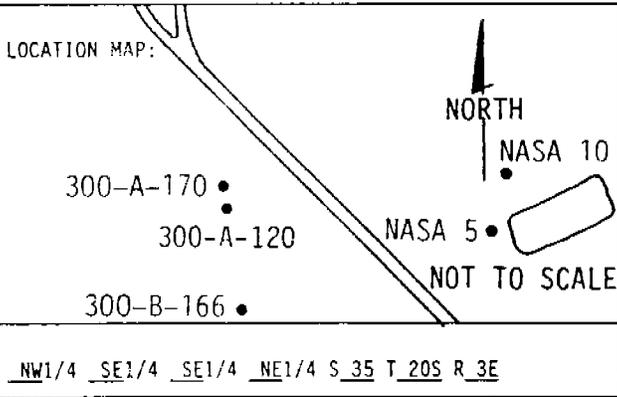


LITHOLOGIC LOG



SITE ID: NASA-WSTF LOCATION ID: 300-A-120

SITE COORDINATES (ft.):

N 230939.97 E 418518.75

GROUND ELEVATION (ft. MSL): 4911.67 (Brass Cap)

STATE: NEW MEXICO COUNTY: DOÑA ANA

DRILLING METHOD: AIR-FOAM ROTARY

DRILLING CONTR.: LARJON

DATE STARTED: 27 JANUARY 87 DATE COMPLETED: 3 FEBRUARY 87

FIELD REP.: CONTALDO, LINLEY

COMMENTS: Top Bedrock @ - 115'. Total Depth = 150'.

LOCATION DESCRIPTION:

| Depth | Visual % | Lith | Drilling Time Scale: | Sample Type and Interval | Lithologic Description |
|-------|-----------|------|--------------------------|--------------------------|---|
| | | | 0'-150' not available | 0'-150' cuttings | 0'-115' <u>ALLUVIUM (Santa Fe Group)</u> 0'-40' Light brown (5 YR 6/4) to black (N1); cuttings are fine-grained sand to pebbles up to .5" in diameter; subrounded to subangular; poorly sorted. Unconsolidated. Clasts consist of limestone, caliche, siltstone, quartzite, volcanics. |
| 5 | ++++//V○ | | | | |
| 10 | ++++//V○ | | | | |
| 15 | ++++//VV○ | | | | |
| 20 | ++++//V○ | | | | |
| 25 | ++++//VV○ | | | | |
| 30 | ++++//VV○ | | | | |
| 35 | ++++//VV○ | | | | |
| 40 | ++++//V○ | | | | 40'-50' Moderate yellowish brown (10 YR 5/4) to dark gray (N3); cuttings are fine-grained sand to pebbles up to 1.25" in diameter; subrounded to subangular; poorly sorted. Unconsolidated. Clasts consist of limestone, siltstone, volcanics, caliche, quartzite. |
| 45 | ++++//VV○ | | | | |
| 50 | ++++//VV○ | | | | |

| Depth | Visual % | Lith | Drilling Time Scale: | Sample Type and Interval | Lithologic Description |
|--|----------|----------|-------------------------|-----------------------------|---|
| <u>ALLUVIUM (Santa Fe Group) Continued</u> | | | | | |
| 50 | ++++//VV | [Symbol] | | | 50'-55' Dark yellowish orange (10 YR 6/6) to black (N1); cuttings are fine-grained to very coarse-grained sand and pebbles up to 3/8" in diameter; sub-rounded to subangular; poorly sorted. Cuttings consist of limestone, volcanics, siltstone, quartzite, caliche. |
| 55 | ++++//VV | [Symbol] | | | |
| 60 | ++++//VV | [Symbol] | | | 55'-105' Grayish orange (10 YR 7/4) to black (N1); cuttings are fine-grained sand to medium pebbles up to .5" in diameter; subrounded to subangular; poorly sorted. Unconsolidated. Cuttings consist of limestone, volcanics, quartzite, siltstone, minor amounts of caliche. |
| 65 | ++++//VV | [Symbol] | | | |
| 70 | ++++//VV | [Symbol] | | | |
| 75 | ++++//VV | [Symbol] | | | 75'-80' Sample lost. |
| 80 | | [Symbol] | | | |
| 85 | ++++//VV | [Symbol] | | | |
| 90 | ++++//VV | [Symbol] | | | |
| 95 | ++++//VV | [Symbol] | | | |
| 100 | ++++//VV | [Symbol] | | | |
| 105 | ++++//VV | [Symbol] | | | 105'-115' Light brown (5 YR 6/4) to black (N1); cuttings are fine-grained to very coarse-grained sand and pebbles up to .25" in diameter; subrounded to angular, moderately sorted. Unconsolidated. Cuttings consist of limestone, siltstone, caliche, quartzite and volcanics. |
| 110 | VVVV++++ | [Symbol] | | | |
| 115 | VVVV++++ | [Symbol] | | | |

| Depth | Visual % | Lith | Drilling Time Scale: | Sample Type and Interval | Lithologic Description |
|-------|---------------|---|-------------------------|-----------------------------|--|
| | | | | | <u>OREJON ANDESITE</u> Continued |
| 115 | VVVVV++ |  | | | 115'-150' <u>OREJON ANDESITE</u> Very dark red (5 R 2/6), grayish olive green (5 GY 3/2), dusky blue (5 PB 3/2); cuttings are medium-grained sand to pebbles up to .5" in diameter; subangular to angular. 100% volcanic cuttings. |
| 120 | VVVVVVVVVVVVV |  | | | |
| 125 | VVVVVVVVVVVVV |  | | | |
| 130 | VVVVVVVVVVVVV |  | | | |
| 135 | VVVVVVVVVVVVV |  | | | |
| 140 | VVVVVVVVVVVVV |  | | | |
| 145 | VVVVVVVVVVVVV |  | | | |
| 150 | VVVVVVVVVVVVV |  | | | Total Depth = 150'. |
| 155 | | | | | |
| 160 | | | | | |
| 165 | | | | | |
| 170 | | | | | |
| 175 | | | | | |
| 180 | | | | | |