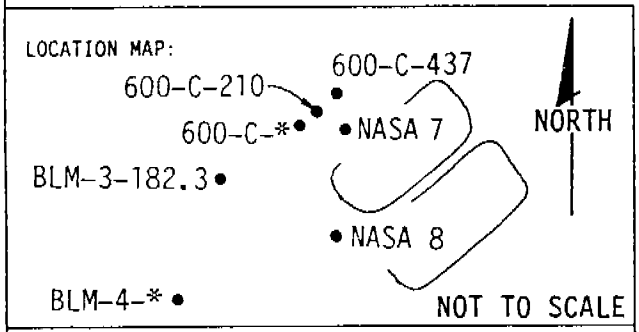
LITHOLOGIC LOG

LOCATION MAP:



SE1/4 NE1/4 NE1/4 SE1/4 S3 T21S R3E

SITE ID: NASA-WSTF LOCATION ID: BLM-3-182.3

SITE COORDINATES (ft.):

N 224681.46 E 413418.22

GROUND ELEVATION (ft. MSL): 4743.93 (Brass Cap)

STATE: NEW MEXICO COUNTY: DOÑA ANA

DRILLING METHOD: MUD/AIR-FOAM ROTARY

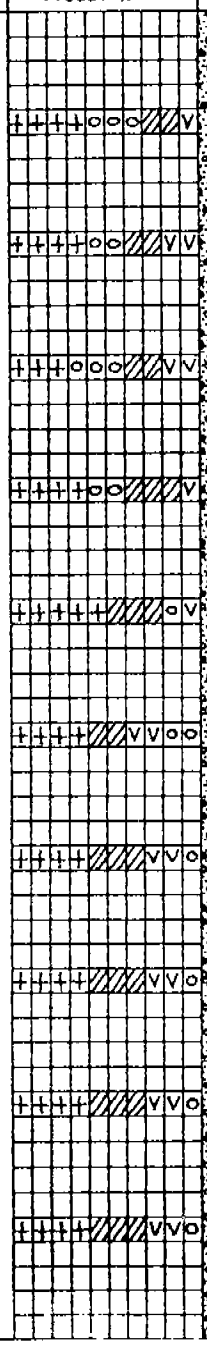
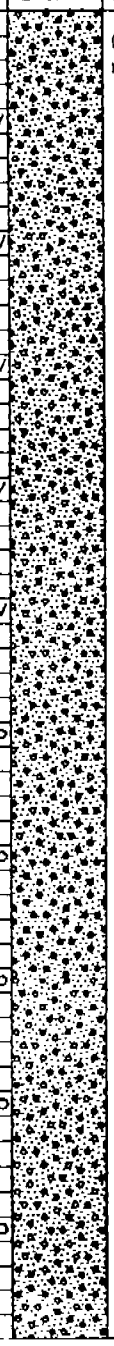
DRILLING CONTR.: LARJON

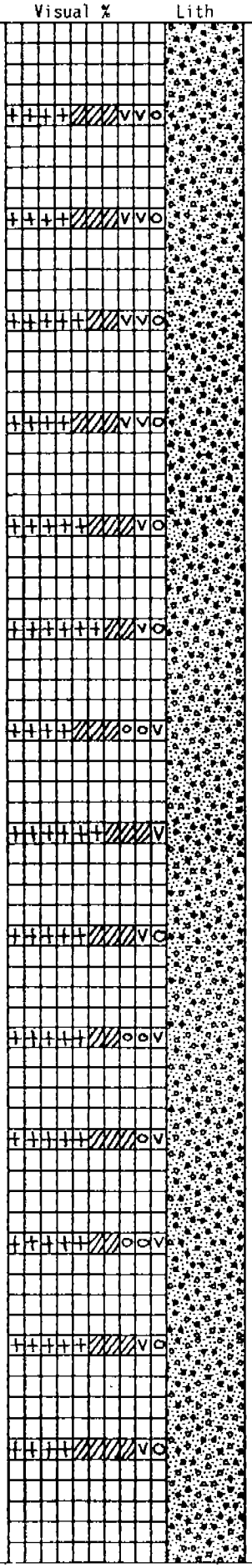
DATE STARTED: 31 JANUARY 87 DATE COMPLETED: 10 FEBRUARY 87

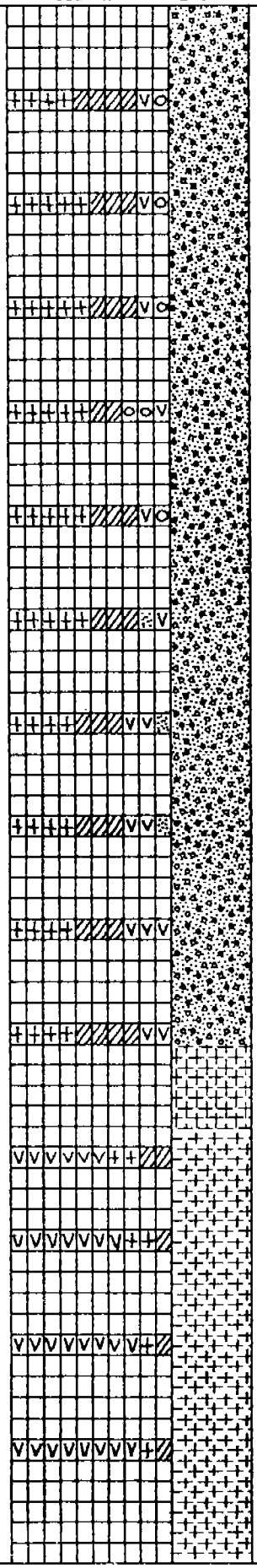
FIELD REP.: CONTALDO

COMMENTS: Top Bedrock at 160'. Total Depth = 215.5'.

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'-215.5' not available	0'-215.5' cuttings	0'-160'	ALLUVIUM (Santa Fe Group)
					0'-40'	Grayish orange (10 YR 7/4) to black (N1); cuttings are medium- to coarse-grained sand with pebbles up to 0.5" in diameter maximum; subrounded to angular. Cutting lithologies include limestone, caliche, siltstone and volcanics.
					40'-55'	Pale yellowish orange (10YR 8/6) to dark gray (N3); cuttings are medium- to coarse-grained with pebbles up to 1" in diameter; subrounded to angular; poorly sorted. Cutting lithologies include limestone, siltstone, volcanics and caliche.

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					ALLUVIUM (Santa Fe Group) Continued
					55'-60' Pale yellowish orange (10YR 8/6) to grayish black (N2); cuttings are medium- to coarse-grained sand with pebbles up to .75" in diameter; subrounded to subangular; poorly sorted. Caliche coating on some clasts. Cutting lithologies include limestone, siltstone and volcanics.
					60'-65' As above - crystalline quartz present.
					65'-115' Pale yellowish orange (10YR 5/6) to grayish black (N2); cuttings are fine- to medium-grained sand; subrounded to subangular; moderately sorted. Minor caliche coatings on some grains. Cutting lithologies include limestone, siltstone and volcanics.

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					ALLUVIUM (Santa Fe Group) Continued
					115'-120' Very pale orange (10YR 8/2) to dark gray (N3); cuttings are very fine- to medium-grained sand; subrounded to subangular; moderately sorted. Caliche coating on some clasts. Cutting lithologies include limestone, siltstone and volcanics.
					135'-160' Grayish orange (10YR 7/4) to black (N1); cuttings are very fine- to coarse-grained sand with pebbles up to .5" in diameter; subrounded to subangular; poorly sorted. Cutting lithologies include limestone, siltstone, quartzite and volcanics.
					160'-215' OREJON ANDESITE Grayish red purple (5RP 4/2) to dusky blue green (5BG 3/2). Volcanic bedrock. Medium to very coarse-grained sand size cuttings up to .5" in diameter. Upper hole cuttings of limestone and siltstone present.

LOCATION ID: BLM-3-182.3

Depth	Visual %	Lith	Drilling Time Scale:	Sample Type and Interval	Lithologic Description
					OREJON ANDESITE Continued
180					
185					
190					
195					
200					
205					
210					
215					Total Depth = 215.5'.
220					
225					
230					
235					
240					
245					