

## Results of Directional Survey

### ATOKA PERFS

|             |              |           |                                     |      |
|-------------|--------------|-----------|-------------------------------------|------|
| API number: | 30-025-34097 |           |                                     |      |
| OGRID:      |              | Operator: | TEXACO EXPLORATION & PRODUCTION INC |      |
|             |              | Property: | STATE AN                            | # 11 |

|         |        |   |     |     |      |     |     |
|---------|--------|---|-----|-----|------|-----|-----|
| surface | ULSTR: | B | 07  | T   | 18S  | R   | 35E |
|         |        |   | 900 | FNL | 1440 | FEL |     |

|        |        |   |     |     |     |     |     |
|--------|--------|---|-----|-----|-----|-----|-----|
| BH Loc | ULSTR: | A | 07  | T   | 18S | R   | 35E |
|        |        |   | 408 | FNL | 537 | FEL |     |

|             |        |   |     |     |     |     |     |
|-------------|--------|---|-----|-----|-----|-----|-----|
| Top Perf/OH | ULSTR: | A | 07  | T   | 18S | R   | 35E |
|             | 10596  |   | 521 | FNL | 834 | FEL |     |

|             |        |   |     |     |     |     |     |
|-------------|--------|---|-----|-----|-----|-----|-----|
| Bot Perf/OH | ULSTR: | A | 07  | T   | 18S | R   | 35E |
|             | 10640  |   | 515 | FNL | 821 | FEL |     |

|              |       |        |        |          |
|--------------|-------|--------|--------|----------|
|              | MD    | N/S    | E/W    | VD       |
|              | 10587 | 378.30 | 603.40 | 10478.2  |
| TOP PERFS/OH | 10596 | 379.39 | 605.98 | 10486.75 |
|              | 10682 | 389.80 | 630.60 | 10568.50 |
|              | 10587 | 378.30 | 603.40 | 10478.2  |
| BOT PERFS/OH | 10640 | 384.72 | 618.57 | 10528.58 |
|              | 10682 | 389.80 | 630.60 | 10568.50 |

|              |       |        |        |          |
|--------------|-------|--------|--------|----------|
| NEXT TO LAST | 11221 | 437.50 | 772.50 | 11086.20 |
| LAST READING | 11253 | 441.30 | 781.60 | 11116.60 |
| TD           | 11681 | 492.13 | 903.31 | 11523.20 |

|                  |     |    |      |    |
|------------------|-----|----|------|----|
| Surface Location | 900 | FN | 1440 | FE |
| Projected BHL    | 408 | FN | 537  | FE |
| Location of      |     |    |      |    |
| Top Perfs/OH     | 521 | FN | 834  | FE |
| Bottom Perfs/OH  | 515 | FN | 821  | FE |

### SUMMARY of Subsurface Locations

|                  |              |     |    |      |    |             |
|------------------|--------------|-----|----|------|----|-------------|
| Surface Location | B-07-18S-35E | 900 | FN | 1440 | FE | Vert. Depth |
|                  |              |     |    |      |    |             |
| Top Perfs/OH     | A-07-18S-35E | 521 | FN | 834  | FE | 10486.75    |
| Bottom Perfs/OH  | A-07-18S-35E | 515 | FN | 821  | FE | 10528.58    |
|                  |              |     |    |      |    |             |
| Projected TD     | A-07-18S-35E | 408 | FN | 537  | FE | 11523.20    |