

## Results of Directional Survey

|             |                     |           |                                    |
|-------------|---------------------|-----------|------------------------------------|
| API number: | <b>30-025-41057</b> |           |                                    |
| OGRID:      |                     | Operator: | <b>YATES PETROLEUM CORPORATION</b> |
|             |                     | Property: | <b>HEARTTHROB BSX</b> # 2H         |

|         |        |          |           |                |                 |
|---------|--------|----------|-----------|----------------|-----------------|
| surface | ULSTR: | <b>C</b> | <b>17</b> | <b>T 24S</b>   | <b>R 33E</b>    |
|         |        |          |           | <b>200 FNL</b> | <b>1860 FWL</b> |

|              |           |                |            |                |                 |
|--------------|-----------|----------------|------------|----------------|-----------------|
| BH Loc       | ULSTR:    | <b>N</b>       | <b>17</b>  | <b>T 24S</b>   | <b>R 33E</b>    |
| <b>15824</b> | <b>MD</b> | <b>11140.3</b> | <b>TVD</b> | <b>217 FSL</b> | <b>2012 FWL</b> |
| 5063 FNL     |           |                |            |                |                 |

|              |           |                |            |                |                 |
|--------------|-----------|----------------|------------|----------------|-----------------|
| Top Perf/OH  | ULSTR:    | <b>C</b>       | <b>17</b>  | <b>T 24S</b>   | <b>R 33E</b>    |
| <b>11417</b> | <b>MD</b> | <b>11156.7</b> | <b>TVD</b> | <b>713 FNL</b> | <b>2141 FWL</b> |

|              |           |                |            |                |                 |
|--------------|-----------|----------------|------------|----------------|-----------------|
| Bot Perf/OH  | ULSTR:    | <b>N</b>       | <b>17</b>  | <b>T 24S</b>   | <b>R 33E</b>    |
| <b>15721</b> | <b>MD</b> | <b>11141.5</b> | <b>TVD</b> | <b>320 FSL</b> | <b>2012 FWL</b> |
| 4960 FNL     |           |                |            |                |                 |

|              |              |          |        |          |
|--------------|--------------|----------|--------|----------|
|              | MD           | N/S      | E/W    | VD       |
|              | 11391        | -464.87  | 259.70 | 11163.7  |
| TOP PERFS/OH | <b>11417</b> | -513.34  | 280.58 | 11156.74 |
|              | 11422        | -522.66  | 284.59 | 11155.40 |
|              | 15689        | -4727.90 | 152.20 | 11142.00 |
| BOT PERFS/OH | <b>15721</b> | -4759.90 | 152.20 | 11141.54 |
|              | 15724        | -4762.90 | 152.20 | 11141.50 |

|              |              |          |        |          |
|--------------|--------------|----------|--------|----------|
| NEXT TO LAST | 15766        | -4804.90 | 152.10 | 11141.00 |
| LAST READING | 15824        | -4862.90 | 151.90 | 11140.30 |
| TD           | <b>15824</b> | -4862.90 | 151.90 | 11140.30 |

|                  |      |    |      |    |
|------------------|------|----|------|----|
| Surface Location | 200  | FN | 1860 | FW |
| Projected BHL    | 5063 | FN | 2012 | FW |
| Location of      |      |    |      |    |
| Top Perfs/OH     | 713  | FN | 2141 | FW |
| Bottom Perfs/OH  | 4960 | FN | 2012 | FW |

### SUMMARY of Subsurface Locations

|                         |              |      |    |      |    |             |
|-------------------------|--------------|------|----|------|----|-------------|
| <b>Surface Location</b> | C-17-24S-33E | 200  | FN | 1860 | FW | Vert. Depth |
| <b>Top Perfs/OH</b>     | C-17-24S-33E | 713  | FN | 2141 | FW | 11156.74    |
| <b>Bottom Perfs/OH</b>  | N-17-24S-33E | 4960 | FN | 2012 | FW | 11141.54    |
| <b>Projected TD</b>     | N-17-24S-33E | 5063 | FN | 2012 | FW | 11140.30    |

JUN 06 2014



Job Number: SVMO-140251  
 Company: Yates Petroleum Corporation  
 Lease/Well: Heartthrob BSX State 2H  
 Location: Lea County, NM  
 Rig Name: Cactus #124  
 RKB: 25'  
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA  
 Declination: 6.90°  
 Grid: East To Grid North  
 File name: S:\2014SU~1\YATES\MO\HEARTT~12H.SVY  
 Date/Time: 03-Mar-14 / 14:10  
 Curve Name: Surface - 1200' M.D. (Rate Gyro)

HOBBS OCD  
 MAY 30 2014  
 RECEIVED

### MS SURVEY

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 178.90  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from  
 Surface MD to 1200' MD is, to the best of  
 our knowledge a true and accurate account of the  
 well bore.  
Keegan Reed 3/3/14  
 MS Energy Services Date

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | N-S<br>FT | E-W<br>FT | Vertical<br>Section<br>FT | C L O S U R E  |                  | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           |           |           |                           | Distance<br>FT | Direction<br>Deg |                               |
| .00                     | .00                  | .00                       | .00                       | .00       | .00       | .00                       | .00            | .00              | .00                           |
| 100.00                  | .36                  | 148.92                    | 100.00                    | -.27      | .16       | .27                       | .31            | 148.92           | .36                           |
| 200.00                  | .53                  | 149.94                    | 200.00                    | -.94      | .56       | .95                       | 1.09           | 149.35           | .17                           |
| 300.00                  | .47                  | 162.80                    | 299.99                    | -1.73     | .91       | 1.75                      | 1.95           | 152.29           | .13                           |
| 400.00                  | .41                  | 143.61                    | 399.99                    | -2.41     | 1.24      | 2.43                      | 2.71           | 152.73           | .16                           |
| 500.00                  | .45                  | 141.19                    | 499.99                    | -3.00     | 1.70      | 3.04                      | 3.45           | 150.48           | .04                           |
| 600.00                  | .52                  | 157.60                    | 599.98                    | -3.73     | 2.12      | 3.77                      | 4.29           | 150.39           | .15                           |
| 700.00                  | .69                  | 151.30                    | 699.98                    | -4.68     | 2.58      | 4.73                      | 5.34           | 151.10           | .18                           |
| 800.00                  | .82                  | 147.27                    | 799.97                    | -5.81     | 3.26      | 5.87                      | 6.66           | 150.71           | .14                           |
| 900.00                  | .61                  | 143.67                    | 899.96                    | -6.84     | 3.96      | 6.91                      | 7.90           | 149.92           | .21                           |

| Measured<br>Depth<br>FT           | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | N-S<br>FT | E-W<br>FT | Vertical<br>Section<br>FT | C L O S U R E  |                  | Dogleg<br>Severity<br>Deg/100 |
|-----------------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|----------------|------------------|-------------------------------|
|                                   |                      |                           |                           |           |           |                           | Distance<br>FT | Direction<br>Deg |                               |
| 1000.00                           | .33                  | 151.12                    | 999.96                    | -7.52     | 4.41      | 7.60                      | 8.72           | 149.58           | .29                           |
| 1100.00                           | .15                  | 184.82                    | 1099.96                   | -7.90     | 4.54      | 7.99                      | 9.11           | 150.11           | .22                           |
| <b>Last Survey Depth Recorded</b> |                      |                           |                           |           |           |                           |                |                  |                               |
| 1200.00                           | .23                  | 329.94                    | 1199.96                   | -7.86     | 4.43      | 7.94                      | 9.02           | 150.58           | .36                           |

HOBBS OCD

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# **Yates Petroleum**

Lea County, NM (NAD-83)

Heartthrob BSX State

#2H

ST1

Design: ST1

## **Standard Survey Report**

19 March, 2014

# Survey Report

|                  |                         |                                     |                              |
|------------------|-------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Yates Petroleum         | <b>Local Co-ordinate Reference:</b> | Well #2H                     |
| <b>Project:</b>  | Lea County, NM (NAD-83) | <b>TVD Reference:</b>               | RKB @ 3607.0usft (Cactus124) |
| <b>Site:</b>     | Hearthrob BSX State     | <b>MD Reference:</b>                | RKB @ 3607.0usft (Cactus124) |
| <b>Well:</b>     | #2H                     | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | ST1                     | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | ST1                     | <b>Database:</b>                    | Houston R5000 Database       |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD-83)   |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                      |                |

|                       |          |                     |                 |                   |                   |
|-----------------------|----------|---------------------|-----------------|-------------------|-------------------|
| Site                  |          | Hearthrob BSX State |                 |                   |                   |
| Site Position:        |          | Northing:           | 446,154.41 usft | Latitude:         | 32° 13' 27.873 N  |
| From:                 | Map      | Easting:            | 769,083.10 usft | Longitude:        | 103° 35' 48.664 W |
| Position Uncertainty: | 0.0 usft | Slot Radius:        | 13-3/16 "       | Grid Convergence: | 0.39 °            |

|                      |       |          |                     |                 |               |                   |
|----------------------|-------|----------|---------------------|-----------------|---------------|-------------------|
| Well                 | #2H   |          |                     |                 |               |                   |
| Well Position        | +N/-S | 0.0 usft | Northing:           | 446,154.41 usft | Latitude:     | 32° 13' 27.873 N  |
|                      | +E/-W | 0.0 usft | Easting:            | 769,083.10 usft | Longitude:    | 103° 35' 48.664 W |
| Position Uncertainty |       | 0.0 usft | Wellhead Elevation: | 0.0 usft        | Ground Level: | 3,582.0 usft      |

|                  |                   |                    |                           |                         |                               |
|------------------|-------------------|--------------------|---------------------------|-------------------------|-------------------------------|
| <b>Wellbore</b>  | ST1               |                    |                           |                         |                               |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b><br>(°) | <b>Dip Angle</b><br>(°) | <b>Field Strength</b><br>(nT) |
|                  | IGRF2010          | 3/6/2014           | 7.26                      | 60.11                   | 48,340                        |

|                          |                                   |                        |                        |                         |         |
|--------------------------|-----------------------------------|------------------------|------------------------|-------------------------|---------|
| <b>Design</b>            | ST1                               |                        |                        |                         |         |
| <b>Audit Notes:</b>      |                                   |                        |                        |                         |         |
| <b>Version:</b>          | 1.0                               | <b>Phase:</b>          | ACTUAL                 | <b>Tie On Depth:</b>    | 9,465.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b><br>(usft) | <b>+N/-S</b><br>(usft) | <b>+E/-W</b><br>(usft) | <b>Direction</b><br>(°) |         |
|                          | 0.0                               | 0.0                    | 0.0                    | 178.22                  |         |

|                       |                     |                                        |                  |                    |  |
|-----------------------|---------------------|----------------------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>         | 3/19/2014                              |                  |                    |  |
| <b>From</b><br>(usft) | <b>To</b><br>(usft) | <b>Survey (Wellbore)</b>               | <b>Tool Name</b> | <b>Description</b> |  |
| 100.0                 | 1,200.0             | Survey #1 - GYRO (OH)                  | Good_gyro        | Good Gyro          |  |
| 1,227.0               | 9,465.0             | Survey #2 - Crescent MWD Surveys (OH)  | MWD              | MWD - Standard     |  |
| 9,622.0               | 15,824.0            | Survey #3 - Crescent MWD Surveys ST1 ( | MWD              | MWD - Standard     |  |

|                                 |                           |                       |                                 |                        |                        |                                   |                                   |                                  |                                 |  |
|---------------------------------|---------------------------|-----------------------|---------------------------------|------------------------|------------------------|-----------------------------------|-----------------------------------|----------------------------------|---------------------------------|--|
| <b>Survey</b>                   |                           |                       |                                 |                        |                        |                                   |                                   |                                  |                                 |  |
| <b>Measured Depth</b><br>(usft) | <b>Inclination</b><br>(°) | <b>Azimuth</b><br>(°) | <b>Vertical Depth</b><br>(usft) | <b>+N/-S</b><br>(usft) | <b>+E/-W</b><br>(usft) | <b>Vertical Section</b><br>(usft) | <b>Dogleg Rate</b><br>(°/100usft) | <b>Build Rate</b><br>(°/100usft) | <b>Turn Rate</b><br>(°/100usft) |  |
| 0.0                             | 0.00                      | 0.00                  | 0.0                             | 0.0                    | 0.0                    | 0.0                               | 0.00                              | 0.00                             | 0.00                            |  |
| 100.0                           | 0.36                      | 148.92                | 100.0                           | -0.3                   | 0.2                    | 0.3                               | 0.36                              | 0.36                             | 0.00                            |  |
| 200.0                           | 0.53                      | 149.94                | 200.0                           | -0.9                   | 0.6                    | 1.0                               | 0.17                              | 0.17                             | 1.02                            |  |
| 300.0                           | 0.47                      | 162.80                | 300.0                           | -1.7                   | 0.9                    | 1.8                               | 0.13                              | -0.06                            | 12.86                           |  |
| 400.0                           | 0.41                      | 143.61                | 400.0                           | -2.4                   | 1.2                    | 2.4                               | 0.16                              | -0.06                            | -19.19                          |  |
| 500.0                           | 0.45                      | 141.19                | 500.0                           | -3.0                   | 1.7                    | 3.1                               | 0.04                              | 0.04                             | -2.42                           |  |
| 600.0                           | 0.52                      | 157.60                | 600.0                           | -3.7                   | 2.1                    | 3.8                               | 0.15                              | 0.07                             | 16.41                           |  |
| 700.0                           | 0.69                      | 151.30                | 700.0                           | -4.7                   | 2.6                    | 4.8                               | 0.18                              | 0.17                             | -6.30                           |  |
| 800.0                           | 0.82                      | 147.27                | 800.0                           | -5.8                   | 3.3                    | 5.9                               | 0.14                              | 0.13                             | -4.03                           |  |

# Survey Report

|                  |                         |                                     |                              |
|------------------|-------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Yates Petroleum         | <b>Local Co-ordinate Reference:</b> | Well #2H                     |
| <b>Project:</b>  | Lea County, NM (NAD-83) | <b>TVD Reference:</b>               | RKB @ 3607.0usft (Cactus124) |
| <b>Site:</b>     | Heartthrob BSX State    | <b>MD Reference:</b>                | RKB @ 3607.0usft (Cactus124) |
| <b>Well:</b>     | #2H                     | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | ST1                     | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | ST1                     | <b>Database:</b>                    | Houston R5000 Database       |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 900.0                 | 0.61            | 143.67      | 900.0                 | -6.8         | 4.0          | 7.0                     | 0.21                    | -0.21                  | -3.60                 |
| 1,000.0               | 0.33            | 151.12      | 1,000.0               | -7.5         | 4.4          | 7.7                     | 0.29                    | -0.28                  | 7.45                  |
| 1,100.0               | 0.15            | 184.82      | 1,100.0               | -7.9         | 4.5          | 8.0                     | 0.22                    | -0.18                  | 33.70                 |
| 1,200.0               | 0.23            | 329.94      | 1,200.0               | -7.9         | 4.4          | 8.0                     | 0.36                    | 0.08                   | 145.12                |
| 1,227.0               | 0.40            | 310.90      | 1,227.0               | -7.8         | 4.3          | 7.9                     | 0.73                    | 0.63                   | -70.52                |
| 1,417.0               | 0.40            | 359.40      | 1,417.0               | -6.7         | 3.8          | 6.8                     | 0.17                    | 0.00                   | 25.53                 |
| 1,606.0               | 0.40            | 321.60      | 1,605.9               | -5.5         | 3.4          | 5.6                     | 0.14                    | 0.00                   | -20.00                |
| 1,795.0               | 0.30            | 304.30      | 1,794.9               | -4.7         | 2.6          | 4.8                     | 0.08                    | -0.05                  | -9.15                 |
| 1,984.0               | 0.30            | 290.20      | 1,983.9               | -4.2         | 1.7          | 4.3                     | 0.04                    | 0.00                   | -7.46                 |
| 2,174.0               | 0.20            | 306.10      | 2,173.9               | -3.9         | 1.0          | 3.9                     | 0.06                    | -0.05                  | 8.37                  |
| 2,363.0               | 0.30            | 351.10      | 2,362.9               | -3.2         | 0.6          | 3.2                     | 0.11                    | 0.05                   | 23.81                 |
| 2,553.0               | 0.30            | 342.90      | 2,552.9               | -2.2         | 0.4          | 2.2                     | 0.02                    | 0.00                   | -4.32                 |
| 2,743.0               | 0.40            | 2.20        | 2,742.9               | -1.1         | 0.3          | 1.1                     | 0.08                    | 0.05                   | 10.16                 |
| 2,932.0               | 0.60            | 27.50       | 2,931.9               | 0.5          | 0.8          | -0.4                    | 0.16                    | 0.11                   | 13.39                 |
| 3,122.0               | 0.70            | 35.30       | 3,121.9               | 2.3          | 1.9          | -2.2                    | 0.07                    | 0.05                   | 4.11                  |
| 3,310.0               | 1.20            | 48.60       | 3,309.9               | 4.5          | 4.0          | -4.4                    | 0.29                    | 0.27                   | 7.07                  |
| 3,497.0               | 1.10            | 81.40       | 3,496.9               | 6.1          | 7.3          | -5.9                    | 0.35                    | -0.05                  | 17.54                 |
| 3,688.0               | 0.50            | 197.40      | 3,687.8               | 5.6          | 8.9          | -5.3                    | 0.73                    | -0.31                  | 60.73                 |
| 3,877.0               | 0.50            | 166.20      | 3,876.8               | 4.0          | 8.8          | -3.7                    | 0.14                    | 0.00                   | -16.51                |
| 3,972.0               | 0.50            | 168.20      | 3,971.8               | 3.2          | 9.0          | -2.9                    | 0.02                    | 0.00                   | 2.11                  |
| 4,066.0               | 0.50            | 168.30      | 4,065.8               | 2.4          | 9.2          | -2.1                    | 0.00                    | 0.00                   | 0.11                  |
| 4,161.0               | 0.50            | 172.80      | 4,160.8               | 1.6          | 9.3          | -1.3                    | 0.04                    | 0.00                   | 4.74                  |
| 4,256.0               | 0.50            | 180.60      | 4,255.8               | 0.7          | 9.3          | -0.4                    | 0.07                    | 0.00                   | 8.21                  |
| 4,351.0               | 1.00            | 150.10      | 4,350.8               | -0.4         | 9.7          | 0.7                     | 0.66                    | 0.53                   | -32.11                |
| 4,446.0               | 1.00            | 133.70      | 4,445.8               | -1.7         | 10.8         | 2.0                     | 0.30                    | 0.00                   | -17.26                |
| 4,540.0               | 0.20            | 186.90      | 4,539.8               | -2.4         | 11.3         | 2.8                     | 0.95                    | -0.85                  | 56.60                 |
| 4,635.0               | 0.40            | 172.20      | 4,634.8               | -2.9         | 11.4         | 3.3                     | 0.22                    | 0.21                   | -15.47                |
| 4,731.0               | 0.90            | 136.70      | 4,730.8               | -3.8         | 11.9         | 4.2                     | 0.65                    | 0.52                   | -36.98                |
| 4,825.0               | 0.90            | 138.80      | 4,824.8               | -4.9         | 12.9         | 5.3                     | 0.04                    | 0.00                   | 2.23                  |
| 4,920.0               | 0.50            | 208.40      | 4,919.8               | -5.8         | 13.2         | 6.2                     | 0.91                    | -0.42                  | 73.26                 |
| 5,014.0               | 0.70            | 226.60      | 5,013.8               | -6.6         | 12.6         | 7.0                     | 0.29                    | 0.21                   | 19.36                 |
| 5,109.0               | 0.60            | 224.10      | 5,108.8               | -7.3         | 11.8         | 7.7                     | 0.11                    | -0.11                  | -2.63                 |
| 5,154.0               | 0.50            | 228.70      | 5,153.8               | -7.6         | 11.5         | 8.0                     | 0.24                    | -0.22                  | 10.22                 |
| 5,300.0               | 0.40            | 207.40      | 5,299.7               | -8.5         | 10.8         | 8.8                     | 0.13                    | -0.07                  | -14.59                |
| 5,490.0               | 0.40            | 217.00      | 5,489.7               | -9.6         | 10.1         | 9.9                     | 0.04                    | 0.00                   | 5.05                  |
| 5,679.0               | 0.40            | 161.00      | 5,678.7               | -10.8        | 9.9          | 11.1                    | 0.20                    | 0.00                   | -29.63                |
| 5,869.0               | 0.30            | 212.50      | 5,868.7               | -11.8        | 9.9          | 12.1                    | 0.17                    | -0.05                  | 27.11                 |
| 6,058.0               | 0.40            | 240.50      | 6,057.7               | -12.6        | 9.0          | 12.8                    | 0.10                    | 0.05                   | 14.81                 |
| 6,247.0               | 0.50            | 253.20      | 6,246.7               | -13.1        | 7.7          | 13.4                    | 0.07                    | 0.05                   | 6.72                  |
| 6,435.0               | 0.40            | 250.80      | 6,434.7               | -13.6        | 6.3          | 13.8                    | 0.05                    | -0.05                  | -1.28                 |
| 6,625.0               | 0.80            | 239.20      | 6,624.7               | -14.5        | 4.5          | 14.6                    | 0.22                    | 0.21                   | -6.11                 |
| 6,815.0               | 0.90            | 297.70      | 6,814.7               | -14.5        | 2.0          | 14.5                    | 0.44                    | 0.05                   | 30.79                 |
| 7,005.0               | 0.90            | 281.60      | 7,004.7               | -13.5        | -0.8         | 13.4                    | 0.13                    | 0.00                   | -8.47                 |

# Survey Report

|                  |                         |                                     |                              |
|------------------|-------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Yates Petroleum         | <b>Local Co-ordinate Reference:</b> | Well #2H                     |
| <b>Project:</b>  | Lea County, NM (NAD-83) | <b>TVD Reference:</b>               | RKB @ 3607.0usft (Cactus124) |
| <b>Site:</b>     | Heartthrob BSX State    | <b>MD Reference:</b>                | RKB @ 3607.0usft (Cactus124) |
| <b>Well:</b>     | #2H                     | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | ST1                     | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | ST1                     | <b>Database:</b>                    | Houston R5000 Database       |

| Survey                                                     |                 |             |                       |              |              |                         |                         |                        |                       |
|------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                      | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 7,192.0                                                    | 0.90            | 278.10      | 7,191.6               | -13.0        | -3.6         | 12.8                    | 0.03                    | 0.00                   | -1.87                 |
| 7,382.0                                                    | 0.50            | 327.30      | 7,381.6               | -12.1        | -5.6         | 11.9                    | 0.36                    | -0.21                  | 25.89                 |
| 7,571.0                                                    | 0.50            | 214.30      | 7,570.6               | -12.0        | -6.5         | 11.8                    | 0.44                    | 0.00                   | -59.79                |
| 7,761.0                                                    | 0.70            | 315.20      | 7,760.6               | -11.9        | -7.8         | 11.7                    | 0.49                    | 0.11                   | 53.11                 |
| 7,950.0                                                    | 0.90            | 287.30      | 7,949.6               | -10.6        | -10.0        | 10.3                    | 0.23                    | 0.11                   | -14.76                |
| 8,139.0                                                    | 0.60            | 28.50       | 8,138.6               | -9.3         | -10.9        | 9.0                     | 0.62                    | -0.16                  | 53.54                 |
| 8,329.0                                                    | 0.30            | 28.50       | 8,328.6               | -8.0         | -10.2        | 7.7                     | 0.16                    | -0.16                  | 0.00                  |
| 8,518.0                                                    | 0.40            | 105.40      | 8,517.6               | -7.8         | -9.4         | 7.5                     | 0.23                    | 0.05                   | 40.69                 |
| 8,707.0                                                    | 0.40            | 140.50      | 8,706.6               | -8.4         | -8.3         | 8.2                     | 0.13                    | 0.00                   | 18.57                 |
| 8,897.0                                                    | 0.70            | 257.30      | 8,896.6               | -9.2         | -9.0         | 8.9                     | 0.50                    | 0.16                   | 61.47                 |
| 9,087.0                                                    | 0.70            | 334.00      | 9,086.6               | -8.4         | -10.7        | 8.1                     | 0.46                    | 0.00                   | 40.37                 |
| 9,276.0                                                    | 0.80            | 337.00      | 9,275.5               | -6.2         | -11.7        | 5.8                     | 0.06                    | 0.05                   | 1.59                  |
| 9,465.0                                                    | 0.70            | 290.90      | 9,464.5               | -4.5         | -13.3        | 4.1                     | 0.31                    | -0.05                  | -24.39                |
| 9,622.0                                                    | 0.40            | 276.00      | 9,621.5               | -4.1         | -14.7        | 3.7                     | 0.21                    | -0.19                  | -9.49                 |
| 9,662.0                                                    | 1.70            | 310.30      | 9,661.5               | -3.7         | -15.3        | 3.3                     | 3.47                    | 3.25                   | 85.75                 |
| 9,757.0                                                    | 2.90            | 42.80       | 9,756.5               | -1.1         | -14.7        | 0.6                     | 3.60                    | 1.26                   | 97.37                 |
| 9,852.0                                                    | 2.50            | 33.80       | 9,851.4               | 2.4          | -12.0        | -2.8                    | 0.61                    | -0.42                  | -9.47                 |
| 9,946.0                                                    | 2.10            | 10.00       | 9,945.3               | 5.8          | -10.5        | -6.1                    | 1.09                    | -0.43                  | -25.32                |
| 10,039.0                                                   | 2.10            | 359.40      | 10,038.2              | 9.2          | -10.2        | -9.5                    | 0.42                    | 0.00                   | -11.40                |
| 10,134.0                                                   | 1.40            | 1.70        | 10,133.2              | 12.1         | -10.2        | -12.4                   | 0.74                    | -0.74                  | 2.42                  |
| 10,230.0                                                   | 0.90            | 6.30        | 10,229.2              | 14.0         | -10.1        | -14.3                   | 0.53                    | -0.52                  | 4.79                  |
| 10,324.0                                                   | 0.70            | 51.70       | 10,323.2              | 15.1         | -9.6         | -15.4                   | 0.69                    | -0.21                  | 48.30                 |
| 10,419.0                                                   | 0.40            | 92.70       | 10,418.1              | 15.5         | -8.8         | -15.7                   | 0.50                    | -0.32                  | 43.16                 |
| 10,514.0                                                   | 0.60            | 210.60      | 10,513.1              | 15.0         | -8.7         | -15.3                   | 0.91                    | 0.21                   | 124.11                |
| 10,608.0                                                   | 1.60            | 203.70      | 10,607.1              | 13.4         | -9.5         | -13.7                   | 1.07                    | 1.06                   | -7.34                 |
| 10,697.0                                                   | 5.20            | 186.50      | 10,696.0              | 8.2          | -10.4        | -8.6                    | 4.16                    | 4.04                   | -19.33                |
| KOP: 10697.0' MD, 10696.0' TVD                             |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,729.0                                                   | 9.10            | 182.10      | 10,727.7              | 4.3          | -10.7        | -4.6                    | 12.30                   | 12.19                  | -13.75                |
| 10,760.0                                                   | 12.30           | 181.20      | 10,758.2              | -1.5         | -10.9        | 1.1                     | 10.34                   | 10.32                  | -2.90                 |
| 10,792.0                                                   | 16.80           | 180.00      | 10,789.1              | -9.5         | -10.9        | 9.2                     | 14.09                   | 14.06                  | -3.75                 |
| 10,823.0                                                   | 20.40           | 178.70      | 10,818.5              | -19.4        | -10.8        | 19.1                    | 11.69                   | 11.61                  | -4.19                 |
| 10,854.0                                                   | 23.30           | 176.50      | 10,847.3              | -30.9        | -10.3        | 30.6                    | 9.72                    | 9.35                   | -7.10                 |
| 10,886.0                                                   | 26.30           | 175.10      | 10,876.3              | -44.3        | -9.3         | 44.0                    | 9.55                    | 9.38                   | -4.38                 |
| 10,917.0                                                   | 29.10           | 174.20      | 10,903.8              | -58.7        | -8.0         | 58.4                    | 9.13                    | 9.03                   | -2.90                 |
| 10,949.0                                                   | 32.30           | 175.20      | 10,931.3              | -74.9        | -6.5         | 74.7                    | 10.13                   | 10.00                  | 3.13                  |
| 10,981.0                                                   | 35.80           | 177.80      | 10,957.8              | -92.8        | -5.4         | 92.6                    | 11.84                   | 10.94                  | 8.13                  |
| 11,012.0                                                   | 39.00           | 179.70      | 10,982.4              | -111.6       | -5.0         | 111.4                   | 10.97                   | 10.32                  | 6.13                  |
| 11,041.0                                                   | 42.09           | 179.70      | 11,004.4              | -130.5       | -4.9         | 130.3                   | 10.65                   | 10.65                  | 0.00                  |
| Cross 330' Hardline at 11041.0' MD, 42.09° INC, 179.70° AZ |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,043.0                                                   | 42.30           | 179.70      | 11,005.9              | -131.8       | -4.9         | 131.6                   | 10.65                   | 10.65                  | 0.00                  |
| 11,075.0                                                   | 45.50           | 179.80      | 11,029.0              | -154.0       | -4.8         | 153.8                   | 10.00                   | 10.00                  | 0.31                  |
| 11,107.0                                                   | 48.50           | 179.00      | 11,050.8              | -177.4       | -4.5         | 177.2                   | 9.55                    | 9.38                   | -2.50                 |
| 11,139.0                                                   | 52.40           | 177.90      | 11,071.2              | -202.1       | -3.9         | 201.8                   | 12.47                   | 12.19                  | -3.44                 |
| 11,170.0                                                   | 56.70           | 177.30      | 11,089.2              | -227.3       | -2.8         | 227.1                   | 13.96                   | 13.87                  | -1.94                 |

# Survey Report

|                  |                         |                                     |                              |
|------------------|-------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Yates Petroleum         | <b>Local Co-ordinate Reference:</b> | Well #2H                     |
| <b>Project:</b>  | Lea County, NM (NAD-83) | <b>TVD Reference:</b>               | RKB @ 3607.0usft (Cactus124) |
| <b>Site:</b>     | Hearthrob BSX-State     | <b>MD Reference:</b>                | RKB @ 3607.0usft (Cactus124) |
| <b>Well:</b>     | #2H                     | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | ST1                     | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | ST1                     | <b>Database:</b>                    | Houston R5000 Database       |

| Survey                                                            |                 |             |                       |              |              |                         |                         |                        |                       |
|-------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                             | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,202.0                                                          | 61.40           | 176.50      | 11,105.6              | -254.7       | -1.3         | 254.5                   | 14.84                   | 14.69                  | -2.50                 |
| 11,233.0                                                          | 65.70           | 175.40      | 11,119.4              | -282.4       | 0.6          | 282.2                   | 14.23                   | 13.87                  | -3.55                 |
| 11,265.0                                                          | 69.80           | 176.10      | 11,131.5              | -311.9       | 2.8          | 311.8                   | 12.97                   | 12.81                  | 2.19                  |
| 11,296.0                                                          | 71.90           | 177.30      | 11,141.7              | -341.1       | 4.5          | 341.1                   | 7.70                    | 6.77                   | 3.87                  |
| 11,328.0                                                          | 74.70           | 179.10      | 11,150.9              | -371.8       | 5.5          | 371.7                   | 10.28                   | 8.75                   | 5.63                  |
| 11,360.0                                                          | 78.00           | 179.40      | 11,158.4              | -402.8       | 5.9          | 402.8                   | 10.35                   | 10.31                  | 0.94                  |
| 11,391.0                                                          | 82.50           | 179.60      | 11,163.7              | -433.4       | 6.2          | 433.4                   | 14.53                   | 14.52                  | 0.65                  |
| 11,422.0                                                          | 87.50           | 179.90      | 11,166.4              | -464.3       | 6.3          | 464.2                   | 16.16                   | 16.13                  | 0.97                  |
| 11,485.0                                                          | 92.90           | 178.20      | 11,166.2              | -527.2       | 7.3          | 527.2                   | 8.99                    | 8.57                   | -2.70                 |
| 11,517.0                                                          | 93.40           | 177.80      | 11,164.4              | -559.2       | 8.4          | 559.1                   | 2.00                    | 1.56                   | -1.25                 |
| 11,612.0                                                          | 89.80           | 178.60      | 11,161.8              | -654.1       | 11.4         | 654.1                   | 3.88                    | -3.79                  | 0.84                  |
| 11,621.0                                                          | 89.81           | 178.61      | 11,161.8              | -663.1       | 11.6         | 663.1                   | 0.15                    | 0.11                   | 0.11                  |
| EOC: 11621.0° MD, 11161.8° TVD, 89.81° INC, 178.61° AZ, 663.1° VS |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,707.0                                                          | 89.90           | 178.70      | 11,162.0              | -749.0       | 13.7         | 749.1                   | 0.15                    | 0.11                   | 0.11                  |
| 11,802.0                                                          | 90.20           | 178.70      | 11,161.9              | -844.0       | 15.8         | 844.1                   | 0.32                    | 0.32                   | 0.00                  |
| 11,896.0                                                          | 90.10           | 178.10      | 11,161.7              | -938.0       | 18.4         | 938.1                   | 0.65                    | -0.11                  | -0.64                 |
| 11,991.0                                                          | 89.90           | 178.30      | 11,161.7              | -1,032.9     | 21.4         | 1,033.1                 | 0.30                    | -0.21                  | 0.21                  |
| 12,086.0                                                          | 90.70           | 178.60      | 11,161.2              | -1,127.9     | 24.0         | 1,128.1                 | 0.90                    | 0.84                   | 0.32                  |
| 12,181.0                                                          | 89.40           | 177.80      | 11,161.1              | -1,222.8     | 27.0         | 1,223.1                 | 1.61                    | -1.37                  | -0.84                 |
| 12,275.0                                                          | 90.10           | 177.70      | 11,161.5              | -1,316.8     | 30.7         | 1,317.1                 | 0.75                    | 0.74                   | -0.11                 |
| 12,370.0                                                          | 90.50           | 177.60      | 11,161.0              | -1,411.7     | 34.6         | 1,412.1                 | 0.43                    | 0.42                   | -0.11                 |
| 12,465.0                                                          | 89.90           | 177.60      | 11,160.7              | -1,506.6     | 38.5         | 1,507.1                 | 0.63                    | -0.63                  | 0.00                  |
| 12,559.0                                                          | 89.60           | 177.30      | 11,161.1              | -1,600.5     | 42.7         | 1,601.1                 | 0.45                    | -0.32                  | -0.32                 |
| 12,655.0                                                          | 89.60           | 177.30      | 11,161.8              | -1,696.4     | 47.3         | 1,697.0                 | 0.00                    | 0.00                   | 0.00                  |
| 12,753.0                                                          | 89.90           | 177.40      | 11,162.2              | -1,794.3     | 51.8         | 1,795.0                 | 0.32                    | 0.31                   | 0.10                  |
| 12,848.0                                                          | 89.20           | 177.30      | 11,162.9              | -1,889.2     | 56.2         | 1,890.0                 | 0.74                    | -0.74                  | -0.11                 |
| 12,942.0                                                          | 89.90           | 178.50      | 11,163.7              | -1,983.1     | 59.6         | 1,984.0                 | 1.48                    | 0.74                   | 1.28                  |
| 13,037.0                                                          | 90.20           | 178.60      | 11,163.6              | -2,078.1     | 62.0         | 2,079.0                 | 0.33                    | 0.32                   | 0.11                  |
| 13,131.0                                                          | 90.00           | 178.60      | 11,163.4              | -2,172.0     | 64.3         | 2,173.0                 | 0.21                    | -0.21                  | 0.00                  |
| 13,226.0                                                          | 90.90           | 179.20      | 11,162.7              | -2,267.0     | 66.1         | 2,268.0                 | 1.14                    | 0.95                   | 0.63                  |
| 13,320.0                                                          | 90.20           | 179.60      | 11,161.8              | -2,361.0     | 67.1         | 2,362.0                 | 0.86                    | -0.74                  | 0.43                  |
| 13,415.0                                                          | 90.10           | 179.10      | 11,161.5              | -2,456.0     | 68.2         | 2,456.9                 | 0.54                    | -0.11                  | -0.53                 |
| 13,510.0                                                          | 90.00           | 178.00      | 11,161.4              | -2,551.0     | 70.6         | 2,551.9                 | 1.16                    | -0.11                  | -1.16                 |
| 13,604.0                                                          | 91.00           | 178.20      | 11,160.6              | -2,644.9     | 73.7         | 2,645.9                 | 1.08                    | 1.06                   | 0.21                  |
| 13,699.0                                                          | 92.50           | 178.80      | 11,157.7              | -2,739.8     | 76.2         | 2,740.9                 | 1.70                    | 1.58                   | 0.63                  |
| 13,793.0                                                          | 91.50           | 179.80      | 11,154.4              | -2,833.8     | 77.4         | 2,834.8                 | 1.50                    | -1.06                  | 1.06                  |
| 13,888.0                                                          | 90.90           | 180.30      | 11,152.5              | -2,928.8     | 77.3         | 2,929.7                 | 0.82                    | -0.63                  | 0.53                  |
| 13,983.0                                                          | 89.30           | 178.80      | 11,152.3              | -3,023.7     | 78.0         | 3,024.7                 | 2.31                    | -1.68                  | -1.58                 |
| 14,078.0                                                          | 90.50           | 178.00      | 11,152.5              | -3,118.7     | 80.7         | 3,119.7                 | 1.52                    | 1.26                   | -0.84                 |
| 14,172.0                                                          | 90.30           | 178.10      | 11,151.8              | -3,212.6     | 83.9         | 3,213.7                 | 0.24                    | -0.21                  | 0.11                  |
| 14,267.0                                                          | 90.40           | 177.20      | 11,151.2              | -3,307.6     | 87.8         | 3,308.7                 | 0.95                    | 0.11                   | -0.95                 |
| 14,362.0                                                          | 92.10           | 177.30      | 11,149.1              | -3,402.4     | 92.3         | 3,403.7                 | 1.79                    | 1.79                   | 0.11                  |
| 14,457.0                                                          | 91.40           | 177.30      | 11,146.2              | -3,497.3     | 96.8         | 3,498.6                 | 0.74                    | -0.74                  | 0.00                  |

# Survey Report

|                  |                         |                                     |                              |
|------------------|-------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | Yates Petroleum         | <b>Local Co-ordinate Reference:</b> | Well #2H                     |
| <b>Project:</b>  | Lea County, NM (NAD-83) | <b>TVD Reference:</b>               | RKB @ 3607.0usft (Cactus124) |
| <b>Site:</b>     | Hearthrob BSX State     | <b>MD Reference:</b>                | RKB @ 3607.0usft (Cactus124) |
| <b>Well:</b>     | #2H                     | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | ST1                     | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | ST1                     | <b>Database:</b>                    | Houston R5000 Database       |

| Survey                                                                                           |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                                                            | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 14,551.0                                                                                         | 90.50           | 176.90      | 11,144.7              | -3,591.1     | 101.6        | 3,592.6                 | 1.05                    | -0.96                  | -0.43                 |
| 14,646.0                                                                                         | 90.40           | 177.20      | 11,143.9              | -3,686.0     | 106.4        | 3,687.5                 | 0.33                    | -0.11                  | 0.32                  |
| 14,741.0                                                                                         | 90.90           | 177.10      | 11,142.9              | -3,780.9     | 111.2        | 3,782.5                 | 0.54                    | 0.53                   | -0.11                 |
| 14,836.0                                                                                         | 90.20           | 177.30      | 11,141.9              | -3,875.8     | 115.8        | 3,877.5                 | 0.77                    | -0.74                  | 0.21                  |
| 14,930.0                                                                                         | 90.20           | 176.50      | 11,141.6              | -3,969.6     | 120.9        | 3,971.5                 | 0.85                    | 0.00                   | -0.85                 |
| 15,025.0                                                                                         | 89.90           | 177.00      | 11,141.5              | -4,064.5     | 126.3        | 4,066.4                 | 0.61                    | -0.32                  | 0.53                  |
| 15,120.0                                                                                         | 89.10           | 177.30      | 11,142.4              | -4,159.4     | 131.0        | 4,161.4                 | 0.90                    | -0.84                  | 0.32                  |
| 15,215.0                                                                                         | 89.40           | 177.60      | 11,143.6              | -4,254.3     | 135.2        | 4,256.4                 | 0.45                    | 0.32                   | 0.32                  |
| 15,310.0                                                                                         | 90.90           | 177.50      | 11,143.4              | -4,349.2     | 139.3        | 4,351.4                 | 1.58                    | 1.58                   | -0.11                 |
| 15,405.0                                                                                         | 90.60           | 177.40      | 11,142.1              | -4,444.1     | 143.5        | 4,446.4                 | 0.33                    | -0.32                  | -0.11                 |
| 15,499.0                                                                                         | 89.30           | 177.40      | 11,142.2              | -4,538.0     | 147.8        | 4,540.4                 | 1.38                    | -1.38                  | 0.00                  |
| 15,594.0                                                                                         | 90.00           | 178.70      | 11,142.8              | -4,632.9     | 151.0        | 4,635.4                 | 1.55                    | 0.74                   | 1.37                  |
| 15,689.0                                                                                         | 90.90           | 179.90      | 11,142.0              | -4,727.9     | 152.2        | 4,730.3                 | 1.58                    | 0.95                   | 1.26                  |
| 15,724.0                                                                                         | 90.81           | 180.04      | 11,141.5              | -4,762.9     | 152.2        | 4,765.3                 | 0.47                    | -0.26                  | 0.39                  |
| Cross 330' Hardline at 15724.0' MD, 90.81° INC, 180.04° AZ                                       |                 |             |                       |              |              |                         |                         |                        |                       |
| 15,766.0                                                                                         | 90.70           | 180.20      | 11,141.0              | -4,804.9     | 152.1        | 4,807.3                 | 0.47                    | -0.26                  | 0.39                  |
| 15,824.0                                                                                         | 90.70           | 180.20      | 11,140.3              | -4,862.9     | 151.9        | 4,865.3                 | 0.00                    | 0.00                   | 0.00                  |
| BHL: 15824.0' MD, 11140.3' TVD, 90.70° INC, 180.20° AZ, -4862.9' +N/-S, 151.9' +E/-W, 4865.3' VS |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Annotations    |                       |                   |              |                                                                                                  |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------------------------------------------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                                                                          |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                                                                                  |
| 10,697.0              | 10,696.0              | 8.2               | -10.4        | KOP: 10697.0' MD, 10696.0' TVD                                                                   |
| 11,041.0              | 11,004.4              | -130.5            | -4.9         | Cross 330' Hardline at 11041.0' MD, 42.09° INC, 179.70° AZ                                       |
| 11,621.0              | 11,161.8              | -663.1            | 11.6         | EOC: 11621.0' MD, 11161.8' TVD, 89.81° INC, 178.61° AZ, 663.1' VS                                |
| 15,724.0              | 11,141.5              | -4,762.9          | 152.2        | Cross 330' Hardline at 15724.0' MD, 90.81° INC, 180.04° AZ                                       |
| 15,824.0              | 11,140.3              | -4,862.9          | 151.9        | BHL: 15824.0' MD, 11140.3' TVD, 90.70° INC, 180.20° AZ, -4862.9' +N/-S, 151.9' +E/-W, 4865.3' VS |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



Yates Petroleum  
Project: Lea County, NM (NAD-83)  
Site: Heartthrob BSX State  
Well: #2H  
Wellbore: ST1  
Plan: ST Plan #5 (#2H/ST1)

# WELL DETAILS: #2H

Ground Elevation:: 3582.0  
RKB Elevation: RKB @ 3607.0usft (Cactus124)  
Rig Name: Cactus124

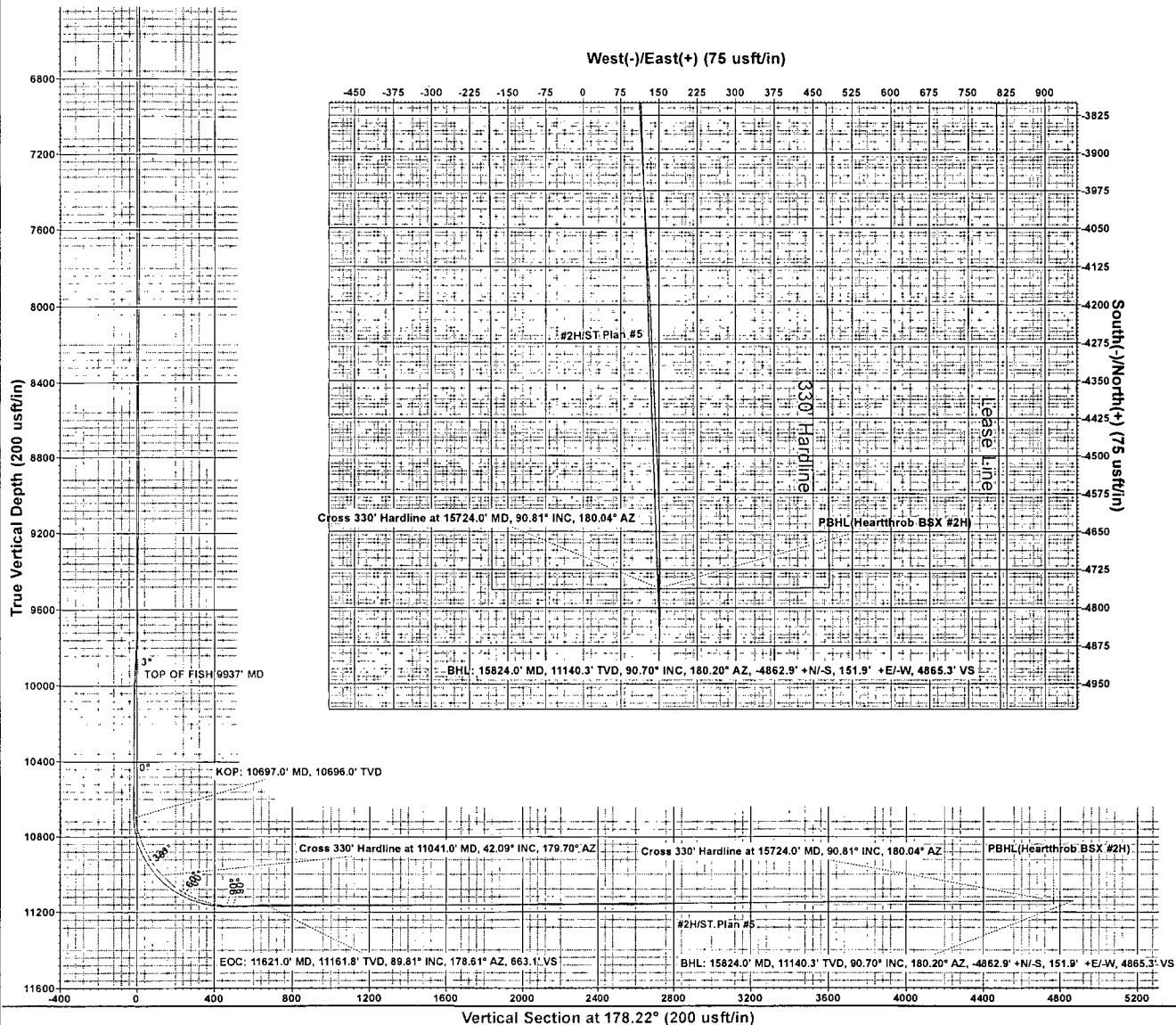
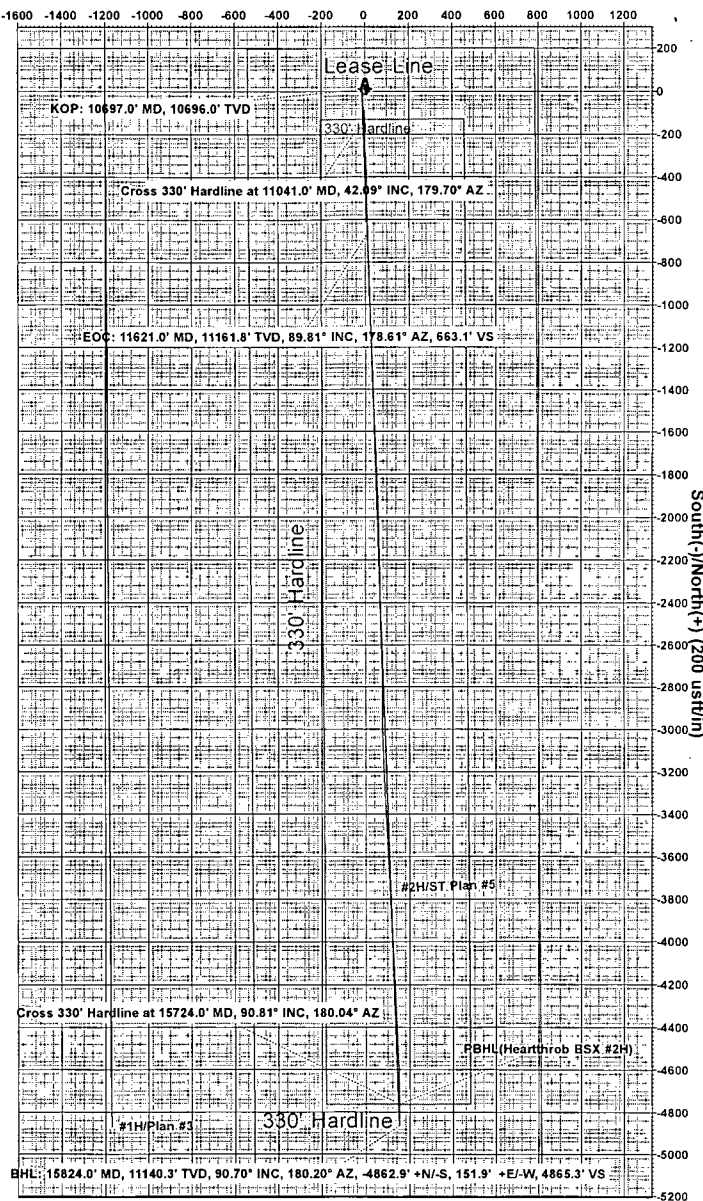
Surface Hole Location  
Northing 446154.41 Easting 769083.10 Latitude 32° 13' 27.873 N Longitude 103° 35' 48.664 W



Azimuths to Grid North  
True North: -0.39°  
Magnetic North: 6.87°

Magnetic Field  
Strength: 48340.1snT  
Dip Angle: 60.11°  
Date: 3/6/2014  
Model: IGRF2010

## West(-)/East(+) (200 usft/in)



PROJECT DETAILS: Lea County, NM (NAD-83)  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level  
Local North: Grid



Crescent Directional Drilling  
7715 West Industrial Ave. Midland, Tx 79706  
Phone: 432-618-1135

Plan: ST Plan #5 (#2H/ST1)  
Created By: Adrian Castro Date: 7:52, March 19 2014