BENT COUNTY, COLORADO

by

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Bent's Fort Pool

Geographical Location - Ten miles north and six miles east of Las Animas, Colorado.

Number of Wells - one.

Discovery Well - V. J. Stansbury #1 Cordes-Oberland, Section 21-21S-51W, completed 8-31-55.

Method of Location - Subsurface.

Producing Formations - Atoka sand 4619'-4631'(oil); Morrow sand 5205'-5227'(gas).

Cumulative Production - Atoka: 4249 barrels of oil with no report on water. Morrow: Shut-in.

Spacing Pattern - None set as yet. Dry offsets have been drilled on a 40-acre spacing pattern, however.

Completion Methods - In the discovery well 5-1/2" casing was set below the pay zones and perforated opposite the producing sands.

Geology - The Bent's Fort Pool occurs at the extreme southern end of the Las Animas Arch. Entrapment in both the Atoka and Morrow sand bodies is primarily stratigraphic, structure being important only insofar as it controlled sand deposition. The lower Morrow section exhibits a facies change from a predominantly coarse clastic terrain on the flanks of the Las Animas Arch to a carbonate terrain on the crest of the Arch. The Atoka coarse clastics are interbedded with limestone and shale beds at the extreme southern end of the Las Animas Arch. These clastics were apparently derived from the Sierra Grande-Apishapa land mass during Atoka time, and were carried northward a limited distance. Hydrocarbons accumulated in these sands where the sands were draped over local structures of low relief.