

# Condor Energy

Well Name: **Wickstrom 17-4H**

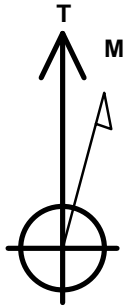
Surface Location: Wickstrom 17-1H Pad Sec.17-T6N-R60W  
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4671.6

| +N/-S                                     | +E/-W | Northing   | Easting    | Latitude  | Longitude   | Slot |
|---|-------|------------|------------|-----------|-------------|------|
| 0.0                                       | 0.0   | 1421355.02 | 3383433.69 | 40.481840 | -104.121550 |      |
| RKB - 12.5' WELL @ 4684.1ft (RKB - 12.5') |       |            |            |           |             |      |

## WELLBORE TARGET DETAILS

| Name                                  | TVD    | +N/-S   | +E/-W   | Shape   |
|---------------------------------------|--------|---------|---------|---------|
| SHL 250'FSL & 1739'FWL, Sec.17        | 1.0    | 0.0     | 0.0     | Point   |
| HARDLINE 600' BHL                     | 1.2    | -4909.1 | 600.0   | Polygon |
| HARDLINE 600' SHL                     | 1.2    | -850.8  | 600.0   | Polygon |
| SECTION LINE                          | 1.3    | -251.7  | 600.0   | Polygon |
| BHL 660'FSL & 672'FWL, Sec.20         | 6030.0 | -4838.1 | -1060.1 | Point   |
| Landing Pt. 660'FNL & 737'FWL, Sec.20 | 6030.0 | -903.5  | -998.7  | Point   |



Azimuths to True North  
Magnetic North: 8.24°

Magnetic Field  
Strength: 53020.1snT  
Dip Angle: 67.15°  
Date: 7/23/2013  
Model: IGRF2010

Wickstrom 17-1H Pad Sec.17-T6N-R60W  
Wickstrom 17-4H  
Plan #1 (7-23-13)  
9:37, July 24 2013

## ANNOTATIONS

| TVD    | MD     | Annotation   |
|--------|--------|--------------|
| 1200.0 | 1200.0 | KOP #1       |
| 5313.8 | 5446.9 | KOP #2       |
| 6030.0 | 6573.9 | End of Build |

**SHL 250'FSL & 1739'FWL, Sec.17**

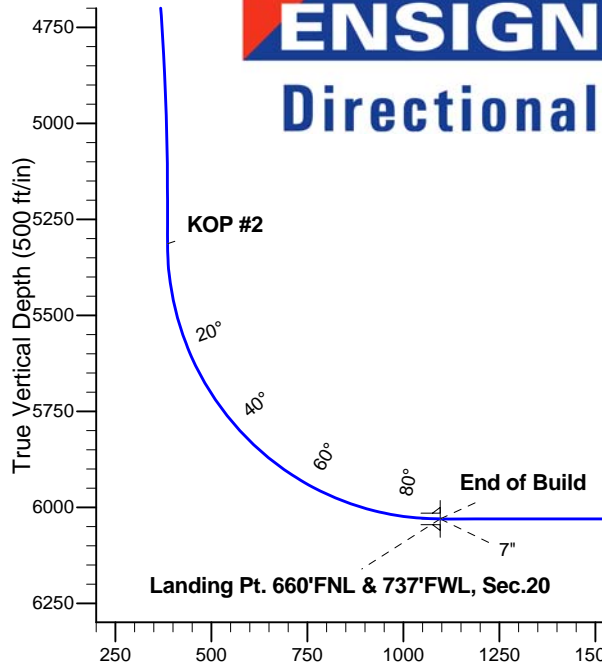
South(-)/North(+) (1600 ft/in)

Landing Pt. 660'FNL & 737'FWL, Sec.20

**Casing Pt. 660'FNL  
& 737'FWL, Sec.20**

**BHL 660'FSL & 672'FWL, Sec.20**

West(-)/East(+) (1600 ft/in)



**ENSIGN**  
**Directional**

## SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD    | +N/-S   | +E/-W   | DLeg | TFace  | VSec   | Target                                |
|-----|---------|-------|--------|--------|---------|---------|------|--------|--------|---------------------------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0    | 0.0     | 0.0     | 0.00 | 0.00   | 0.0    |                                       |
| 2   | 1200.0  | 0.00  | 0.00   | 1200.0 | 0.0     | 0.0     | 0.00 | 0.00   | 0.0    |                                       |
| 3   | 2058.0  | 17.16 | 258.86 | 2045.3 | -24.6   | -125.1  | 2.00 | 258.86 | 50.8   |                                       |
| 4   | 4475.1  | 17.16 | 258.86 | 4354.7 | -162.4  | -824.9  | 0.00 | 0.00   | 335.2  |                                       |
| 5   | 5333.1  | 0.00  | 0.00   | 5200.0 | -187.0  | -950.0  | 2.00 | 180.00 | 386.0  |                                       |
| 6   | 5446.9  | 0.00  | 0.00   | 5313.8 | -187.0  | -950.0  | 0.00 | 0.00   | 386.0  |                                       |
| 7   | 6571.9  | 90.00 | 183.89 | 6030.0 | -901.5  | -998.6  | 8.00 | 183.89 | 1094.4 |                                       |
| 8   | 6573.9  | 90.00 | 183.89 | 6030.0 | -903.5  | -998.7  | 0.00 | 0.00   | 1096.3 | Landing Pt. 660'FNL & 737'FWL, Sec.20 |
| 9   | 6726.7  | 90.00 | 180.83 | 6030.0 | -1056.1 | -1005.0 | 2.00 | -90.00 | 1246.7 |                                       |
| 10  | 10509.0 | 90.00 | 180.83 | 6030.0 | -4838.1 | -1060.1 | 0.00 | 0.00   | 4952.9 | BHL 660'FSL & 672'FWL, Sec.20         |

**BHL 660'FSL & 672'FWL, Sec.20**

Vertical Section at 192.36° (500 ft/in)



## **Condor Energy**

**SEC.17-T6N-R60W**

**Wickstrom 17-1H Pad Sec.17-T6N-R60W**

**Wickstrom 17-4H**

**Wellbore #1**

**Plan: Plan #1 (7-23-13)**

## **Standard Planning Report**

**24 July, 2013**

|                  |                                     |                                     |                               |
|------------------|-------------------------------------|-------------------------------------|-------------------------------|
| <b>Database:</b> | Landmark                            | <b>Local Co-ordinate Reference:</b> | Well Wickstrom 17-4H          |
| <b>Company:</b>  | Condor Energy                       | <b>TVD Reference:</b>               | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Project:</b>  | SEC.17-T6N-R60W                     | <b>MD Reference:</b>                | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Site:</b>     | Wickstrom 17-1H Pad Sec.17-T6N-R60W | <b>North Reference:</b>             | True                          |
| <b>Well:</b>     | Wickstrom 17-4H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Wellbore:</b> | Wellbore #1                         |                                     |                               |
| <b>Design:</b>   | Plan #1 (7-23-13)                   |                                     |                               |

|                    |                                    |                      |                             |
|--------------------|------------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | SEC.17-T6N-R60W, Morgan County, CO |                      |                             |
| <b>Map System:</b> | US State Plane 1983                | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983          |                      | Using Well Reference Point  |
| <b>Map Zone:</b>   | Colorado Northern Zone             |                      | Using geodetic scale factor |

|                       |          |                                     |                 |                   |             |
|-----------------------|----------|-------------------------------------|-----------------|-------------------|-------------|
| Site                  |          | Wickstrom 17-1H Pad Sec.17-T6N-R60W |                 |                   |             |
| Site Position:        |          | Northing:                           | 1,421,413.31 ft | Latitude:         | 40.482000   |
| From:                 | Lat/Long | Easting:                            | 3,383,432.79 ft | Longitude:        | -104.121550 |
| Position Uncertainty: | 0.0 ft   | Slot Radius:                        | "               | Grid Convergence: | 0.89 °      |

|                      |                 |          |                     |                 |               |             |
|----------------------|-----------------|----------|---------------------|-----------------|---------------|-------------|
| Well                 | Wickstrom 17-4H |          |                     |                 |               |             |
| Well Position        | +N/-S           | -58.3 ft | Northing:           | 1,421,355.02 ft | Latitude:     | 40.481840   |
|                      | +E/-W           | 0.0 ft   | Easting:            | 3,383,433.69 ft | Longitude:    | -104.121550 |
| Position Uncertainty |                 | 0.0 ft   | Wellhead Elevation: | ft              | Ground Level: | 4,671.6 ft  |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 7/23/2013          | 8.24                   | 67.15                | 53,020                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1 (7-23-13)            |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                          | 0.0               | 0.0                  | 192.36               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                    |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target             |
| 0.0                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 1,200.0              | 0.00            | 0.00        | 1,200.0             | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 2,058.0              | 17.16           | 258.86      | 2,045.3             | -24.6      | -125.1     | 2.00                  | 2.00                 | 0.00                | 258.86  |                    |
| 4,475.1              | 17.16           | 258.86      | 4,354.7             | -162.4     | -824.9     | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 5,333.1              | 0.00            | 0.00        | 5,200.0             | -187.0     | -950.0     | 2.00                  | -2.00                | 0.00                | 180.00  |                    |
| 5,446.9              | 0.00            | 0.00        | 5,313.8             | -187.0     | -950.0     | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 6,571.9              | 90.00           | 183.89      | 6,030.0             | -901.5     | -998.6     | 8.00                  | 8.00                 | 0.00                | 183.89  |                    |
| 6,573.9              | 90.00           | 183.89      | 6,030.0             | -903.5     | -998.7     | 0.00                  | 0.00                 | 0.00                | 0.00    | Landing Pt. 660'FN |
| 6,726.7              | 90.00           | 180.83      | 6,030.0             | -1,056.1   | -1,005.0   | 2.00                  | 0.00                 | -2.00               | -90.00  |                    |
| 10,509.0             | 90.00           | 180.83      | 6,030.0             | -4,838.1   | -1,060.1   | 0.00                  | 0.00                 | 0.00                | 0.00    | BHL 660'FSL & 672  |

|                  |                                     |                                     |                               |
|------------------|-------------------------------------|-------------------------------------|-------------------------------|
| <b>Database:</b> | Landmark                            | <b>Local Co-ordinate Reference:</b> | Well Wickstrom 17-4H          |
| <b>Company:</b>  | Condor Energy                       | <b>TVD Reference:</b>               | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Project:</b>  | SEC.17-T6N-R60W                     | <b>MD Reference:</b>                | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Site:</b>     | Wickstrom 17-1H Pad Sec.17-T6N-R60W | <b>North Reference:</b>             | True                          |
| <b>Well:</b>     | Wickstrom 17-4H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Wellbore:</b> | Wellbore #1                         |                                     |                               |
| <b>Design:</b>   | Plan #1 (7-23-13)                   |                                     |                               |

| Planned Survey                               |                 |             |                     |            |            |                       |                       |                      |                     |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                          | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1.0  | 0.00            | 0.00        | 1.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| <b>SHL 250'FSL &amp; 1739'FWL, Sec.17</b>    |                 |             |                     |            |            |                       |                       |                      |                     |
| 1.2  | 0.00            | 0.00        | 1.2                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| <b>HARDLINE 600' BHL - HARDLINE 600' SHL</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 1.3  | 0.00            | 0.00        | 1.3                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| <b>SECTION LINE</b>                          |                 |             |                     |            |            |                       |                       |                      |                     |
| 100.0  | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 200.0  | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 300.0  | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 400.0  | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 500.0  | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 600.0  | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 700.0  | 0.00            | 0.00        | 700.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 800.0  | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 900.0  | 0.00            | 0.00        | 900.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,000.0                                      | 0.00            | 0.00        | 1,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,100.0                                      | 0.00            | 0.00        | 1,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,200.0                                      | 0.00            | 0.00        | 1,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| <b>KOP #1</b>                                |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,300.0                                      | 2.00            | 258.86      | 1,300.0             | -0.3       | -1.7       | 0.7                   | 2.00                  | 2.00                 | 0.00                |
| 1,400.0                                      | 4.00            | 258.86      | 1,399.8             | -1.3       | -6.8       | 2.8                   | 2.00                  | 2.00                 | 0.00                |
| 1,500.0                                      | 6.00            | 258.86      | 1,499.5             | -3.0       | -15.4      | 6.3                   | 2.00                  | 2.00                 | 0.00                |
| 1,600.0                                      | 8.00            | 258.86      | 1,598.7             | -5.4       | -27.4      | 11.1                  | 2.00                  | 2.00                 | 0.00                |
| 1,700.0                                      | 10.00           | 258.86      | 1,697.5             | -8.4       | -42.7      | 17.4                  | 2.00                  | 2.00                 | 0.00                |
| 1,800.0                                      | 12.00           | 258.86      | 1,795.6             | -12.1      | -61.4      | 25.0                  | 2.00                  | 2.00                 | 0.00                |
| 1,900.0                                      | 14.00           | 258.86      | 1,893.1             | -16.4      | -83.5      | 33.9                  | 2.00                  | 2.00                 | 0.00                |
| 2,000.0                                      | 16.00           | 258.86      | 1,989.6             | -21.4      | -108.9     | 44.2                  | 2.00                  | 2.00                 | 0.00                |
| 2,058.0                                      | 17.16           | 258.86      | 2,045.3             | -24.6      | -125.1     | 50.8                  | 2.00                  | 2.00                 | 0.00                |
| 2,100.0                                      | 17.16           | 258.86      | 2,085.4             | -27.0      | -137.3     | 55.8                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.0                                      | 17.16           | 258.86      | 2,180.9             | -32.7      | -166.2     | 67.5                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.0                                      | 17.16           | 258.86      | 2,276.5             | -38.4      | -195.2     | 79.3                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.0                                      | 17.16           | 258.86      | 2,372.0             | -44.1      | -224.1     | 91.1                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.0                                      | 17.16           | 258.86      | 2,467.6             | -49.8      | -253.1     | 102.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,600.0                                      | 17.16           | 258.86      | 2,563.1             | -55.5      | -282.0     | 114.6                 | 0.00                  | 0.00                 | 0.00                |
| 2,700.0                                      | 17.16           | 258.86      | 2,658.7             | -61.2      | -311.0     | 126.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,800.0                                      | 17.16           | 258.86      | 2,754.2             | -66.9      | -339.9     | 138.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,900.0                                      | 17.16           | 258.86      | 2,849.7             | -72.6      | -368.9     | 149.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,000.0                                      | 17.16           | 258.86      | 2,945.3             | -78.3      | -397.8     | 161.6                 | 0.00                  | 0.00                 | 0.00                |
| 3,100.0                                      | 17.16           | 258.86      | 3,040.8             | -84.0      | -426.8     | 173.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,200.0                                      | 17.16           | 258.86      | 3,136.4             | -89.7      | -455.7     | 185.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,300.0                                      | 17.16           | 258.86      | 3,231.9             | -95.4      | -484.7     | 196.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,400.0                                      | 17.16           | 258.86      | 3,327.5             | -101.1     | -513.6     | 208.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,500.0                                      | 17.16           | 258.86      | 3,423.0             | -106.8     | -542.6     | 220.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,600.0                                      | 17.16           | 258.86      | 3,518.6             | -112.5     | -571.5     | 232.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,700.0                                      | 17.16           | 258.86      | 3,614.1             | -118.2     | -600.5     | 244.0                 | 0.00                  | 0.00                 | 0.00                |
| 3,800.0                                      | 17.16           | 258.86      | 3,709.7             | -123.9     | -629.4     | 255.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,900.0                                      | 17.16           | 258.86      | 3,805.2             | -129.6     | -658.4     | 267.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,000.0                                      | 17.16           | 258.86      | 3,900.8             | -135.3     | -687.3     | 279.3                 | 0.00                  | 0.00                 | 0.00                |
| 4,100.0                                      | 17.16           | 258.86      | 3,996.3             | -141.0     | -716.3     | 291.0                 | 0.00                  | 0.00                 | 0.00                |
| 4,200.0                                      | 17.16           | 258.86      | 4,091.9             | -146.7     | -745.2     | 302.8                 | 0.00                  | 0.00                 | 0.00                |
| 4,300.0                                      | 17.16           | 258.86      | 4,187.4             | -152.4     | -774.2     | 314.6                 | 0.00                  | 0.00                 | 0.00                |
| 4,400.0                                      | 17.16           | 258.86      | 4,283.0             | -158.1     | -803.1     | 326.3                 | 0.00                  | 0.00                 | 0.00                |
| 4,475.1                                      | 17.16           | 258.86      | 4,354.7             | -162.4     | -824.9     | 335.2                 | 0.00                  | 0.00                 | 0.00                |

|                  |                                     |                                     |                               |
|------------------|-------------------------------------|-------------------------------------|-------------------------------|
| <b>Database:</b> | Landmark                            | <b>Local Co-ordinate Reference:</b> | Well Wickstrom 17-4H          |
| <b>Company:</b>  | Condor Energy                       | <b>TVD Reference:</b>               | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Project:</b>  | SEC.17-T6N-R60W                     | <b>MD Reference:</b>                | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Site:</b>     | Wickstrom 17-1H Pad Sec.17-T6N-R60W | <b>North Reference:</b>             | True                          |
| <b>Well:</b>     | Wickstrom 17-4H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Wellbore:</b> | Wellbore #1                         |                                     |                               |
| <b>Design:</b>   | Plan #1 (7-23-13)                   |                                     |                               |

| Planned Survey   |                 |             |                     |            |            |                       |                       |                      |                     |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,500.0  | 16.66           | 258.86      | 4,378.5             | -163.8     | -832.0     | 338.0                 | 2.00                  | -2.00                | 0.00                |
| 4,600.0  | 14.66           | 258.86      | 4,474.8             | -169.0     | -858.5     | 348.8                 | 2.00                  | -2.00                | 0.00                |
| 4,700.0  | 12.66           | 258.86      | 4,572.0             | -173.5     | -881.6     | 358.2                 | 2.00                  | -2.00                | 0.00                |
| 4,800.0  | 10.66           | 258.86      | 4,669.9             | -177.4     | -901.5     | 366.3                 | 2.00                  | -2.00                | 0.00                |
| 4,900.0  | 8.66            | 258.86      | 4,768.5             | -180.7     | -917.9     | 373.0                 | 2.00                  | -2.00                | 0.00                |
| 5,000.0  | 6.66            | 258.86      | 4,867.6             | -183.3     | -931.0     | 378.3                 | 2.00                  | -2.00                | 0.00                |
| 5,100.0  | 4.66            | 258.86      | 4,967.1             | -185.2     | -940.7     | 382.2                 | 2.00                  | -2.00                | 0.00                |
| 5,200.0  | 2.66            | 258.86      | 5,066.9             | -186.4     | -947.0     | 384.8                 | 2.00                  | -2.00                | 0.00                |
| 5,300.0  | 0.66            | 258.86      | 5,166.9             | -187.0     | -949.8     | 385.9                 | 2.00                  | -2.00                | 0.00                |
| 5,333.1  | 0.00            | 0.00        | 5,200.0             | -187.0     | -950.0     | 386.0                 | 2.00                  | -2.00                | 0.00                |
| 5,400.0  | 0.00            | 0.00        | 5,266.9             | -187.0     | -950.0     | 386.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,446.9  | 0.00            | 0.00        | 5,313.8             | -187.0     | -950.0     | 386.0                 | 0.00                  | 0.00                 | 0.00                |
| <b>KOP #2</b>  |                 |             |                     |            |            |                       |                       |                      |                     |
| 5,500.0  | 4.24            | 183.89      | 5,366.8             | -189.0     | -950.1     | 387.9                 | 7.99                  | 7.99                 | 0.00                |
| 5,600.0  | 12.24           | 183.89      | 5,465.7             | -203.3     | -951.1     | 402.1                 | 8.00                  | 8.00                 | 0.00                |
| 5,700.0  | 20.24           | 183.89      | 5,561.6             | -231.1     | -953.0     | 429.8                 | 8.00                  | 8.00                 | 0.00                |
| 5,800.0  | 28.24           | 183.89      | 5,652.7             | -272.1     | -955.8     | 470.3                 | 8.00                  | 8.00                 | 0.00                |
| 5,900.0  | 36.24           | 183.89      | 5,737.2             | -325.3     | -959.4     | 523.1                 | 8.00                  | 8.00                 | 0.00                |
| 6,000.0  | 44.24           | 183.89      | 5,813.5             | -389.7     | -963.8     | 586.9                 | 8.00                  | 8.00                 | 0.00                |
| 6,100.0  | 52.24           | 183.89      | 5,880.0             | -464.0     | -968.8     | 660.6                 | 8.00                  | 8.00                 | 0.00                |
| 6,200.0  | 60.24           | 183.89      | 5,935.6             | -546.9     | -974.5     | 742.8                 | 8.00                  | 8.00                 | 0.00                |
| 6,300.0  | 68.24           | 183.89      | 5,979.0             | -636.7     | -980.6     | 831.8                 | 8.00                  | 8.00                 | 0.00                |
| 6,400.0  | 76.24           | 183.89      | 6,009.5             | -731.6     | -987.0     | 925.9                 | 8.00                  | 8.00                 | 0.00                |
| 6,500.0  | 84.24           | 183.89      | 6,026.4             | -829.9     | -993.7     | 1,023.3               | 8.00                  | 8.00                 | 0.00                |
| 6,571.9  | 90.00           | 183.89      | 6,030.0             | -901.5     | -998.6     | 1,094.4               | 8.00                  | 8.00                 | 0.00                |
| 6,573.9  | 90.00           | 183.89      | 6,030.0             | -903.5     | -998.7     | 1,096.3               | 0.00                  | 0.00                 | 0.00                |
| <b>End of Build - 7" - Landing Pt. 660'FNL &amp; 737'FWL, Sec.20</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 6,600.0  | 90.00           | 183.37      | 6,030.0             | -929.5     | -1,000.4   | 1,122.1               | 2.00                  | 0.00                 | -2.00               |
| 6,700.0  | 90.00           | 181.37      | 6,030.0             | -1,029.5   | -1,004.5   | 1,220.6               | 2.00                  | 0.00                 | -2.00               |
| 6,726.7  | 90.00           | 180.83      | 6,030.0             | -1,056.1   | -1,005.0   | 1,246.7               | 2.00                  | 0.00                 | -2.00               |
| 6,800.0  | 90.00           | 180.83      | 6,030.0             | -1,129.4   | -1,006.1   | 1,318.6               | 0.00                  | 0.00                 | 0.00                |
| 6,900.0  | 90.00           | 180.83      | 6,030.0             | -1,229.4   | -1,007.5   | 1,416.6               | 0.00                  | 0.00                 | 0.00                |
| 7,000.0  | 90.00           | 180.83      | 6,030.0             | -1,329.4   | -1,009.0   | 1,514.6               | 0.00                  | 0.00                 | 0.00                |
| 7,100.0  | 90.00           | 180.83      | 6,030.0             | -1,429.4   | -1,010.5   | 1,612.6               | 0.00                  | 0.00                 | 0.00                |
| 7,200.0  | 90.00           | 180.83      | 6,030.0             | -1,529.4   | -1,011.9   | 1,710.5               | 0.00                  | 0.00                 | 0.00                |
| 7,300.0  | 90.00           | 180.83      | 6,030.0             | -1,629.4   | -1,013.4   | 1,808.5               | 0.00                  | 0.00                 | 0.00                |
| 7,400.0  | 90.00           | 180.83      | 6,030.0             | -1,729.4   | -1,014.8   | 1,906.5               | 0.00                  | 0.00                 | 0.00                |
| 7,500.0  | 90.00           | 180.83      | 6,030.0             | -1,829.4   | -1,016.3   | 2,004.5               | 0.00                  | 0.00                 | 0.00                |
| 7,600.0  | 90.00           | 180.83      | 6,030.0             | -1,929.4   | -1,017.7   | 2,102.5               | 0.00                  | 0.00                 | 0.00                |
| 7,700.0  | 90.00           | 180.83      | 6,030.0             | -2,029.3   | -1,019.2   | 2,200.5               | 0.00                  | 0.00                 | 0.00                |
| 7,800.0  | 90.00           | 180.83      | 6,030.0             | -2,129.3   | -1,020.6   | 2,298.4               | 0.00                  | 0.00                 | 0.00                |
| 7,900.0  | 90.00           | 180.83      | 6,030.0             | -2,229.3   | -1,022.1   | 2,396.4               | 0.00                  | 0.00                 | 0.00                |
| 8,000.0  | 90.00           | 180.83      | 6,030.0             | -2,329.3   | -1,023.6   | 2,494.4               | 0.00                  | 0.00                 | 0.00                |
| 8,100.0  | 90.00           | 180.83      | 6,030.0             | -2,429.3   | -1,025.0   | 2,592.4               | 0.00                  | 0.00                 | 0.00                |
| 8,200.0  | 90.00           | 180.83      | 6,030.0             | -2,529.3   | -1,026.5   | 2,690.4               | 0.00                  | 0.00                 | 0.00                |
| 8,300.0  | 90.00           | 180.83      | 6,030.0             | -2,629.3   | -1,027.9   | 2,788.4               | 0.00                  | 0.00                 | 0.00                |
| 8,400.0  | 90.00           | 180.83      | 6,030.0             | -2,729.3   | -1,029.4   | 2,886.3               | 0.00                  | 0.00                 | 0.00                |
| 8,500.0  | 90.00           | 180.83      | 6,030.0             | -2,829.3   | -1,030.8   | 2,984.3               | 0.00                  | 0.00                 | 0.00                |
| 8,600.0  | 90.00           | 180.83      | 6,030.0             | -2,929.2   | -1,032.3   | 3,082.3               | 0.00                  | 0.00                 | 0.00                |
| 8,700.0  | 90.00           | 180.83      | 6,030.0             | -3,029.2   | -1,033.7   | 3,180.3               | 0.00                  | 0.00                 | 0.00                |
| 8,800.0  | 90.00           | 180.83      | 6,030.0             | -3,129.2   | -1,035.2   | 3,278.3               | 0.00                  | 0.00                 | 0.00                |
| 8,900.0  | 90.00           | 180.83      | 6,030.0             | -3,229.2   | -1,036.7   | 3,376.3               | 0.00                  | 0.00                 | 0.00                |
| 9,000.0  | 90.00           | 180.83      | 6,030.0             | -3,329.2   | -1,038.1   | 3,474.2               | 0.00                  | 0.00                 | 0.00                |

|                  |                                     |                                     |                               |
|------------------|-------------------------------------|-------------------------------------|-------------------------------|
| <b>Database:</b> | Landmark                            | <b>Local Co-ordinate Reference:</b> | Well Wickstrom 17-4H          |
| <b>Company:</b>  | Condor Energy                       | <b>TVD Reference:</b>               | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Project:</b>  | SEC.17-T6N-R60W                     | <b>MD Reference:</b>                | WELL @ 4684.1ft (RKB - 12.5') |
| <b>Site:</b>     | Wickstrom 17-1H Pad Sec.17-T6N-R60W | <b>North Reference:</b>             | True                          |
| <b>Well:</b>     | Wickstrom 17-4H                     | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Wellbore:</b> | Wellbore #1                         |                                     |                               |
| <b>Design:</b>   | Plan #1 (7-23-13)                   |                                     |                               |

| Planned Survey                |                 |             |                     |            |            |                       |                       |                      |                     |  |
|-------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)           | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 9,100.0                       | 90.00           | 180.83      | 6,030.0             | -3,429.2   | -1,039.6   | 3,572.2               | 0.00                  | 0.00                 | 0.00                |  |
| 9,200.0                       | 90.00           | 180.83      | 6,030.0             | -3,529.2   | -1,041.0   | 3,670.2               | 0.00                  | 0.00                 | 0.00                |  |
| 9,300.0                       | 90.00           | 180.83      | 6,030.0             | -3,629.2   | -1,042.5   | 3,768.2               | 0.00                  | 0.00                 | 0.00                |  |
| 9,400.0                       | 90.00           | 180.83      | 6,030.0             | -3,729.2   | -1,043.9   | 3,866.2               | 0.00                  | 0.00                 | 0.00                |  |
| 9,500.0                       | 90.00           | 180.83      | 6,030.0             | -3,829.2   | -1,045.4   | 3,964.2               | 0.00                  | 0.00                 | 0.00                |  |
| 9,600.0                       | 90.00           | 180.83      | 6,030.0             | -3,929.1   | -1,046.9   | 4,062.2               | 0.00                  | 0.00                 | 0.00                |  |
| 9,700.0                       | 90.00           | 180.83      | 6,030.0             | -4,029.1   | -1,048.3   | 4,160.1               | 0.00                  | 0.00                 | 0.00                |  |
| 9,800.0                       | 90.00           | 180.83      | 6,030.0             | -4,129.1   | -1,049.8   | 4,258.1               | 0.00                  | 0.00                 | 0.00                |  |
| 9,900.0                       | 90.00           | 180.83      | 6,030.0             | -4,229.1   | -1,051.2   | 4,356.1               | 0.00                  | 0.00                 | 0.00                |  |
| 10,000.0                      | 90.00           | 180.83      | 6,030.0             | -4,329.1   | -1,052.7   | 4,454.1               | 0.00                  | 0.00                 | 0.00                |  |
| 10,100.0                      | 90.00           | 180.83      | 6,030.0             | -4,429.1   | -1,054.1   | 4,552.1               | 0.00                  | 0.00                 | 0.00                |  |
| 10,200.0                      | 90.00           | 180.83      | 6,030.0             | -4,529.1   | -1,055.6   | 4,650.1               | 0.00                  | 0.00                 | 0.00                |  |
| 10,300.0                      | 90.00           | 180.83      | 6,030.0             | -4,629.1   | -1,057.0   | 4,748.0               | 0.00                  | 0.00                 | 0.00                |  |
| 10,400.0                      | 90.00           | 180.83      | 6,030.0             | -4,729.1   | -1,058.5   | 4,846.0               | 0.00                  | 0.00                 | 0.00                |  |
| 10,500.0                      | 90.00           | 180.83      | 6,030.0             | -4,829.0   | -1,060.0   | 4,944.0               | 0.00                  | 0.00                 | 0.00                |  |
| 10,509.0                      | 90.00           | 180.83      | 6,030.0             | -4,838.1   | -1,060.1   | 4,952.9               | 0.00                  | 0.00                 | 0.00                |  |
| BHL 660'FSL & 672'FWL, Sec.20 |                 |             |                     |            |            |                       |                       |                      |                     |  |

| Casing Points       |                     |      |                     |                   |
|---------------------|---------------------|------|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
| 6,573.9             | 6,030.0             | 7"   | 7                   | 7-1/2             |

| Plan Annotations    |                     |                   |            |              |
|---------------------|---------------------|-------------------|------------|--------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment      |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |              |
| 1,200.0             | 1,200.0             | 0.0               | 0.0        | KOP #1       |
| 5,446.9             | 5,313.8             | -187.0            | -950.0     | KOP #2       |
| 6,573.9             | 6,030.0             | -903.5            | -998.7     | End of Build |