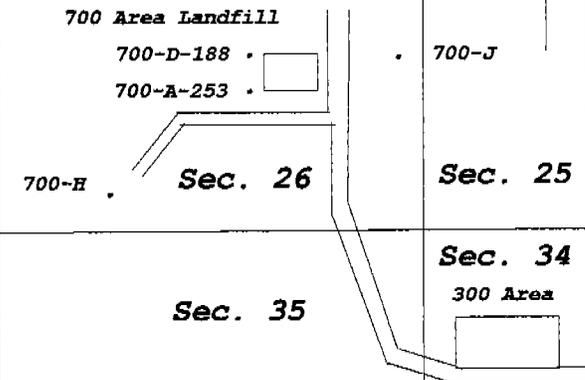


WSTF Well Borehole Lithologic/Geophysical log

Location Map (not to scale)



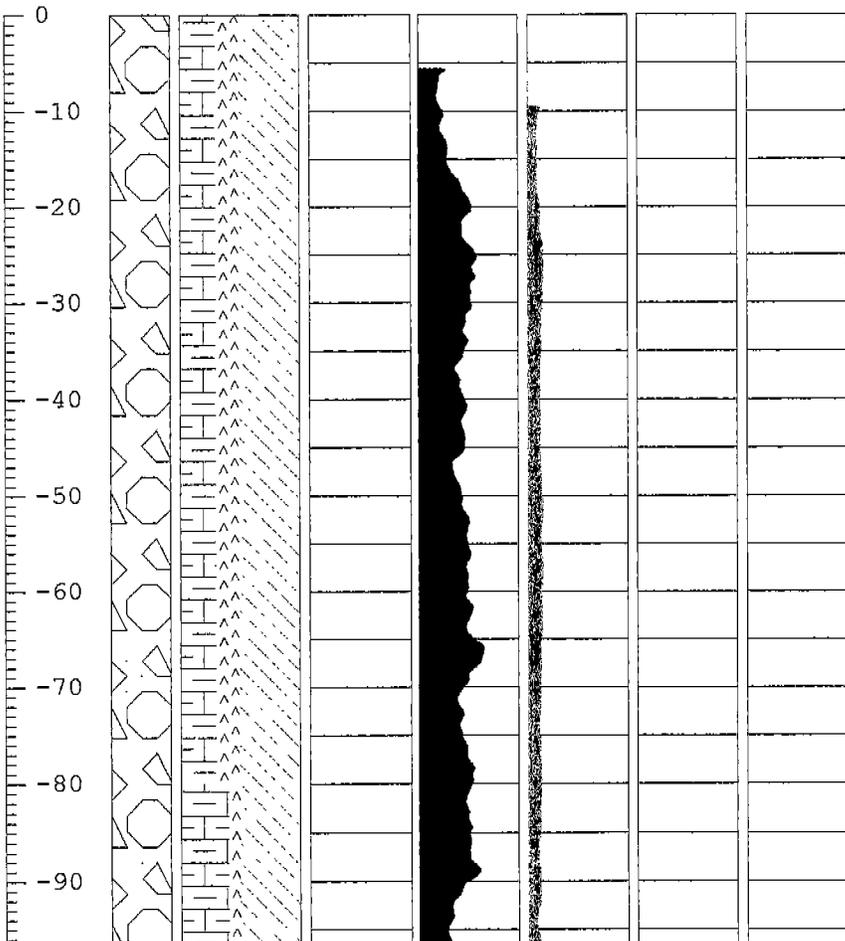
Site I.D: NASA-WSTF **Location I.D:** 700-H
County and State: Dona Ana County, New Mexico
Site Coordinates: N-235909.42 E-416171.20
Ground Elevation: 4867.86'
Total Depth of Borehole: 730'
Depth to Bedrock and Type: 200'-Andesite
Depth to Groundwater from Geophysics: 324'
Drilling Method (s): Drove 7 5/8" casing to 170'; installed 5" surface casing to 170'; drilled 4 3/4" borehole to 730'.
Drilling Contractor: Stewart Brothers Drilling Co.
Geophysical Survey Contractor: Southwest Geophysical, Inc.
Lynx Field Representative(s): L. Hunnicutt-Mack, M. McClure, J. Pearson and M. Rivera
Dates Drilling Started and Completed: 6/9/99 to 6/19/99.
Comments: Westbay well multi-port sampling well was installed within the open borehole. Lithologic samples collected every 10'.

Location Description

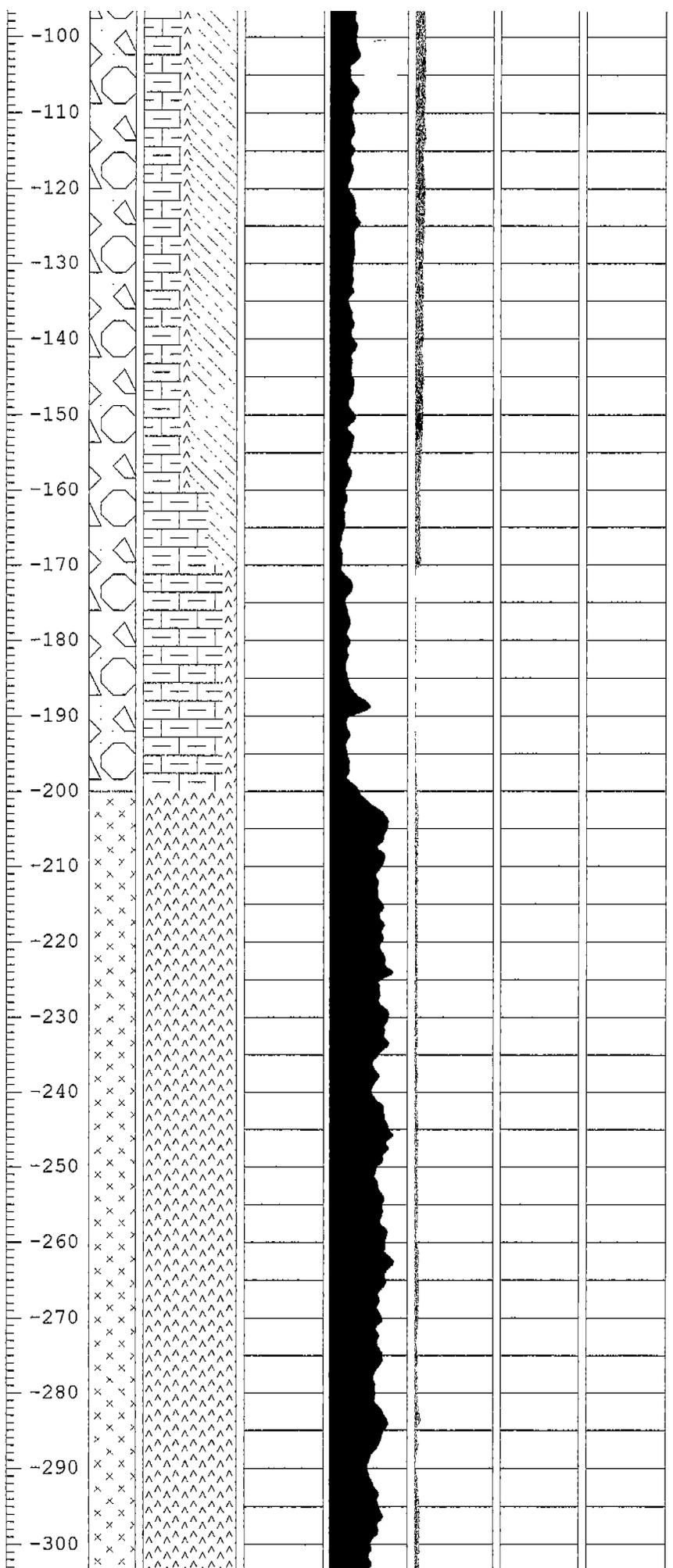
Quarter 1: SE 1/4 **Section:** 26
Quarter 2: SE 1/4 **Township:** 20 S
Quarter 3: NW 1/4 **Range:** 3 E

Location Description: Well 700-H is located downgradient of the 700 Area landfill approximately 1 mile north-northwest of the 300 Area test facility.

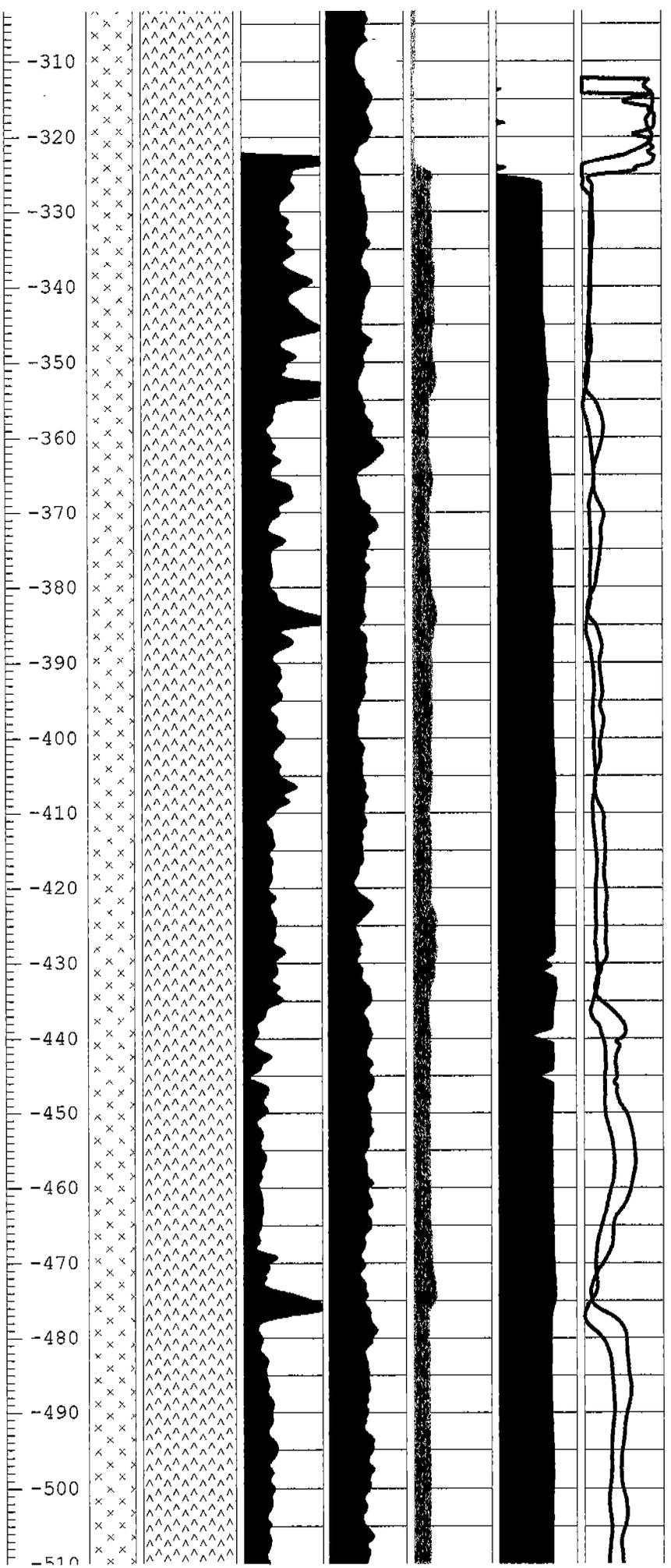
Depth (Feet)	Lithology	Visual Percent		Sonic Porosity (Msec./ft.)		Gamma API		Neutron API		SP (Milli-volts)		Resistivity (OHM-M) 64"-green 16"-red		Lithologic Description
		0	100	0	25	0	260	-5	150	-100	100	0	1500	
0														

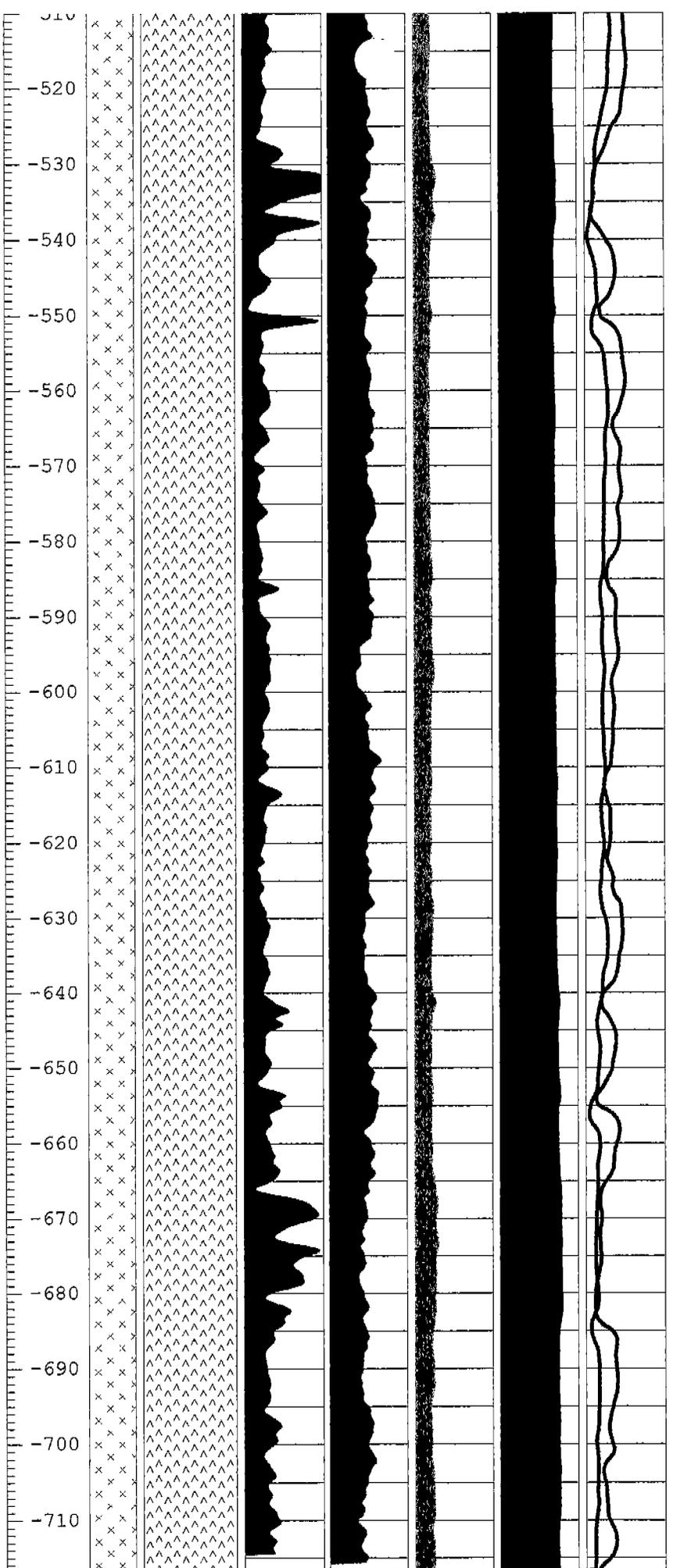


ALLUVIUM: Santa Fe Group: (0-200 feet): Alluvial cuttings consist of polygenetic, multi-colored clasts with localized clay-rich intervals. Clasts were derived from the adjacent San Andres Mountains and generally comprise 40-80% of the lithologic samples. Clasts within the alluvium consist of: 1) 30-80% gray black (N2) to green black (5GY 2/1), angular to rounded, coarse sand to coarse gravel-sized, micritic limestone clasts that display abundant calcite-filled fracture veins, 2) 10-20% moderate reddish brown (10R 4/6), moderate pink (5R 7/4) to gray green (10GY 5/2), angular to subrounded, coarse sand to gravel-sized, volcanic clasts (rhyolite, rhyolite tuff, andesite, clay-altered volcanics, dacite, rhyodacite), 3) 10-50%, pale red brown (10R 5/4) to light brown (5YR 6/4) clay. Other clasts observed include gray green (10GY 5/2) chert, disseminated milky quartz, and pale red brown silt (10R 4/6). The amount of clay and volcanic clasts increases with depth. The Santa Fe alluvium directly overlies Tertiary volcanic bedrock and is marked by a 20-foot thick, pebble/clay-rich horizon.



ANDESITE: (200-730 feet): Andesite is grayish green (10GY 5/2) to very dusky red (10R 2/2) and weathers grayish pink (5R 8/2). This rock consists of 15% acicular phenocrysts of hornblende and 15% euhedral plagioclase laths within a 70% dusky red, aphanitic, felsic groundmass. Camera logs of the open borehole display numerous fracture zones and numerous light-colored intrusions (dikes). Limestone clasts are present and represent downhole contamination.





-720
-730

