                 | 0.30                 | 304.83                    | 7339.60   | -19.81      | 29.40       | -19.81                    | 35.45                     | 123.97                      | 0.22                          |
| 7436.46                 | 0.42                 | 348.15                    | 7435.21   | -19.33      | 29.13       | -19.33                    | 34.95                     | 123.57                      | 0.30                          |
| 7532.07                 | 0.48                 | 21.14                     | 7530.82   | -18.61      | 29.20       | -18.61                    | 34.63                     | 122.52                      | 0.27                          |
| 7627.68                 | 0.54                 | 54.14                     | 7626.42   | -17.98      | 29.71       | -17.98                    | 34.72                     | 121.18                      | 0.31                          |
| 7723.29                 | 0.37                 | 25.35                     | 7722.03   | -17.43      | 30.21       | -17.43                    | 34.88                     | 119.99                      | 0.29                          |
| 7818.90                 | 0.20                 | 356.57                    | 7817.64   | -16.99      | 30.33       | -16.99                    | 34.76                     | 119.26                      | 0.23                          |
| 7914.51                 | 0.41                 | 320.57                    | 7913.25   | -16.56      | 30.10       | -16.56                    | 34.36                     | 118.82                      | 0.28                          |
| 8010.12                 | 0.61                 | 284.58                    | 8008.85   | -16.17      | 29.39       | -16.17                    | 33.55                     | 118.82                      | 0.39                          |
| 8105.73                 | 0.92                 | 276.71                    | 8104.45   | -15.96      | 28.13       | -15.96                    | 32.34                     | 119.56                      | 0.34                          |
| 8201.34                 | 1.23                 | 268.84                    | 8200.05   | -15.89      | 26.34       | -15.89                    | 30.76                     | 121.09                      | 0.36                          |
| 8296.95                 | 1.24                 | 269.81                    | 8295.64   | -15.91      | 24.28       | -15.91                    | 29.03                     | 123.24                      | 0.02                          |
| 8392.56                 | 1.24                 | 270.78                    | 8391.22   | -15.90      | 22.21       | -15.90                    | 27.32                     | 125.59                      | 0.02                          |
| 8488.17                 | 1.31                 | 277.87                    | 8486.81   | -15.74      | 20.09       | -15.74                    | 25.52                     | 128.07                      | 0.18                          |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 8583.78                 | 1.39                 | 284.96                    | 8582.39   | -15.29      | 17.89       | -15.29                    | 23.53                     | 130.51                      | 0.19                          |
| 8679.39                 | 1.03                 | 277.83                    | 8677.98   | -14.87      | 15.92       | -14.87                    | 21.79                     | 133.05                      | 0.40                          |
| 8775.00                 | 0.67                 | 270.69                    | 8773.58   | -14.75      | 14.51       | -14.75                    | 20.69                     | 135.47                      | 0.39                          |
| 8870.61                 | 0.58                 | 231.40                    | 8869.19   | -15.04      | 13.56       | -15.04                    | 20.26                     | 137.96                      | 0.45                          |
| 8966.22                 | 0.49                 | 192.11                    | 8964.79   | -15.75      | 13.10       | -15.75                    | 20.48                     | 140.24                      | 0.39                          |
| 9061.83                 | 0.54                 | 152.05                    | 9060.40   | -16.54      | 13.22       | -16.54                    | 21.18                     | 141.36                      | 0.37                          |
| 9157.44                 | 0.58                 | 112.00                    | 9156.00   | -17.12      | 13.88       | -17.12                    | 22.04                     | 140.96                      | 0.40                          |
| 9253.05                 | 0.46                 | 122.22                    | 9251.61   | -17.51      | 14.66       | -17.51                    | 22.83                     | 140.06                      | 0.16                          |
| 9348.66                 | 0.33                 | 132.44                    | 9347.22   | -17.90      | 15.19       | -17.90                    | 23.47                     | 139.68                      | 0.15                          |
| 9387.66                 | 1.02                 | 154.14                    | 9386.22   | -18.29      | 15.42       | -18.29                    | 23.92                     | 139.86                      | 1.84                          |

HORIZONTAL DISPLACEMENT IS  
23.92 FEET AT 139.86 DEGREES





Maduro Unit #9  
Lea Co., NM

RECEIVED

DEC 18 2012

HOBBS OGD

KB ELEV: 3623  
GL ELEV: 3598

#### SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | DLeg  | TFace | VSec    | Target |
|-----|----------|-------|--------|---------|----------|---------|-------|-------|---------|--------|
| 1   | 9387.66  | 1.02  | 154.14 | 9386.21 | -18.26   | 15.40   | 0.00  | 0.00  | 17.46   |        |
| 2   | 9467.65  | 1.02  | 154.14 | 9466.19 | -19.54   | 16.03   | 0.00  | 0.00  | 18.71   |        |
| 3   | 10043.55 | 70.00 | 183.01 | 9907.41 | -333.36  | 2.35    | 12.00 | 29.05 | 332.83  |        |
| 4   | 10376.88 | 90.00 | 183.01 | 9965.00 | -659.52  | -14.81  | 6.00  | 0.01  | 659.43  |        |
| 5   | 16990.86 | 90.00 | 183.01 | 9965.00 | -7264.35 | -362.56 | 0.00  | 0.00  | 7273.39 | PBHL   |

#### WELL DETAILS

| Name           | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|----------------|-------|-------|-----------|-----------|---------------|----------------|------|
| Maduro Unit #9 | 0.00  | 0.00  | 596293.80 | 739238.20 | 32°38'15.400N | 103°41'25.588W | N/A  |

#### TARGET DETAILS

| Name | TVD     | +N/-S    | +E/-W   | Northing  | Easting   | Shape |
|------|---------|----------|---------|-----------|-----------|-------|
| PBHL | 9965.00 | -7264.35 | -362.56 | 589029.45 | 738875.64 | Point |

#### SITE DETAILS

Maduro Unit #9  
Site Centre Northing: 596293.80  
Easting: 739238.20  
Ground Level: 3598.00  
Positional Uncertainty: 0.00  
Convergence: 0.35

#### FIELD DETAILS

Lea Co., NM (NAD 83)  
Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico, Eastern Zone  
Magnetic Model: IGRF2010  
System Datum: Mean Sea Level  
Local North: Grid North

#### Survey: Wft Svy (Maduro Unit #9/1)

| No  | MD       | Inc   | Az     | TVD     | +N/-S    | +E/-W   | DLeg | TFace  | VSec    |
|-----|----------|-------|--------|---------|----------|---------|------|--------|---------|
| 103 | 16973.00 | 89.38 | 181.20 | 9988.44 | -7256.26 | -361.34 | 0.00 | 180.00 | 7265.25 |



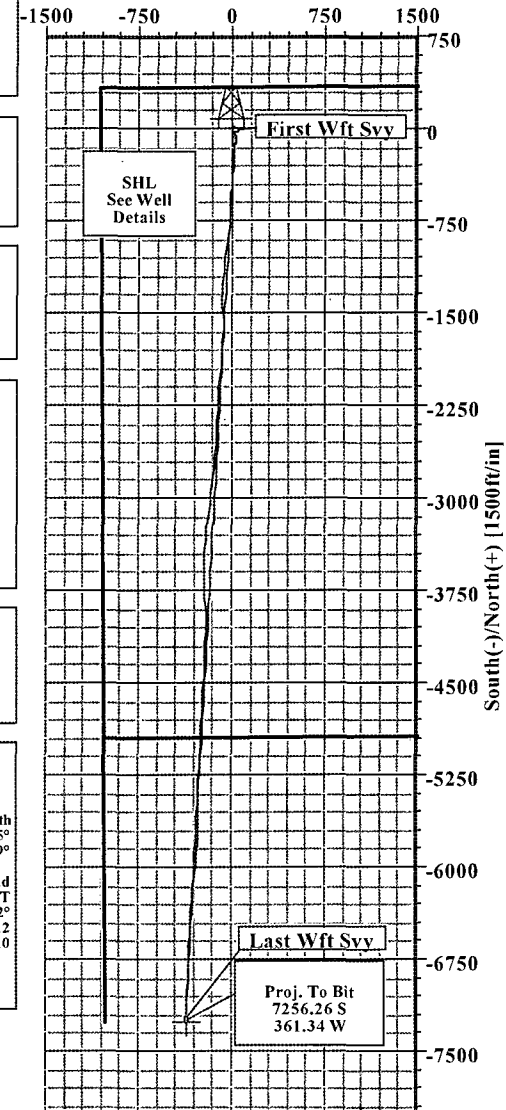
Azimuths to Grid North  
True North: -0.35°  
Magnetic North: 7.19°

Magnetic Field  
Strength: 48767nT  
Dip Angle: 60.52°  
Date: 7/25/2012  
Model: IGRF2010

Total Correction to Grid North: 7.19°

Weatherford

West(-)/East(+) [1500ft/in]



#### LEGEND

- Maduro Unit #9,1,Gyro
- Maduro Unit #9,1,Plan #4
- Queenie 15-3 (Pilot (Don't Use))
- Wft Svy

Survey: Wft Svy (Maduro Unit #9/1)

Created By: Russell W. Joyner

Date: 8/2/2012

