

## Results of Directional Survey

|             |                     |           |                                       |
|-------------|---------------------|-----------|---------------------------------------|
| API number: | <b>30-025-39455</b> |           |                                       |
| OGRID:      |                     | Operator: | <b>HARVARD PETROLEUM COMPANY, LLC</b> |
|             |                     | Property: | <b>WYNN</b> # 1H                      |

|         |        |          |           |                |                |
|---------|--------|----------|-----------|----------------|----------------|
| surface | ULSTR: | <b>D</b> | <b>26</b> | <b>T 16S</b>   | <b>R 38E</b>   |
|         |        |          |           | <b>330 FNL</b> | <b>330 FWL</b> |

|              |           |               |            |                |                 |
|--------------|-----------|---------------|------------|----------------|-----------------|
| BH Loc       | ULSTR:    | <b>A</b>      | <b>26</b>  | <b>T 16S</b>   | <b>R 38E</b>    |
| <b>12670</b> | <b>MD</b> | <b>8259.0</b> | <b>TVD</b> | <b>578 FNL</b> | <b>4854 FWL</b> |

|             |           |               |            |                |                |
|-------------|-----------|---------------|------------|----------------|----------------|
| Top Perf/OH | ULSTR:    | <b>D</b>      | <b>26</b>  | <b>T 16S</b>   | <b>R 38E</b>   |
| <b>8400</b> | <b>MD</b> | <b>8242.9</b> | <b>TVD</b> | <b>340 FNL</b> | <b>597 FWL</b> |

|              |           |               |            |                |                 |
|--------------|-----------|---------------|------------|----------------|-----------------|
| Bot Perf/OH  | ULSTR:    | <b>A</b>      | <b>26</b>  | <b>T 16S</b>   | <b>R 38E</b>    |
| <b>12602</b> | <b>MD</b> | <b>8267.6</b> | <b>TVD</b> | <b>577 FNL</b> | <b>4786 FWL</b> |

|              |              |         |         |         |
|--------------|--------------|---------|---------|---------|
|              | MD           | N/S     | E/W     | VD      |
|              | 8388         | -9.82   | 254.88  | 8240.55 |
| TOP PERFS/OH | <b>8400</b>  | -10.37  | 266.64  | 8242.85 |
|              | 8419         | -11.25  | 285.26  | 8246.49 |
|              | 12575        | -247.16 | 4429.49 | 8270.97 |
| BOT PERFS/OH | <b>12602</b> | -247.35 | 4456.27 | 8267.58 |
|              | 12607        | -247.39 | 4461.23 | 8266.95 |

|              |              |         |         |         |
|--------------|--------------|---------|---------|---------|
| NEXT TO LAST | 12575        | -247.16 | 4429.49 | 8270.97 |
| LAST READING | 12607        | -247.39 | 4461.23 | 8266.95 |
| TD           | <b>12670</b> | -247.84 | 4523.72 | 8259.04 |

|                  |     |    |      |    |
|------------------|-----|----|------|----|
| Surface Location | 330 | FN | 330  | FW |
| Projected BHL    | 578 | FN | 4854 | FW |
| Location of      |     |    |      |    |
| Top Perfs/OH     | 340 | FN | 597  | FW |
| Bottom Perfs/OH  | 577 | FN | 4786 | FW |

### SUMMARY of Subsurface Locations

|                  |              |     |    |      |    |             |
|------------------|--------------|-----|----|------|----|-------------|
| Surface Location | D-26-16S-38E | 330 | FN | 330  | FW | Vert. Depth |
|                  |              |     |    |      |    |             |
| Top Perfs/OH     | D-26-16S-38E | 340 | FN | 597  | FW | 8242.85     |
| Bottom Perfs/OH  | A-26-16S-38E | 577 | FN | 4786 | FW | 8267.58     |
|                  |              |     |    |      |    |             |
| Projected TD     | A-26-16S-38E | 578 | FN | 4854 | FW | 8259.04     |

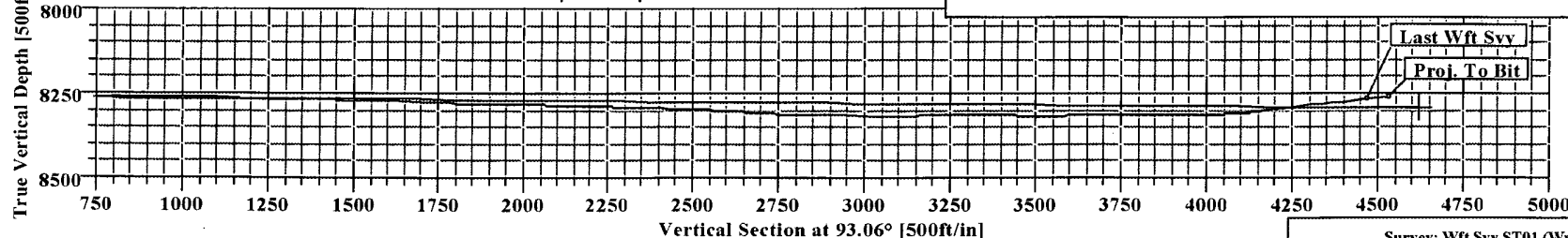
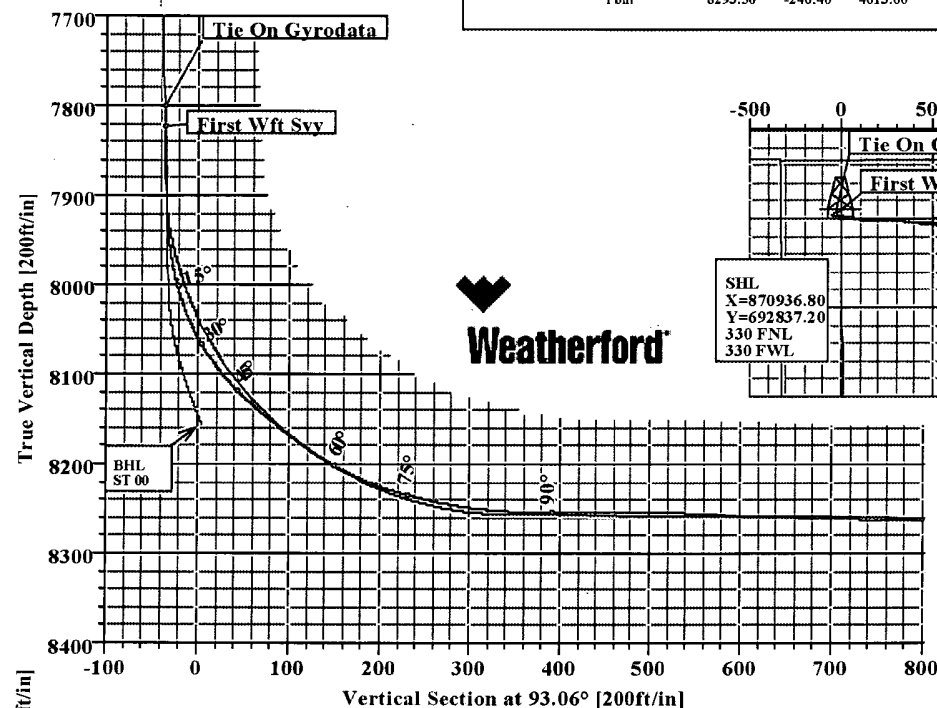
MAY 24 2011



Harvard Petroleum

Wynn #1 Re  
Lea Co, NM

KBELEV: NA  
GLELEV: 3701



#### SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W   | DLeg  | TFace  | VSec    | Target |
|-----|----------|-------|--------|---------|---------|---------|-------|--------|---------|--------|
| 1   | 7800.00  | 1.09  | 100.41 | 7799.30 | 25.44   | -34.88  | 0.00  | 0.00   | -36.19  |        |
| 2   | 7868.00  | 1.14  | 104.54 | 7867.29 | 25.15   | -33.59  | 0.14  | 60.19  | -34.88  |        |
| 3   | 7878.00  | 3.22  | 173.40 | 7877.28 | -24.85  | -33.46  | 30.00 | 89.60  | -34.74  |        |
| 4   | 7883.00  | 3.22  | 173.40 | 7882.27 | -24.57  | -33.43  | 0.00  | 0.00   | -34.69  |        |
| 5   | 8470.21  | 89.50 | 93.08  | 8256.32 | -16.11  | 339.82  | 15.15 | -80.36 | 340.19  |        |
| 6   | 12750.36 | 89.50 | 93.08  | 8293.50 | -246.40 | 4613.60 | 0.00  | 0.00   | 4620.18 | Pbhl   |

#### WELL DETAILS

| Name      | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|-----------|-------|-------|-----------|-----------|---------------|----------------|------|
| Wynn #1RE | 0.00  | 0.00  | 692837.20 | 870936.80 | 32°53'55.850N | 103°07'29.431W | N/A  |

#### TARGET DETAILS

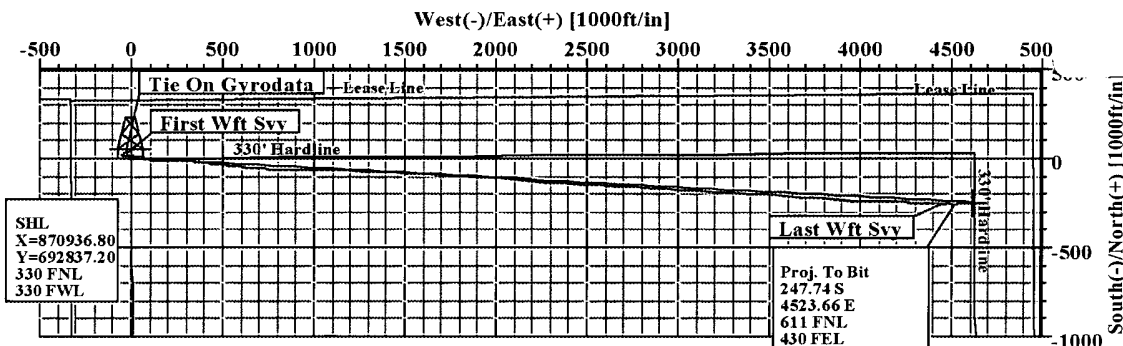
| Name | TVD     | +N/-S   | +E/-W   | Northing  | Easting   | Shape |
|------|---------|---------|---------|-----------|-----------|-------|
| Pbhl | 8293.50 | -246.40 | 4613.60 | 692590.80 | 875550.40 | Point |

#### SITE DETAILS

Wynn #1RE  
Site Centre Northing: 692837.20  
Easting: 870936.80  
Ground Level: 3701.00  
Positional Uncertainty: 0.00  
Convergence: 0.66

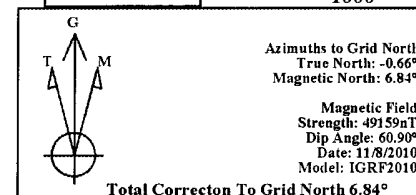
#### FIELD DETAILS

Lea Co, NM (Nad 27)  
Geodetic System: US State Plane Coordinate System 1:  
Ellipsoid: NAD27 (Clarke 1866)  
Zone: New Mexico, Eastern Zone  
Magnetic Model: IGRF2010  
System Datum: Mean Sea Level  
Local North: Grid North



#### LEGEND

Wynn #1RE, ST 01, Plan #4  
Wft Svy ST 01



#### Survey: Wft Svy ST 01 (Wynn #1RE/ST 01)

| No | MD       | Inc   | Az    | TVD     | +N/-S   | +E/-W   | DLeg | TFace | VSec    |
|----|----------|-------|-------|---------|---------|---------|------|-------|---------|
| 88 | 12670.00 | 97.75 | 90.32 | 8258.45 | -247.74 | 4523.66 | 0.00 | 0.00  | 4530.43 |

Last Wft Svy  
Proj. To Bit

#### Survey: Wft Svy ST 01 (Wynn #1RE/ST 01)

Created By: Russell W. Joyner

Date: 3/30/2011

SUR: D-26-16s-38e, 330/ N & 330/W  
BHL: A-26-16s-38e, 578/N & 4854/W  
API # 30-025-39455



# Weatherford International Ltd.

## WFT Survey Report X & Y's

**Weatherford**

|                                   |                                                               |                       |                |
|-----------------------------------|---------------------------------------------------------------|-----------------------|----------------|
| <b>Company:</b> Harvard Petroleum | <b>Date:</b> 11/15/2010                                       | <b>Time:</b> 06:54:36 | <b>Page:</b> 1 |
| <b>Field:</b> Lea Co. NM (Nad 27) | <b>Co-ordinate(NE) Reference:</b> Well: Wynn #1RE, Grid North |                       |                |
| <b>Site:</b> Wynn #1RE            | <b>Vertical (TVD) Reference:</b> SITE 0.0                     |                       |                |
| <b>Well:</b> Wynn #1RE            | <b>Section (VS) Reference:</b> Well (0.00N,0.00E,93.06Azi)    |                       |                |
| <b>Wellpath:</b> ST 01            | <b>Survey Calculation Method:</b> Minimum Curvature           | <b>Db:</b> Sybase     |                |

|                             |                              |
|-----------------------------|------------------------------|
| <b>Survey:</b> Wft Svy ST01 | <b>Start Date:</b> 11/8/2010 |
|-----------------------------|------------------------------|

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| <b>Company:</b> Weatherford International Ltd. | <b>Engineer:</b> Russell W. Joyner |
| <b>Tool:</b> MWD;MWD - Standard                | <b>Tied-to:</b> User Defined       |

**Field:** Lea Co. NM (Nad 27)

|                                                          |                                           |
|----------------------------------------------------------|-------------------------------------------|
| <b>Map System:</b> US State Plane Coordinate System 1927 | <b>Map Zone:</b> New Mexico, Eastern Zone |
| <b>Geo Datum:</b> NAD27 (Clarke 1866)                    | <b>Coordinate System:</b> Well Centre     |
| <b>Sys Datum:</b> Mean Sea Level                         | <b>Geomagnetic Model:</b> IGRF2010        |

**Site:** Wynn #1RE

|                                      |                               |                                   |
|--------------------------------------|-------------------------------|-----------------------------------|
| <b>Site Position:</b>                | <b>Northing:</b> 692837.20 ft | <b>Latitude:</b> 32 53 55.850 N   |
| <b>From:</b> Map                     | <b>Easting:</b> 870936.80 ft  | <b>Longitude:</b> 103 7 29.431 W  |
| <b>Position Uncertainty:</b> 0.00 ft |                               | <b>North Reference:</b> Grid      |
| <b>Ground Level:</b> 3701.00 ft      |                               | <b>Grid Convergence:</b> 0.66 deg |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <b>Well:</b> Wynn #1RE               | <b>Slot Name:</b>                |
| <b>Well Position:</b> +N/-S 0.00 ft  | <b>Northing:</b> 692837.20 ft    |
| +E/-W 0.00 ft                        | <b>Easting:</b> 870936.80 ft     |
| <b>Position Uncertainty:</b> 0.00 ft | <b>Latitude:</b> 32 53 55.850 N  |
|                                      | <b>Longitude:</b> 103 7 29.431 W |

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <b>Wellpath:</b> ST 01                    | <b>Drilled From:</b> ST 00                |
| <b>Current Datum:</b> SITE                | <b>Tie-on Depth:</b> 7800.00 ft           |
| <b>Magnetic Data:</b> 11/8/2010           | <b>Above System Datum:</b> Mean Sea Level |
| <b>Field Strength:</b> 49159 nT           | <b>Declination:</b> 7.50 deg              |
| <b>Vertical Section:</b> Depth From (TVD) | <b>Mag Dip Angle:</b> 60.90 deg           |
| ft                                        | <b>+N/-S</b>                              |
|                                           | ft                                        |
|                                           | <b>+E/-W</b>                              |
|                                           | ft                                        |
|                                           | <b>Direction</b>                          |
|                                           | deg                                       |
| 0.00                                      | 0.00                                      |
| 0.00                                      | 0.00                                      |
|                                           | 93.06                                     |

### 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                          |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|----------------------------------|
| 7800.00  | 1.09        | 100.41      | 7799.30   | 25.44     | -34.88    | 0.00             | -36.19   | 692862.64  | 870901.92  | Tie On Gyrodata<br>First Wft Svy |
| 7824.00  | 1.34        | 113.25      | 7823.30   | 25.29     | -34.40    | 1.55             | -35.70   | 692862.49  | 870902.40  |                                  |
| 7925.00  | 2.73        | 135.17      | 7924.23   | 23.11     | -31.61    | 1.55             | -32.80   | 692860.31  | 870905.19  |                                  |
| 7957.00  | 7.26        | 106.89      | 7956.11   | 21.99     | -29.14    | 15.70            | -30.27   | 692859.19  | 870907.66  |                                  |
| 7988.00  | 11.86       | 109.66      | 7986.67   | 20.34     | -24.26    | 14.91            | -25.31   | 692857.54  | 870912.54  |                                  |
| 8020.00  | 17.91       | 105.55      | 8017.58   | 17.92     | -16.42    | 19.18            | -17.35   | 692855.12  | 870920.38  |                                  |
| 8052.00  | 24.85       | 101.83      | 8047.36   | 15.22     | -5.08     | 22.09            | -5.89    | 692852.42  | 870931.72  |                                  |
| 8083.00  | 32.07       | 101.34      | 8074.60   | 12.26     | 9.38      | 23.30            | 8.72     | 692849.46  | 870946.18  |                                  |
| 8097.00  | 35.26       | 102.92      | 8086.25   | 10.62     | 16.97     | 23.63            | 16.38    | 692847.82  | 870953.77  |                                  |
| 8130.00  | 43.21       | 103.57      | 8111.79   | 5.84      | 37.27     | 24.12            | 36.90    | 692843.04  | 870974.07  |                                  |
| 8166.00  | 49.64       | 102.64      | 8136.59   | -0.06     | 62.66     | 17.96            | 62.57    | 692837.14  | 870999.46  |                                  |
| 8197.00  | 50.35       | 99.00       | 8156.52   | -4.52     | 85.97     | 9.28             | 86.09    | 692832.68  | 871022.77  |                                  |
| 8229.00  | 53.65       | 93.17       | 8176.23   | -7.16     | 111.03    | 17.67            | 111.25   | 692830.04  | 871047.83  |                                  |
| 8261.00  | 57.54       | 89.90       | 8194.31   | -7.85     | 137.41    | 14.79            | 137.63   | 692829.35  | 871074.21  |                                  |
| 8293.00  | 62.72       | 89.18       | 8210.24   | -7.62     | 165.15    | 16.30            | 165.32   | 692829.58  | 871101.95  |                                  |
| 8324.00  | 69.61       | 91.01       | 8222.76   | -7.68     | 193.49    | 22.87            | 193.62   | 692829.52  | 871130.29  |                                  |
| 8356.00  | 74.23       | 92.24       | 8232.69   | -8.55     | 223.88    | 14.89            | 224.02   | 692828.65  | 871160.68  |                                  |
| 8388.00  | 77.34       | 92.46       | 8240.55   | -9.82     | 254.88    | 9.74             | 255.04   | 692827.38  | 871191.68  |                                  |
| 8419.00  | 80.56       | 92.94       | 8246.49   | -11.25    | 285.26    | 10.50            | 285.46   | 692825.95  | 871222.06  |                                  |
| 8451.00  | 83.73       | 93.51       | 8250.86   | -13.04    | 316.91    | 10.06            | 317.15   | 692824.16  | 871253.71  |                                  |
| 8483.00  | 86.74       | 94.93       | 8253.52   | -15.38    | 348.71    | 10.39            | 349.03   | 692821.82  | 871285.51  |                                  |
| 8515.00  | 89.62       | 97.62       | 8254.54   | -18.88    | 380.49    | 12.31            | 380.96   | 692818.32  | 871317.29  |                                  |
| 8542.00  | 90.66       | 98.07       | 8254.47   | -22.56    | 407.24    | 4.20             | 407.86   | 692814.64  | 871344.04  |                                  |
| 8573.00  | 90.87       | 98.03       | 8254.06   | -26.90    | 437.93    | 0.69             | 438.74   | 692810.30  | 871374.73  |                                  |



# Weatherford International Ltd.

## WFT Survey Report X & Y's

**Weatherford®**

**Company:** Harvard Petroleum  
**Field:** Lea Co. NM (Nad 27)  
**Site:** Wynn #1RE  
**Well:** Wynn #1RE  
**Wellpath:** ST 01

**Date:** 11/15/2010  
**Co-ordinate(NE) Reference:** Well: Wynn #1RE, Grid North  
**Vertical (TVD) Reference:** SITE 0.0  
**Section (VS) Reference:** Well (0.00N,0.00E,93.06Azi)  
**Survey Calculation Method:** Minimum Curvature  
**Db:** Sybase

Page: 2

### 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 |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|---------|
| 8605.00  | 89.55       | 98.42       | 8253.94   | -31.48    | 469.60    | 4.30             | 470.61   | 692805.72  | 871406.40  |         |
| 8637.00  | 88.92       | 98.55       | 8254.37   | -36.20    | 501.25    | 2.01             | 502.46   | 692801.00  | 871438.05  |         |
| 8668.00  | 88.64       | 96.87       | 8255.03   | -40.36    | 531.96    | 5.49             | 533.35   | 692796.84  | 871468.76  |         |
| 8700.00  | 87.66       | 94.95       | 8256.06   | -43.65    | 563.77    | 6.73             | 565.30   | 692793.55  | 871500.57  |         |
| 8732.00  | 87.59       | 95.24       | 8257.39   | -46.49    | 595.62    | 0.93             | 597.25   | 692790.71  | 871532.42  |         |
| 8763.00  | 88.50       | 95.78       | 8258.45   | -49.47    | 626.45    | 3.41             | 628.20   | 692787.73  | 871563.25  |         |
| 8795.00  | 88.36       | 94.53       | 8259.32   | -52.34    | 658.31    | 3.93             | 660.17   | 692784.86  | 871595.11  |         |
| 8826.00  | 87.94       | 94.61       | 8260.32   | -54.81    | 689.20    | 1.38             | 691.14   | 692782.39  | 871626.00  |         |
| 8858.00  | 88.64       | 93.52       | 8261.28   | -57.08    | 721.10    | 4.05             | 723.12   | 692780.12  | 871657.90  |         |
| 8890.00  | 88.78       | 91.93       | 8262.00   | -58.60    | 753.06    | 4.99             | 755.11   | 692778.60  | 871689.86  |         |
| 8922.00  | 88.78       | 91.93       | 8262.68   | -59.68    | 785.03    | 0.00             | 787.10   | 692777.52  | 871721.83  |         |
| 8953.00  | 89.48       | 90.00       | 8263.15   | -60.20    | 816.02    | 6.62             | 818.07   | 692777.00  | 871752.82  |         |
| 8985.00  | 89.48       | 91.16       | 8263.44   | -60.52    | 848.02    | 3.62             | 850.04   | 692776.68  | 871784.82  |         |
| 9016.00  | 89.27       | 90.71       | 8263.78   | -61.03    | 879.01    | 1.60             | 881.02   | 692776.17  | 871815.81  |         |
| 9048.00  | 89.27       | 90.87       | 8264.19   | -61.47    | 911.01    | 0.50             | 912.99   | 692775.73  | 871847.81  |         |
| 9080.00  | 89.06       | 90.75       | 8264.65   | -61.92    | 943.00    | 0.76             | 944.96   | 692775.28  | 871879.80  |         |
| 9111.00  | 88.85       | 90.95       | 8265.22   | -62.38    | 973.99    | 0.94             | 975.93   | 692774.82  | 871910.79  |         |
| 9143.00  | 89.55       | 90.18       | 8265.67   | -62.70    | 1005.99   | 3.25             | 1007.90  | 692774.50  | 871942.79  |         |
| 9175.00  | 90.03       | 92.16       | 8265.78   | -63.35    | 1037.98   | 6.37             | 1039.88  | 692773.85  | 871974.78  |         |
| 9206.00  | 89.97       | 91.80       | 8265.78   | -64.42    | 1068.96   | 1.18             | 1070.87  | 692772.78  | 872005.76  |         |
| 9238.00  | 89.80       | 91.76       | 8265.85   | -65.42    | 1100.94   | 0.55             | 1102.87  | 692771.78  | 872037.74  |         |
| 9270.00  | 89.60       | 91.76       | 8266.01   | -66.40    | 1132.93   | 0.62             | 1134.86  | 692770.80  | 872069.73  |         |
| 9302.00  | 89.62       | 91.42       | 8266.23   | -67.29    | 1164.92   | 1.06             | 1166.85  | 692769.91  | 872101.72  |         |
| 9397.00  | 89.06       | 92.09       | 8267.33   | -70.20    | 1259.86   | 0.92             | 1261.81  | 692767.00  | 872196.66  |         |
| 9491.00  | 90.10       | 92.98       | 8268.02   | -74.35    | 1353.77   | 1.46             | 1355.81  | 692762.85  | 872290.57  |         |
| 9555.00  | 89.83       | 93.32       | 8268.05   | -77.87    | 1417.67   | 0.68             | 1419.81  | 692759.33  | 872354.47  |         |
| 9650.00  | 88.36       | 92.70       | 8269.55   | -82.86    | 1512.52   | 1.68             | 1514.79  | 692754.34  | 872449.32  |         |
| 9745.00  | 88.15       | 92.91       | 8272.45   | -87.50    | 1607.37   | 0.31             | 1609.75  | 692749.70  | 872544.17  |         |
| 9840.00  | 88.21       | 92.96       | 8275.46   | -92.37    | 1702.19   | 0.08             | 1704.70  | 692744.83  | 872638.99  |         |
| 9935.00  | 87.87       | 93.23       | 8278.71   | -97.49    | 1797.00   | 0.46             | 1799.64  | 692739.71  | 872733.80  |         |
| 10030.00 | 89.55       | 93.00       | 8280.85   | -102.65   | 1891.83   | 1.78             | 1894.61  | 692734.55  | 872828.63  |         |
| 10125.00 | 88.77       | 93.95       | 8282.25   | -108.41   | 1986.64   | 1.29             | 1989.60  | 692728.79  | 872923.44  |         |
| 10220.00 | 88.36       | 94.86       | 8284.62   | -115.71   | 2081.33   | 1.05             | 2084.54  | 692721.49  | 873018.13  |         |
| 10315.00 | 88.99       | 95.57       | 8286.82   | -124.34   | 2175.91   | 1.00             | 2179.45  | 692712.86  | 873112.71  |         |
| 10410.00 | 87.72       | 94.32       | 8289.55   | -132.52   | 2270.52   | 1.88             | 2274.35  | 692704.68  | 873207.32  |         |
| 10506.00 | 88.14       | 93.07       | 8293.02   | -138.71   | 2366.25   | 1.37             | 2370.28  | 692698.49  | 873303.05  |         |
| 10601.00 | 87.94       | 93.11       | 8296.27   | -143.82   | 2461.06   | 0.21             | 2465.23  | 692693.38  | 873397.86  |         |
| 10696.00 | 87.38       | 93.11       | 8300.14   | -148.97   | 2555.84   | 0.59             | 2560.15  | 692688.23  | 873492.64  |         |
| 10791.00 | 86.53       | 93.30       | 8305.19   | -154.28   | 2650.56   | 0.92             | 2655.01  | 692682.92  | 873587.36  |         |
| 10886.00 | 87.03       | 93.41       | 8310.53   | -159.83   | 2745.24   | 0.54             | 2749.86  | 692677.37  | 873682.04  |         |
| 10981.00 | 88.78       | 92.92       | 8314.00   | -165.07   | 2840.03   | 1.91             | 2844.79  | 692672.13  | 873776.83  |         |
| 11056.00 | 89.62       | 92.75       | 8315.05   | -168.78   | 2914.93   | 1.14             | 2919.78  | 692668.42  | 873851.73  |         |
| 11152.00 | 89.62       | 92.76       | 8315.68   | -173.39   | 3010.82   | 0.01             | 3015.78  | 692663.81  | 873947.62  |         |
| 11247.00 | 90.52       | 93.13       | 8315.57   | -178.27   | 3105.69   | 1.02             | 3110.78  | 692658.93  | 874042.49  |         |
| 11342.00 | 90.38       | 93.55       | 8314.82   | -183.81   | 3200.53   | 0.47             | 3205.78  | 692653.39  | 874137.33  |         |
| 11438.00 | 89.69       | 93.13       | 8314.76   | -189.40   | 3296.36   | 0.84             | 3301.77  | 692647.80  | 874233.16  |         |
| 11532.00 | 90.03       | 93.50       | 8314.99   | -194.84   | 3390.21   | 0.53             | 3395.77  | 692642.36  | 874327.01  |         |
| 11627.00 | 89.48       | 93.85       | 8315.40   | -200.93   | 3485.01   | 0.69             | 3490.76  | 692636.27  | 874421.81  |         |
| 11723.00 | 90.73       | 94.04       | 8315.22   | -207.53   | 3580.78   | 1.32             | 3586.75  | 692629.67  | 874517.58  |         |
| 11818.00 | 90.10       | 94.22       | 8314.53   | -214.37   | 3675.53   | 0.69             | 3681.73  | 692622.83  | 874612.33  |         |
| 11913.00 | 89.82       | 94.90       | 8314.60   | -221.92   | 3770.23   | 0.77             | 3776.70  | 692615.28  | 874707.03  |         |
| 12008.00 | 90.45       | 93.75       | 8314.38   | -229.09   | 3864.96   | 1.38             | 3871.67  | 692608.11  | 874801.76  |         |



# Weatherford International Ltd.

## WFT Survey Report X & Y's

**Weatherford**

**Company:** Harvard Petroleum  
**Field:** Lea Co. NM (Nad 27)  
**Site:** Wynn #1RE  
**Well:** Wynn #1RE  
**Wellpath:** ST 01

**Date:** 11/15/2010  
**Co-ordinate(NE) Reference:** Well: Wynn #1RE, Grid North  
**Vertical (TVD) Reference:** SITE 0.0  
**Section (VS) Reference:** Well (0.00N,0.00E,93.06Azi)  
**Survey Calculation Method:** Minimum Curvature  
**Db:** Sybase

**Page:** 3

### 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      |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|--------------|
| 12101.00 | 91.43       | 93.16       | 8312.85   | -234.69   | 3957.77   | 1.23             | 3964.66  | 692602.51  | 874894.57  |              |
| 12196.00 | 92.62       | 91.68       | 8309.49   | -238.70   | 4052.62   | 2.00             | 4059.59  | 692598.50  | 874989.42  |              |
| 12291.00 | 96.62       | 91.77       | 8301.84   | -241.55   | 4147.25   | 4.21             | 4154.23  | 692595.65  | 875084.05  |              |
| 12323.00 | 96.98       | 91.70       | 8298.05   | -242.51   | 4179.01   | 1.15             | 4186.00  | 692594.69  | 875115.81  |              |
| 12386.00 | 96.91       | 91.50       | 8290.44   | -244.26   | 4241.53   | 0.33             | 4248.52  | 692592.94  | 875178.33  |              |
| 12418.00 | 95.85       | 91.06       | 8286.88   | -244.97   | 4273.32   | 3.58             | 4280.30  | 692592.23  | 875210.12  |              |
| 12449.00 | 96.70       | 91.03       | 8283.49   | -245.53   | 4304.13   | 2.74             | 4311.10  | 692591.67  | 875240.93  |              |
| 12480.00 | 95.64       | 90.95       | 8280.16   | -246.06   | 4334.94   | 3.43             | 4341.90  | 692591.14  | 875271.74  |              |
| 12512.00 | 94.87       | 90.66       | 8277.23   | -246.51   | 4366.81   | 2.57             | 4373.74  | 692590.69  | 875303.61  |              |
| 12544.00 | 95.64       | 90.58       | 8274.30   | -246.86   | 4398.67   | 2.42             | 4405.58  | 692590.34  | 875335.47  |              |
| 12575.00 | 96.69       | 90.53       | 8270.97   | -247.16   | 4429.49   | 3.39             | 4436.37  | 692590.04  | 875366.29  |              |
| 12607.00 | 97.75       | 90.32       | 8266.95   | -247.39   | 4461.23   | 3.38             | 4468.08  | 692589.81  | 875398.03  | Last Wft Svy |
| 12670.00 | 97.75       | 90.32       | 8258.45   | -247.74   | 4523.66   | 0.00             | 4530.43  | 692589.46  | 875460.46  | Proj. To Bit |

### Annotation

| MD<br>ft | TVD<br>ft |                 |
|----------|-----------|-----------------|
| 7800.00  | 7799.30   | Tie On Gyrodata |
| 7824.00  | 7823.30   | First Wft Svy   |
| 12607.00 | 8266.95   | Last Wft Svy    |
| 12670.00 | 8258.45   | Proj. To Bit    |