

Sea Eagle Prospect T-15-P

The Sea Eagle prospect is best illustrated, in a near dip direction, by Weaver's seismic line WB-82-32, Enclosure 6. The migration version of this line shows some data improvements and a better resolution of the areas surrounding the major faults. Enclosure 7. This seismic line is tied to the Durroon #1 well which was drilled to a depth at 9,922 feet and was abandoned within the Lower Cretaceous section.

Seismic time structure maps have been constructed for the general prospect area at various key horizon levels. The map scale is 1:100,000. The contour interval is shown on each map. The shallow map is at the intra-Upper Cretaceous Unconformity horizon level. Enclosure Map 4. Southwest and critical southeast dip are indicated in this upthrown fault blocks. At this level the Sea Eagle prospect has an area of closure of some 7200 acres and a relief of 100 milliseconds. Most of the prospect area of closure is located within the Weaver Permit T-15-P. A small portion of the closure is located outside the permit area.

The deeper map is at the mid-Cretaceous Unconformity horizon level. Enclosure Map 6. Southwest and critical southeast dip are indicated in this upthrown tilted fault block. In addition a smaller closure is shown downthrown from the main down-to-the-east normal fault. At this level the Sea Eagle prospect has an area of closure of some 13,000 acres and a relief of 100 milliseconds. The smaller closure has an area of 4000 acres and a relief of 100 milliseconds. Some of the prospect area is located outside the permit area to the northwest.

A third map has been constructed for the Sea Eagle prospect. The isotime interval intra-Upper Cretaceous Unconformity to mid-Cretaceous Unconformity, Enclosure Map 7, shows a wedge of sediments which pinches out and is totally absent from the crest of the structure. The presence of flat lying reflectors within this isotime interval has been observed on several seismic lines.