Geophysics International

ELECTROTELLURIC SURVEY REPORT

For

Geophysics International Case Study

"Trucking Company Example B"

San Joaquin Co., California

May 11, 1999

CALIBRATION

The electrotelluric signal characteristics for a porous water productive zone were modeled at the ETS-9 Well (100 gpm) as Grade 6.0 to Grade 8.0 fluid responses.

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

"Net Porosity" ≥ Grade 5.0

"Trucking Company Example B"

2901 Haymeadow ● Carrollton, Texas 75007 ● Local 972-242-9183 ● Toll Free: 888-795-2740

OBSERVATIONS

Table 1 shows net porosity data for the ETS-9 calibration well and four survey stations. Of the four survey stations, station ETS-7 exhibits the highest Total Grade-Feet value (846). Station ETS-5 exhibits the lowest Total Grade-Feet value (231).

The ET data indicate that survey station ETS-7 is the best location for potential water production from the 200-600 foot interval.

TABLE 1

NET POROSITY DATA

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(Net ≥ Grade 5.0)

	Vertical Interval	Thickness		Grade-Feet	
		Total	Ratio	Total	Ratio
ETS-9 Well	0 – 100 (100)	21'	0.21	152	1.52
ETS-4	200 – 600 (400)	88'	0.22	595	1.49
ETS-5	200 – 600 (400)	36'	0.09	231	0.58
ETS-6	100 – 600 (500)	92'	0.18	588	1.18
ETS-7	200 – 600 (400)	105'	0.26	846	2.12

Summary Sheet

Geophysics International Electrotelluric Survey Case Study

"Trucking Company Example B"

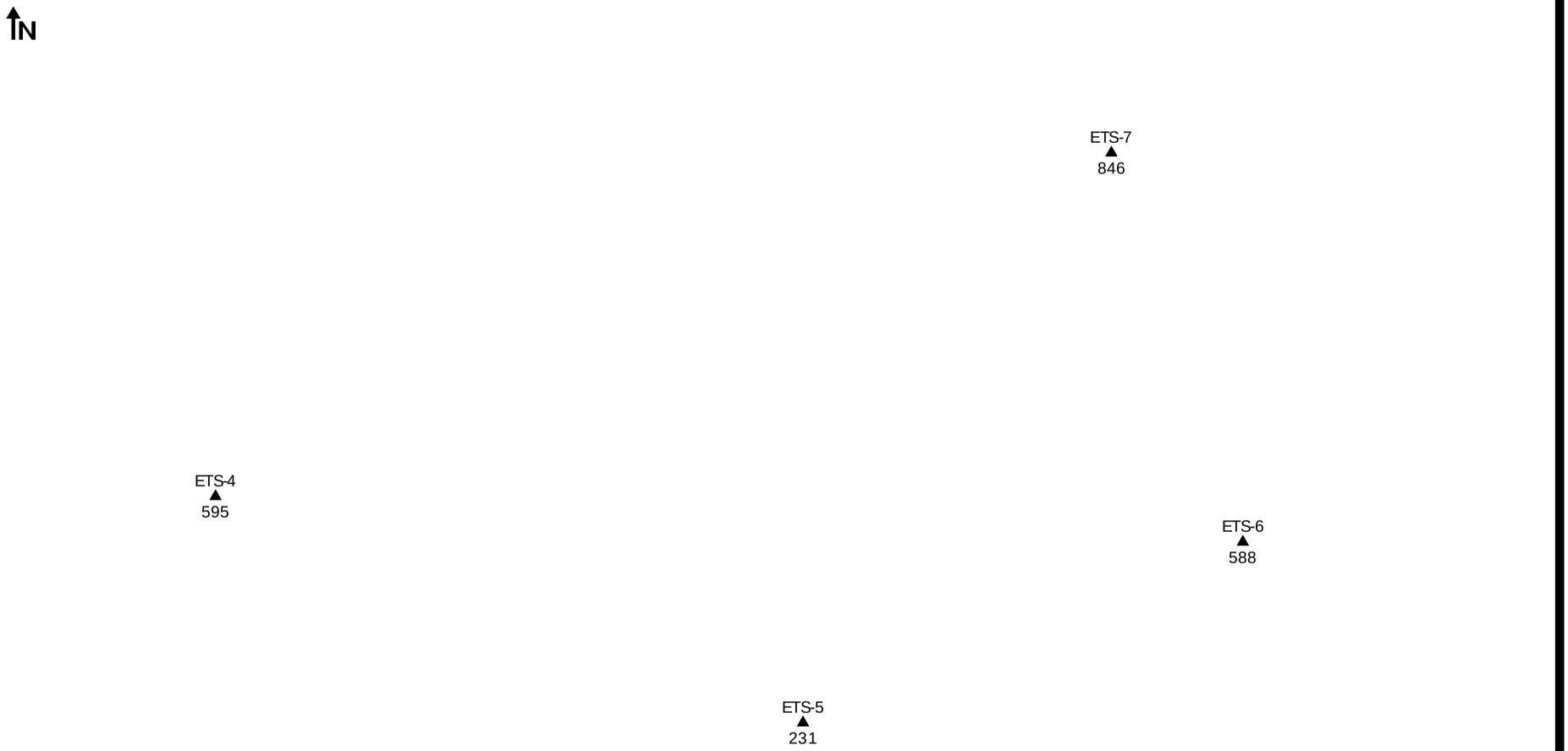
Location: San Joaquin Co., California

Survey Date: May 11, 1999

Geology: Volcaniclastic Sands and Gravels

Calibration Data: ETS-9 Well
TD = 100', Off-Site
Production Reported @ 100 gpm

Drillsite Data: Survey Station ETS-7
Drilled July 14, 1999
Production Tested @ 800 gpm



Ellectrotelluric Survey Map
Geophysics International
Dallas, Texas

GI CASE STUDY

NET POROSITY
TOTAL GRADE-FEET

"Trucking Company Example B"

SAN JOAQUIN CO., CA

1" = 100' **5-11-99**