

## Results of Directional Survey

|             |                     |           |                                      |
|-------------|---------------------|-----------|--------------------------------------|
| API number: | <b>30-025-39893</b> |           |                                      |
| OGRID:      |                     | Operator: | <b>DEVON ENERGY PRODUCTION CO LP</b> |
|             |                     | Property: | <b>THISTLE UNIT</b> # 17H            |

|         |        |          |           |                |                 |
|---------|--------|----------|-----------|----------------|-----------------|
| surface | ULSTR: | <b>O</b> | <b>33</b> | <b>T</b> 23S   | <b>R</b> 33E    |
|         |        |          |           | <b>150</b> FSL | <b>1470</b> FEL |

|              |           |               |            |                 |                 |
|--------------|-----------|---------------|------------|-----------------|-----------------|
| BH Loc       | ULSTR:    | <b>B</b>      | <b>33</b>  | <b>T</b> 23S    | <b>R</b> 33E    |
| <b>13869</b> | <b>MD</b> | <b>8902.3</b> | <b>TVD</b> | <b>5132</b> FSL | <b>2521</b> FEL |

|             |           |               |            |                |                 |
|-------------|-----------|---------------|------------|----------------|-----------------|
| Top Perf/OH | ULSTR:    | <b>O</b>      | <b>33</b>  | <b>T</b> 23S   | <b>R</b> 33E    |
| <b>9200</b> | <b>MD</b> | <b>8974.1</b> | <b>TVD</b> | <b>581</b> FSL | <b>1506</b> FEL |

|              |           |               |            |                 |                 |
|--------------|-----------|---------------|------------|-----------------|-----------------|
| Bot Perf/OH  | ULSTR:    | <b>B</b>      | <b>33</b>  | <b>T</b> 23S    | <b>R</b> 33E    |
| <b>13756</b> | <b>MD</b> | <b>8909.4</b> | <b>TVD</b> | <b>5023</b> FSL | <b>2492</b> FEL |

|              | MD           | N/S     | E/W      | VD      |
|--------------|--------------|---------|----------|---------|
|              | 9193         | 424.26  | -34.58   | 8972.98 |
| TOP PERFS/OH | <b>9200</b>  | 431.04  | -35.93   | 8974.06 |
|              | 9225         | 455.27  | -40.77   | 8977.90 |
|              | 13725        | 4843.37 | -1014.31 | 8911.29 |
| BOT PERFS/OH | <b>13756</b> | 4873.29 | -1022.19 | 8909.36 |
|              | 13817        | 4932.16 | -1037.69 | 8905.56 |

|              |              |         |          |         |
|--------------|--------------|---------|----------|---------|
| NEXT TO LAST | 13725        | 4843.37 | -1014.31 | 8911.29 |
| LAST READING | 13817        | 4932.16 | -1037.69 | 8905.56 |
| TD           | <b>13869</b> | 4982.35 | -1050.90 | 8902.32 |

|                  |      |    |      |    |
|------------------|------|----|------|----|
| Surface Location | 150  | FS | 1470 | FE |
| Projected BHL    | 5132 | FS | 2521 | FE |
| Location of      |      |    |      |    |
| Top Perfs/OH     | 581  | FS | 1506 | FE |
| Bottom Perfs/OH  | 5023 | FS | 2492 | FE |

### SUMMARY of Subsurface Locations

| Surface Location | O-33-22S-33E | 150  | FS | 1470 | FE | Vert. Depth |
|------------------|--------------|------|----|------|----|-------------|
|                  |              |      |    |      |    |             |
| Top Perfs/OH     | O-33-22S-33E | 581  | FS | 1506 | FE | 8974.06     |
| Bottom Perfs/OH  | B-33-22S-33E | 5023 | FS | 2492 | FE | 8909.36     |
|                  |              |      |    |      |    |             |
| Projected TD     | B-33-22S-33E | 5132 | FS | 2521 | FE | 8902.32     |