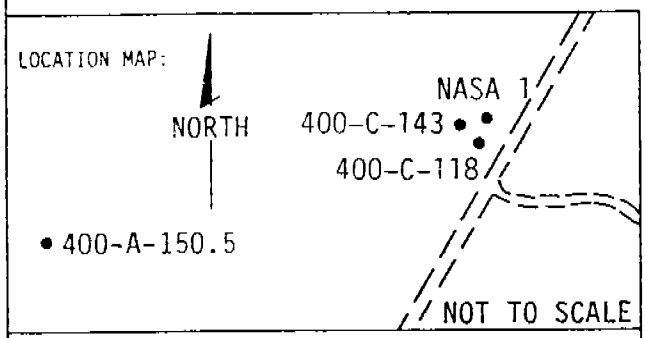
LITHOLOGIC LOG

LOCATION MAP:



NW1/4 NE1/4 NW1/4 SW 1/4 S35 T20S R3E

SITE ID: NASA-WSTF LOCATION ID: 400-A-150.5

SITE COORDINATES (ft.):

N 230188.95 E 414503.08

GROUND ELEVATION (ft. MSL): 4795.09 (Brass Cap)

STATE: NEW MEXICO COUNTY: DOÑA ANA

DRILLING METHOD: AIR-FOAM ROTARY

DRILLING CONTR.: LARJON

DATE STARTED: 29 JANUARY 87 DATE COMPLETED: 9 FEBRUARY 1987

FIELD REP.: J. KASZUBA/E. MORSE

COMMENTS: Top Bedrock at ~ 185'. Total Depth = 187'.

LOCATION DESCRIPTION:

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description	
5, 10, 15, 20, 25, 30, 35, 40, 45, 50			0'-187' not available	0'-187' cuttings	0'-185'	ALLUVIUM (Santa Fe Group)
					0'-30'	White (N9) to medium light gray (N6) to dusky red (5R3/4) to colorless; cuttings are fine-grained to very coarse-grained sand, minor gravel up to 0.25"; subrounded to subangular; moderate to well sorted. Unconsolidated. Cutting lithologies: limestone, sandstone, siltstone, quartzite, calcite, minor granite, dolomite, clay and silt.
					30'-145'	White (N9), dusky red (5R3/4), and medium light gray (N6); cuttings are coarse-grained sand and gravel 1/4" in diameter, rarely up to 3/4"; subrounded to subangular; moderate to poor sorting. Unconsolidated. Minor caliche at 45'-50'. Cutting lithologies: limestone, dolomite, sandstone, siltstone, quartzite, calcite and minor granite.

LOCATION ID: 400-A 150.5

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					ALLUVIUM (Santa Fe Group) Continued
50					
55					
60					
65					
70					
75					
80					
85					
90					
95					
100					
105					
110					
115					

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					ALLUVIUM (Santa Fe Group) Continued
115					
120					
125					
130					
135					
140					
145					145'-185' White (N9) to dark red brown (10R3/4) to medium light gray (N6) to gray black (N2); cuttings are coarse-grained sand, average chip size 1/8", rarely up to 1/4"; subrounded to subangular; moderate sorting. Unconsolidated. Minor granite, volcanics, and caliche at 170'-185'. Lithologies: limestone, dolomite, sandstone, siltstone and quartz.
150					
155					
160					
165					
170					
175					
180					

LOCATION ID: 400-A-150.5

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					ALLUVIUM (Santa Fe Group) Continued
180					
185					185'-187' ALLUVIUM/TOP OF OREJON ANDESITE (?) Dusky yellowish brown (10YR 2/2) to brownish gray (5YR 4/1); cuttings are coarse-grained sand, maximum clast size 1/2"; subrounded to angular; moderate to poor sorting of chips. Moderately consolidated. Top of Orejon Andesite (?). Lithologies: andesite, limestone, dolomite, sandstone, caliche and siltstone.
190					
195					Total Depth = 187'.
200					
205					
210					
215					
220					
225					
230					
235					
240					
245					