

Geophysical Logs of Well RG-95474 near Llano Quemado, Taos County, New Mexico

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In September of 2015, the Llano Quemado Mutual Domestic Water Consumers Association drilled a production water well 1.4 miles southwest of the village of Llano Quemado, just south of Taos (UTM-NAD83 coordinates: 443954 E, 4020825 N). The well is located on the high piedmont of the Picuris Mountains, in the southeast corner of the San Luis basin of the Rio Grande rift. The well penetrated thin surficial deposits and basin-fill deposits of the Santa Fe Group and Picuris Formation to a total depth of 1206 ft, and was cased to 1185 ft.

The well owner commissioned geophysical logging of the well. The purpose of this report is to make the geophysical logs available to the public.

Well Coordinates

UTM-NAD83 coordinates: 443954 E, 4020825 N
NAD83 lat/long: 36° 19' 51"N, 105° 37' 28" E

Contents (PDF Format)

- Overview (this page)
- Well record filed with the NM Office of the State Engineer
- Deviation log
- Sonic log
- Electric gamma log
- Gamma neutron caliper log

Recommended Citation

Bauer, P.W., 2016, Geophysical logs of well RG-95474 near Llano Quemado, Taos County, New Mexico: New Mexico Bureau of Geology and Mineral Resources Open-File Report 588, 29 p.

References

This well has also served as a data source for several recent reports on the geology, hydrogeology, and geophysics of the southern Taos Valley area and the Embudo fault zone (e.g., Bauer et al., 2016; Johnson et al., 2016; Grauch et al., 2017 – *see below*).

Bauer, P.W., Kelson, K.I., Grauch, V.J.S., Drenth, B.J., Johnson, P.S., Aby, S.B., and Felix, B., 2016, Geologic Map and Cross Sections of the Embudo Fault Zone in the Southern Taos Valley, Taos County, New Mexico: New Mexico Bureau of Geology and Mineral Resources Open-File Report 584, 28 p. plus two oversized plates.

Grauch, V.J.S., Bauer, P.W., Drenth, B.J., and Kelson, K.I., 2017, A shifting rift—Geophysical insights into the evolution of Rio Grande rift margins and the Embudo transfer zone near Taos, New Mexico: *Geosphere*, v. 13 (in press).

Johnson, P.S., Bauer, P.W., and Felix, B., 2016, Hydrogeologic investigation of the southern Taos Valley, Taos County, New Mexico: New Mexico Bureau of Geology and Mineral Resources Open-File Report 581, 95 p.