Geophysics International

ELECTROTELLURIC SURVEY REPORT

For

Geophysics International Case Study

"Real Estate Example A"

Contra Costa Co., California

September 27, 2000

CALIBRATION

The electrotelluric signatures for porous, water productive zones were modeled at the ETS-9 Well (35 gpm) as Grade 6.0 to Grade 7.3 ET responses.

The term "net porosity" is used to describe zones with the greatest potential to produce water. For the purpose of this report, the electrotelluric signal response for "net porosity" is defined as follows:

"Net Porosity" ≥ Grade 6.0

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OBSERVATIONS

Table 1 shows net porosity data for ETS-9 Well and five survey stations. Of the five survey stations, station ETS-4 exhibits the highest Total Grade-Feet value (84) for the 100-500 foot interval. Stations ETS-2, 5, and 7 exhibit the lowest Total Grade-Feet value (0) for the same depth interval.

The ET data indicate that survey station ETS-4 is the best location for potential water production from the 100-500 foot interval.

TABLE 1

NET POROSITY DATA

"Real Estate Example A"

(Net ≥ Grade 6.0)

		Thickness		Grade-Feet	
	Vertical Interval	Total	Ratio	Total	Ratio
ETS-9 Well	0 – 225 (225)	26'	0.12	172	0.76
ETS-2	100 – 500 (400)	0'	0.00	0	0.00
ETS-4	100 – 500 (400)	12'	0.03	84	0.21
ETS-5	100 – 500 (400)	0'	0.00	0	0.00
ETS-6	100 – 500 (400)	9'	0.02	54	0.14
ETS-7	100 – 500 (400)	0'	0.00	0	0.00

Summary Sheet

Geophysics International Electrotelluric Case Study

"Real Estate Example A"

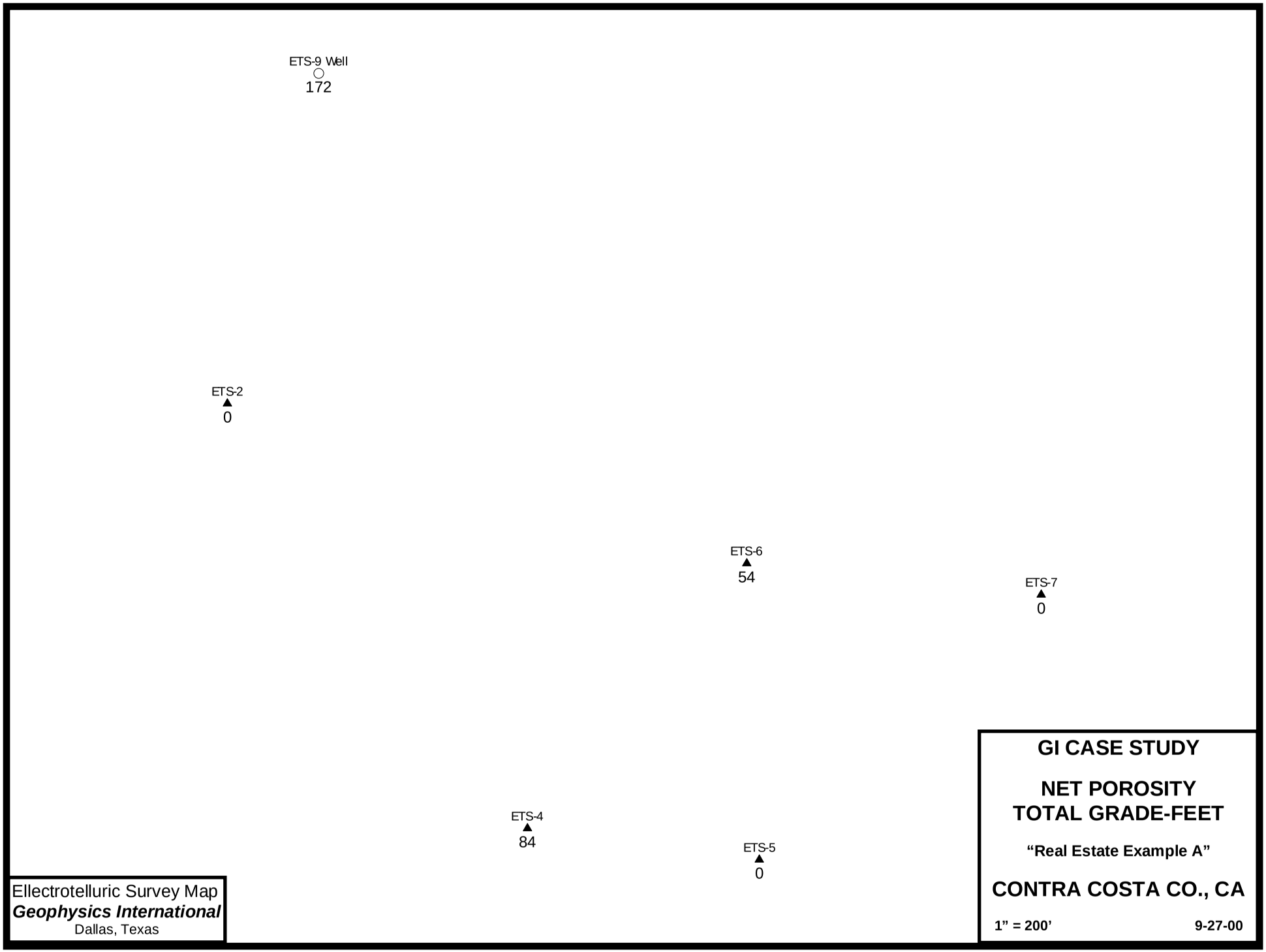
Location: Contra Costa Co., California

Survey Date: September 27, 2000

Geology: Siltstone, Claystone and Sandstone Lenses

Calibration Data: ETS-9 Well
TD = 225'
Production Reported @ 35 gpm

Drillsite Data: Survey Station ETS-4
Drilled May 2002
Production Tested @ 8 gpm from "469-Ft." zone



Ellectrotelluric Survey Map
Geophysics International
Dallas, Texas

GI CASE STUDY

NET POROSITY
TOTAL GRADE-FEET

"Real Estate Example A"

CONTRA COSTA CO., CA

1" = 200' **9-27-00**