



Site Description

Jackpot-Contact

(updated 2010)

Geologic setting:

Geothermal features:

Mineral Hot Spring: Mineral Hot Spring is reportedly 60°C with a reservoir temperature of 93°C, based on the silica geothermometer (Mariner and others, 1974). The spring is roughly 2 km northeast of Contact (Sec. 16, T45N, R64E) and 10 km southwest of San Jacinto Ranch, though the exact location is unknown. An abandoned Mineral Hot Springs building and concrete-lined pool(?) is located along U.S. Highway 93 in NW¼ NW¼ Sec. 16, T45N, R64E.

San Jacinto Ranch: Several hot springs and wells are found at San Jacinto Ranch, 13 km north of Contact. A major fault is present south of the springs (Stewart and Carlson, 1978) and may be present at the springs below the alluvium. Spring temperatures range from 26-64°C (Miller and others, 1953; Mariner and others 1983, p. 98). The 26°C spring had estimated reservoir temperatures of 26°C and 44°C on silica and Na-K-Ca geothermometers, respectively (Mariner and others 1983, p. 105).

Shoshone Warm Springs: Shoshone Warm Springs are located at Shoshone Creek ~8 km southeast of Jackpot (SW¼ SW¼ Sec. 11, T47N, R65E). They have a reported temperature of 35°C (Trexler and others, 1979, Table 1).

Wheeler (Y-3) Ranch: 2 km southwest of Shoshone Warm Springs are two hot water wells, Y-3 II Ranch Fish Pond Well No. 3 and Y-3 II Ranch Fish Pond Well No. 4, both drilled in 1988 and located on the Y-3 Ranch (SE¼ SW¼ Sec. 15 T47N, R65E and SW¼ SE¼ Sec. 15 T47N, R65E respectively) (Barton and Purkey, 1993, p. 12). These wells have reported temperatures of 36.7°C and 41.7°C (NBMG files).

Catfish were raised as food in the early 1990s using warm water from the Y3 Ranch wells. Insufficient geothermal fluid is reported to have ended the operation by 1993. One 42°C spring was sampled in Sec. 15, T47N, R65E. The chalcedony temperature is less than the measured discharge temperature and the Na-K-Ca temperature is only slightly greater (60°C) than the measured temperature.



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Leasing information: No information is available on this 1,920 acre site, leased by Caldera Geothermal.