

Instituto Tecnológico
GeoMinero de España



DIPUTACION
GENERAL
DE ARAGON

Departamento de Industria,
Comercio y Turismo

**ESTUDIO Y ANALISIS DE LA SITUACION
DE LA SEGURIDAD MINERA
EN LAS EXPLOTACIONES A CIELO ABIERTO
(CANTERAS)
DE LA COMUNIDAD AUTONOMA DE ARAGON**

TOMO II.- ANEXO



MINISTERIO DE INDUSTRIA, COMERCIO Y TURISMO

01131

**ESTUDIO Y ANALISIS DE LA SITUACION
DE LA SEGURIDAD MINERA
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I N D I C E

DOCUMENTACION FOTOGRAFICA

1.- PROVINCIA DE ZARAGOZA

1.1.- CANTERAS DE ARCILLAS

1.2.- CANTERAS DE CALIZAS

1.3.- CANTERAS DE CUARCITA

1.4.- CANTERAS DE YESO

1.5.- CANTERAS DE ARENA

1.6.- CANTERAS DE ARIDOS NATURALES

2.- PROVINCIA DE TERUEL

2.1.- CANTERAS DE ARCILLAS REFRACTARIAS
Y ARENAS CAOLINIFERAS

2.2.- CANTERAS DE ARCILLAS COMUNES

2.3.- CANTERAS DE CALIZAS

2.4.- CANTERAS DE ARIDOS NATURALES

2.5.- CANTERAS DE OTRAS SUSTANCIAS

3.- PROVINCIA DE HUESCA

3.1.- CANTERAS DE ARCILLAS

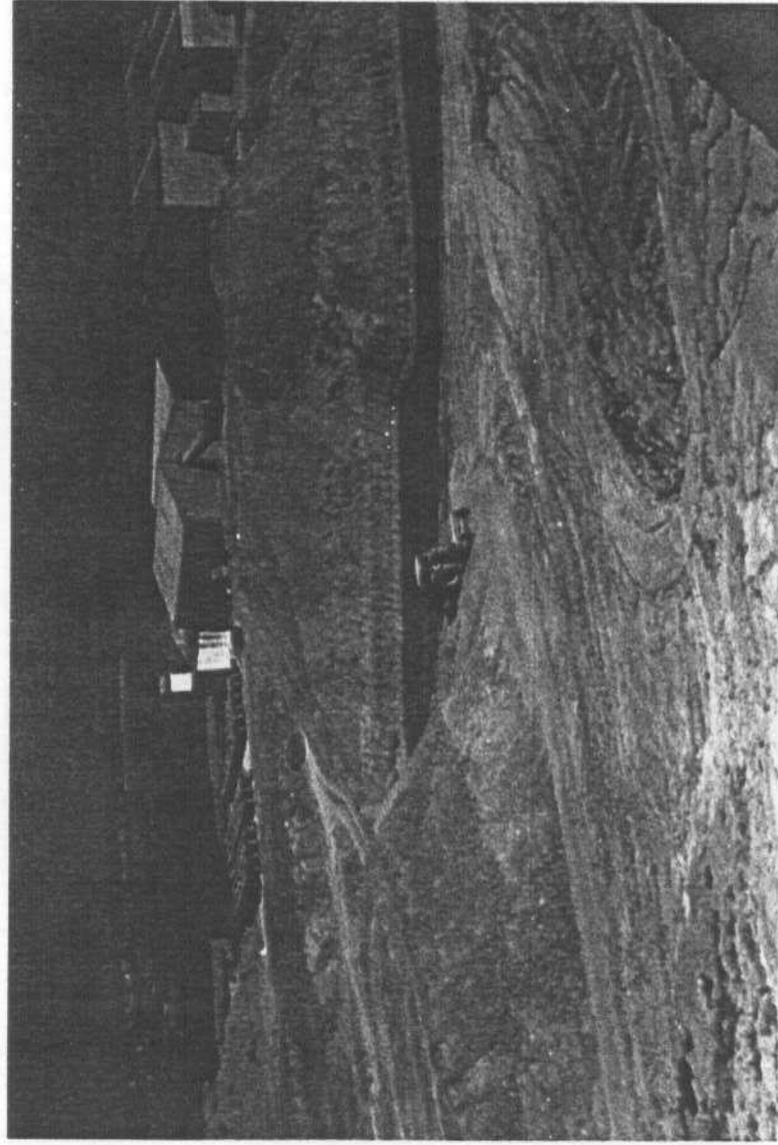
3.2.- CANTERAS DE CALIZA Y YESO

3.3.- OTRAS EXPLOTACIONES

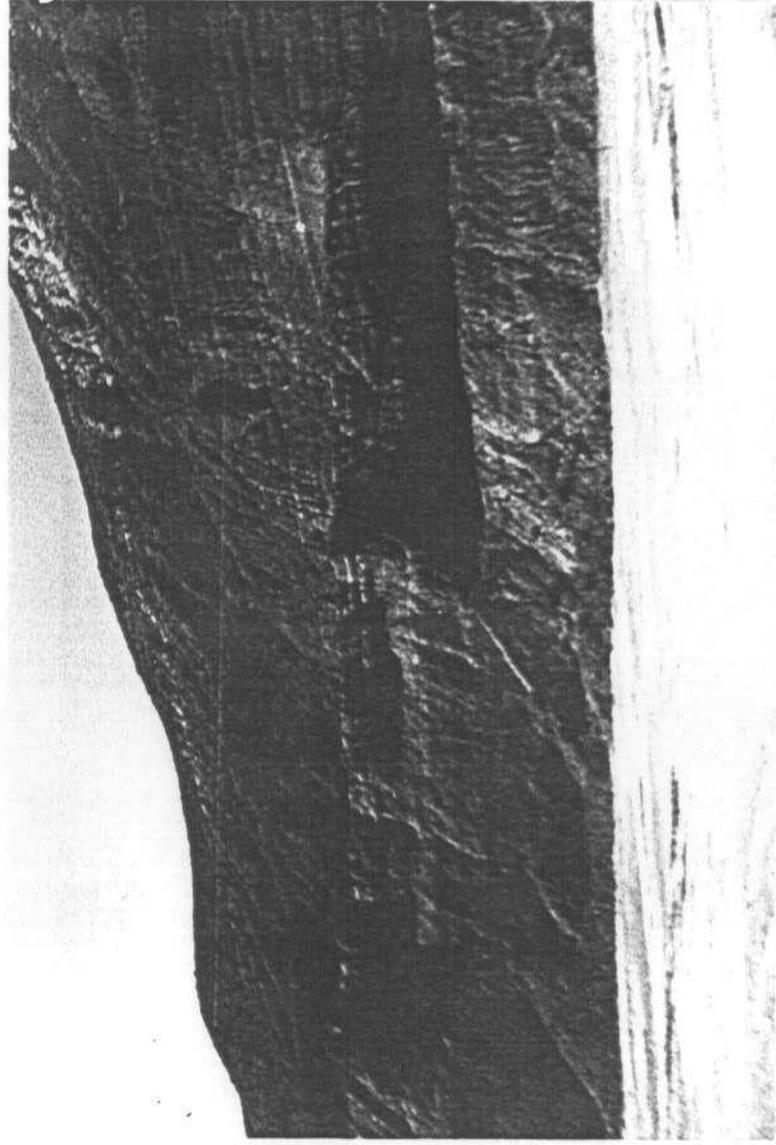
DOCUMENTACION FOTOGRAFICA

1.- PROVINCIA DE ZARAGOZA

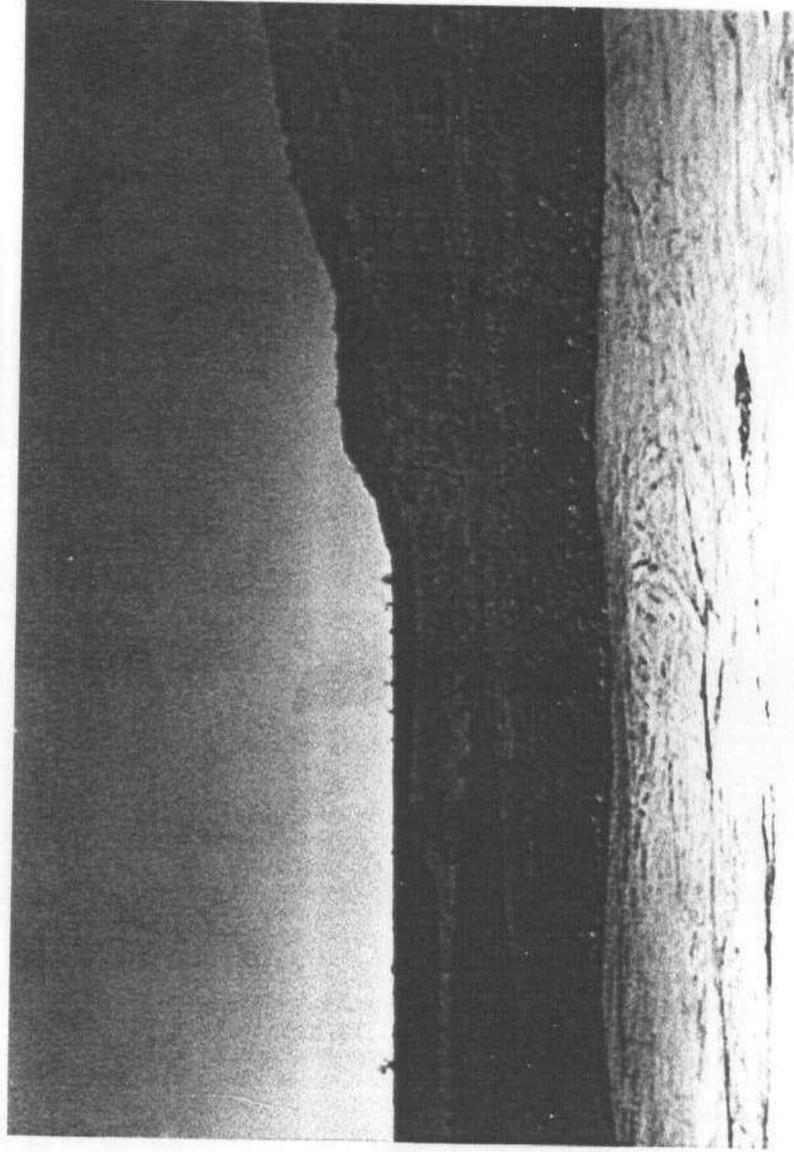
1.1.- CANTERAS DE ARCILLAS



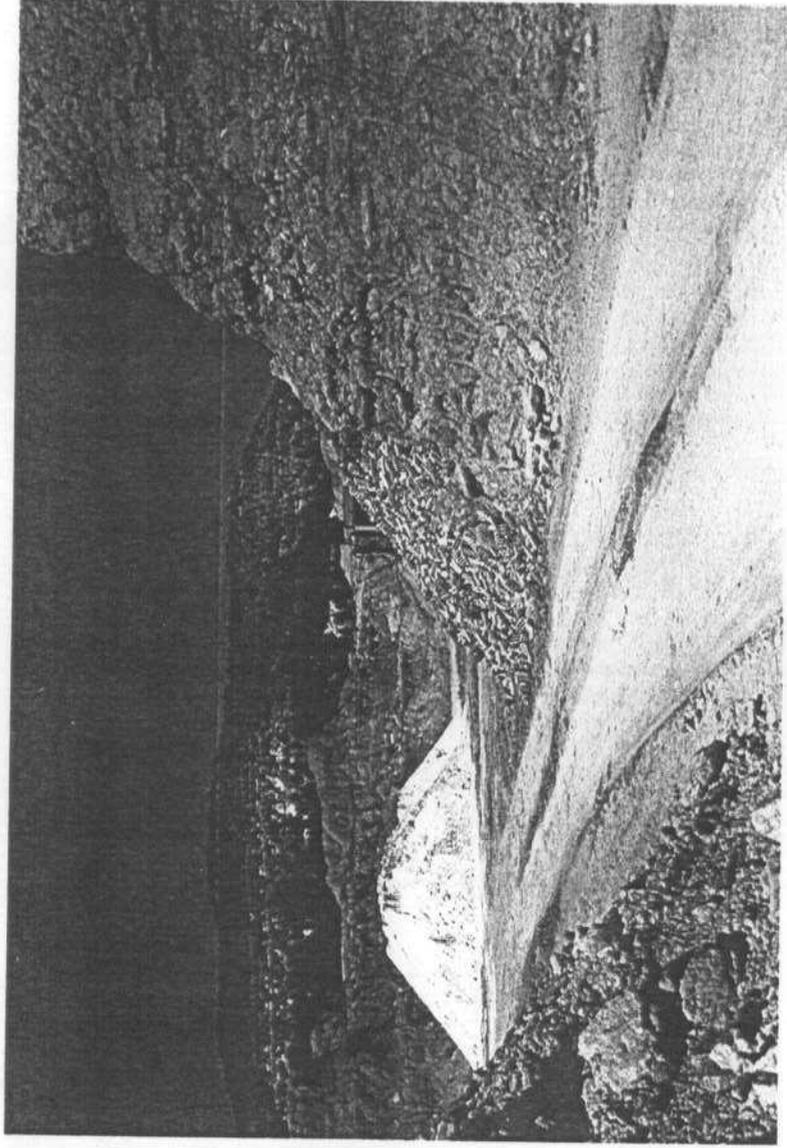
Z-1.- Monte de la Horca



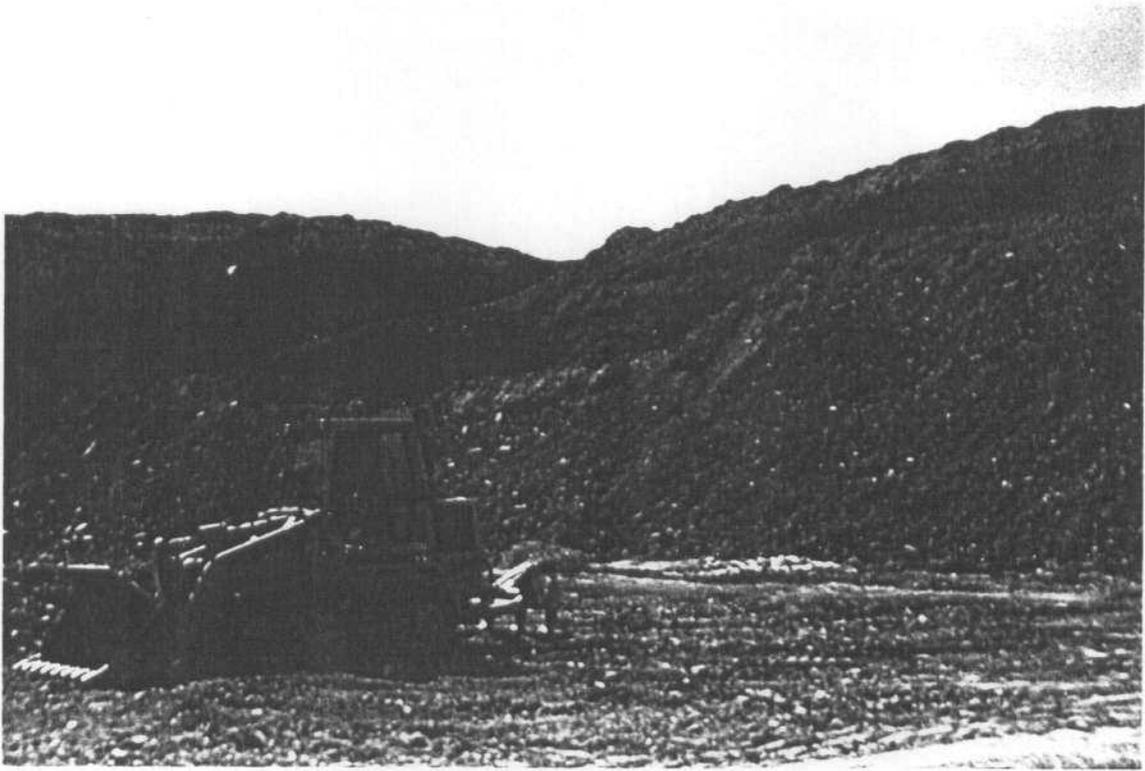
Z-2.- La Carolina



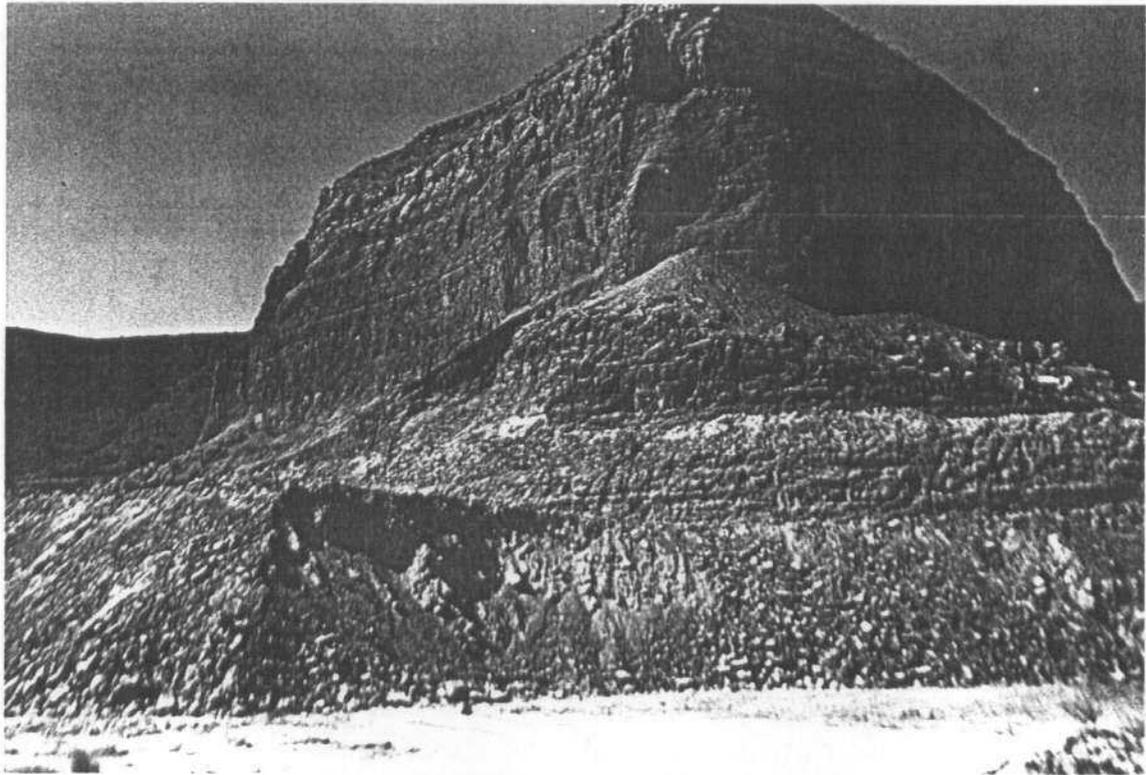
Z-3.- Royal



Z-4.- Acero

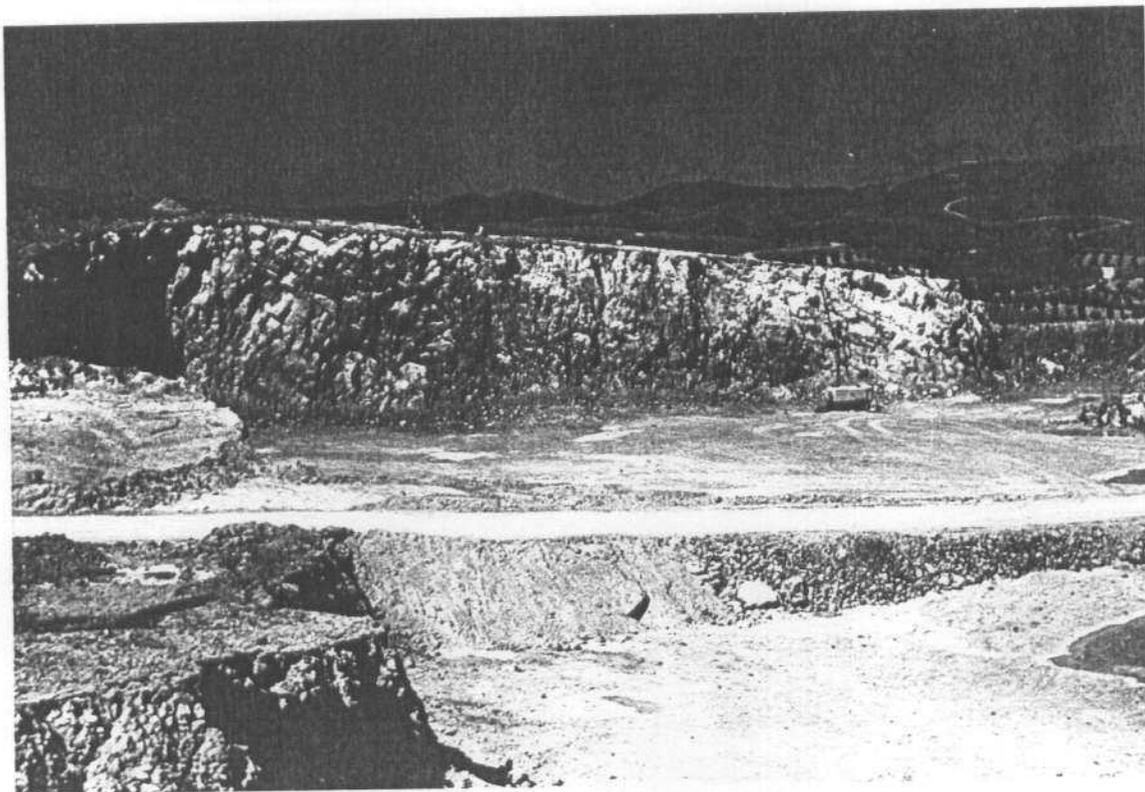


Z-5.- Las Subidas

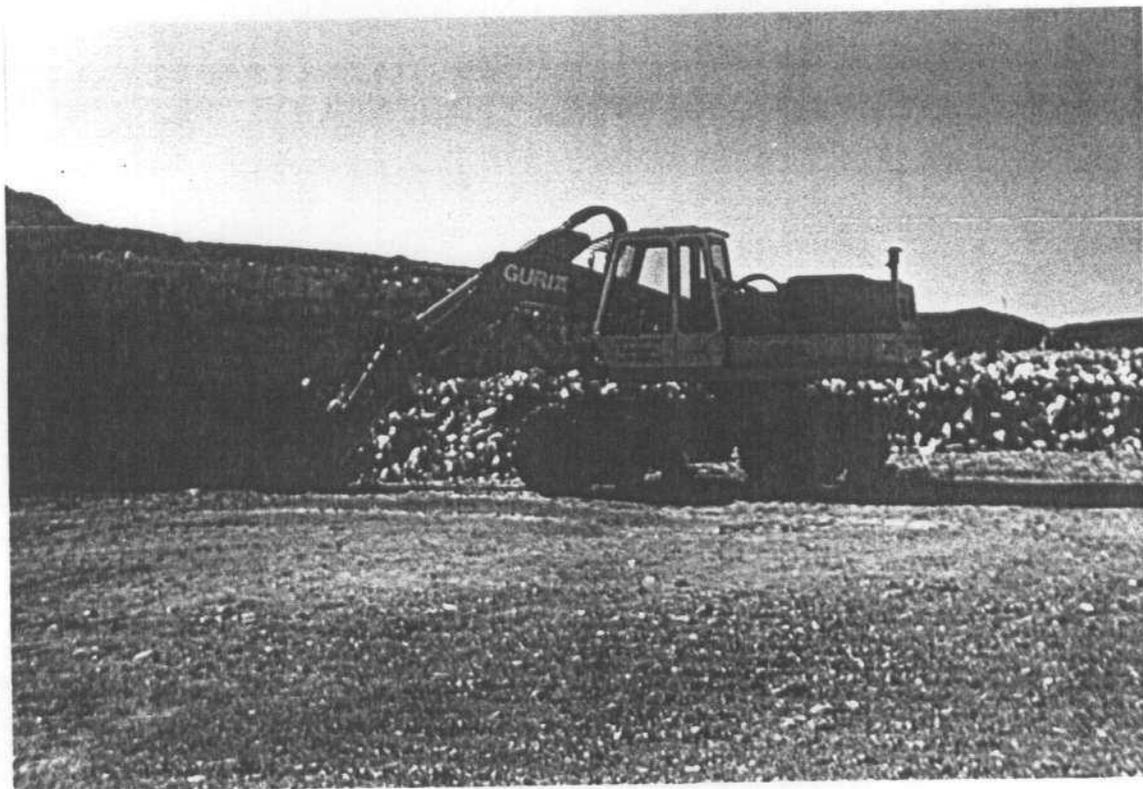


Z-6.- Sorolla

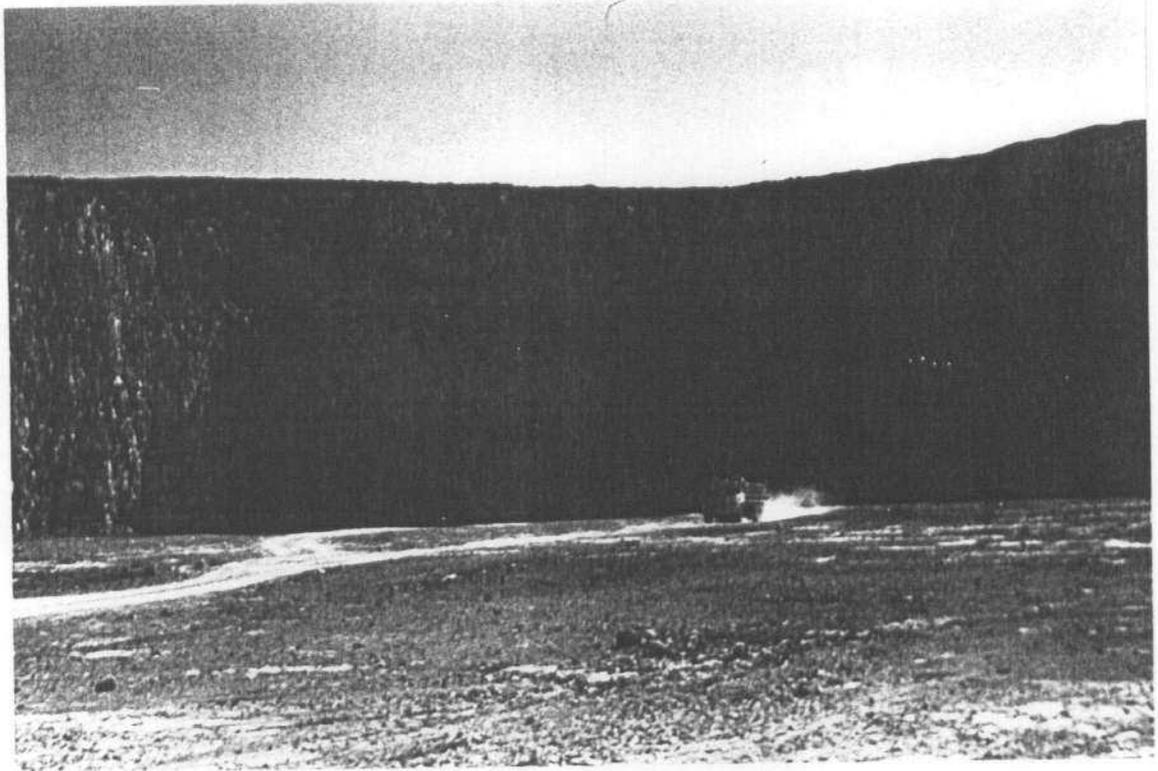
1.2.- CANTERAS DE CALIZAS



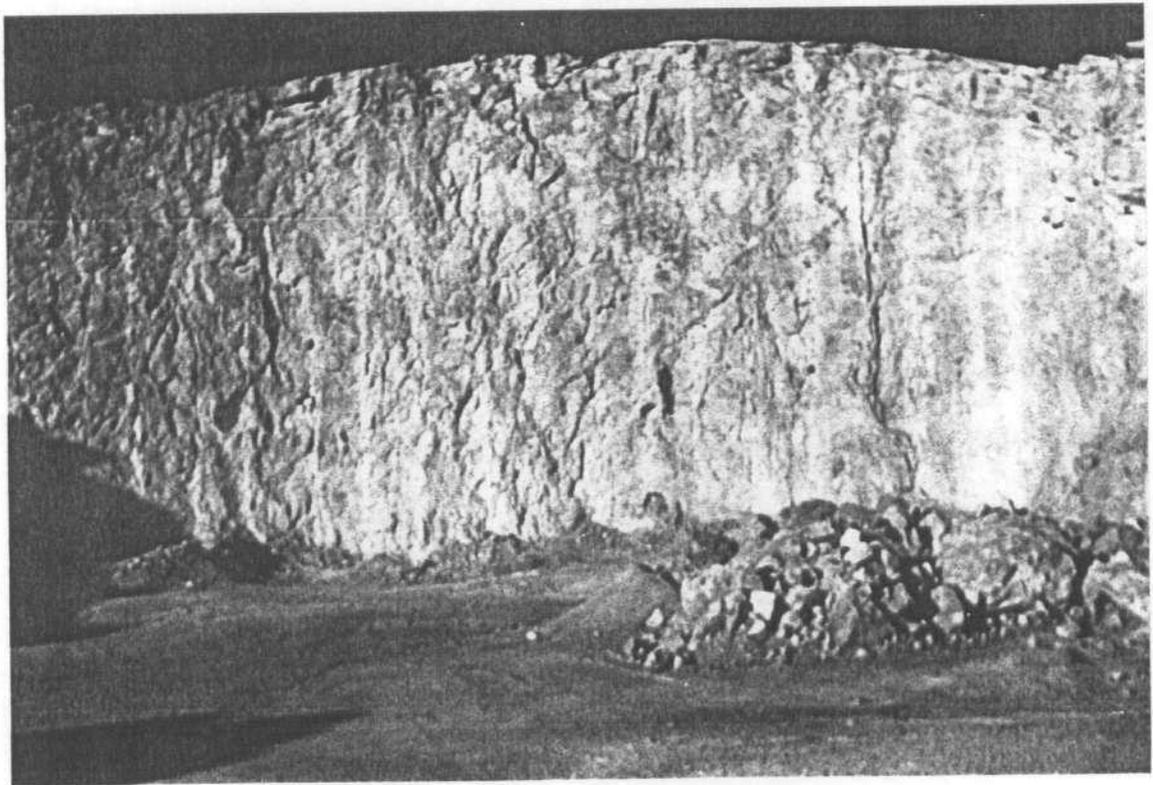
Z-7.- Cementos Morata



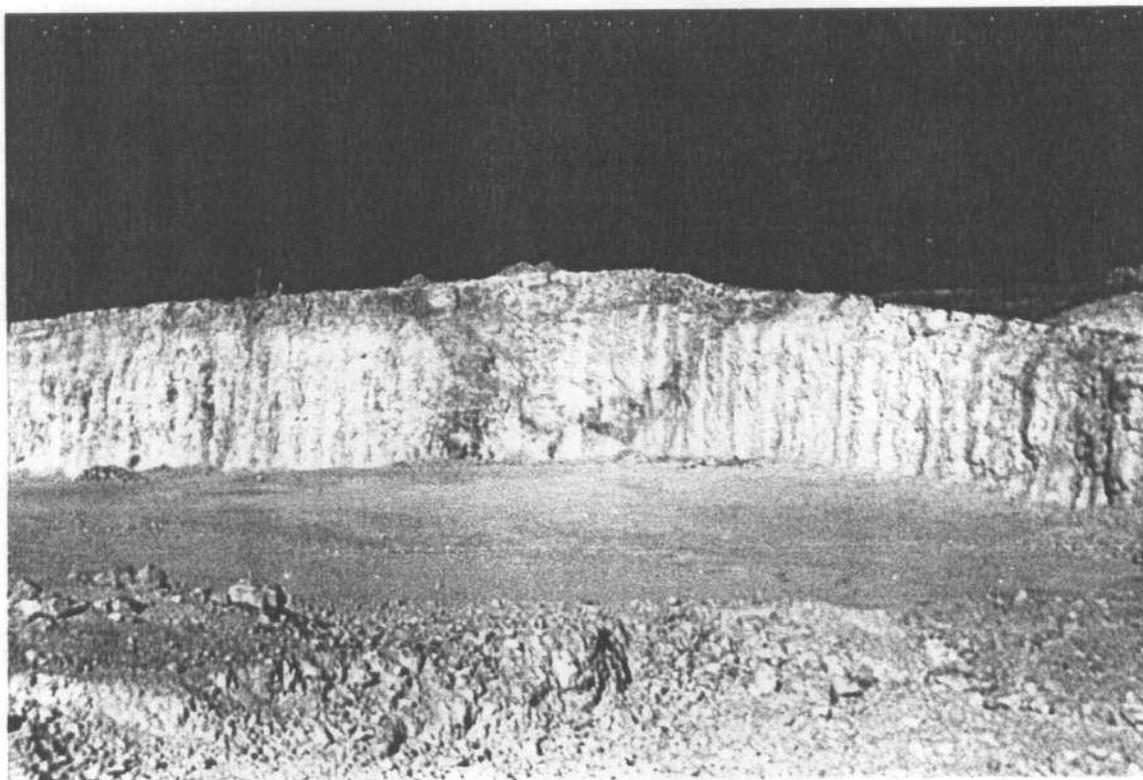
Z-8.- Macondo



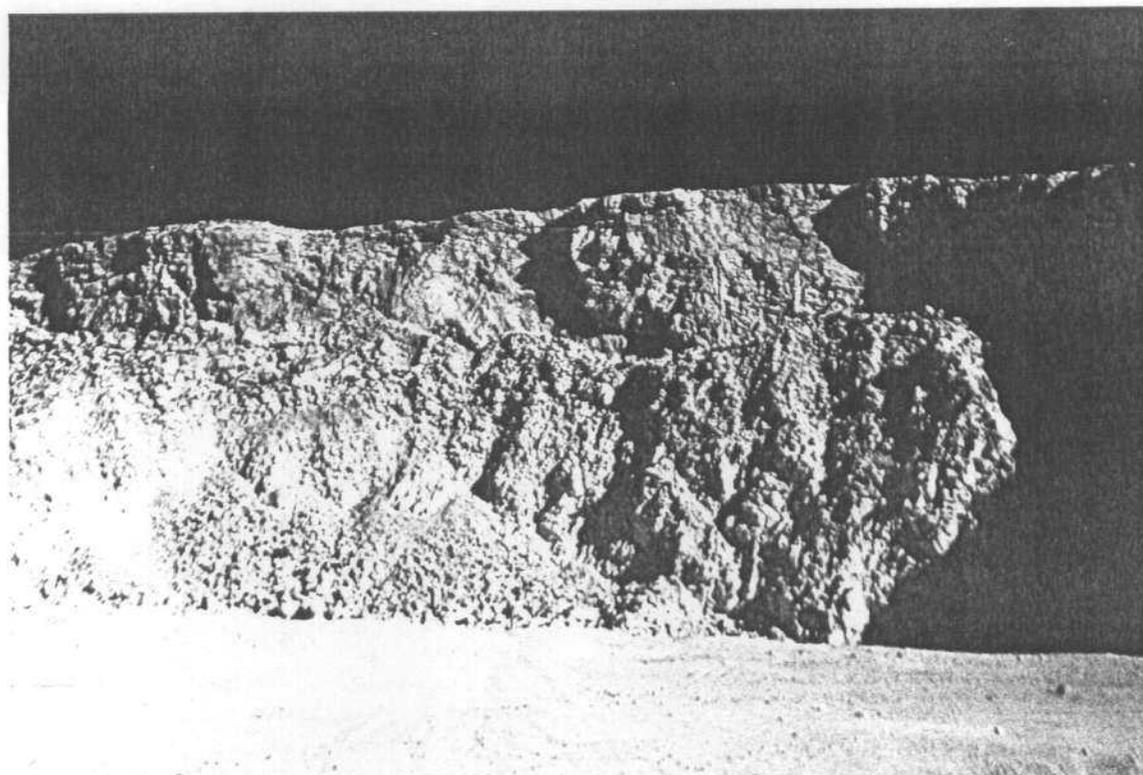
Z-9.- Lolita



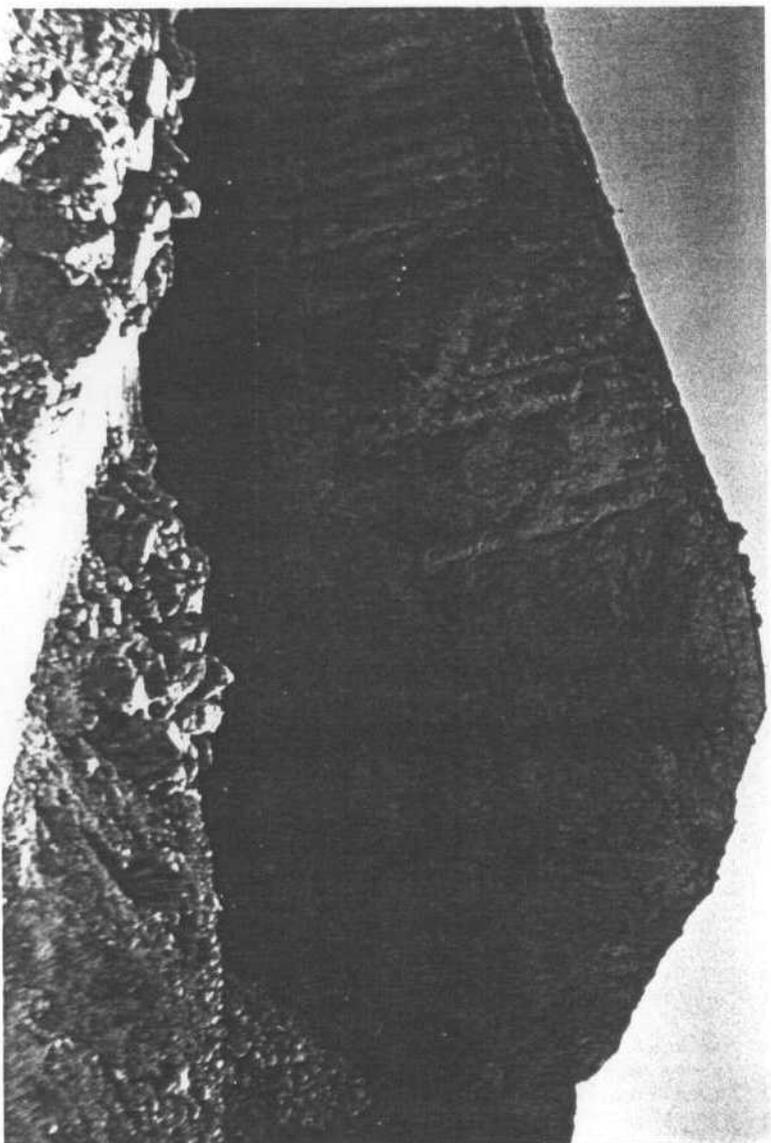
Z-10.- El Focino



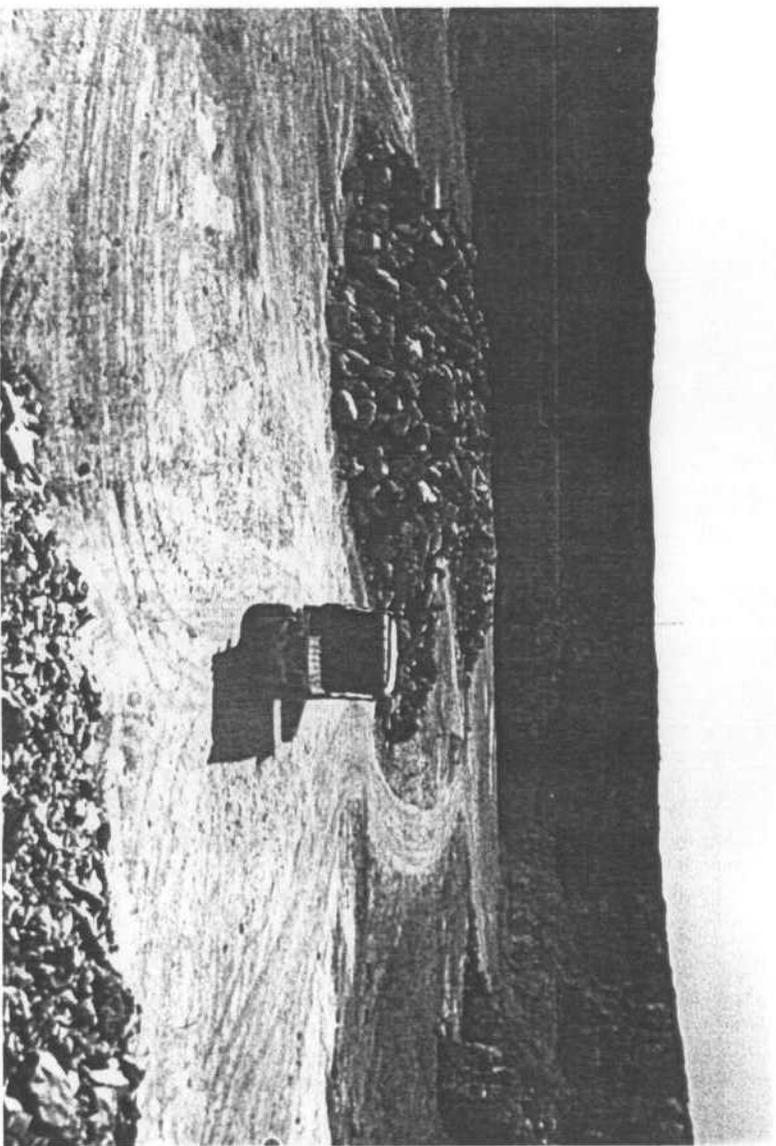
Z-11.- Margarita



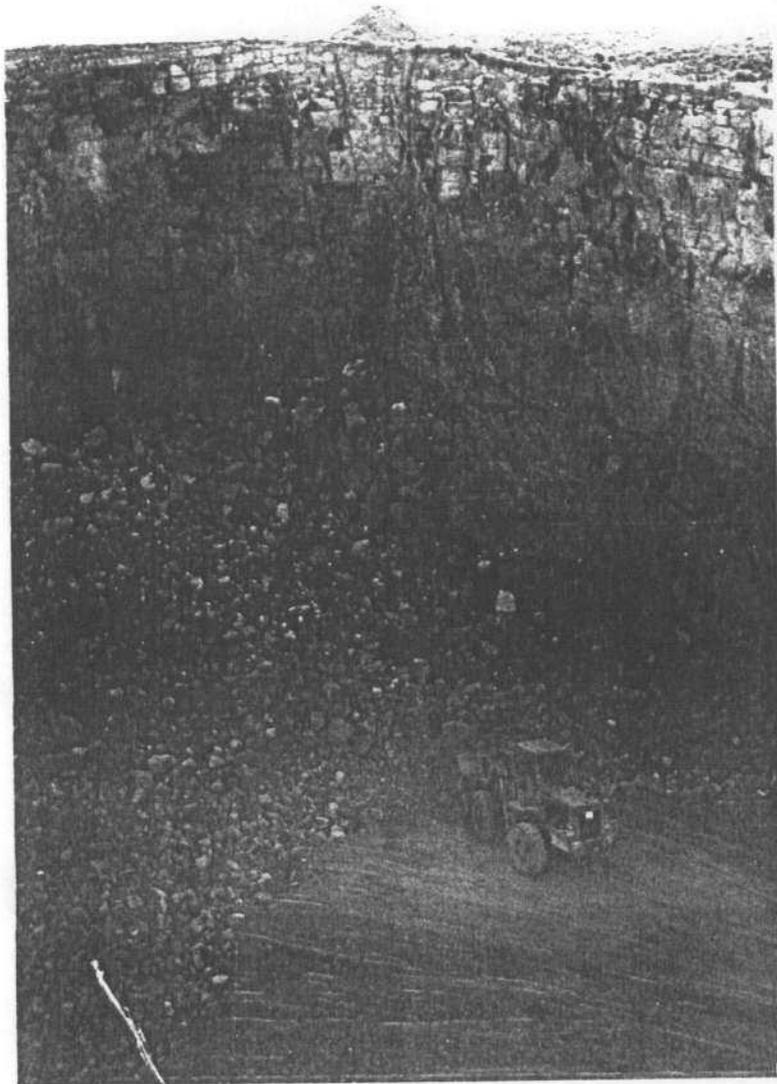
Z-12.- María



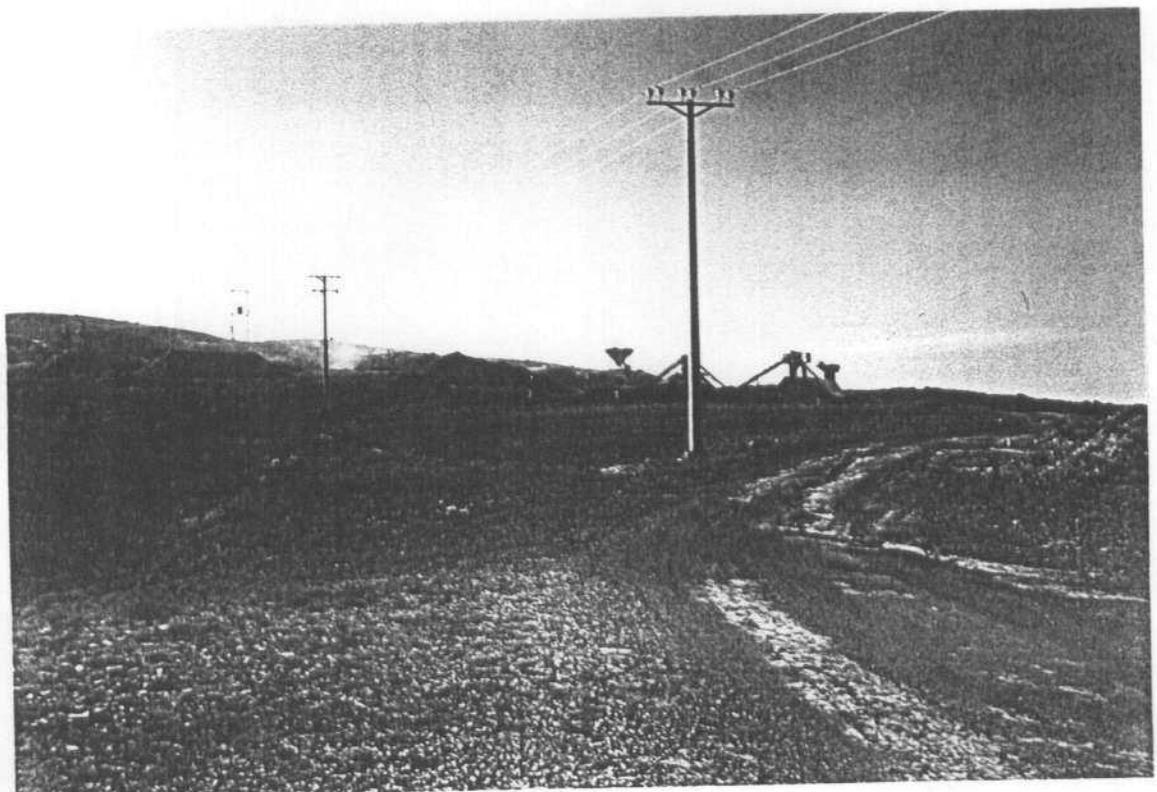
Z-13.- El Bellotar

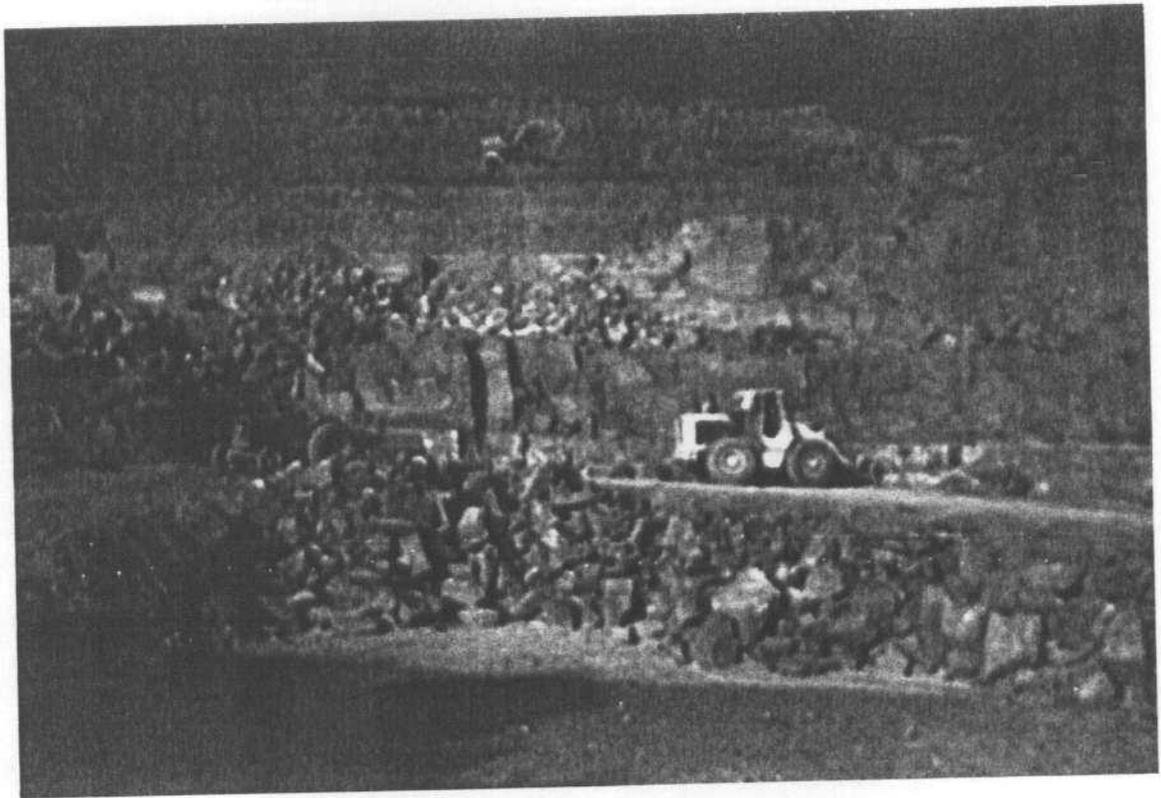


Z-14.- Bulbuyente

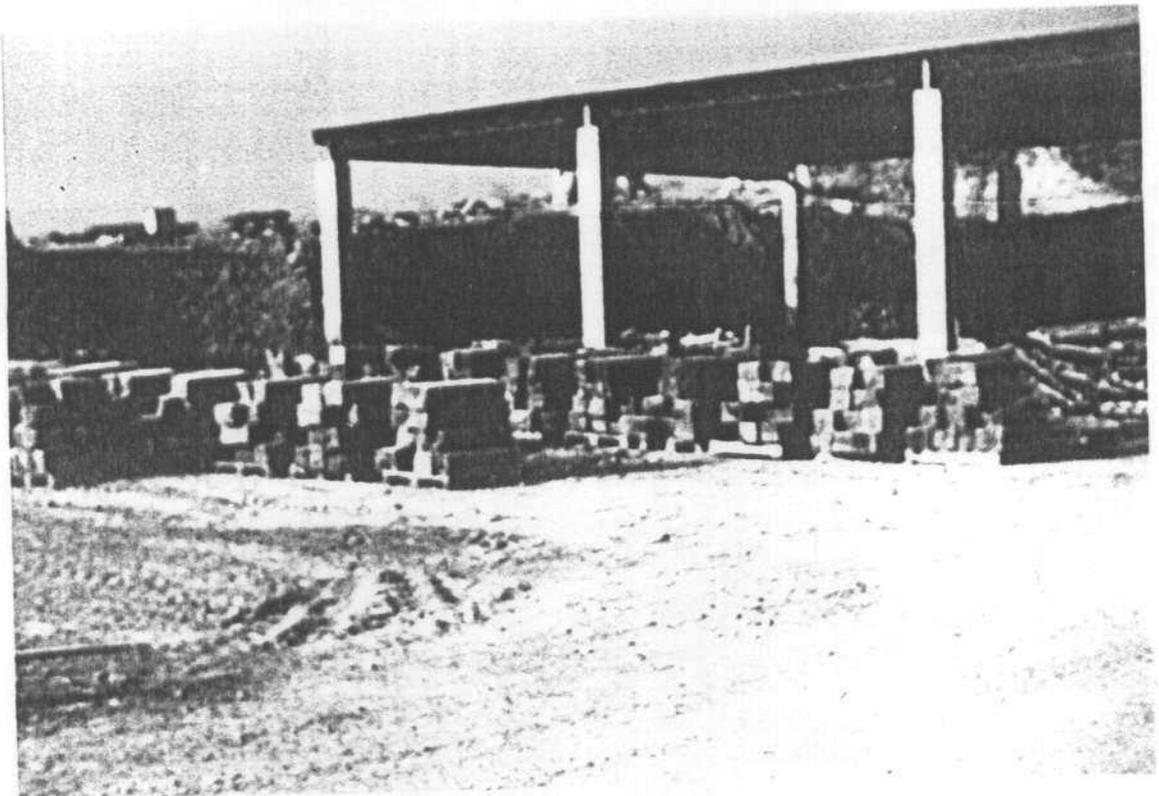


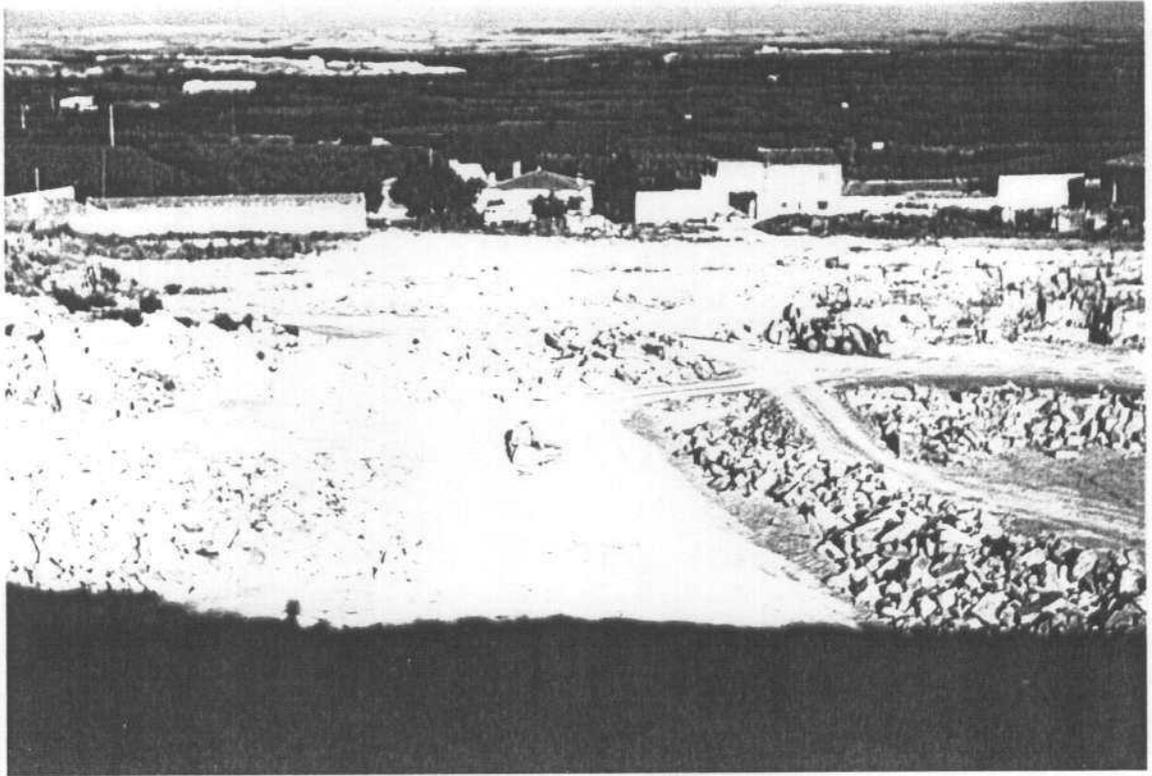
Z-15.-
Los Martínez





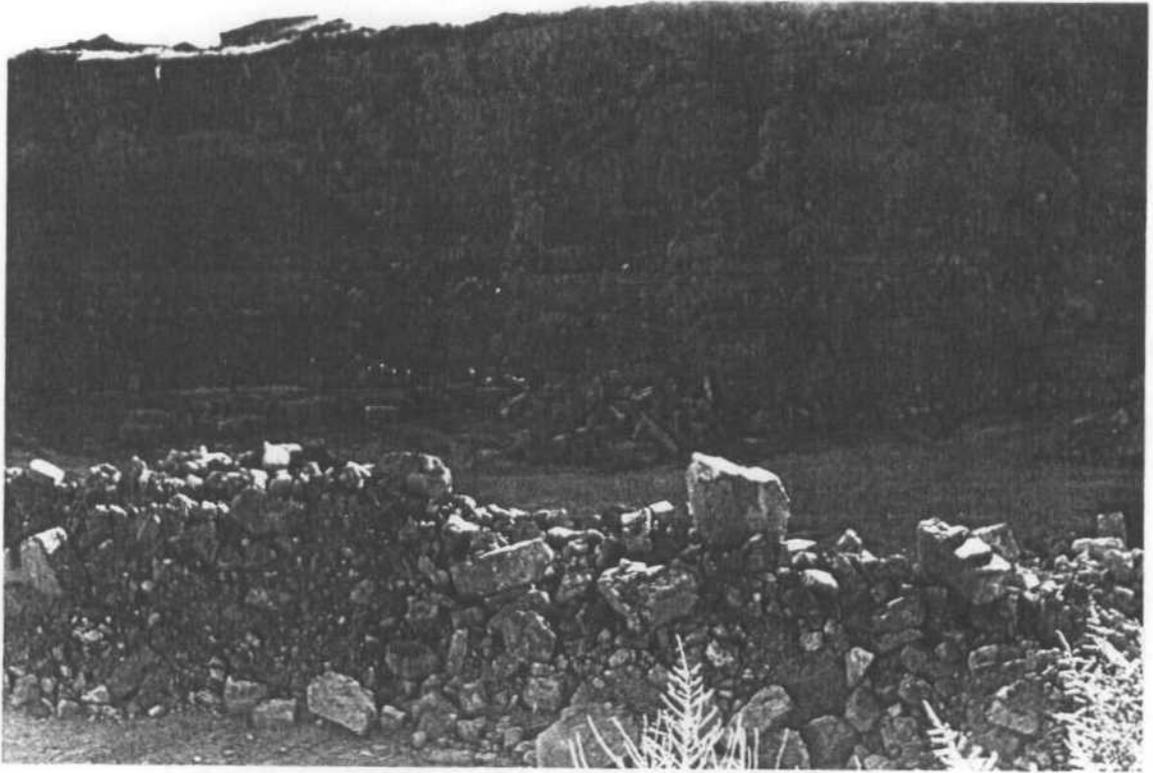
Z-16.- Cabezo Grande





Z-17.- Cantería Industrial



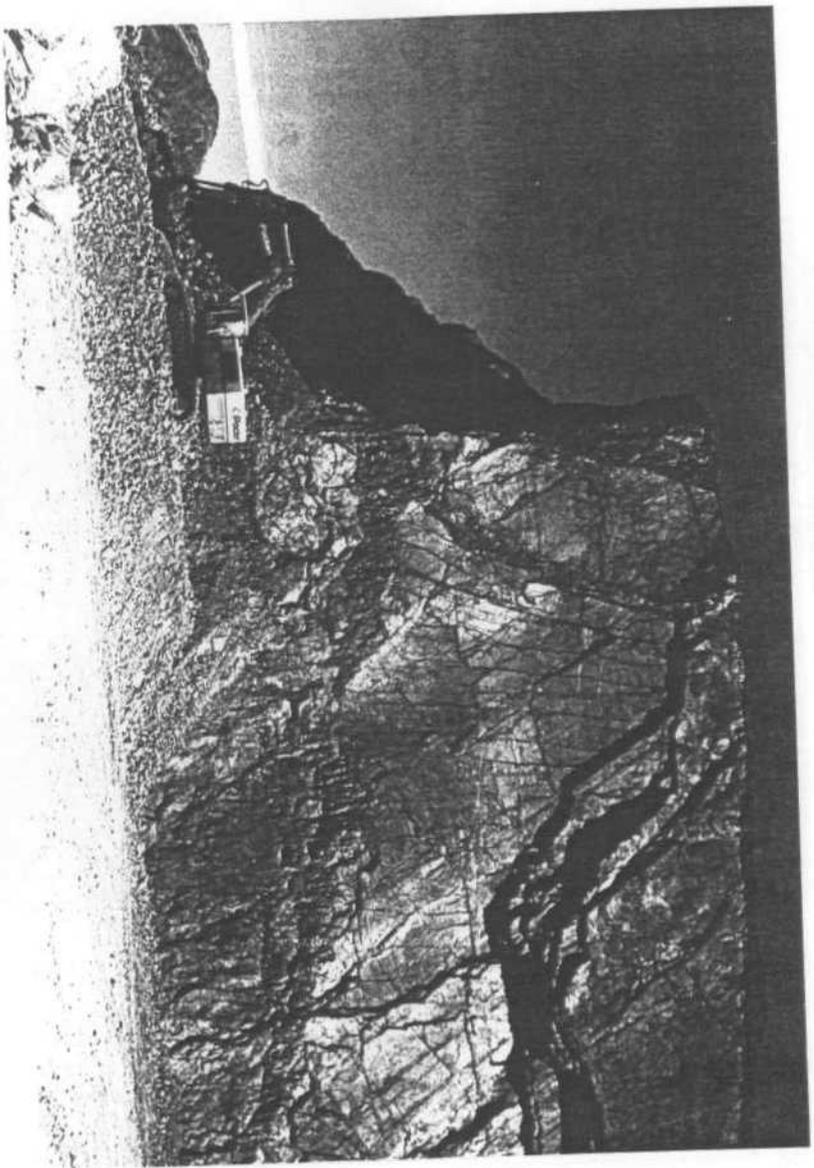


Z-18.- El Romeral

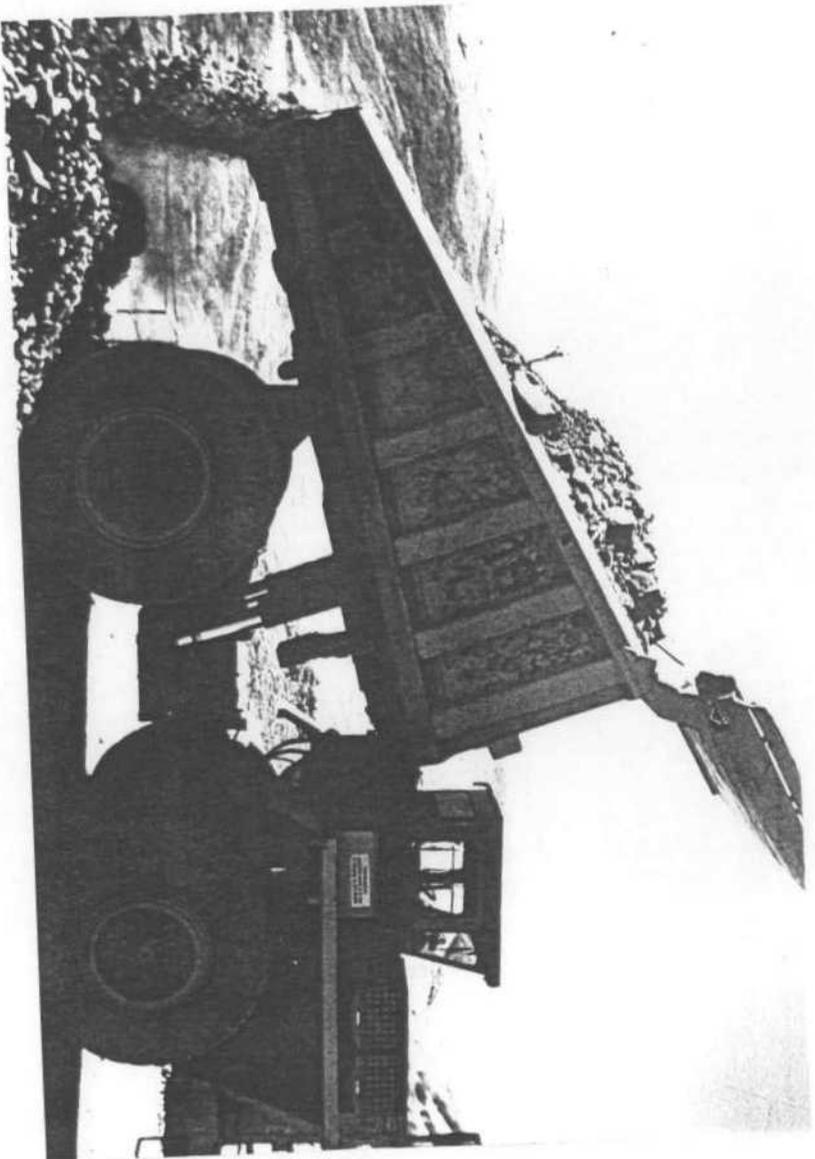


Z-19.-
Las Zorreras

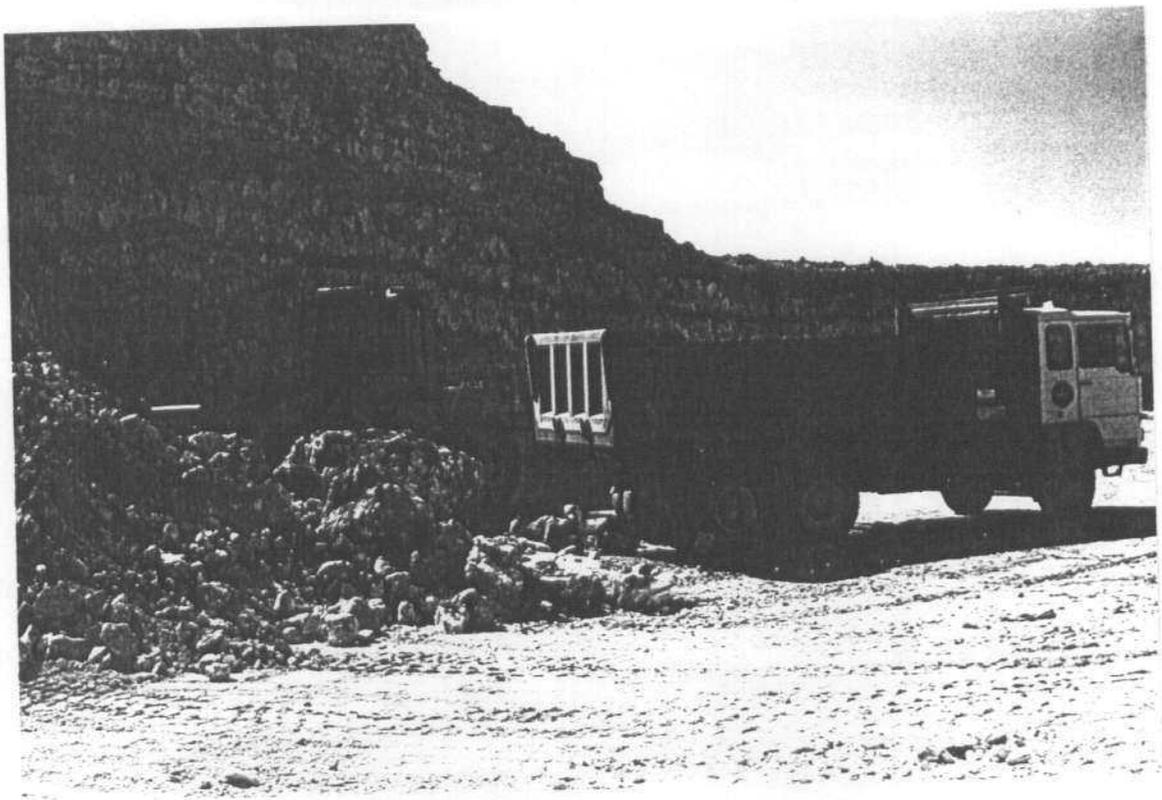
1.3.- CANTERAS DE CUARCITA



Z-20.- La Toria

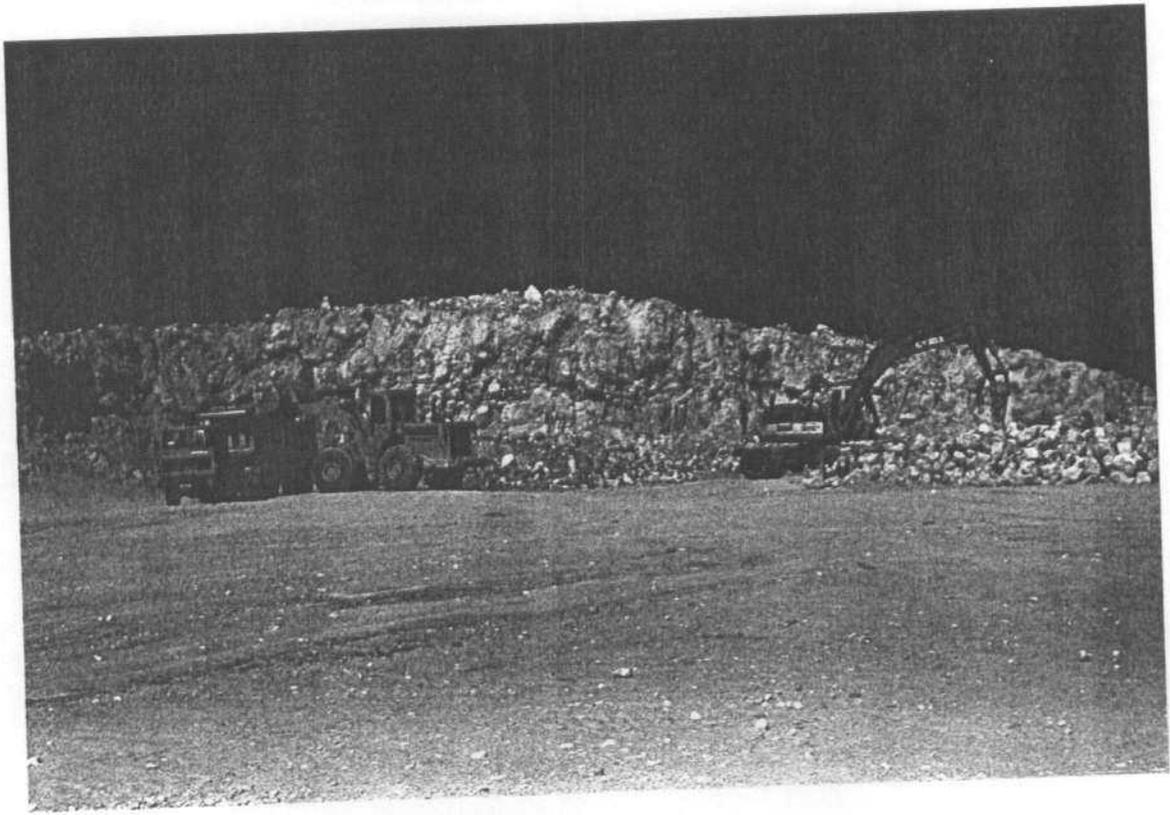


1.4.- CANTERAS DE YESO Y ALABASTRO

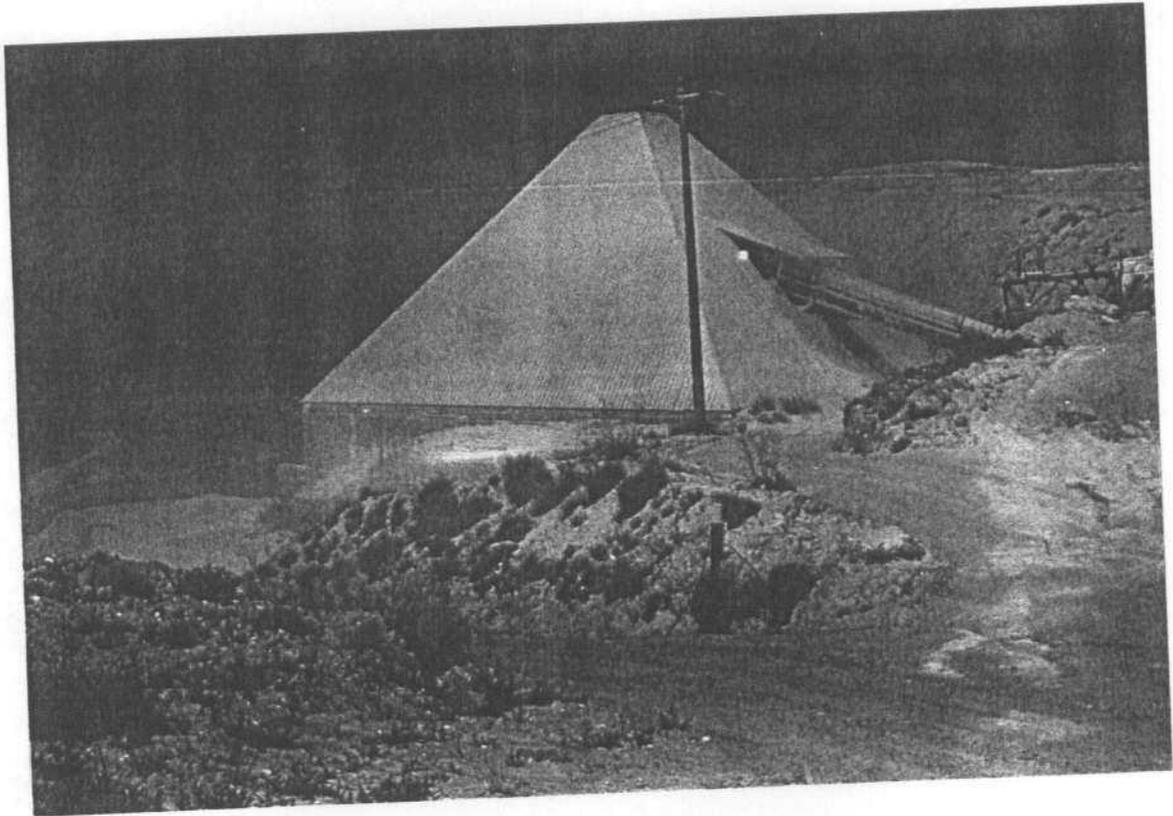


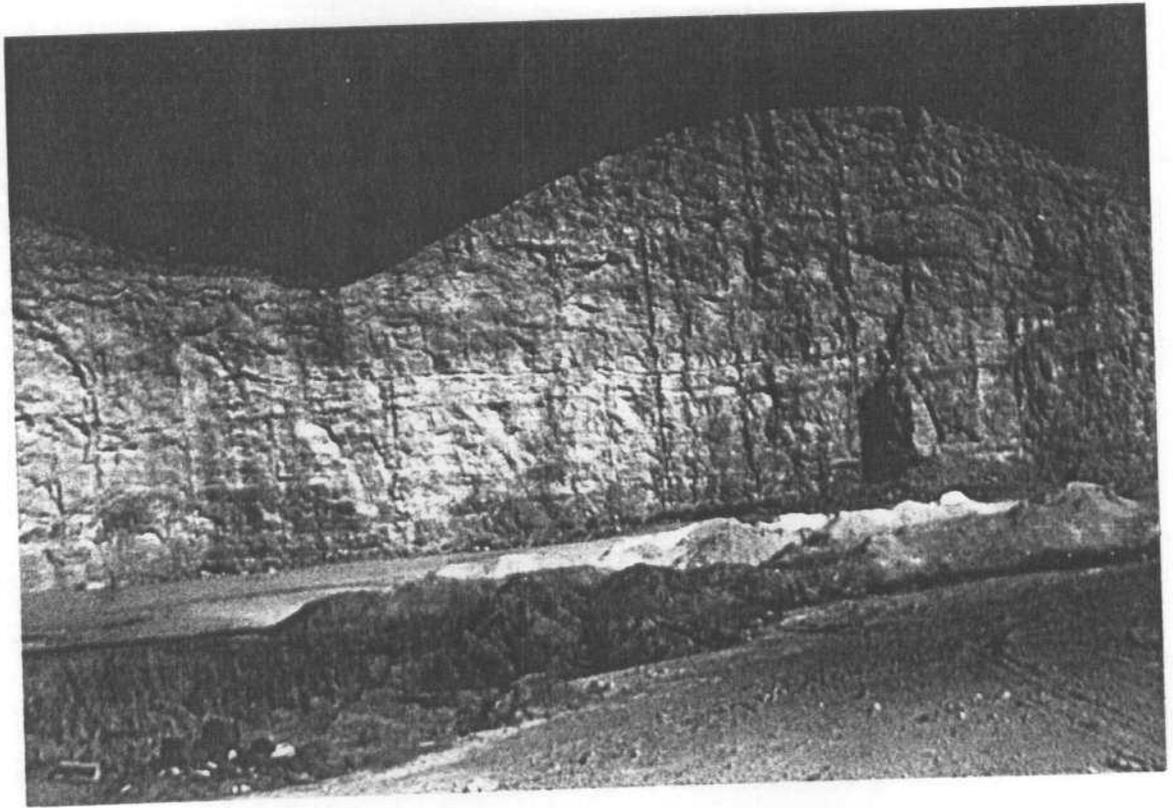
Z-21.- Epysa II





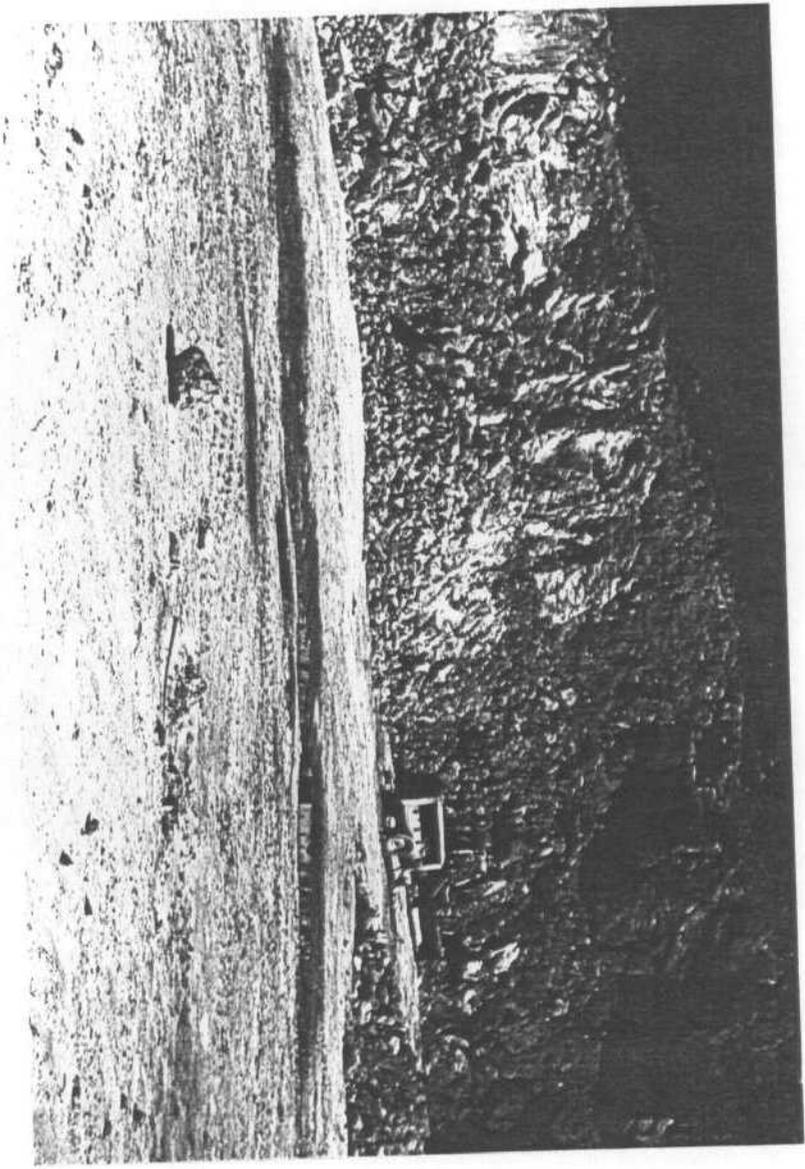
Z-22.- Yesos Alfa



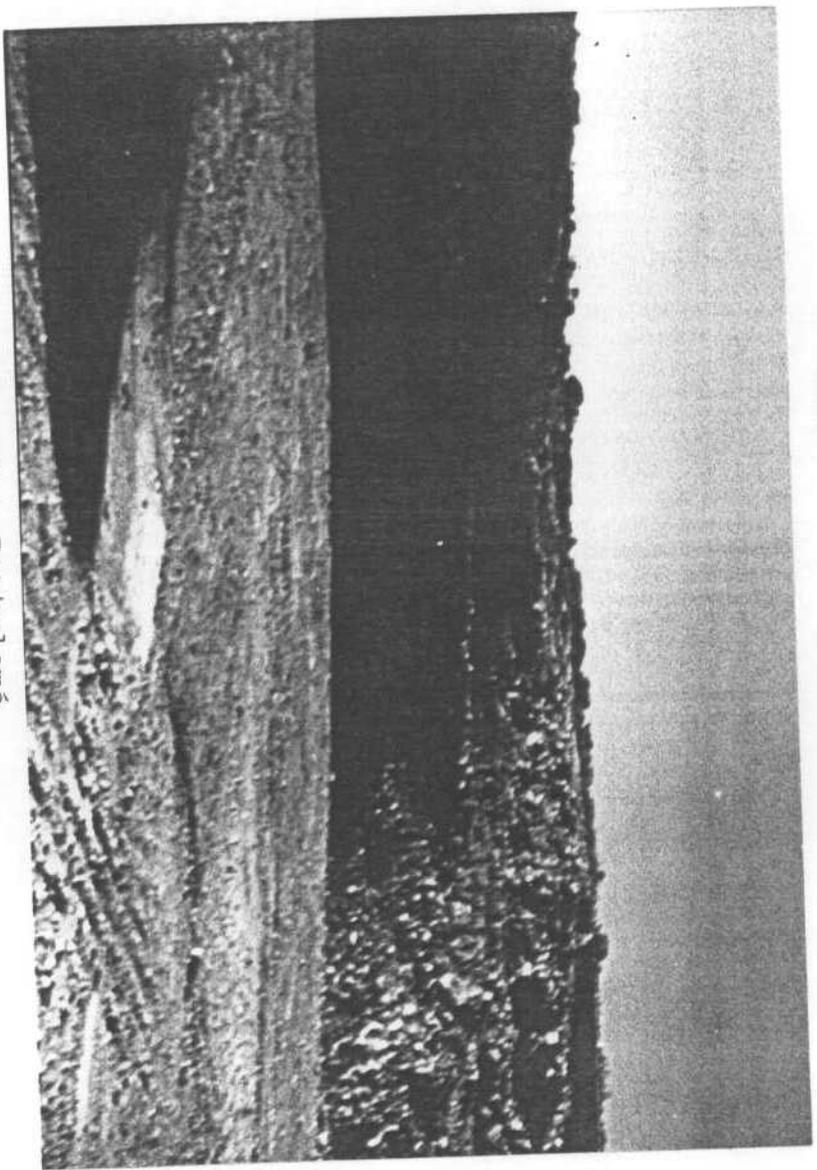


Z-23.- Val del Cementerio

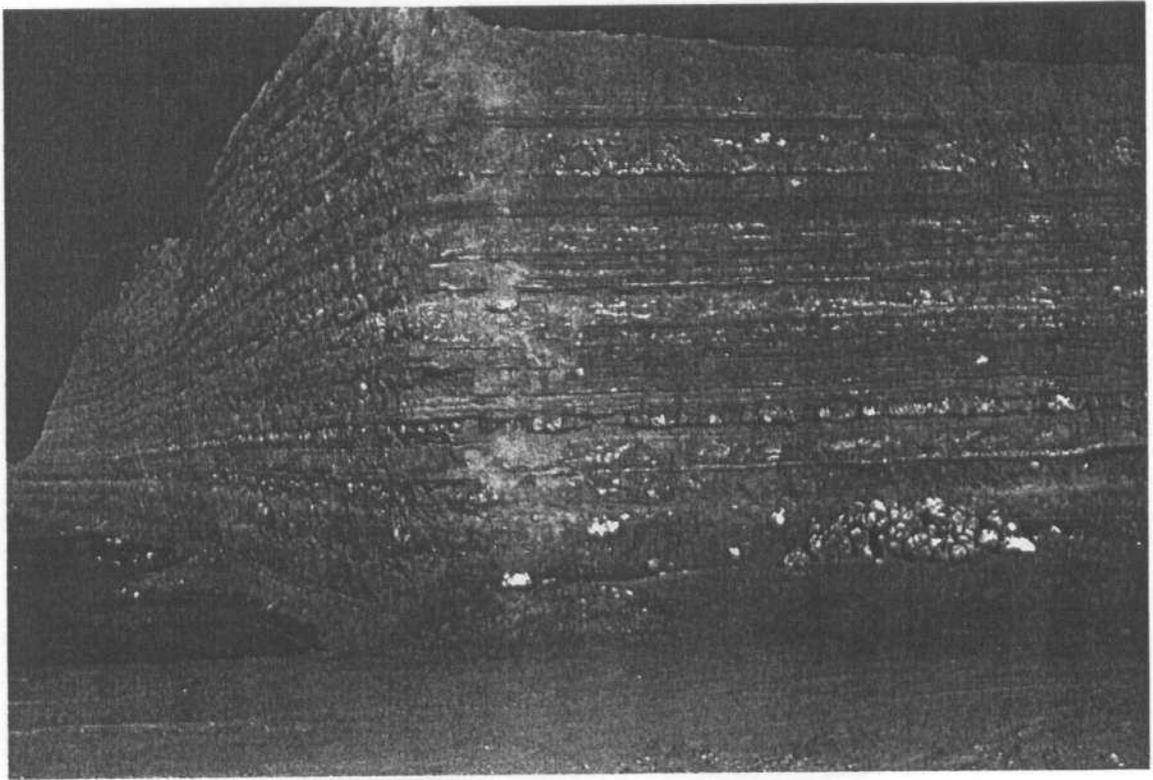




Z-24.- Las Torcas



Z-25.- San Bartolomé



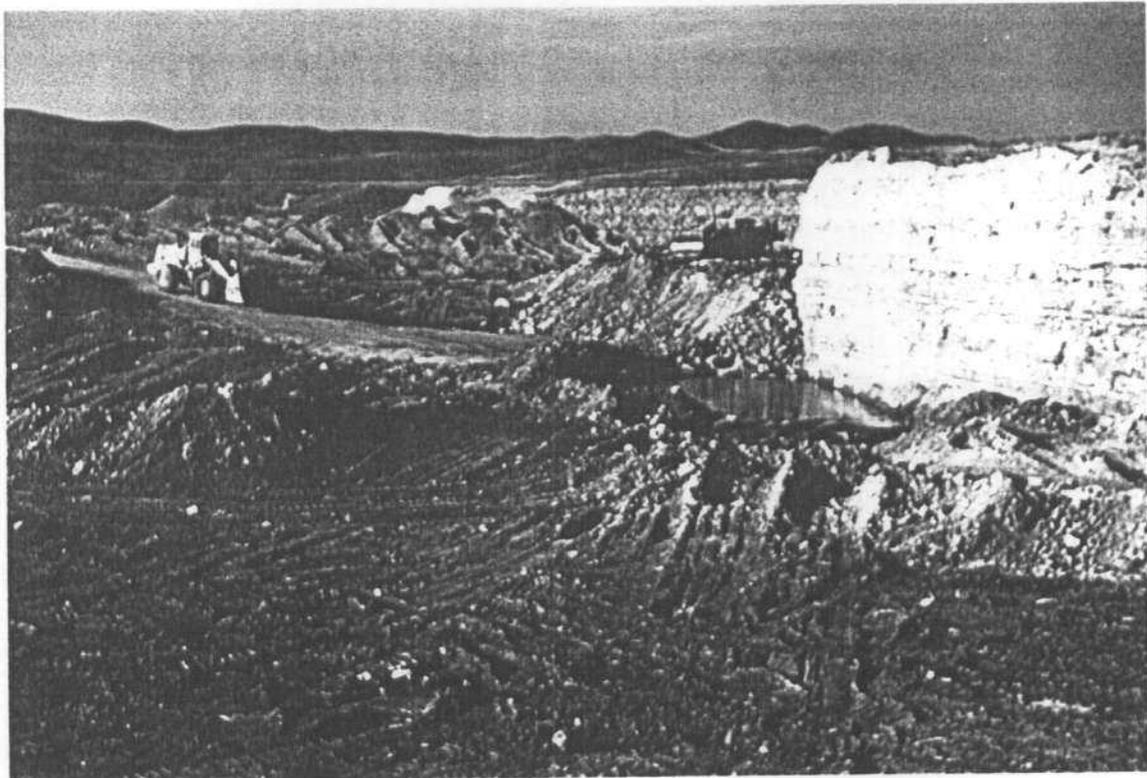
Z-26.- Blanca



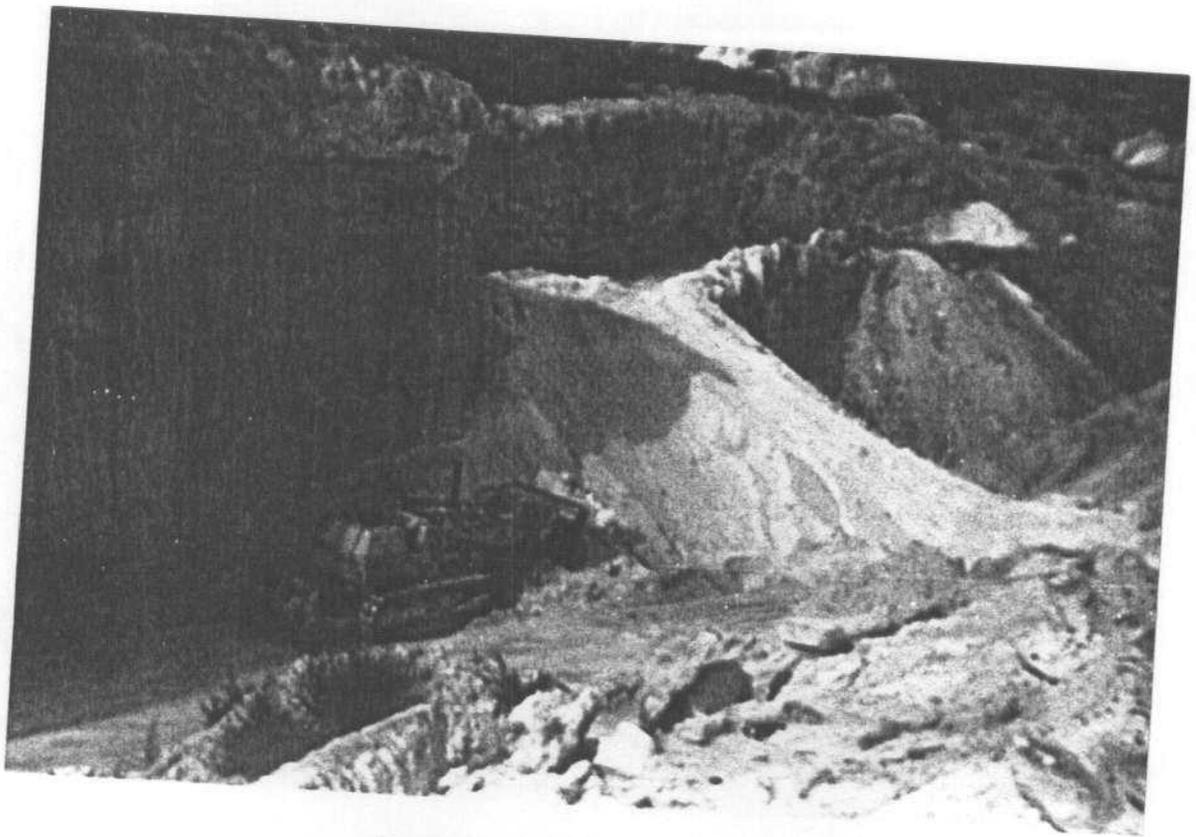
Z-27.- Gros



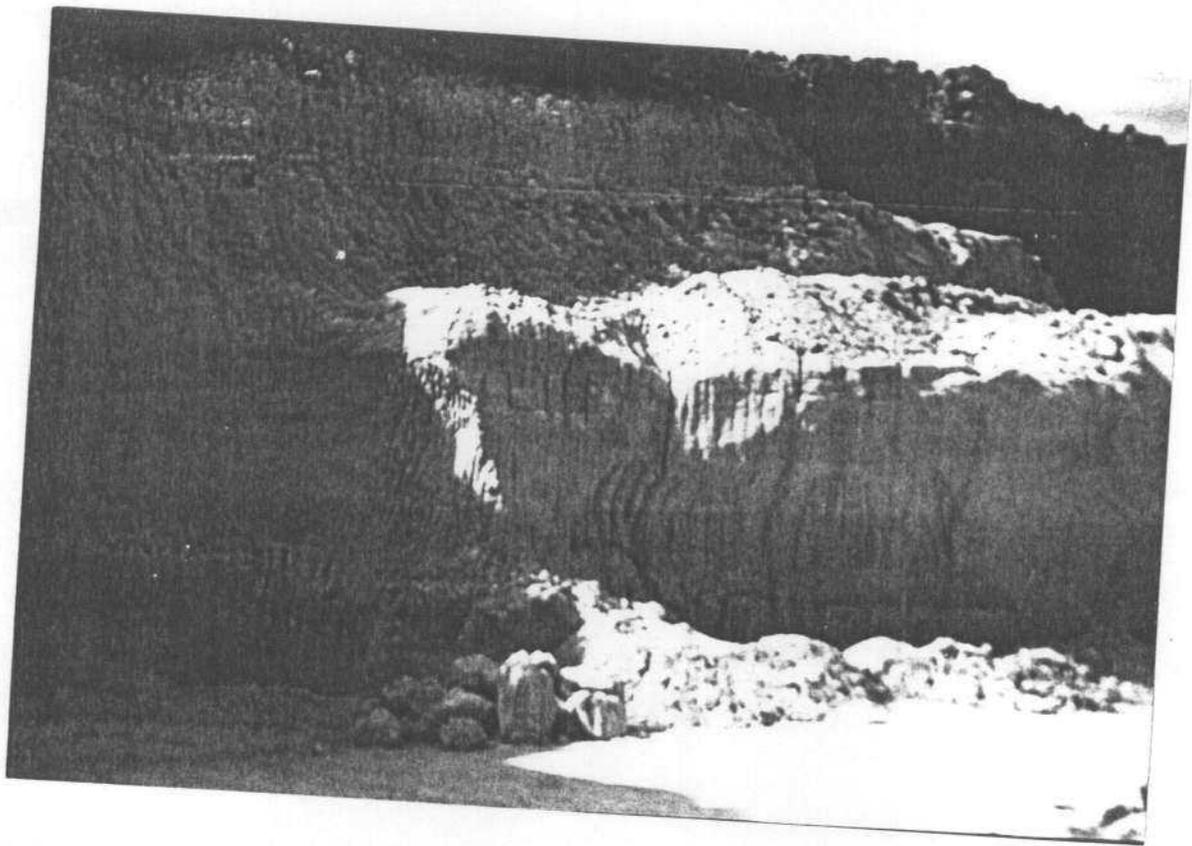
Z-28.- clara



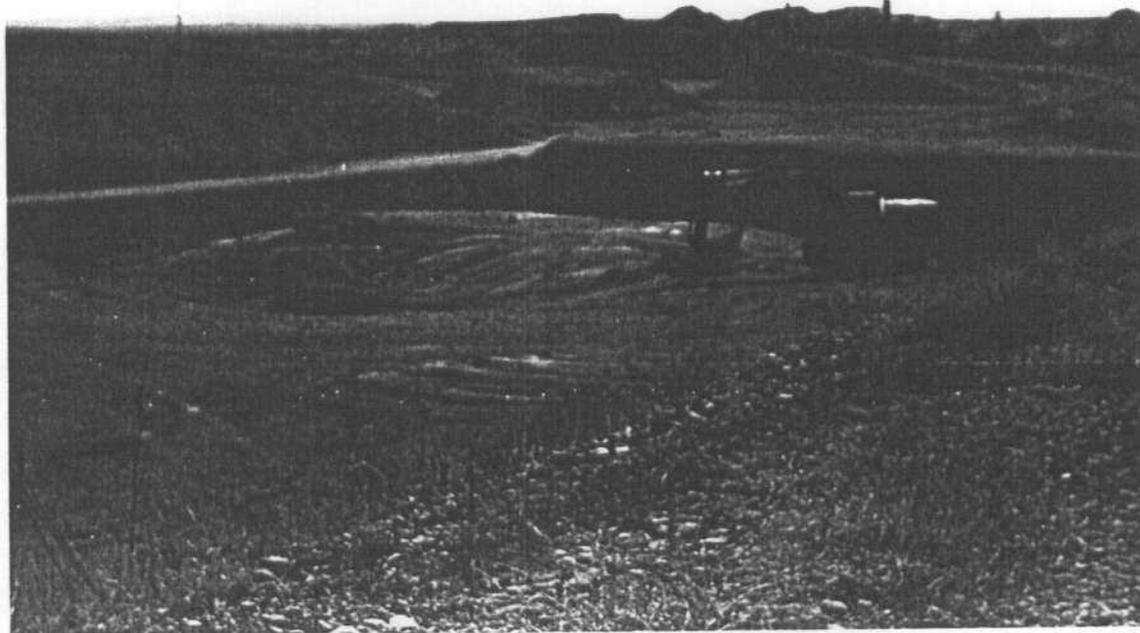
1.5.- CANTERAS DE ARENA



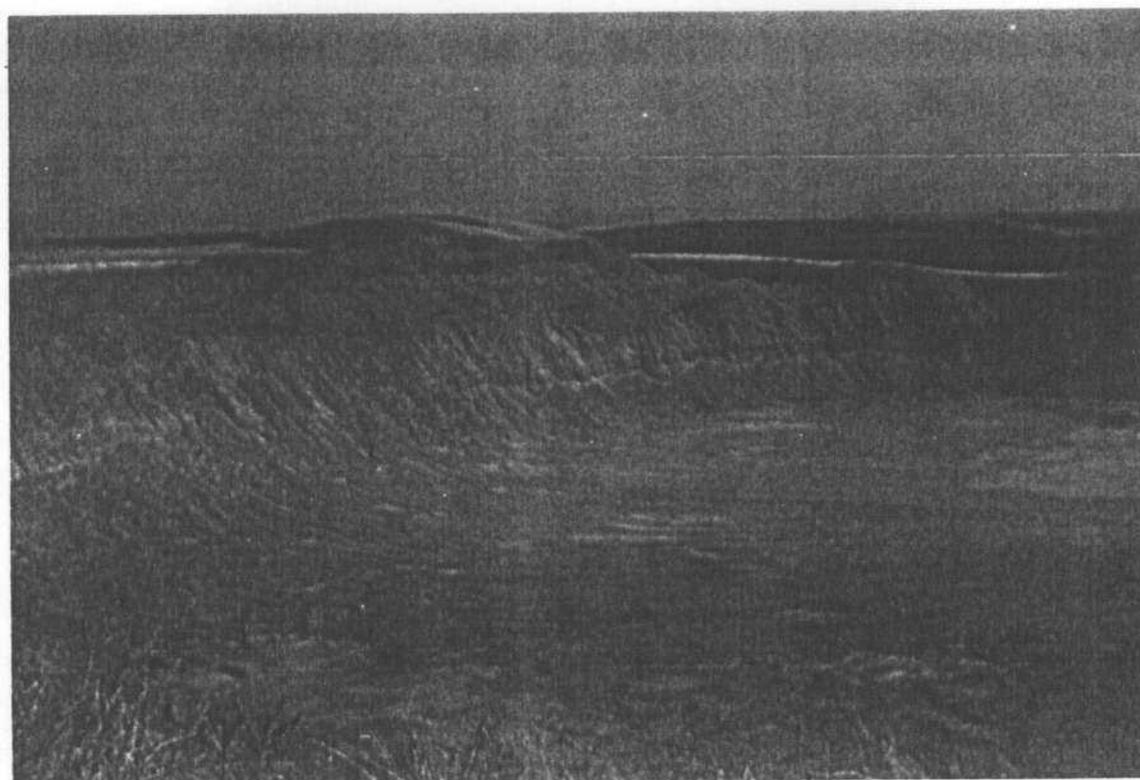
Z-29.- San Pedro

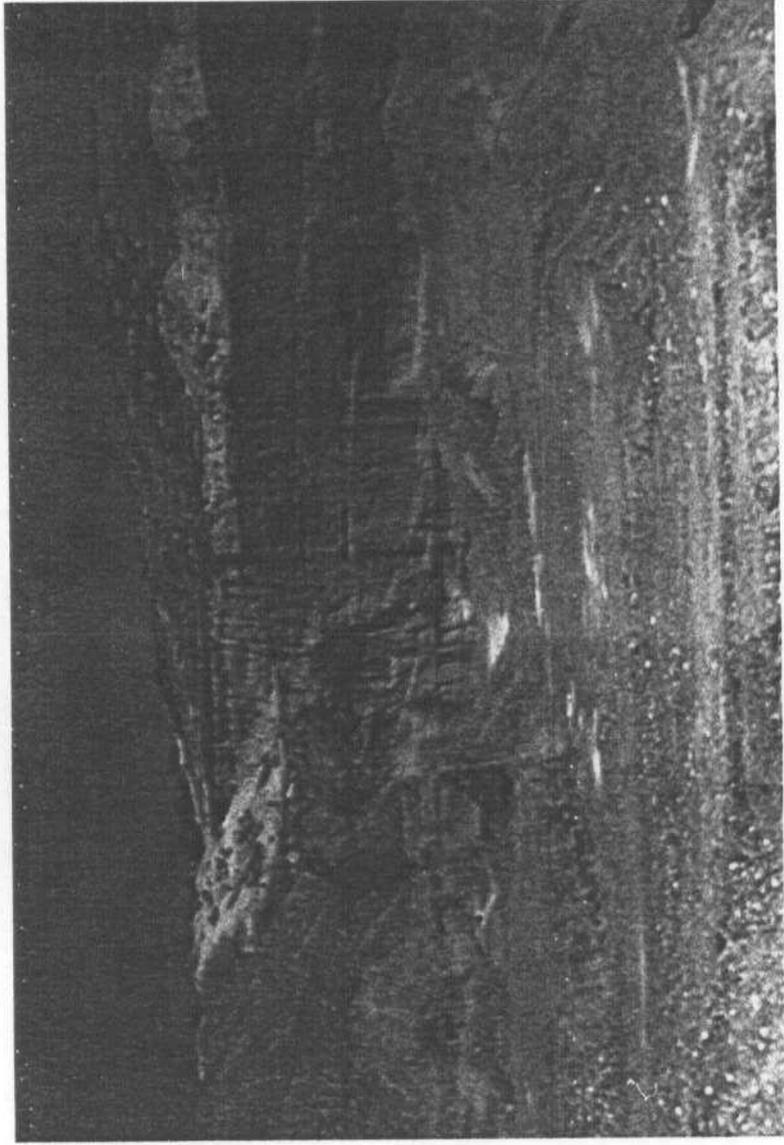


1.6.- CANTERAS DE ARIDOS NATURALES

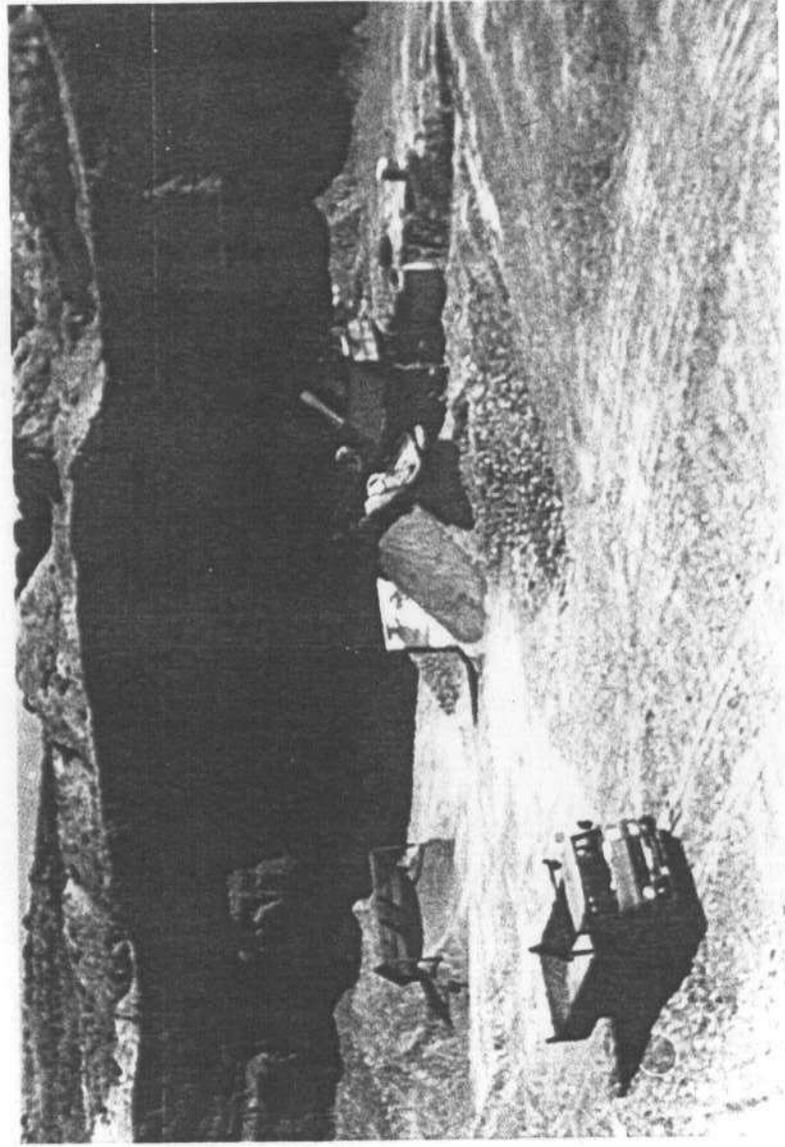


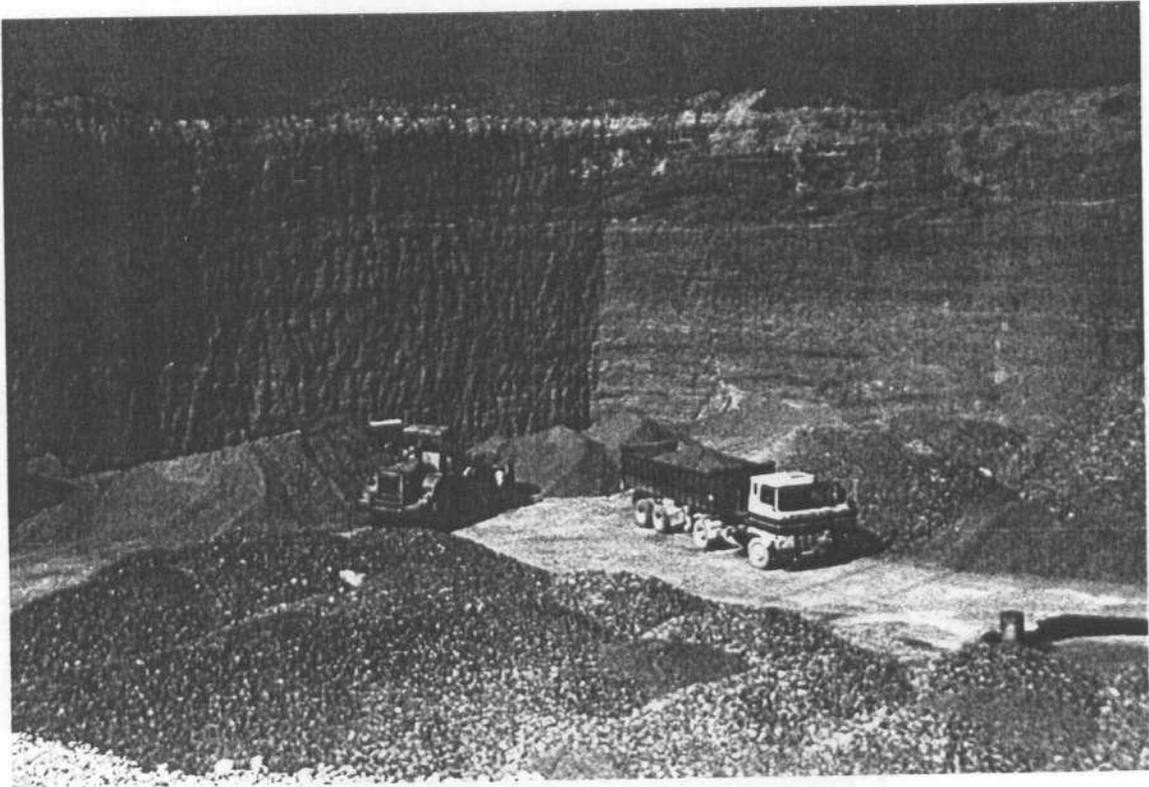
Z-30.- La Longatera



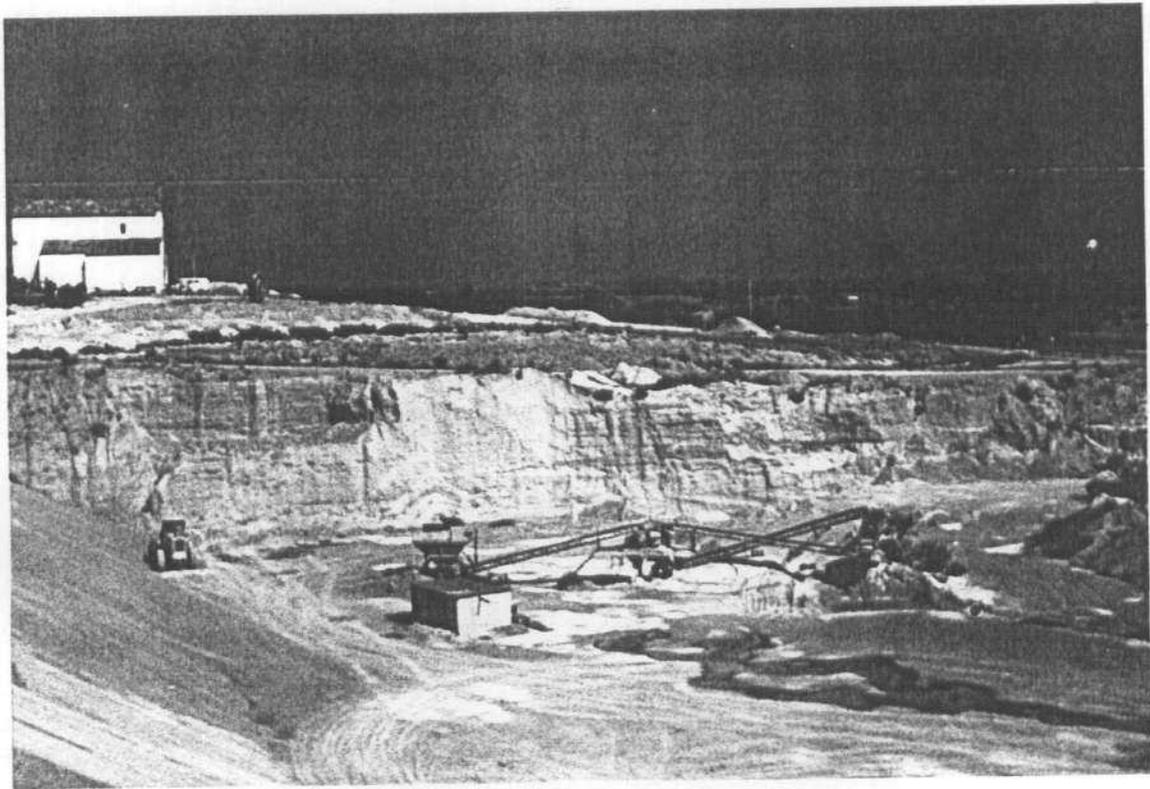


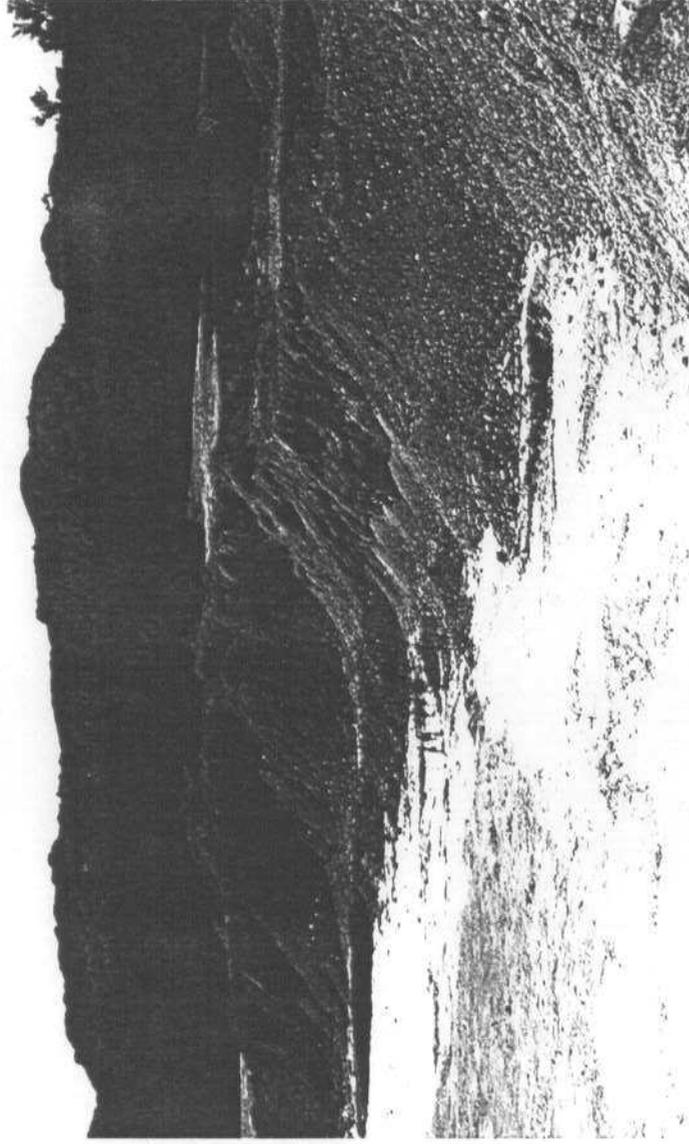
Z-31.- Barboles



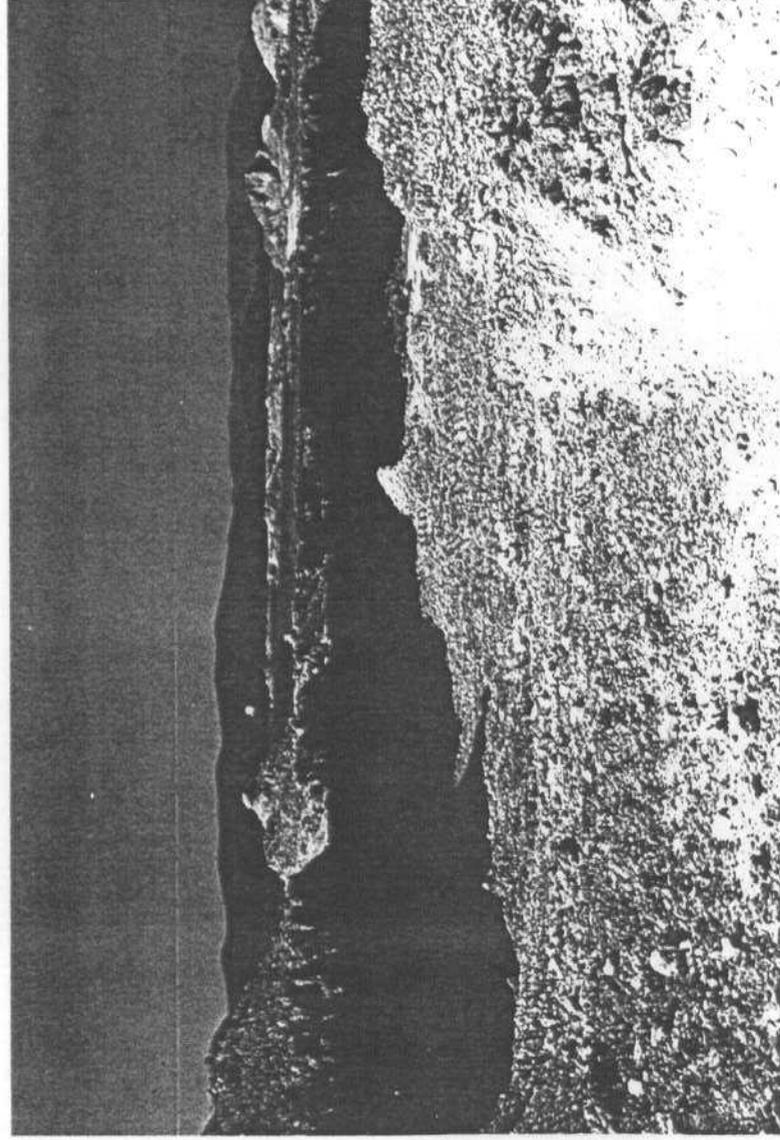


Z-32.- Camast



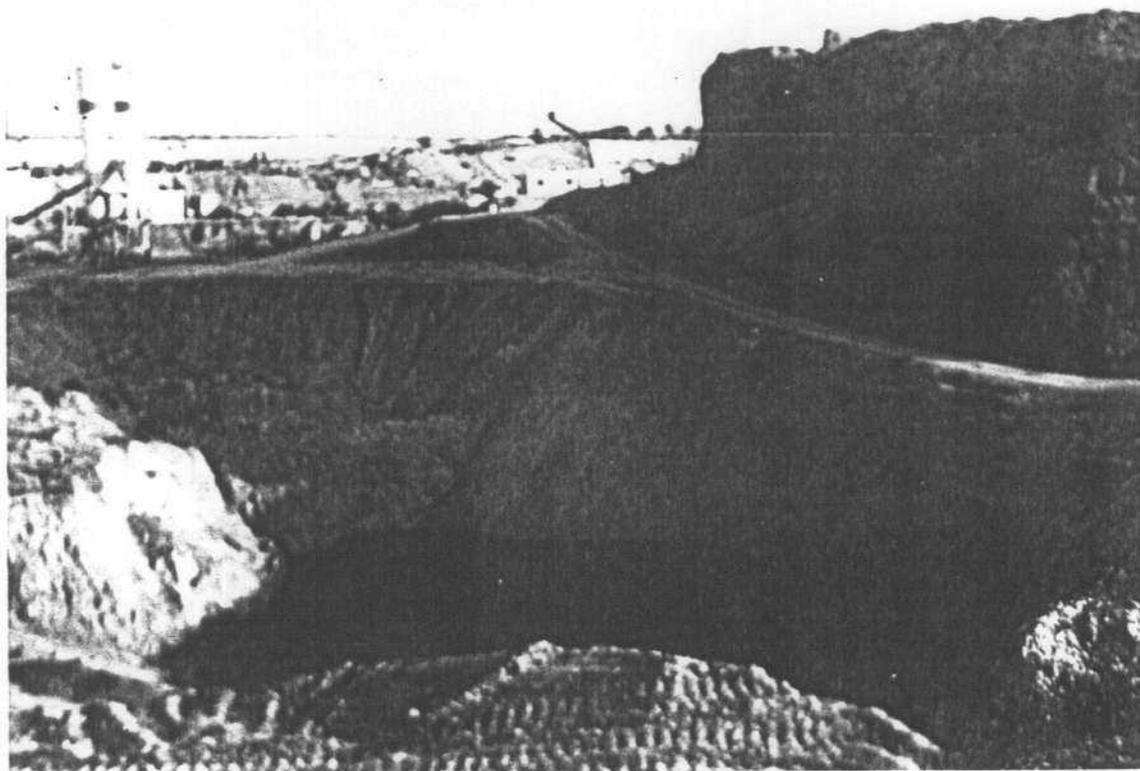


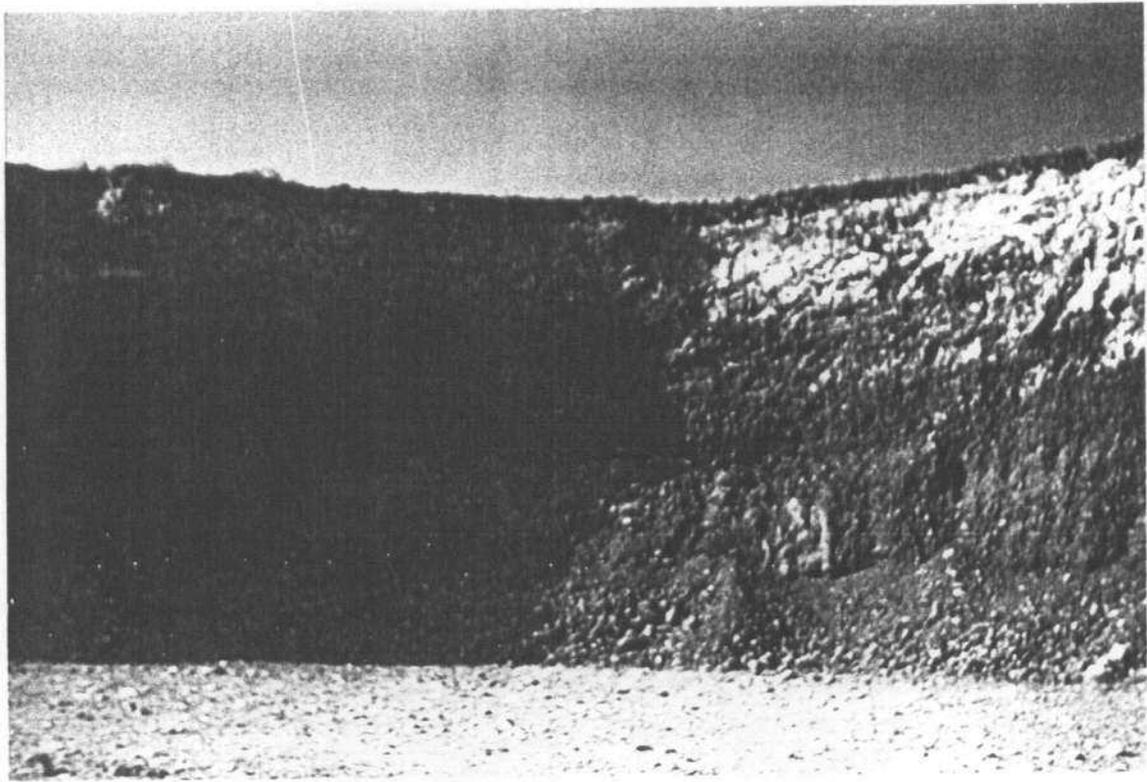
Z-33.- El Campillo



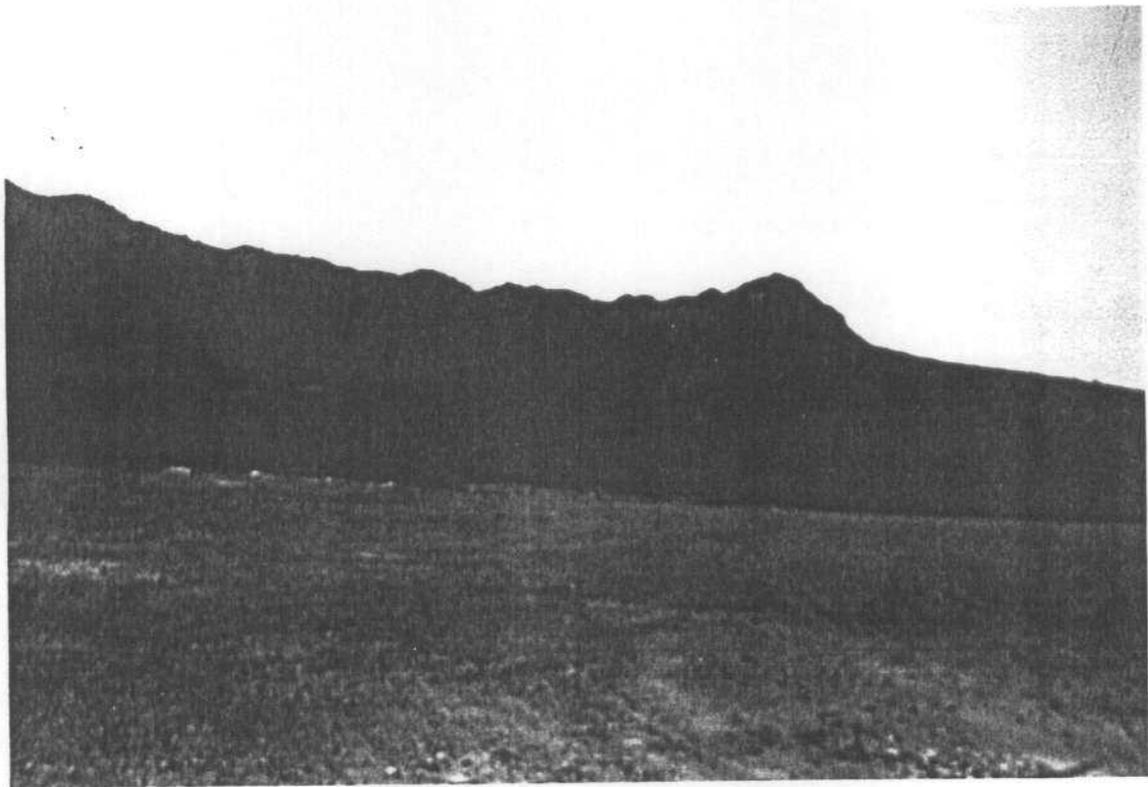


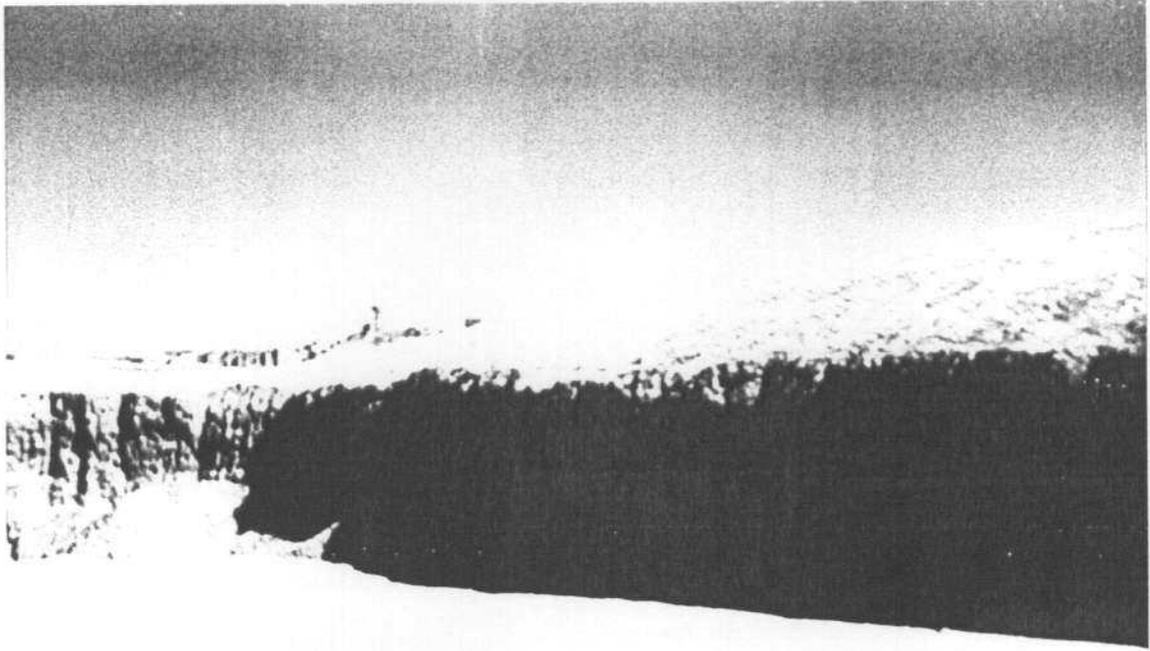
Z-34.- Margalejo



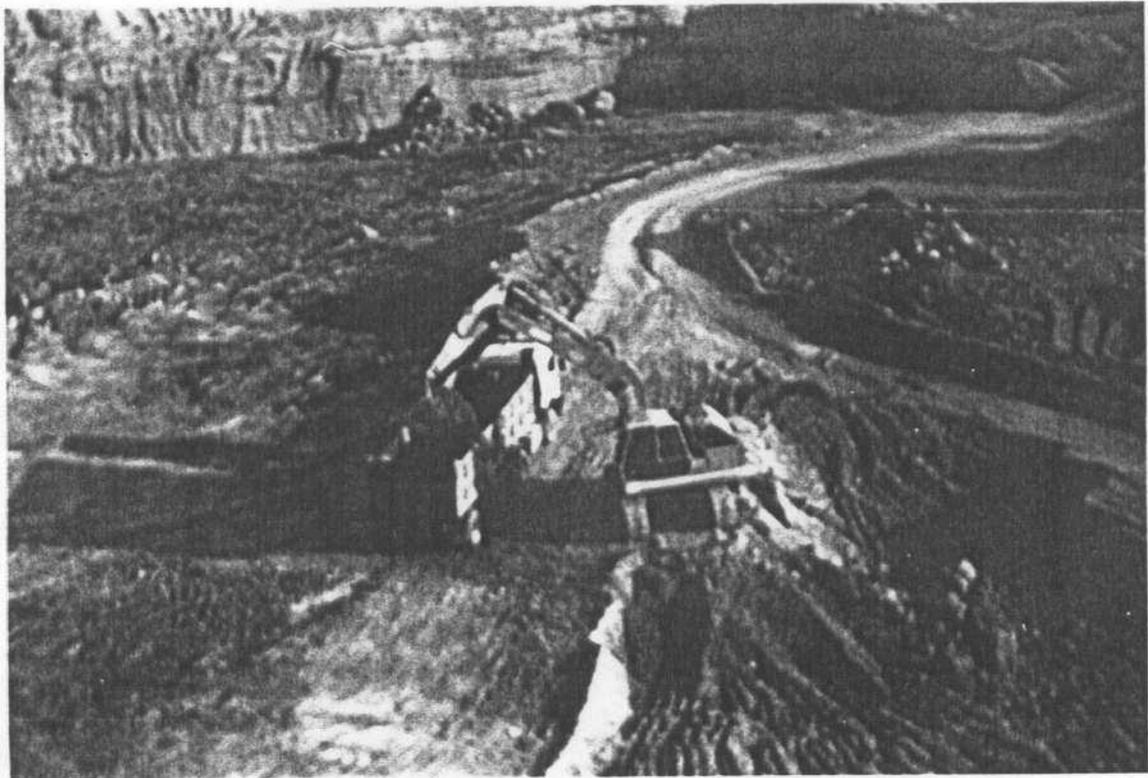


Z-35.- Los Tanis





Z-36.- Portillada

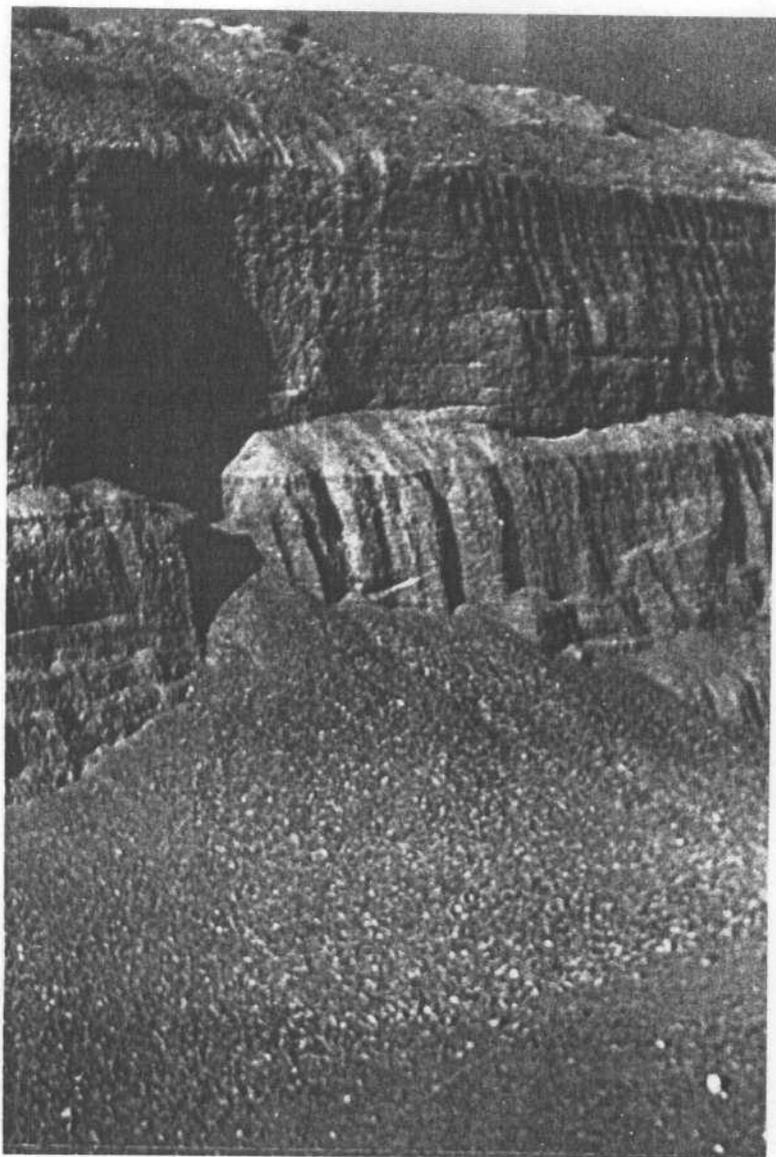


Z-37.- El Copao



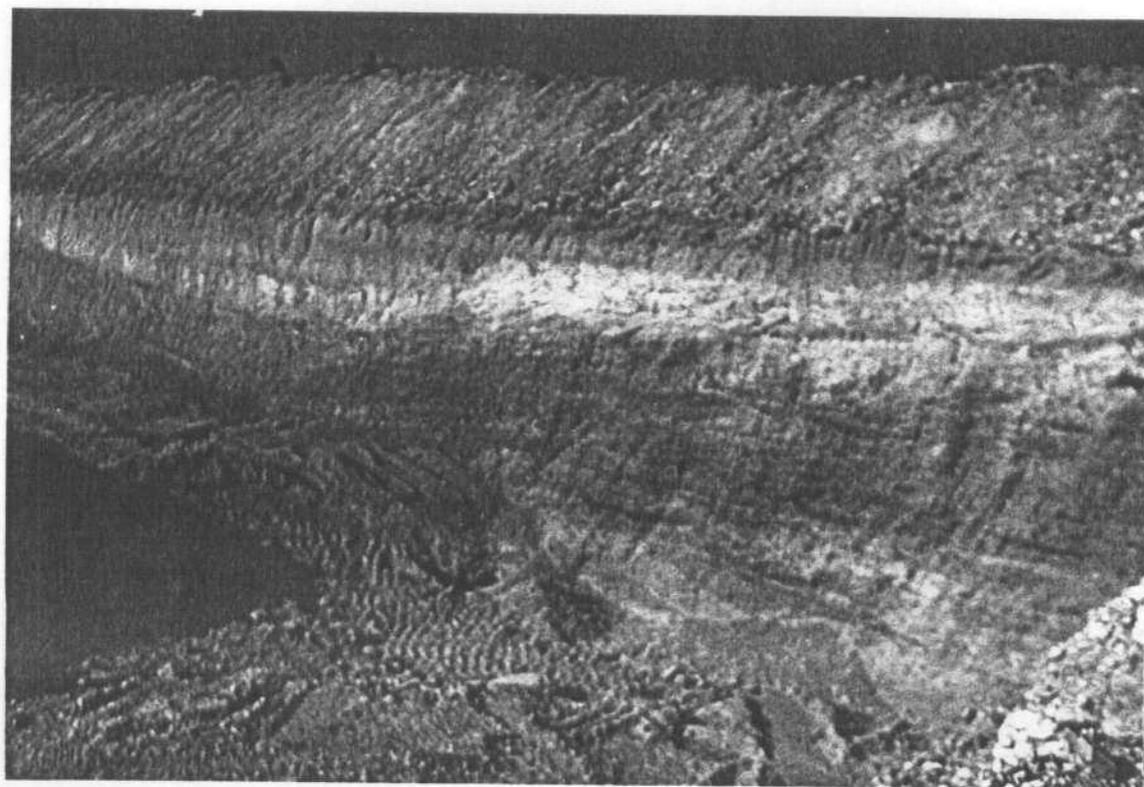
Z-38.- Area Garrapinillos
(Retirada de la cobertera)





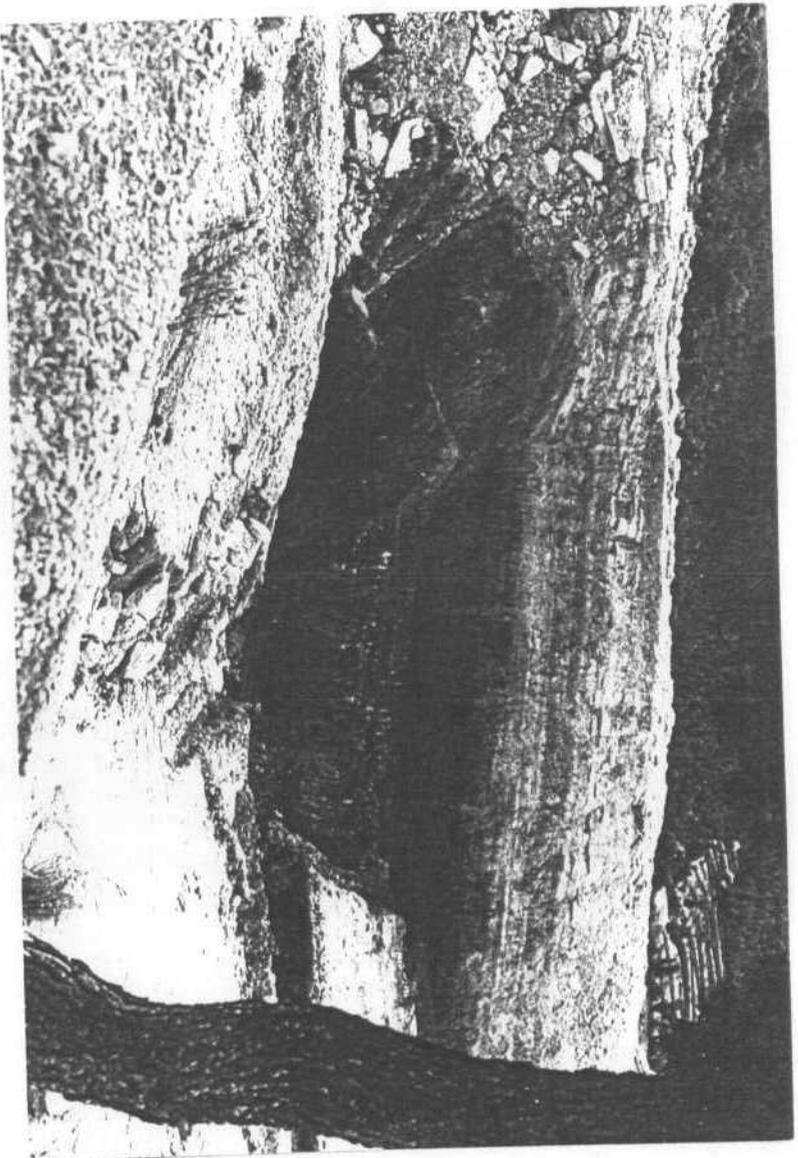
Z-39.-

Area Garrapinillos
(Estado de taludes y
coronación)

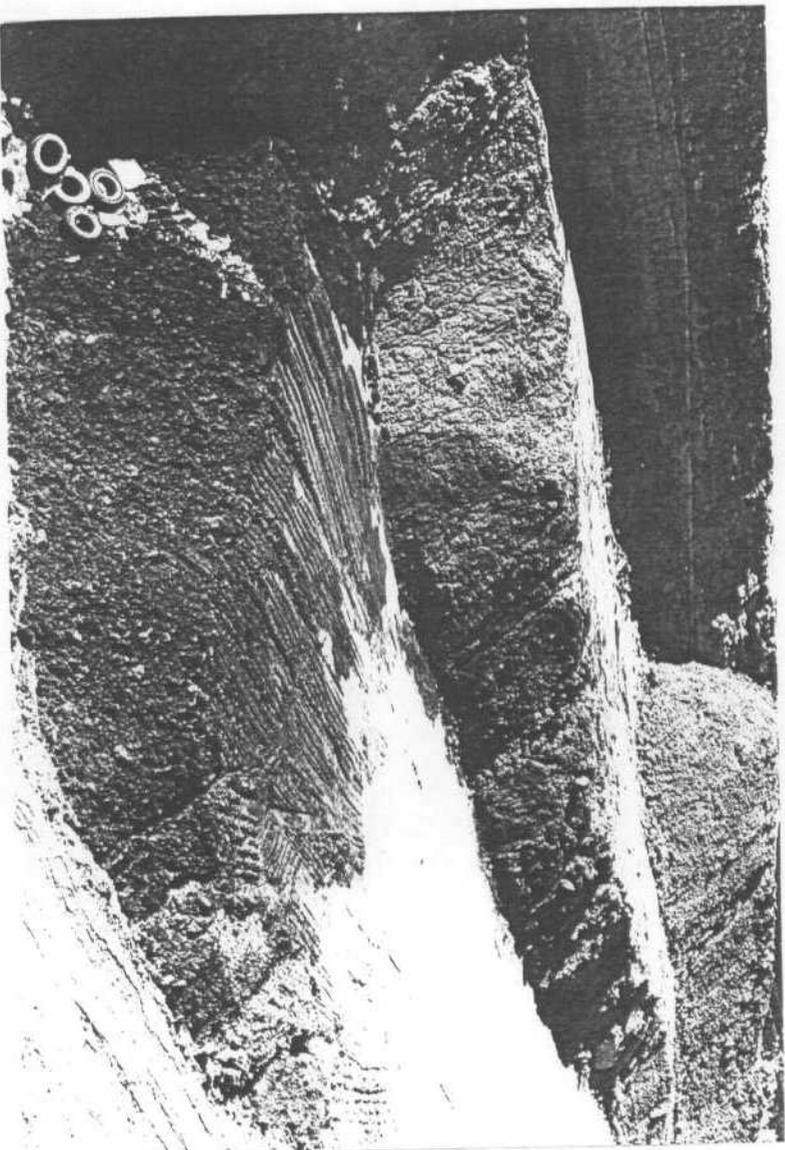


2.- PROVINCIA DE TERUEL

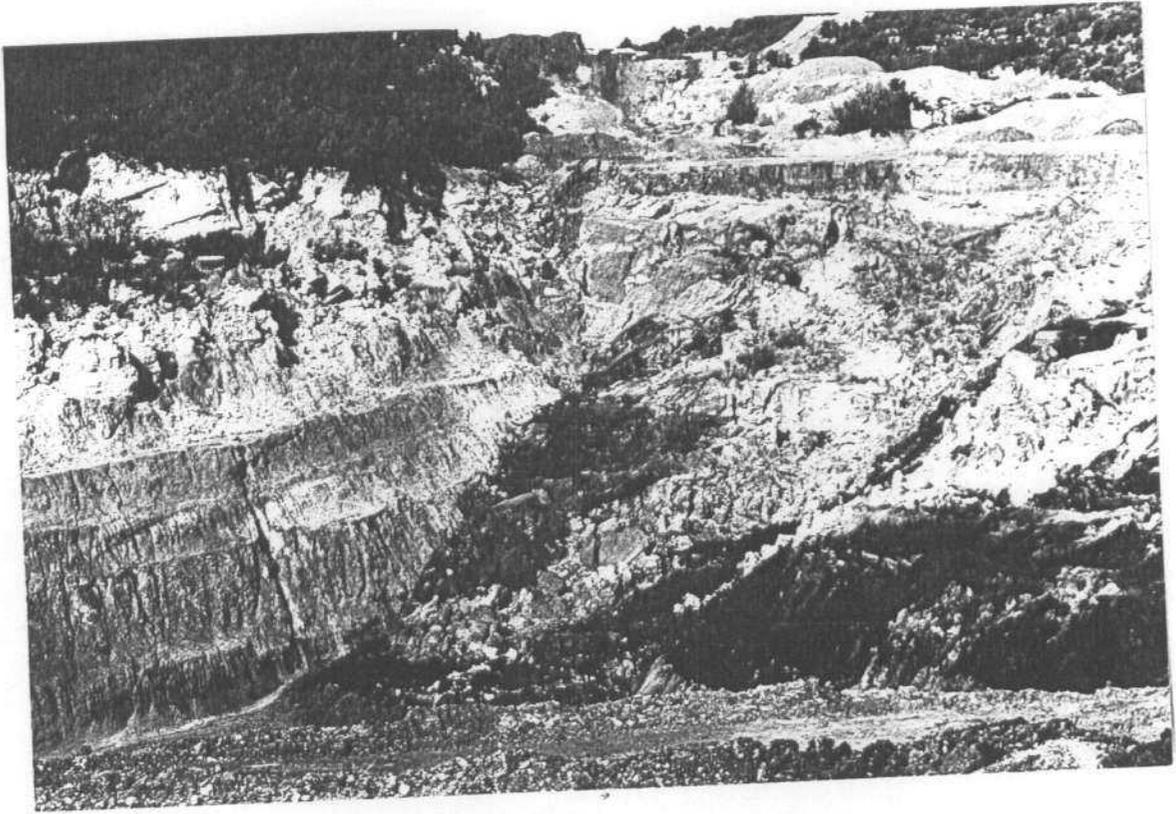
2.1.- CANTERAS DE ARCILLAS REFRACTARIAS
Y ARENAS CAOLINIFERAS



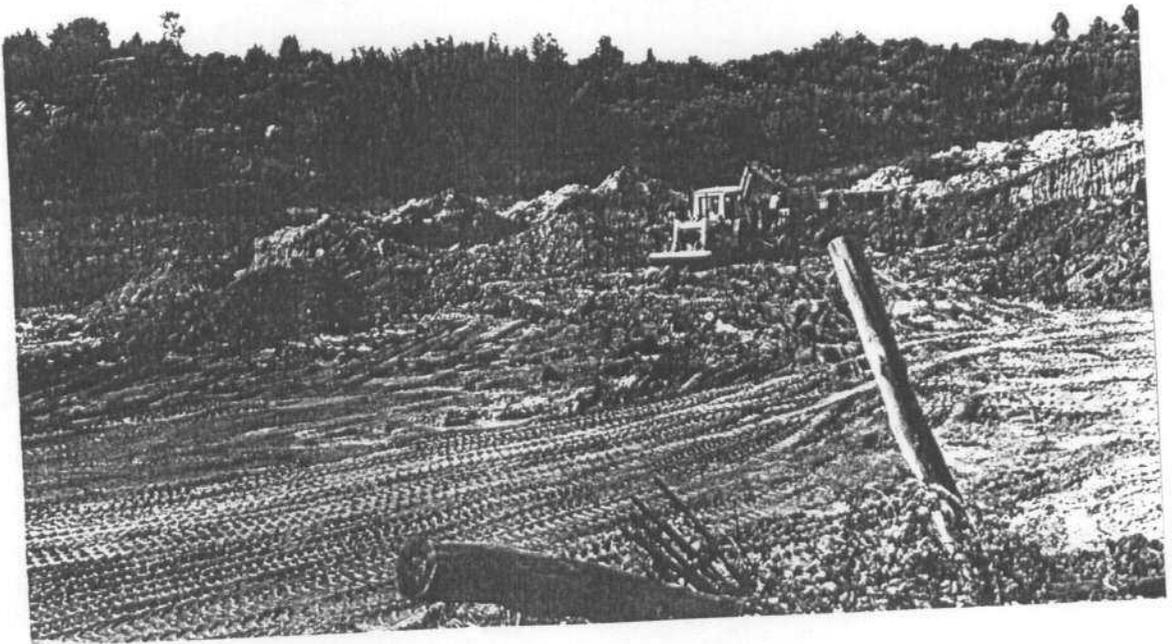
TE-1.- Predio Suñer



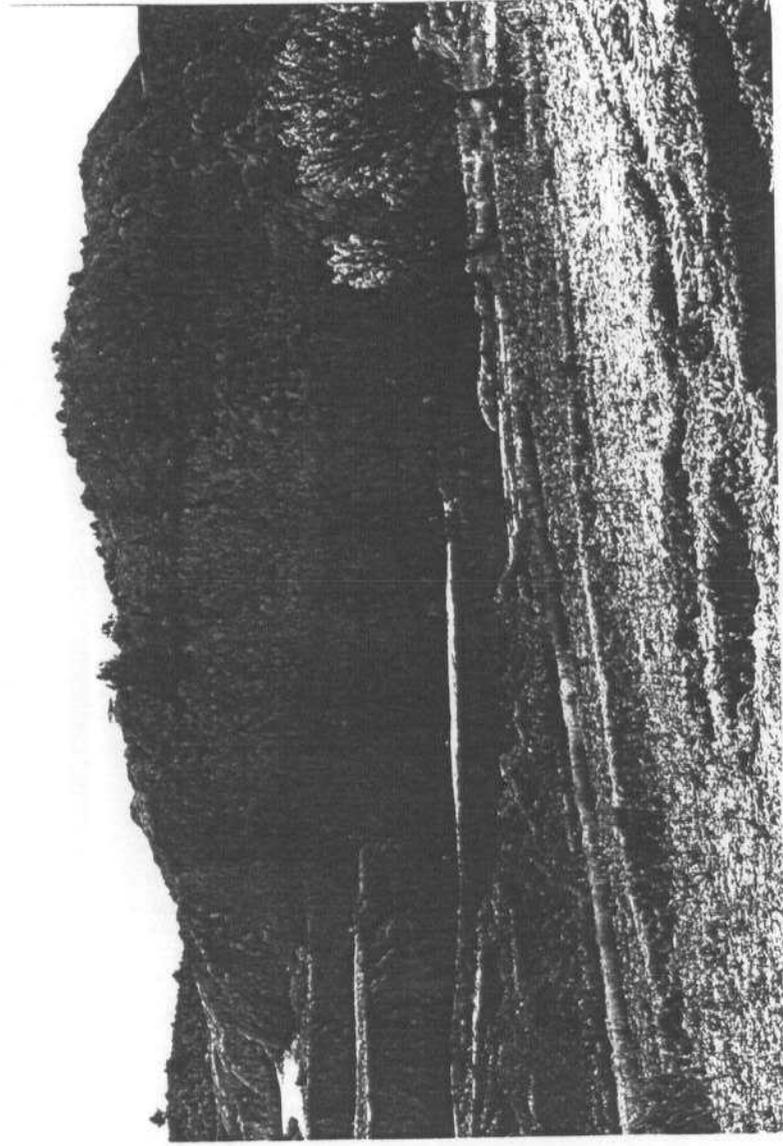
TE-2.- Predio Suñer
Hueco ya explotado y en fase de relleno



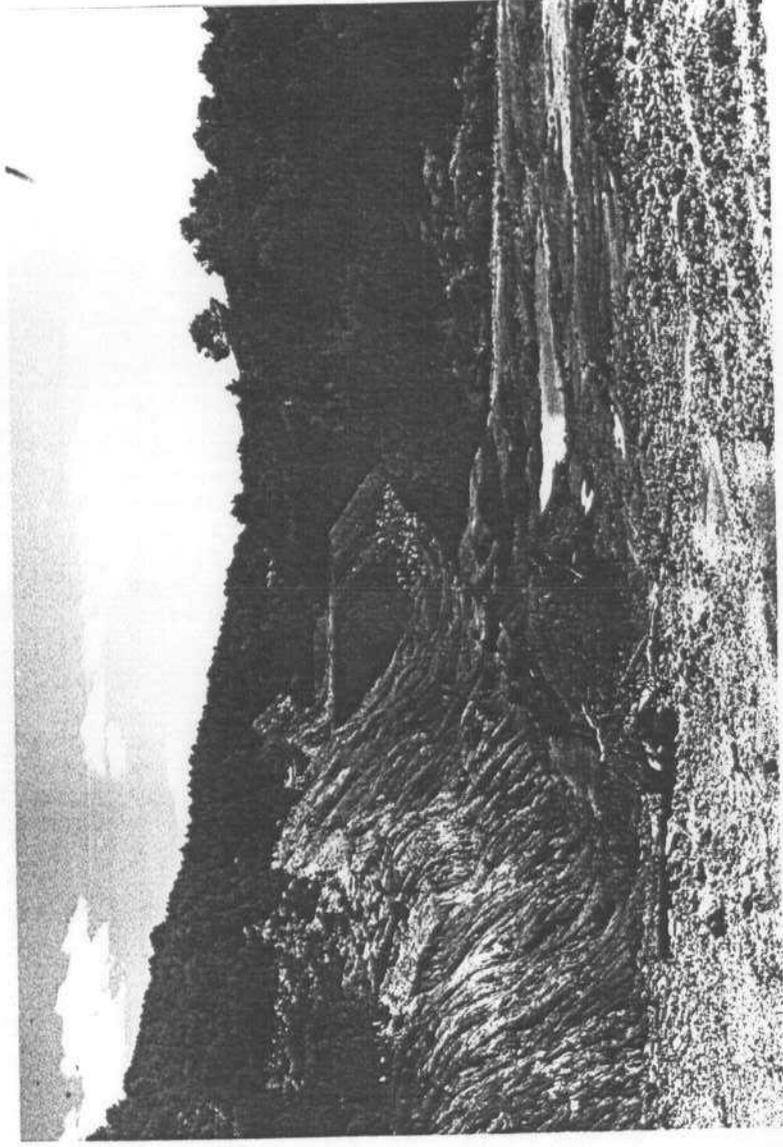
TE-3.- Santa Bárbara, San Joaquín y
Luisa María



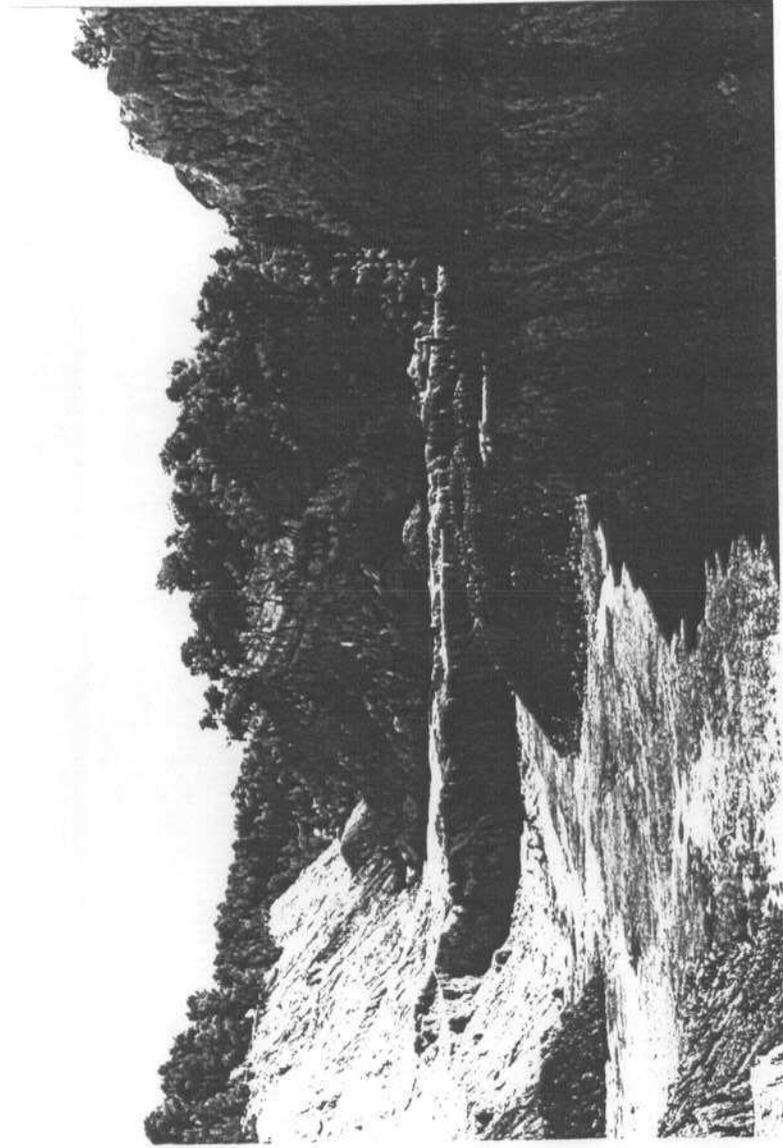
TE-4.- Predio Mulet



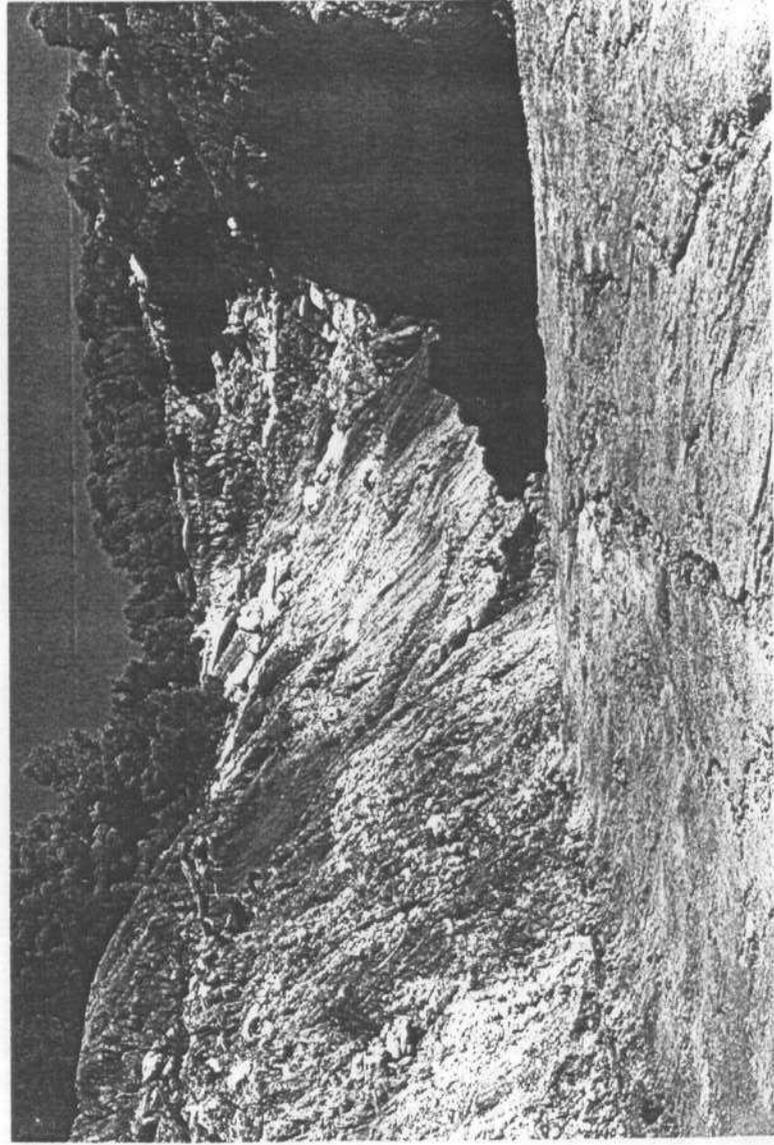
TE-5.- La Fuente



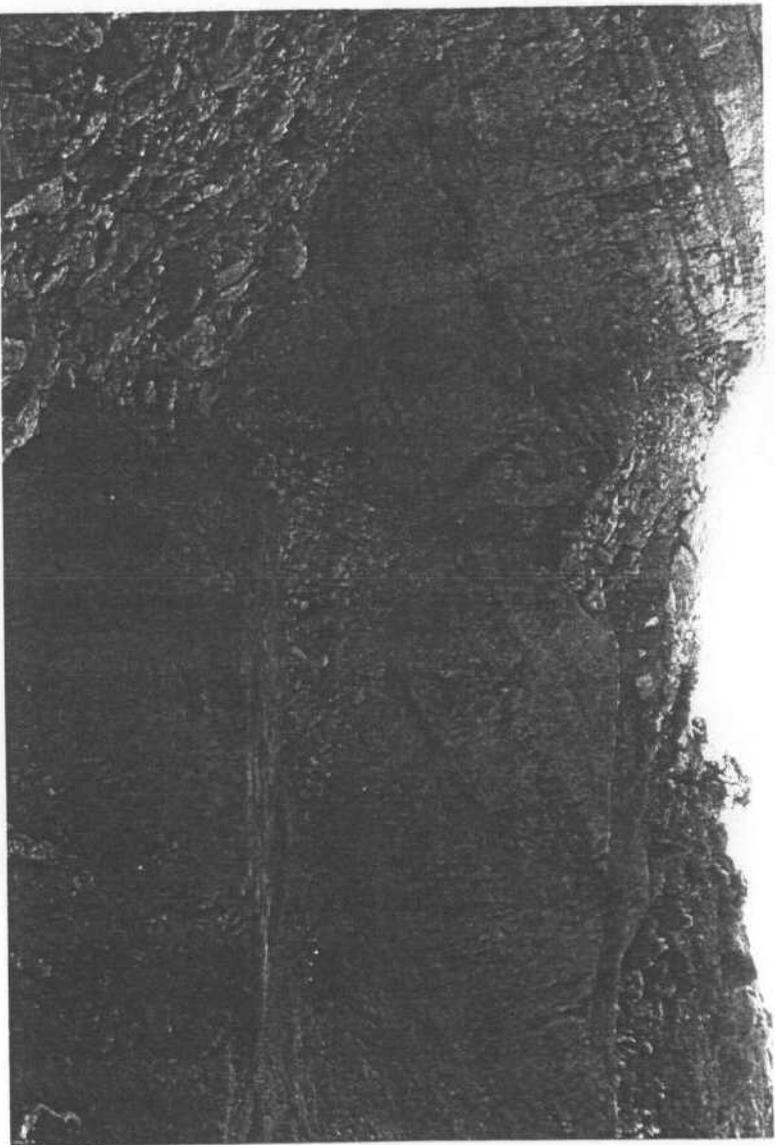
TE-6.- Ampliación Predio Llombart



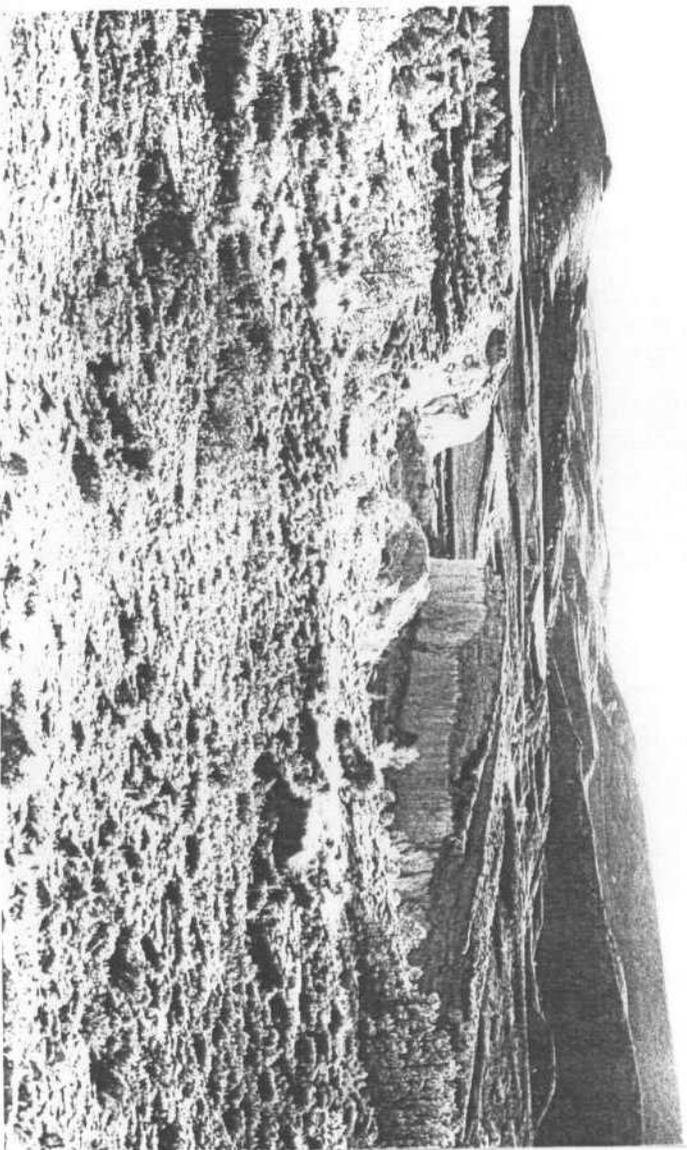
TE-7.- Folch y ampliación
Al fondo La Teruelana



TE-8.- Nirvana y Valdeluna
Al fondo Balmes



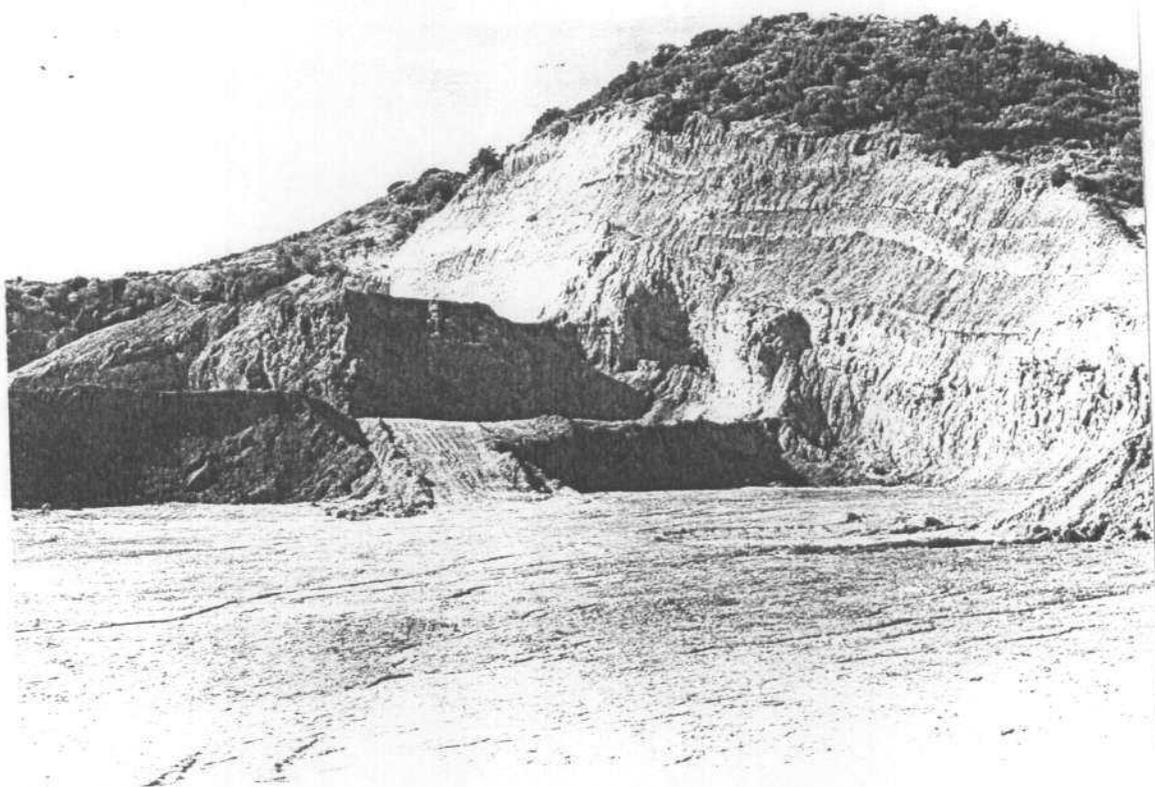
TE-9.- María Dolores



TE-10.- Milagros



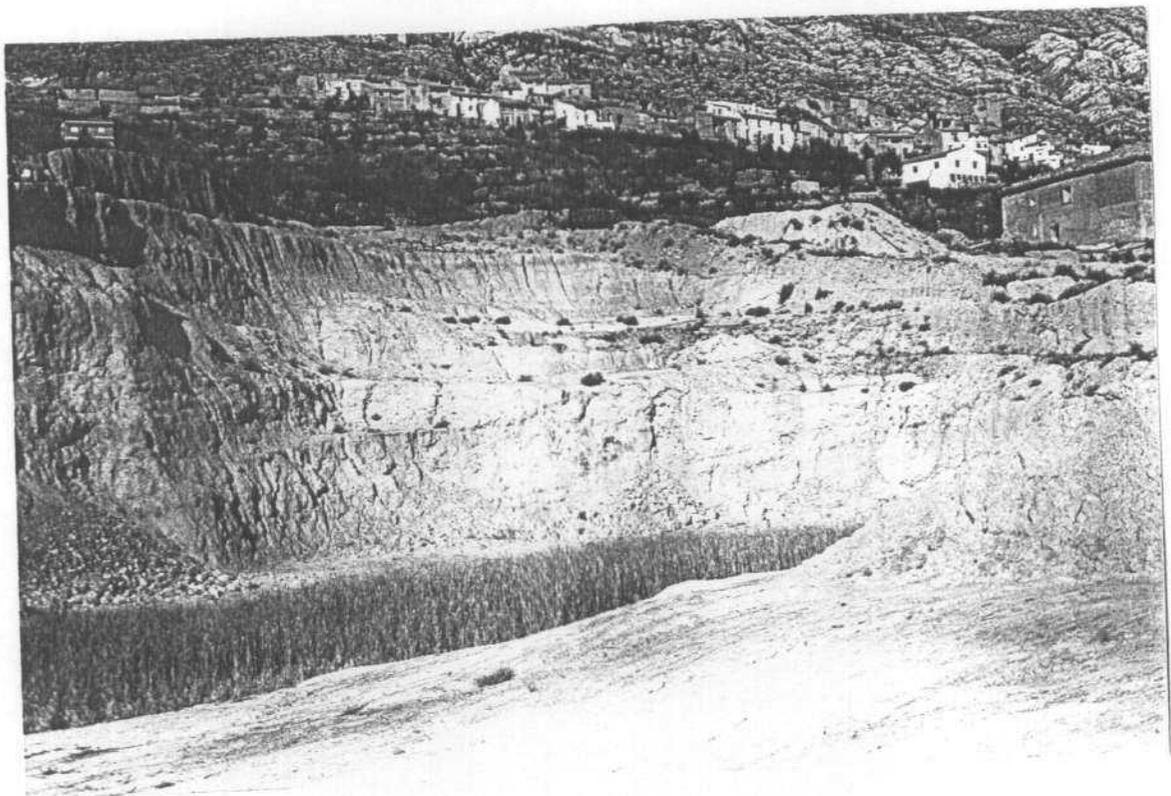
TE-11.- Predio Maruja



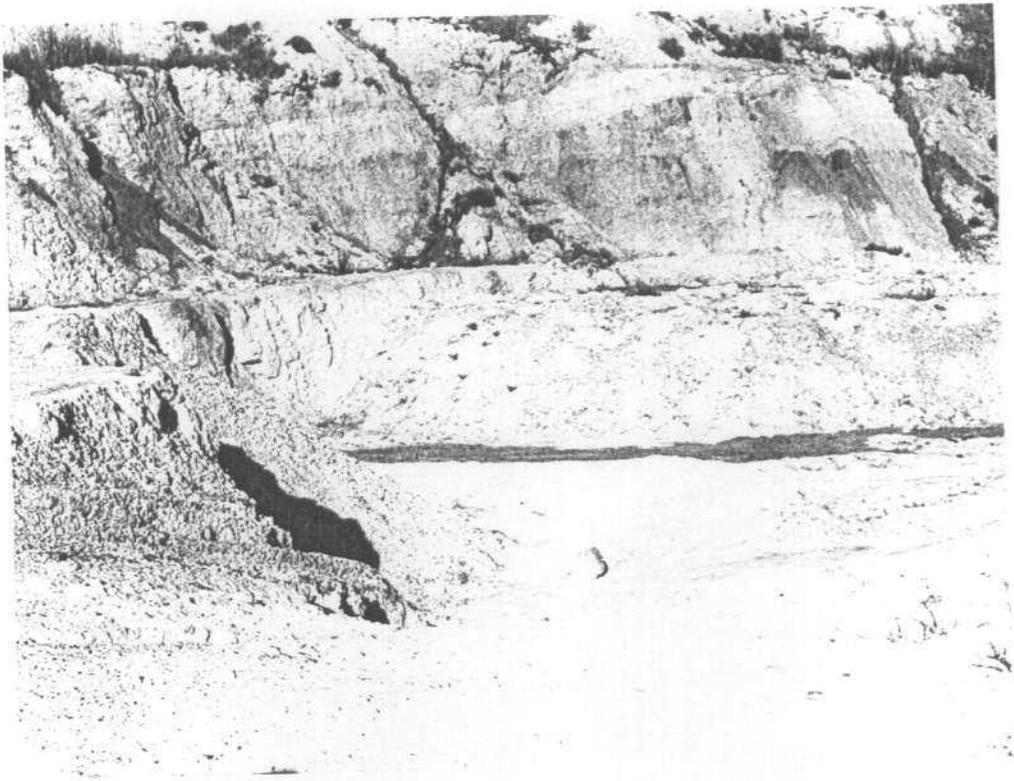
TE-12.- Luisa



TE-13.- Jose



TE-14.- La Foya



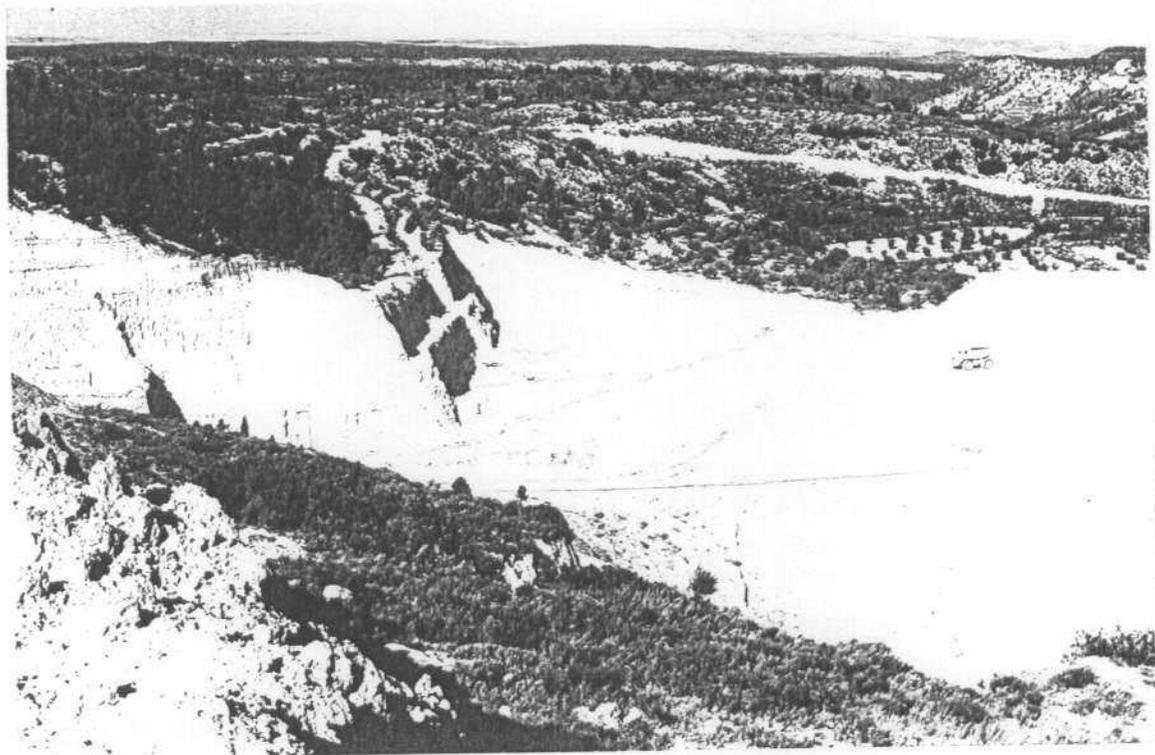
TE-15.- Balnul



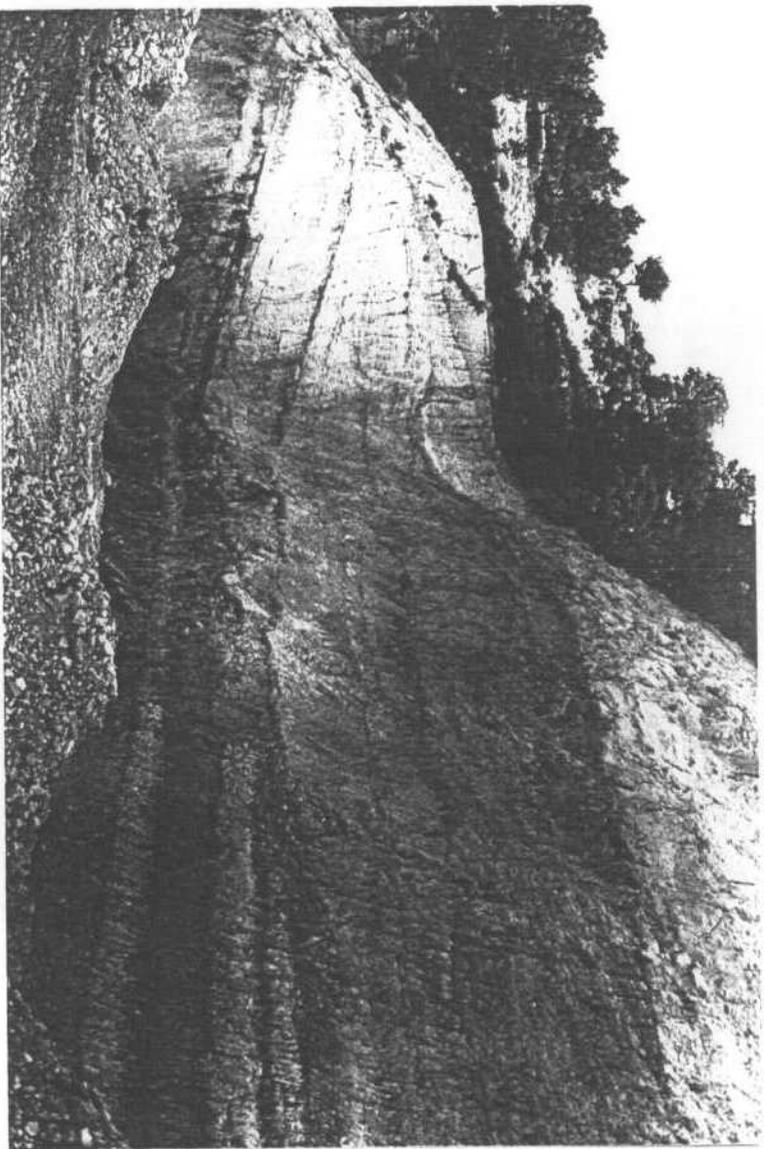
TE-16.- Val Royo



TE-17.- Irene
Vista general



TE-18.- Irene



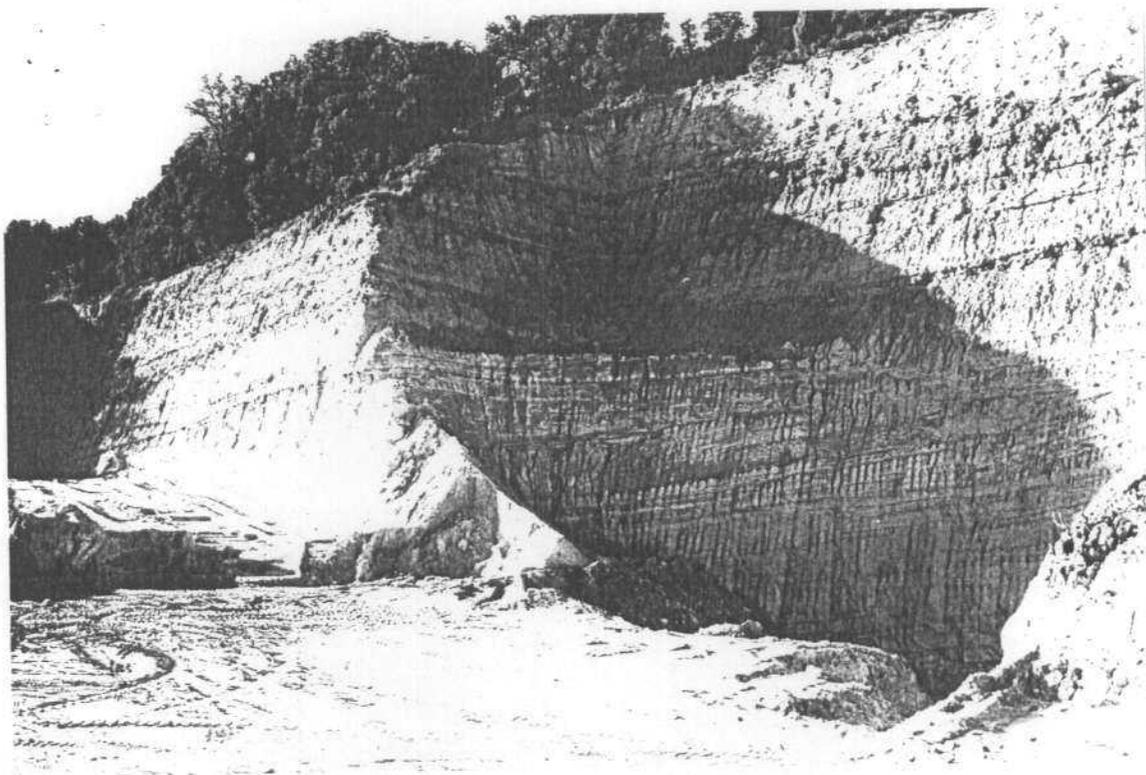
TE-19. - Venato



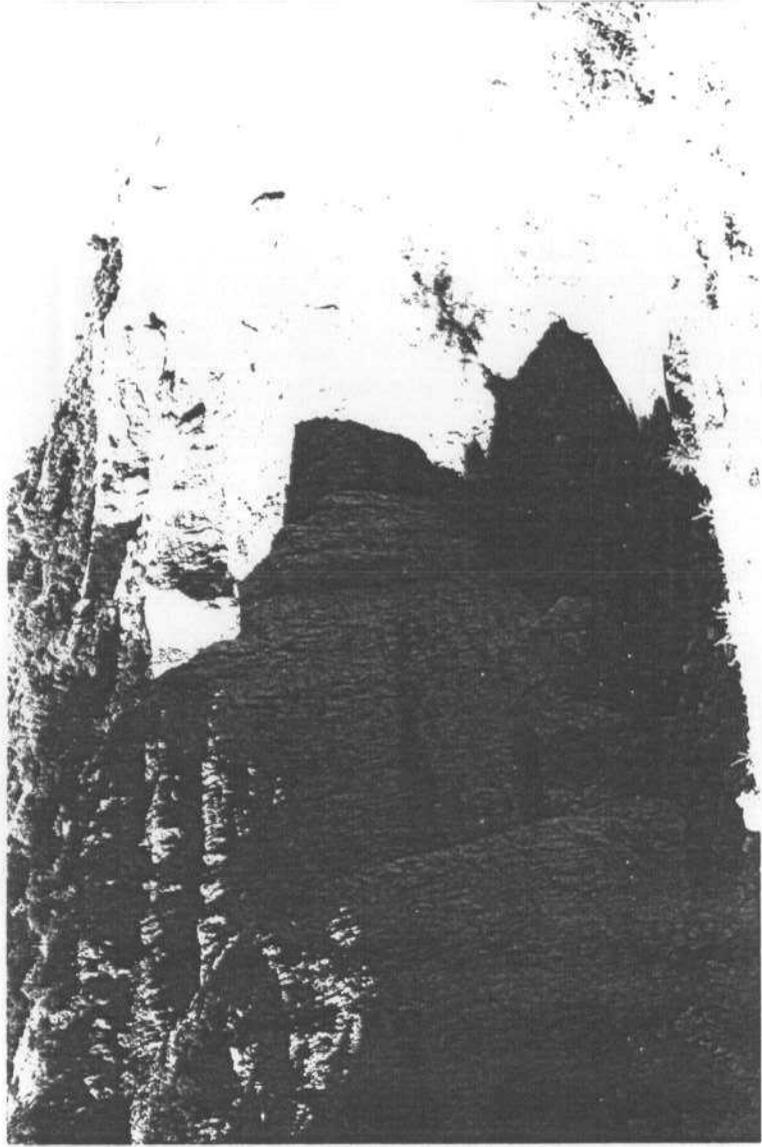
TE-20. - San Blas



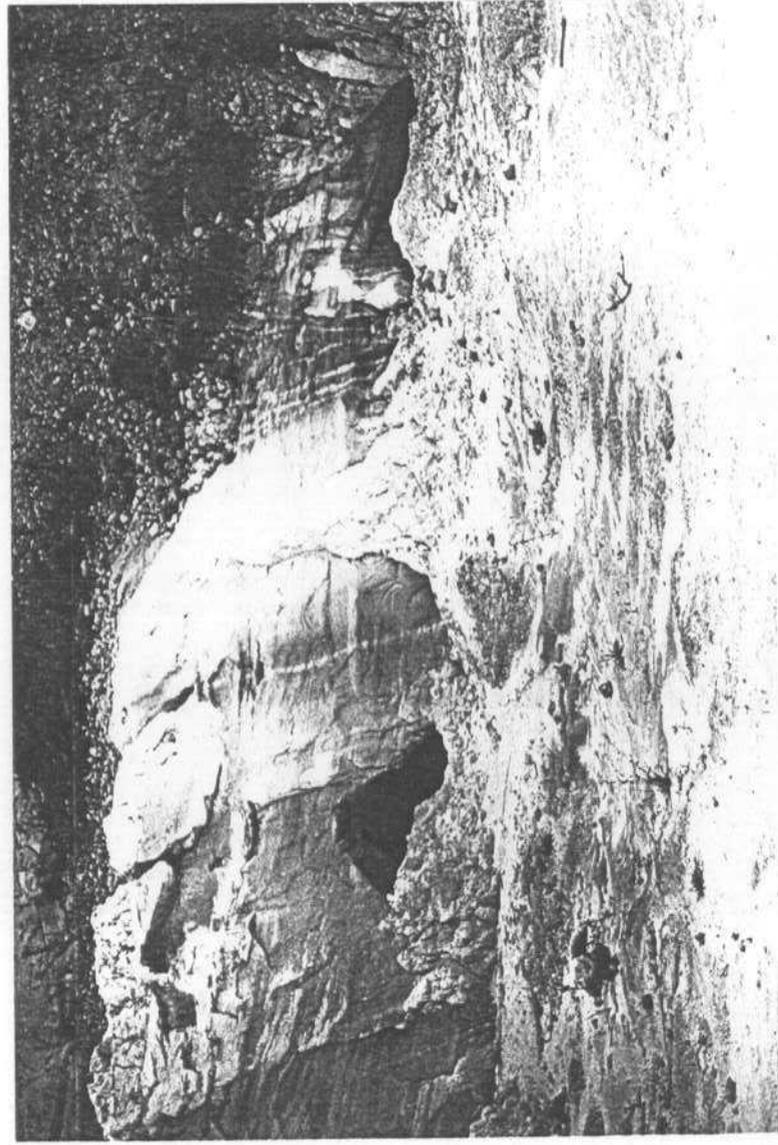
TE-21.- Consolación



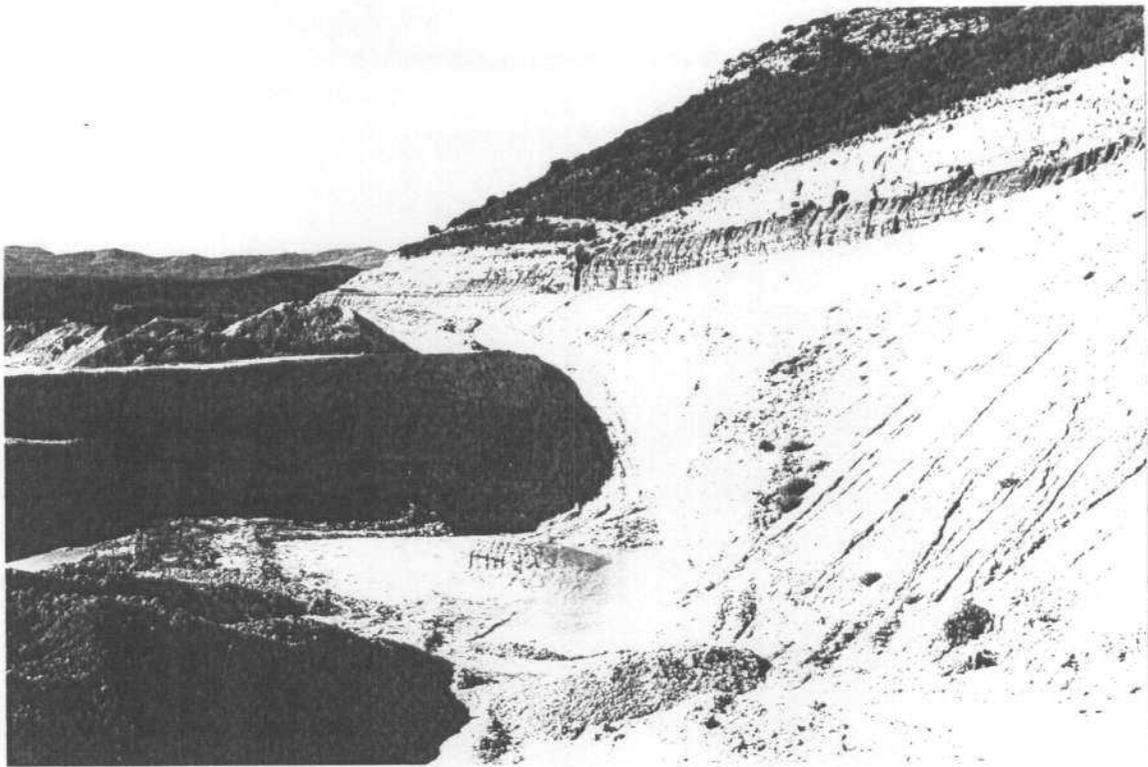
TE-22.- La Pintada



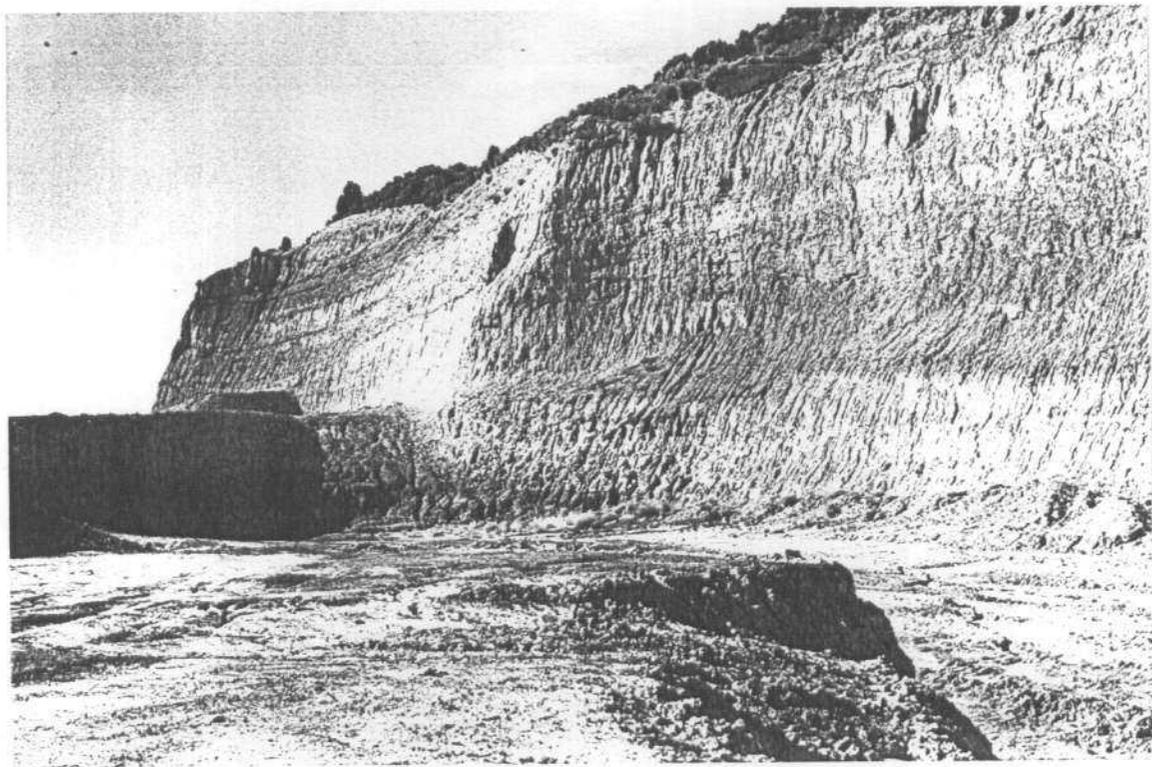
TE-23.- Valencia



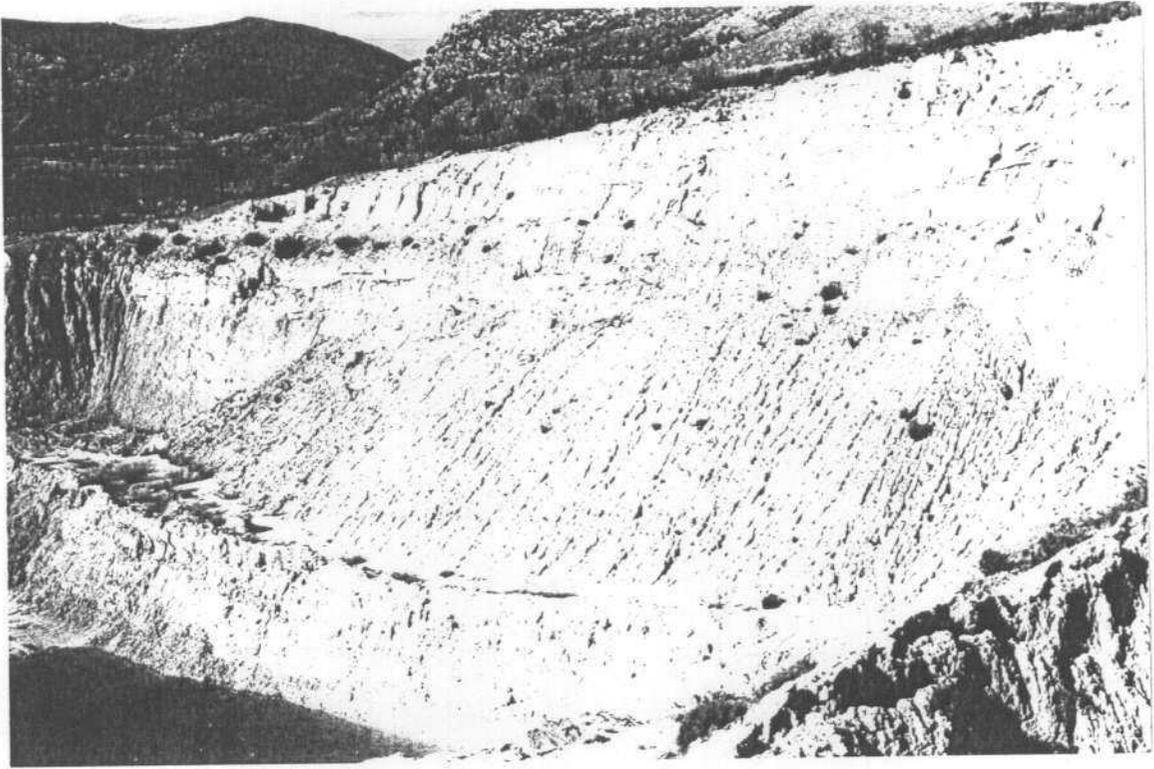
TE-24.- Aragón



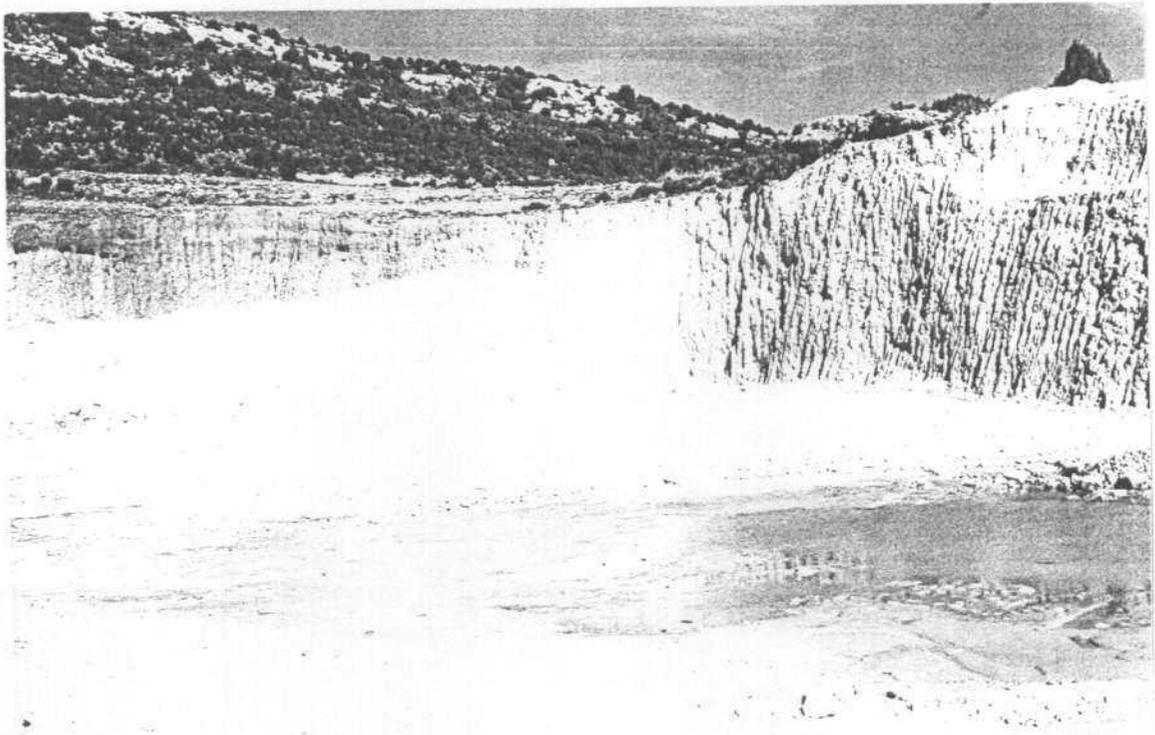
TE-25.- Cueva Roya



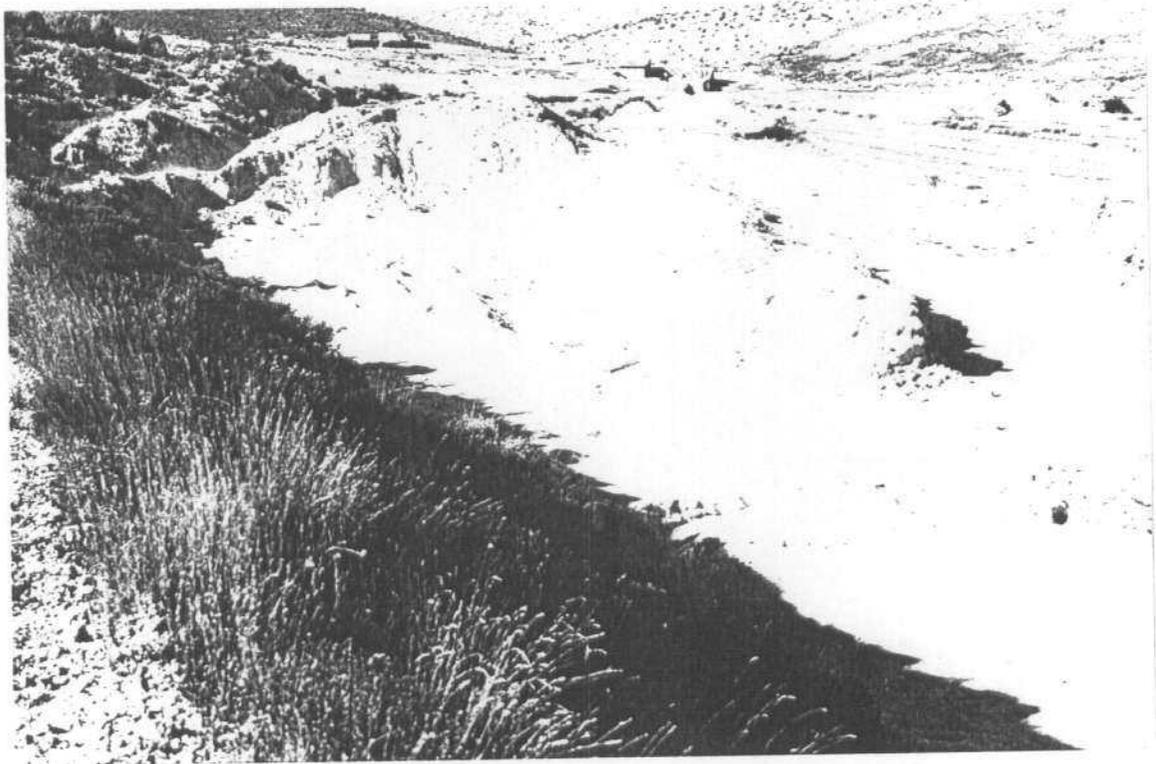
TE-26.- Cueva Roya



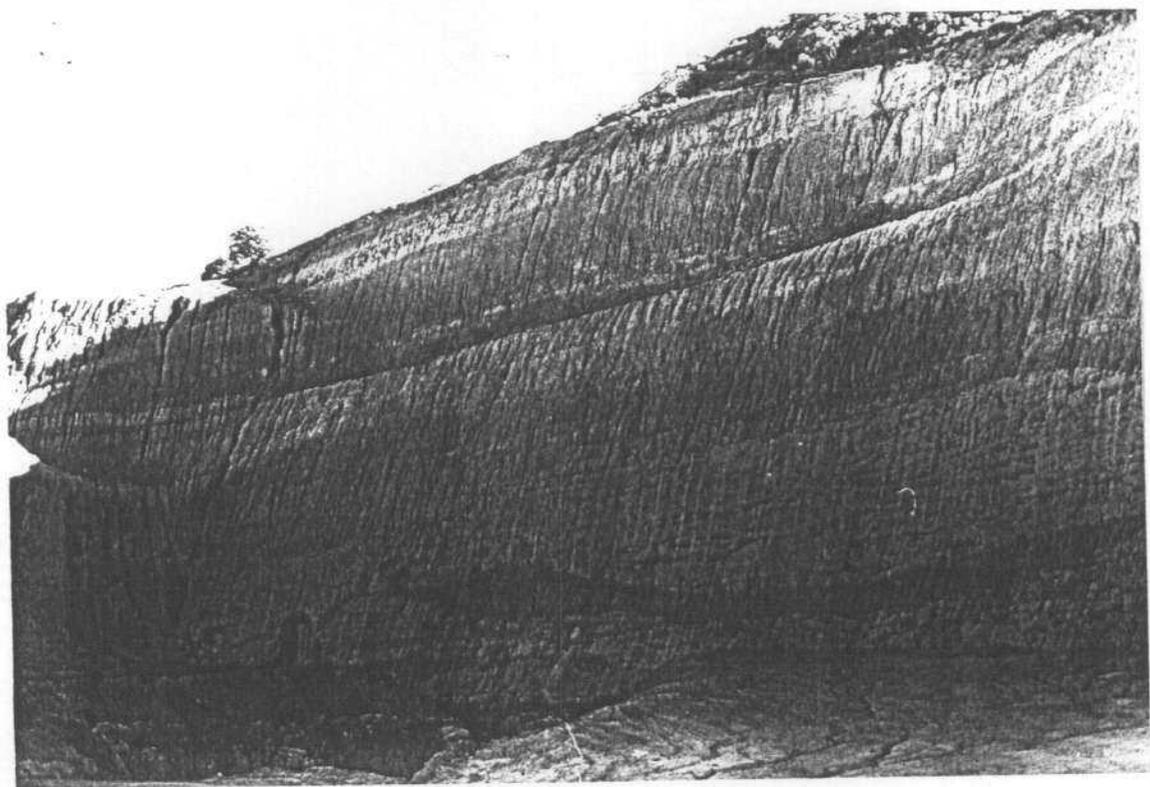
TE-27.- La Centenera



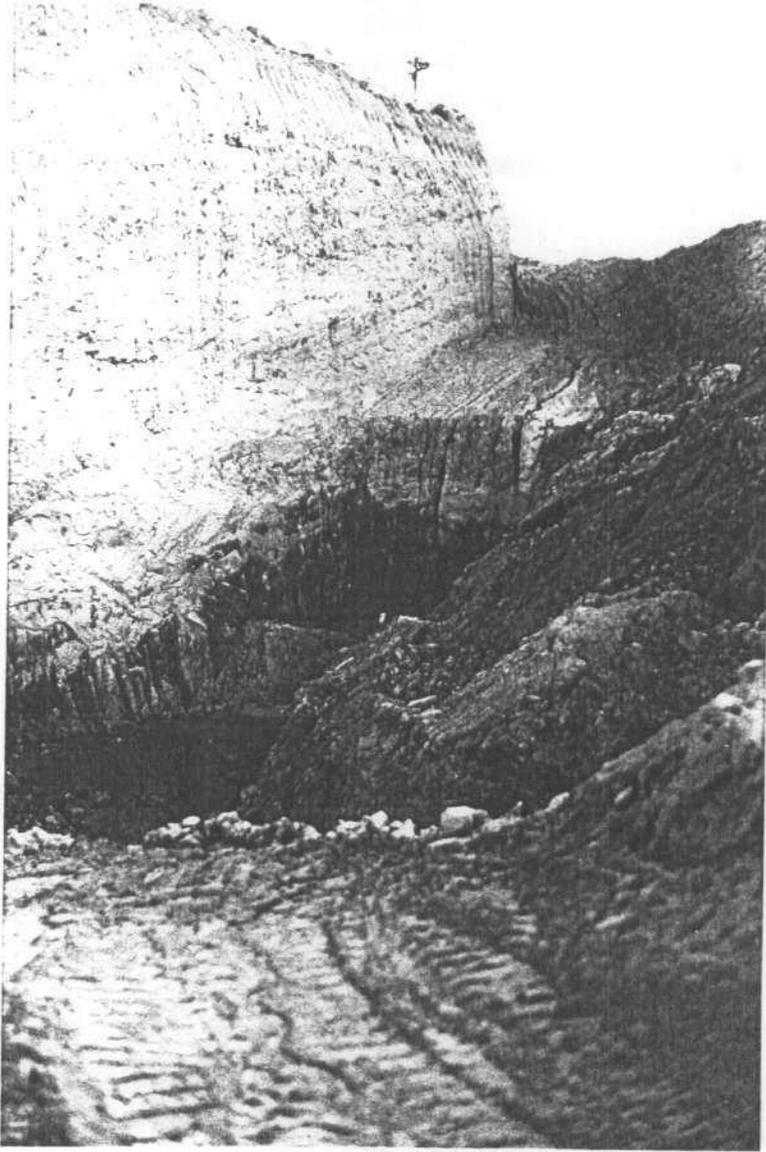
TE-28.- Explotador Huesa en Berge



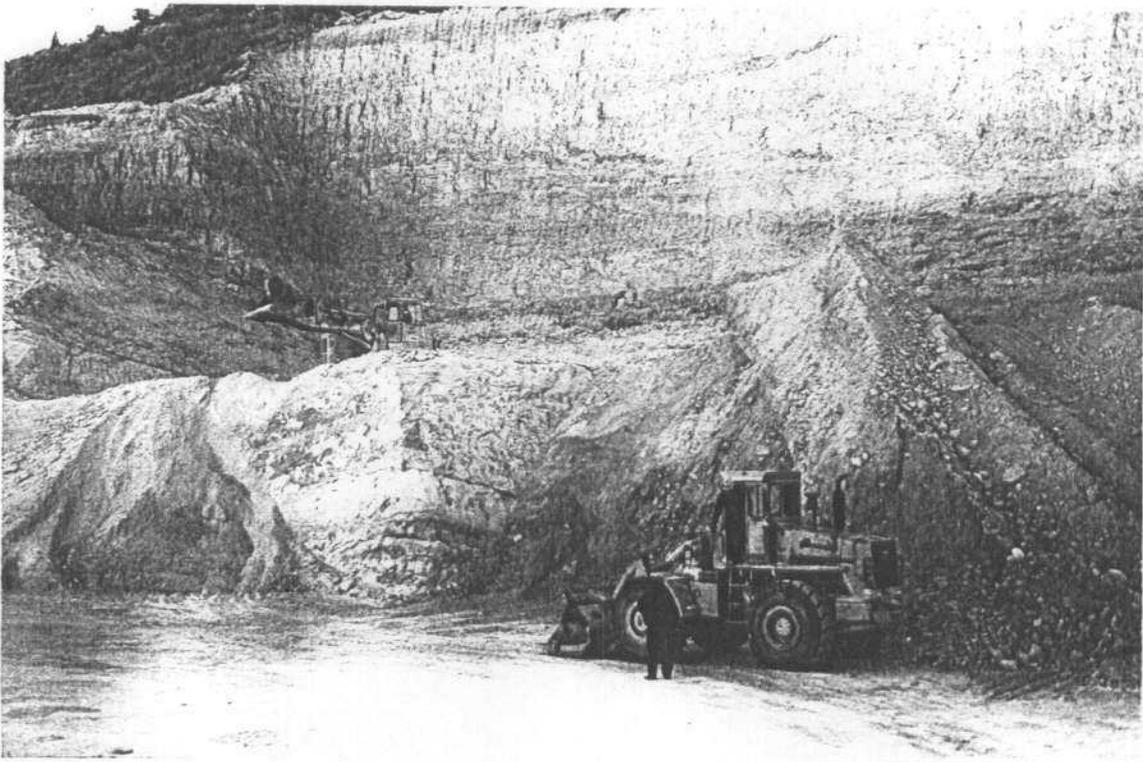
TE-29.- Bienvenida



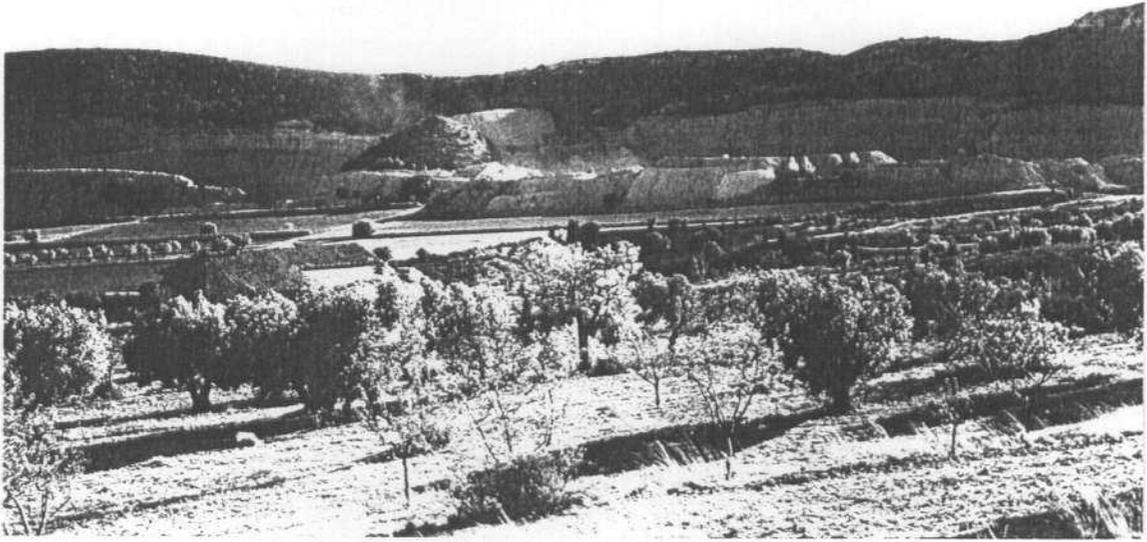
TE-30.- Amparines



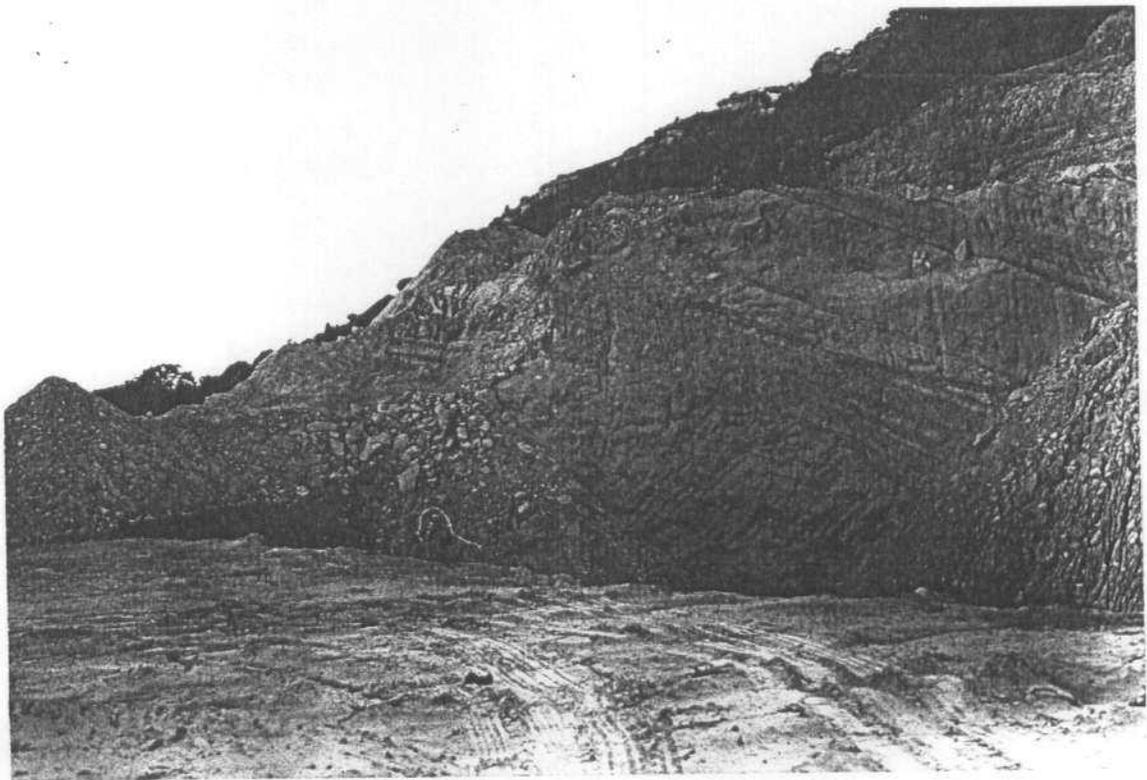
TE-31.- Amparines



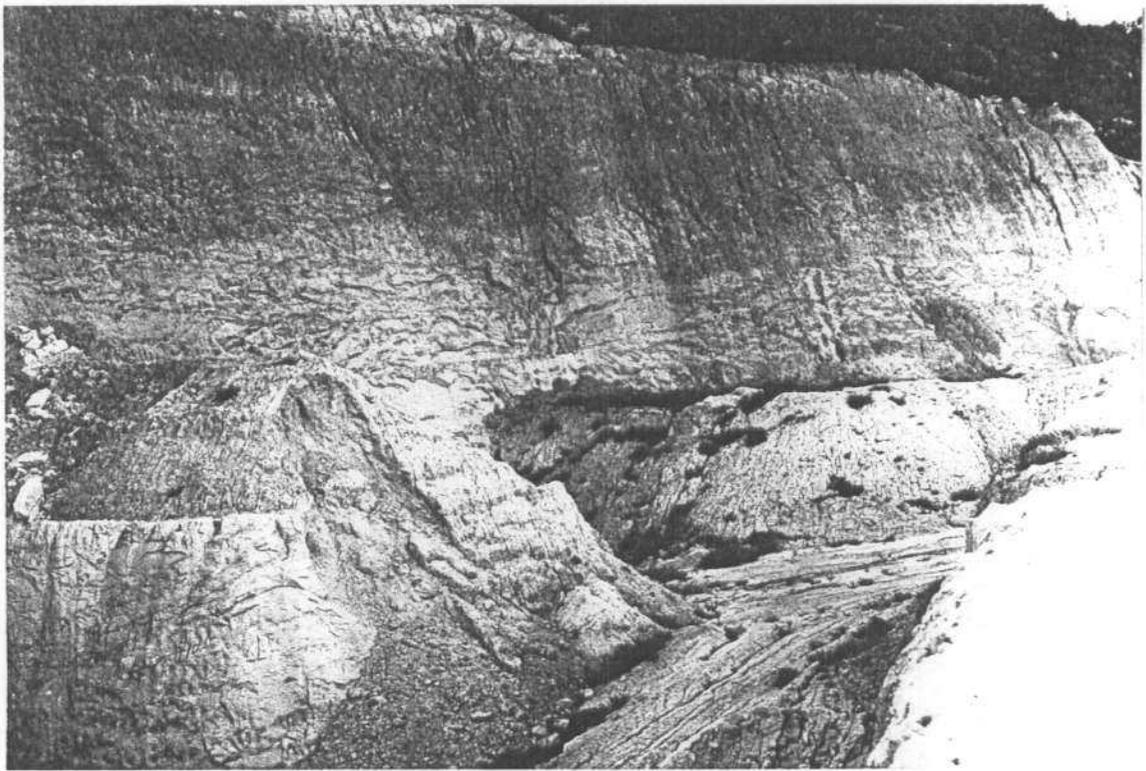
TE-32.- El Pedregal



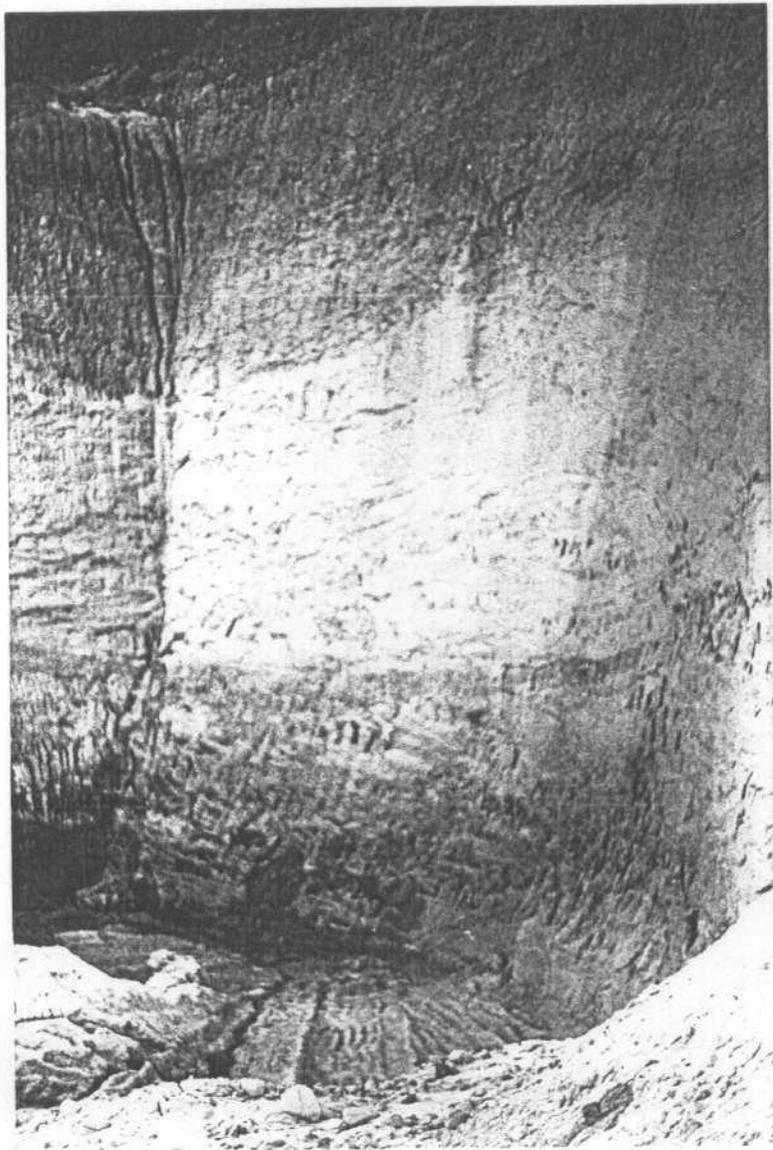
TE-33.- Vista general, Amparines(a la izq.)y
Pedragal (a la dcha.)



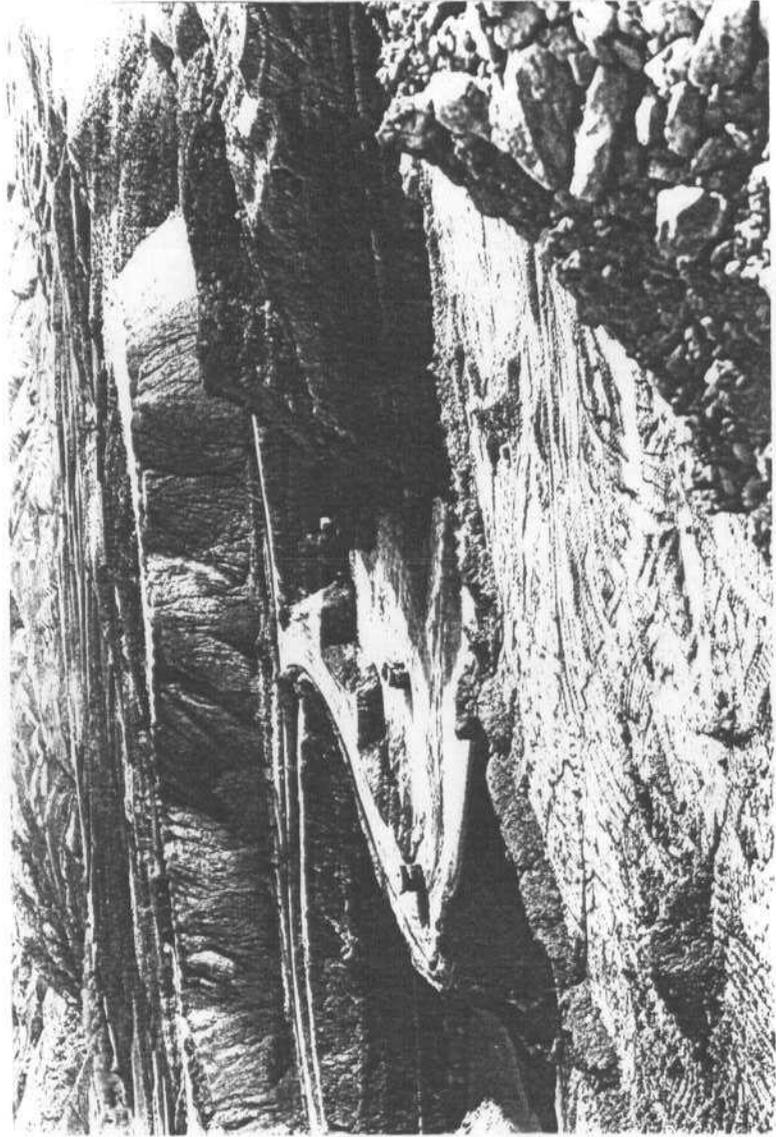
TE-34.- San Rafael



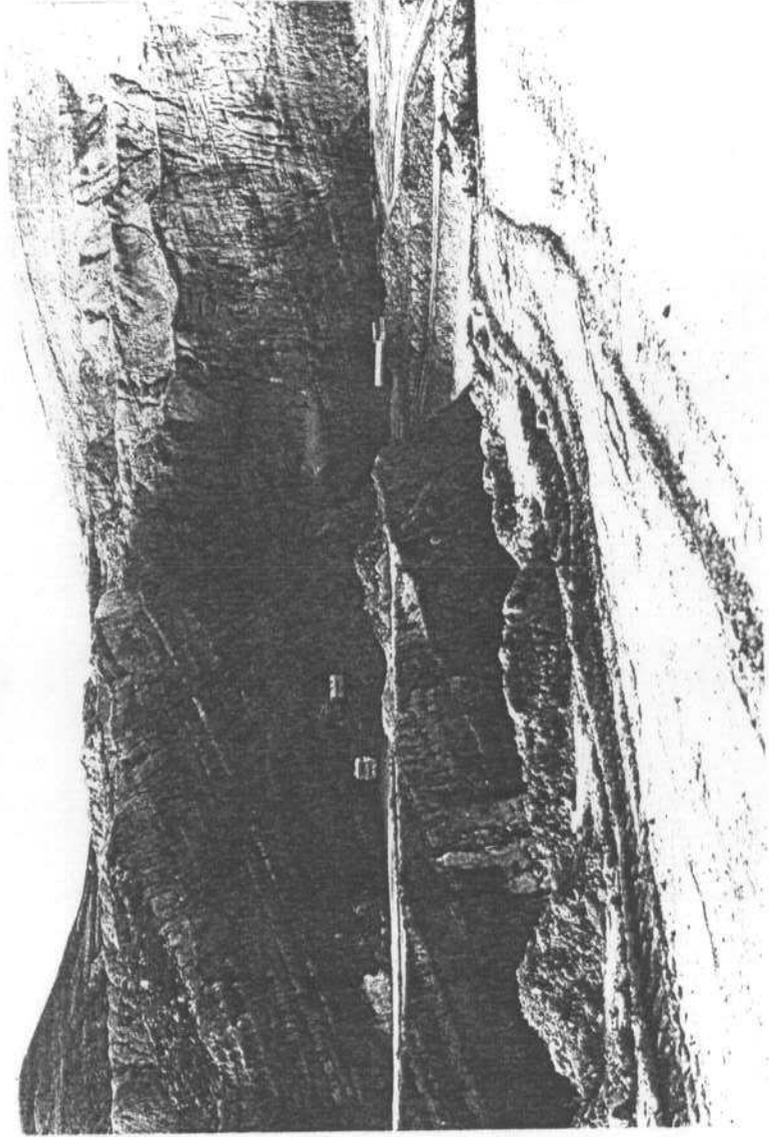
TE-35.- Los Cerros



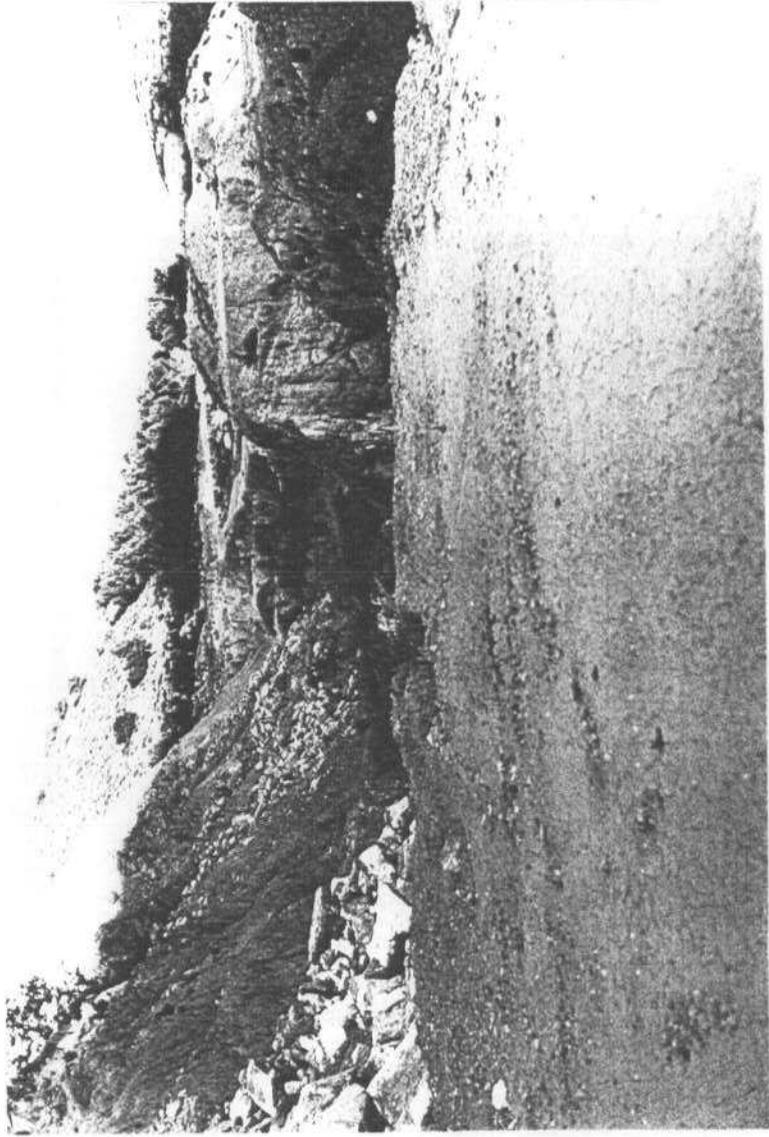
TE-36.- Pozo del Salto



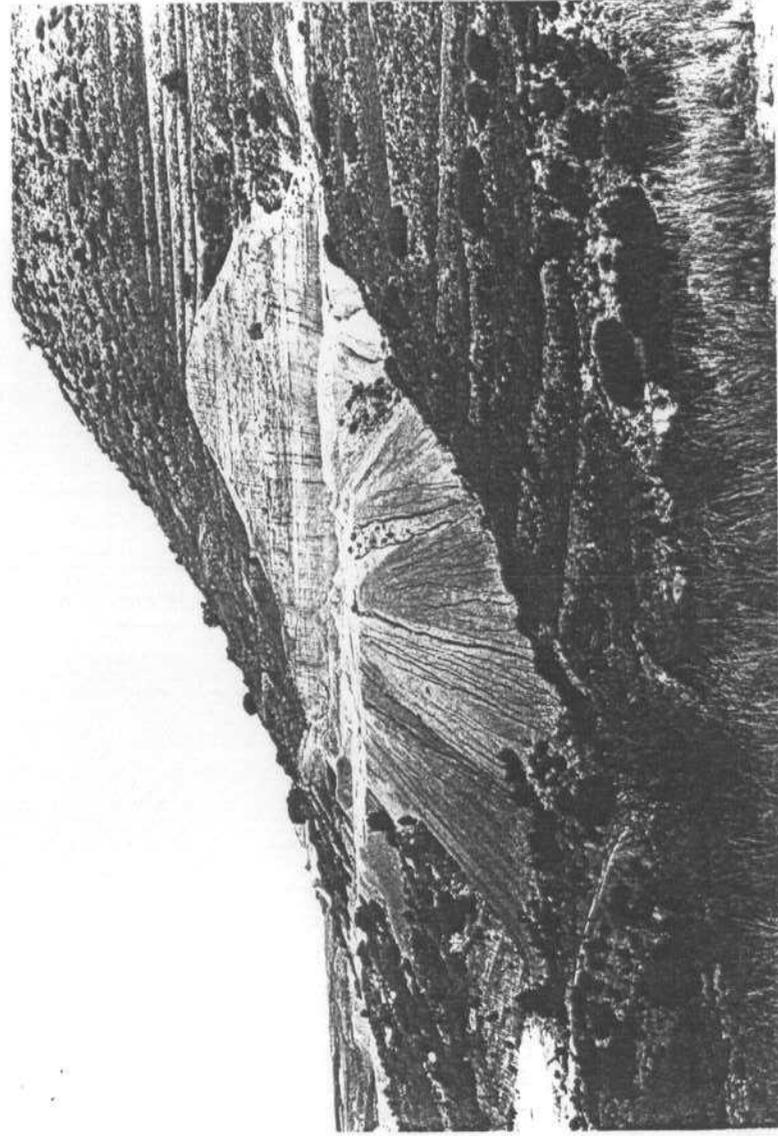
TE-37.- Galve I



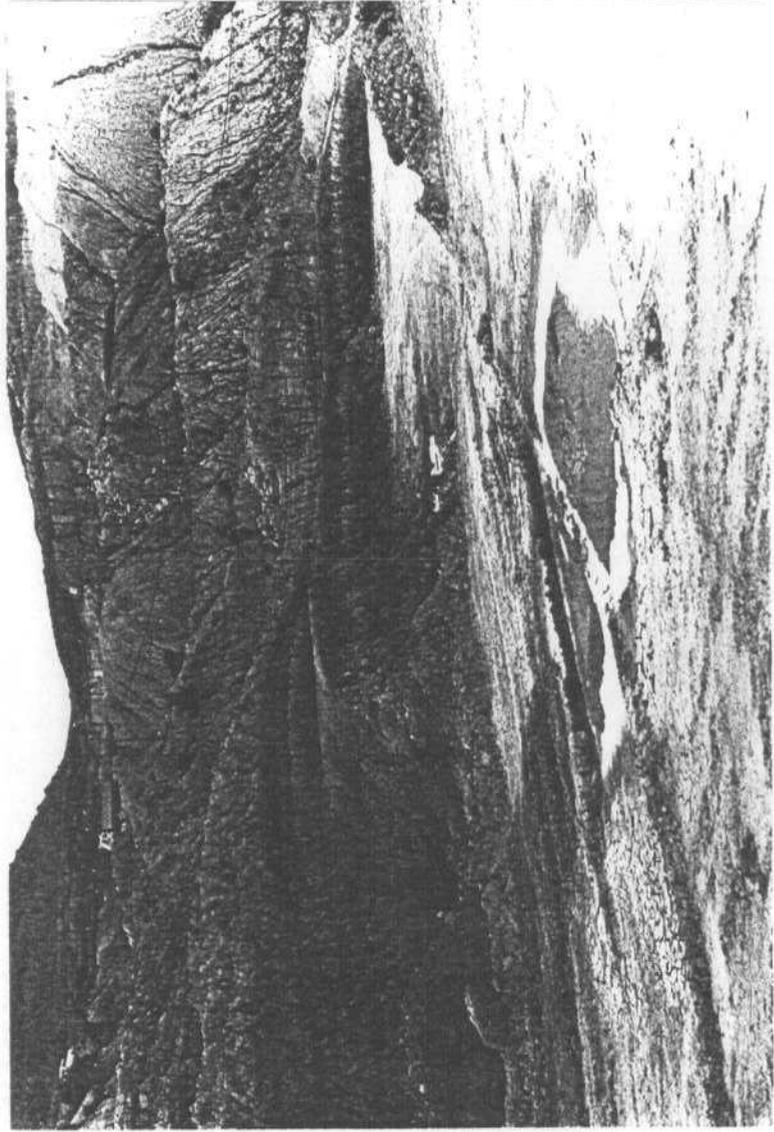
TE-38.- Galve I



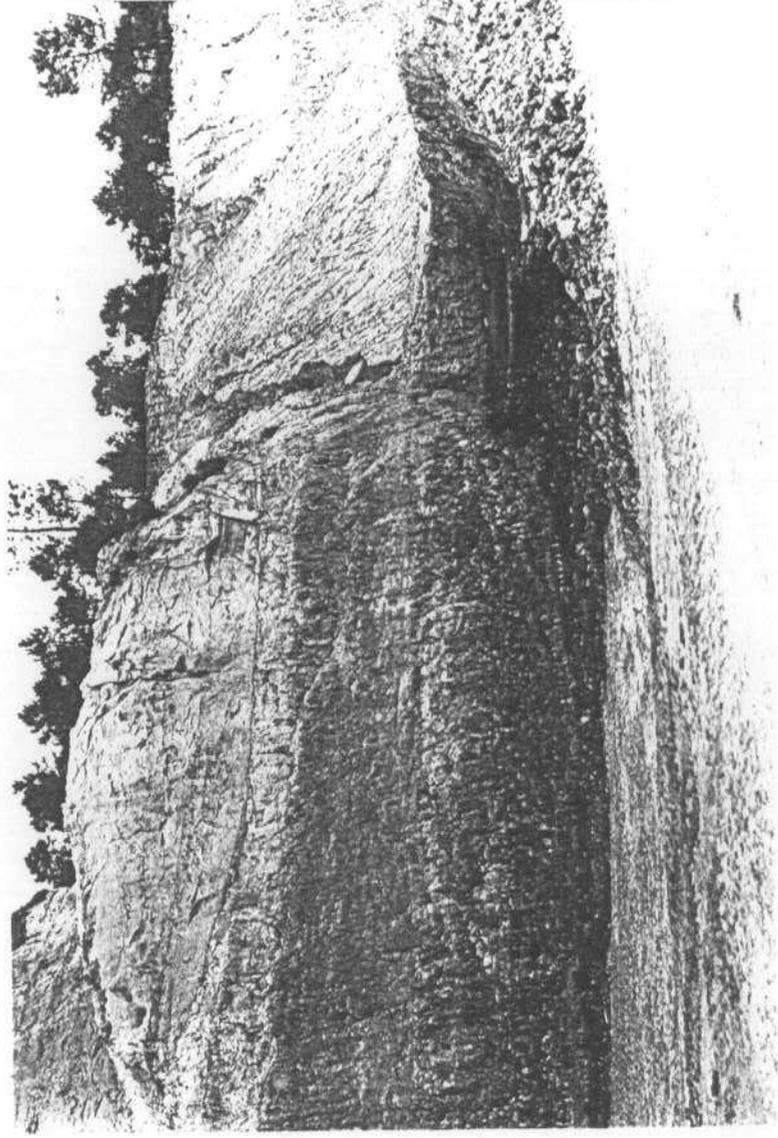
TE-39.- Adelita



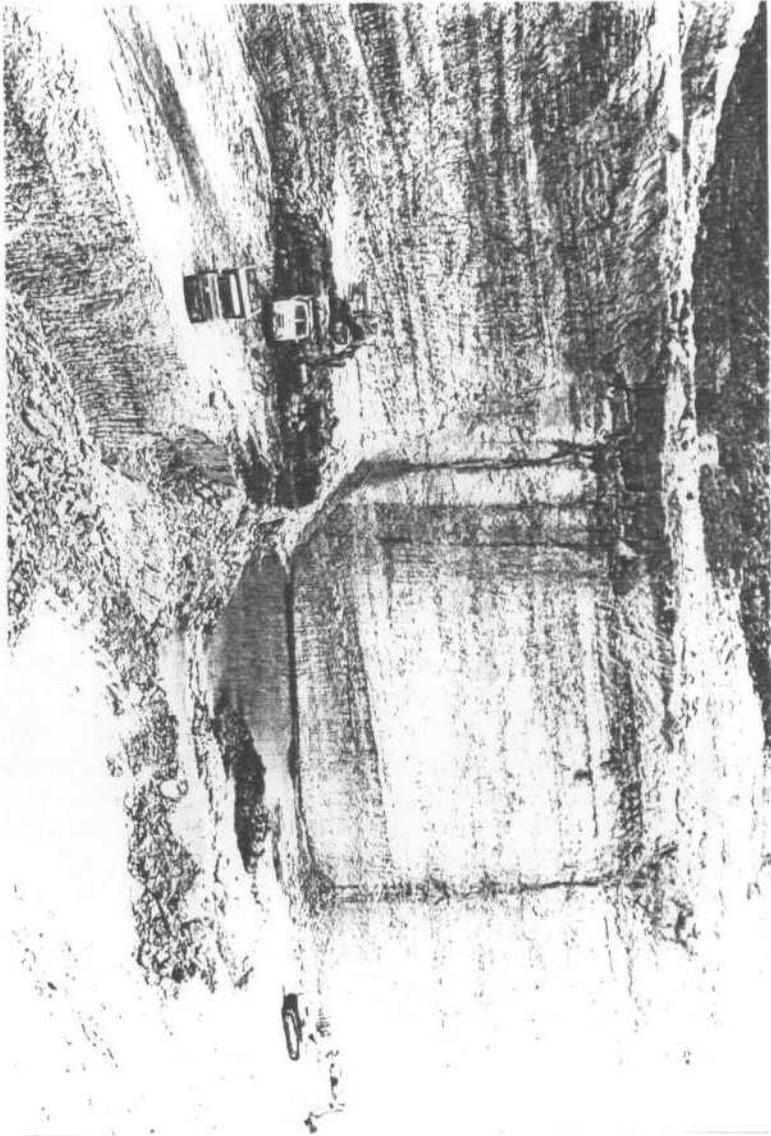
TE-40.- Soraya. Frente abandonado



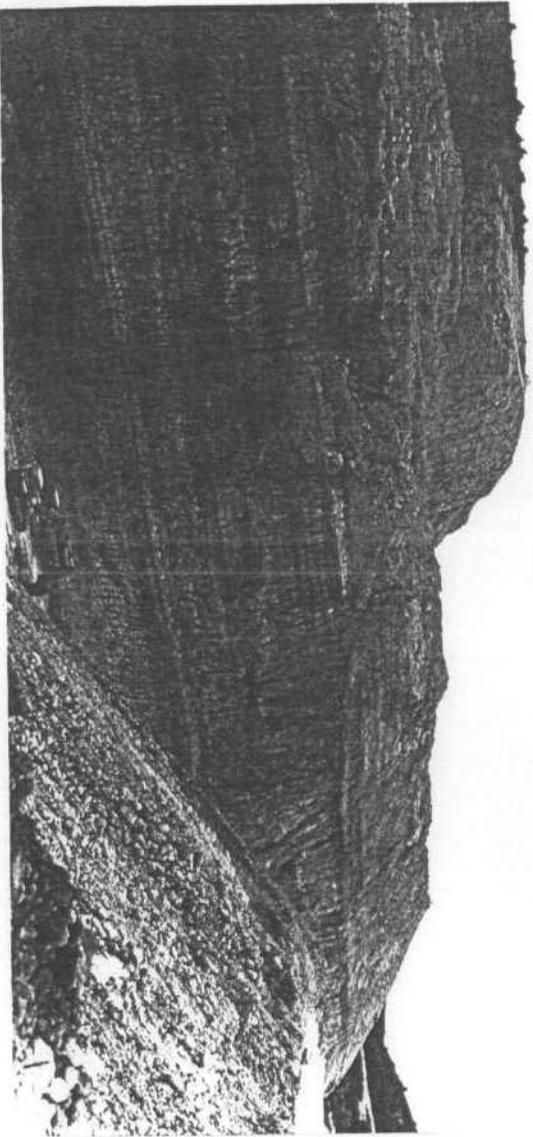
TE-41.- Soraya
Frente actual de trabajo



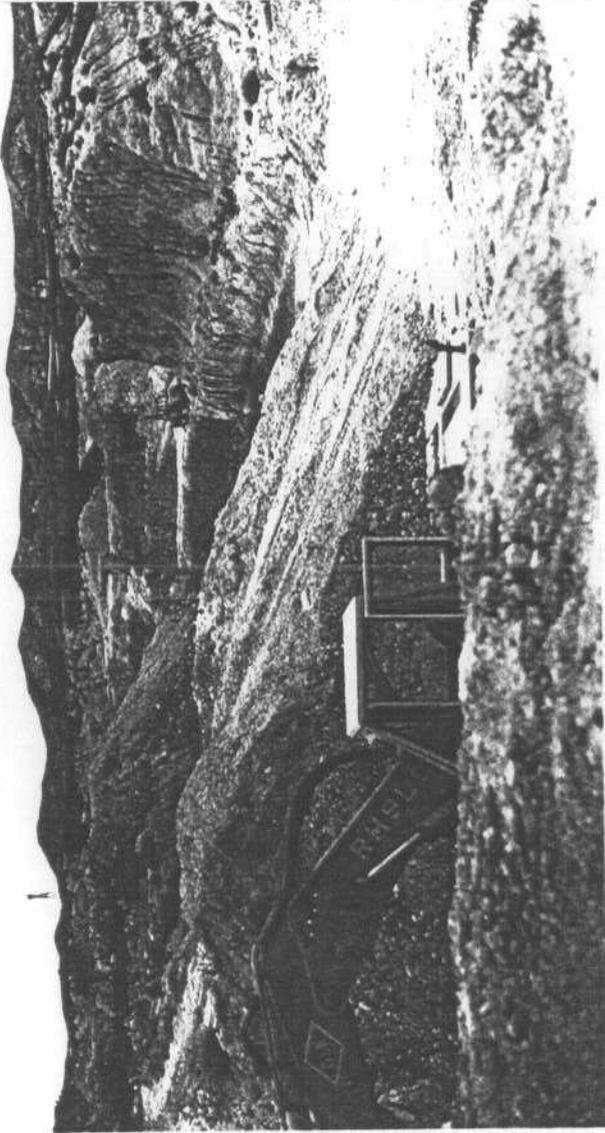
TE-42.- La Tejería



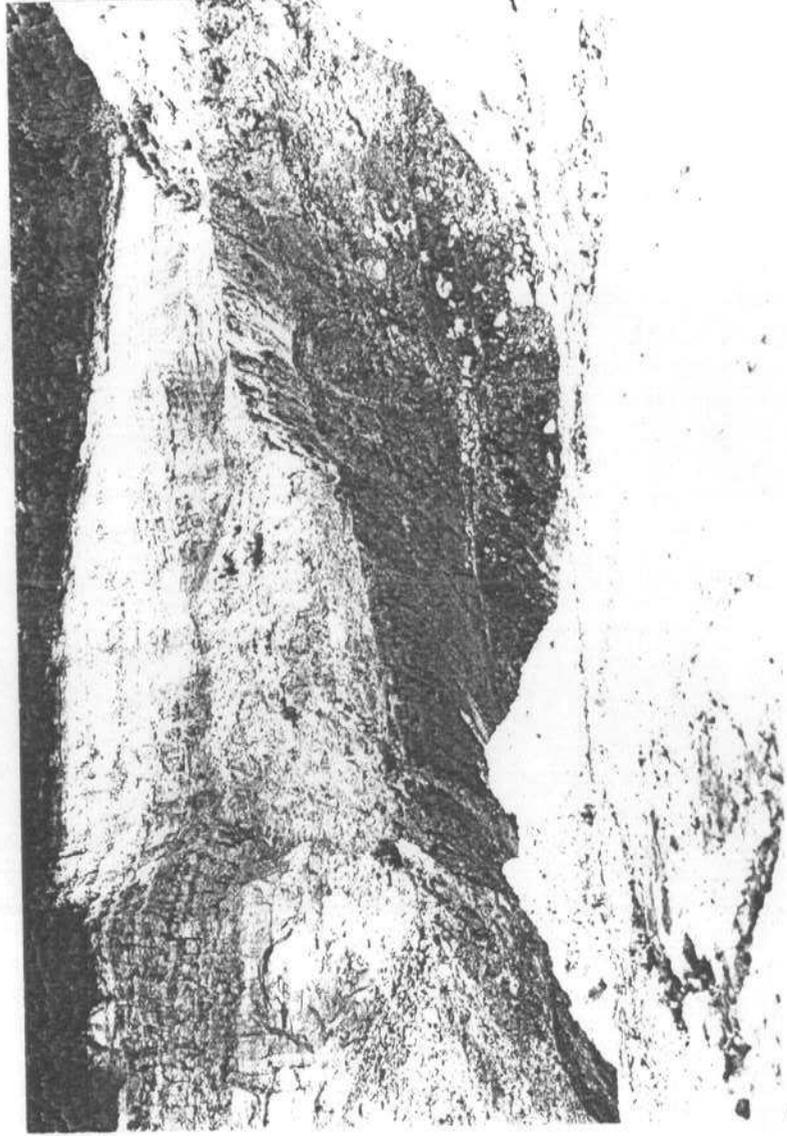
TE-43.- Ortega I



TE-44.- Ortega I



TE-45.- Pilar 1a y Predio Ana

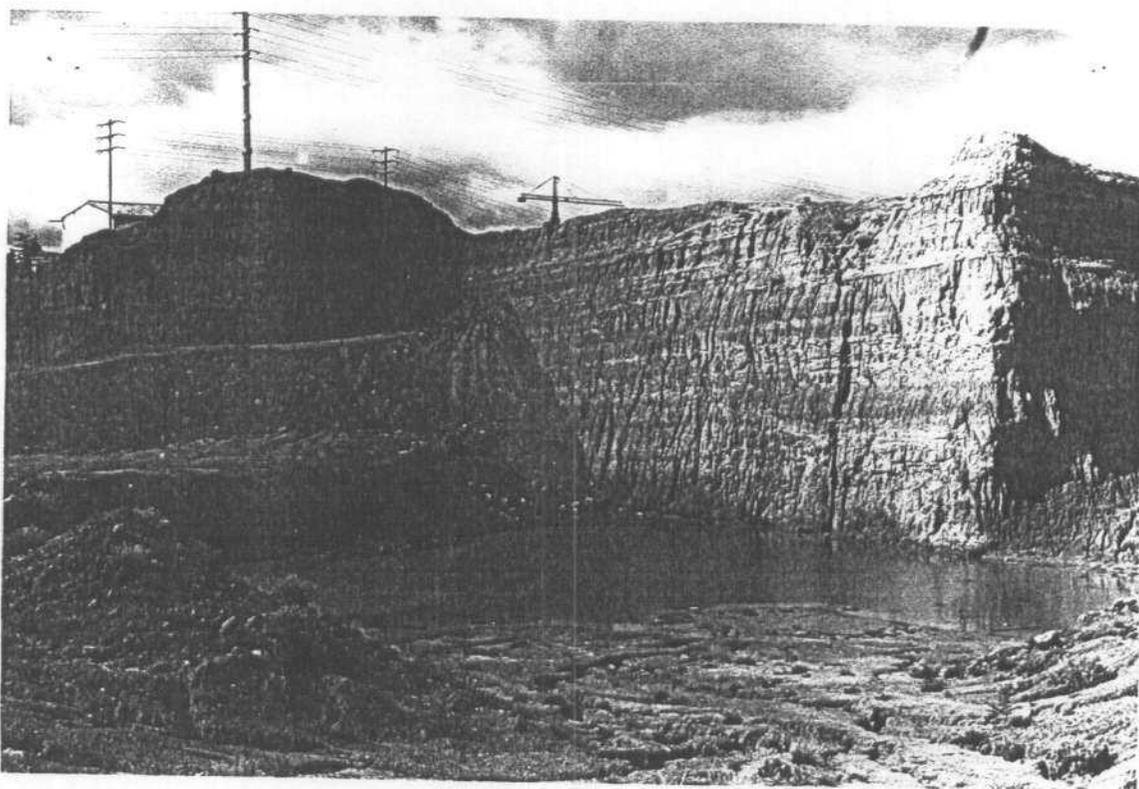


TE-46.- Rafales

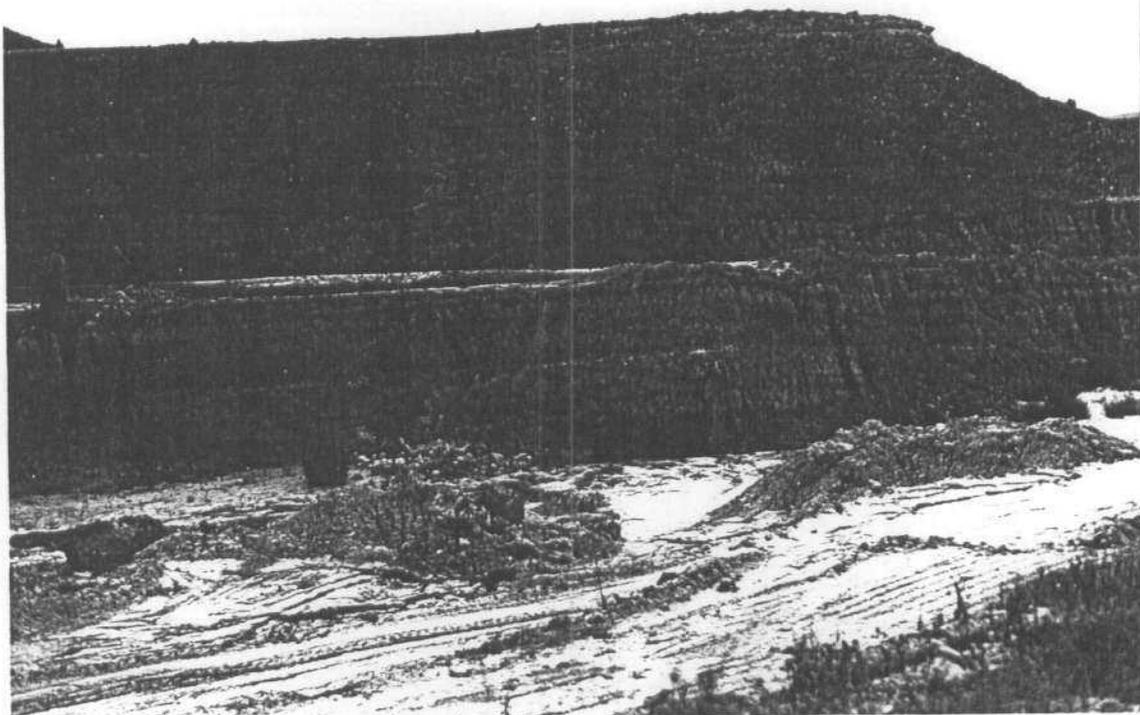
2.2.- CANTERAS DE ARCILLAS COMUNES



TE-47.- Choriceros



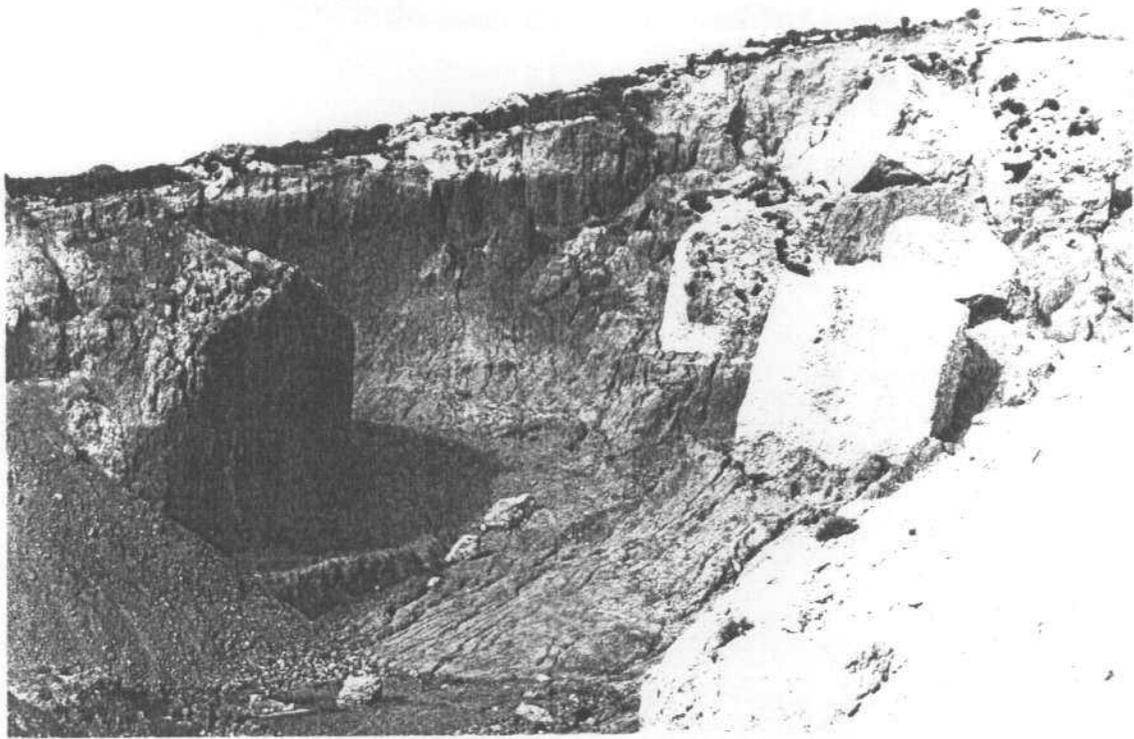
TE-48.- Choriceros II



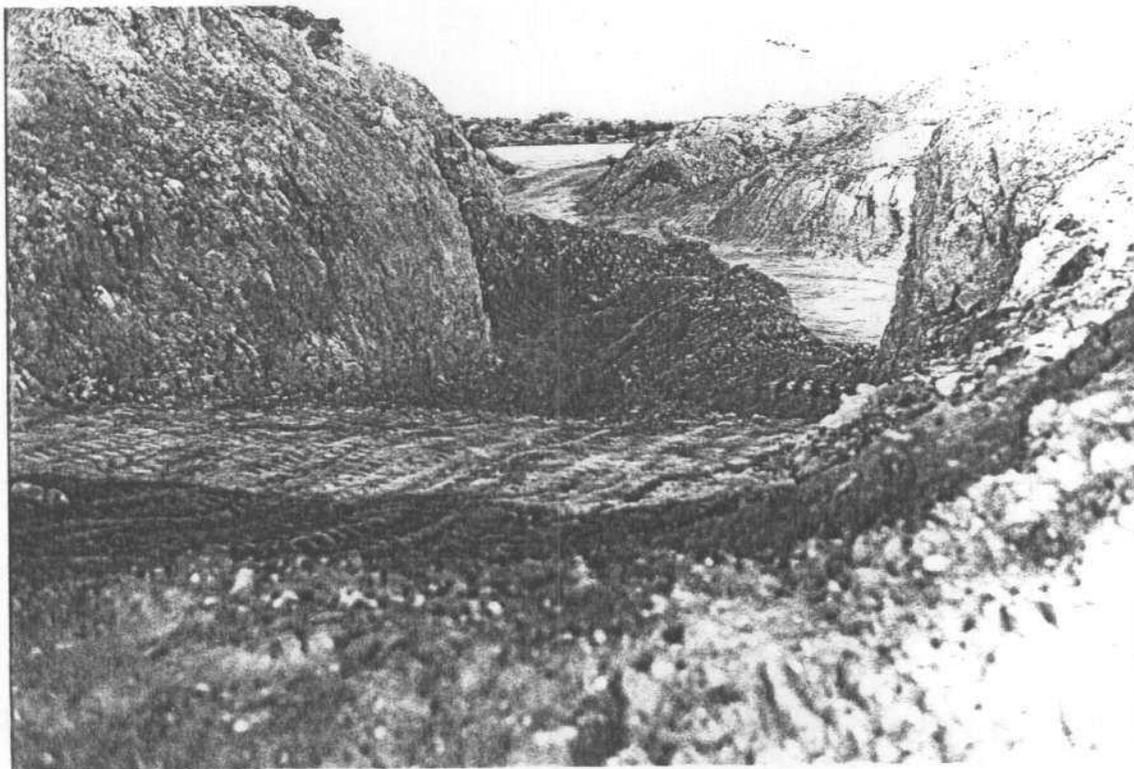
TE-49.- La Escareluera



TE-50.- Valmuel

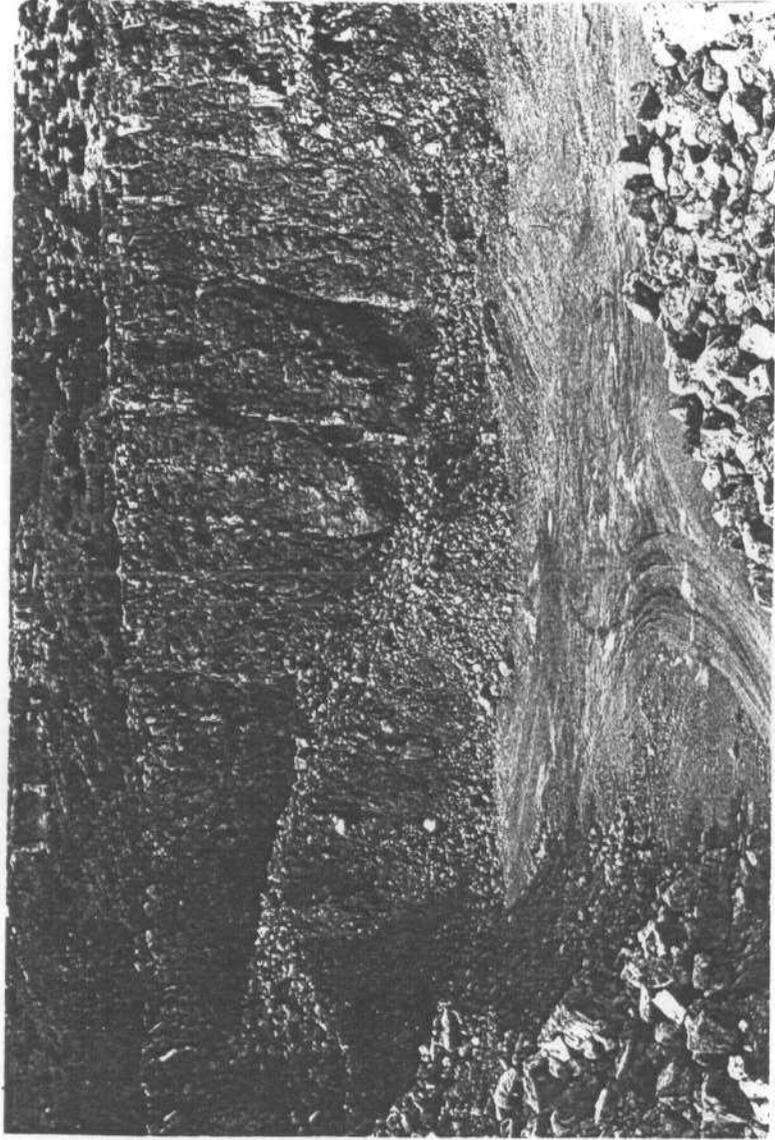


TE-51.- La Corrida

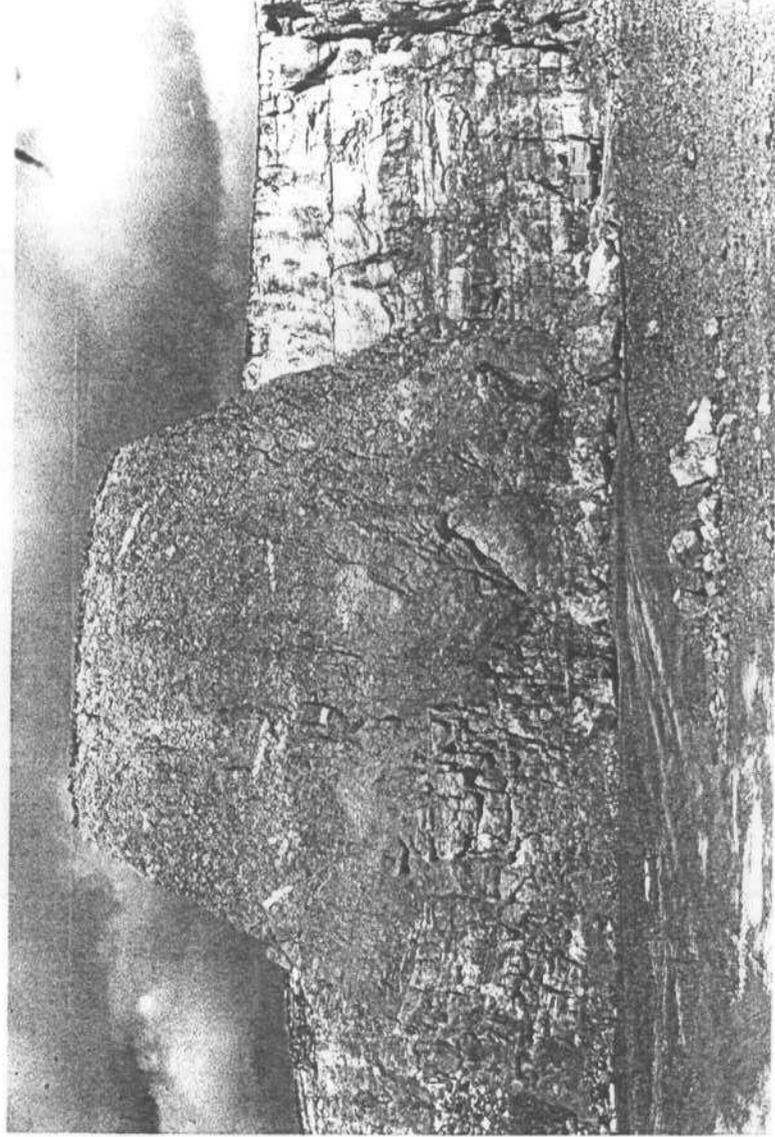


TE-52.- Val de Ariño

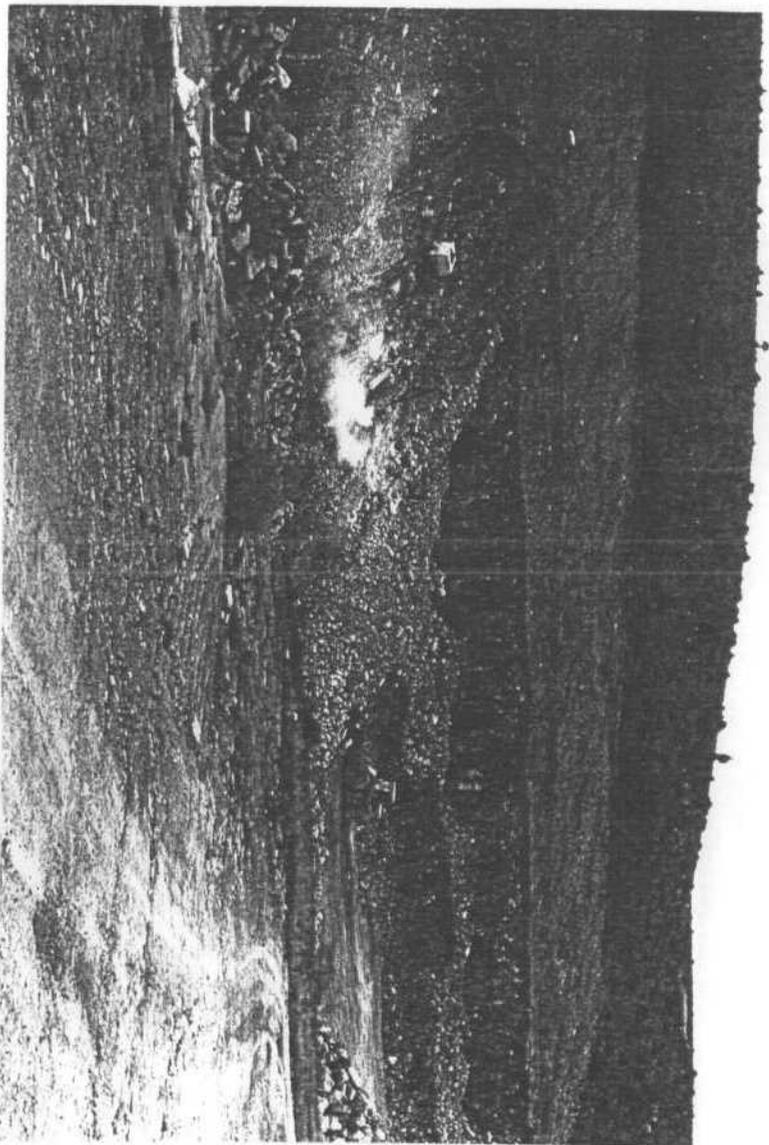
2.3.- CANTERAS DE CALIZA



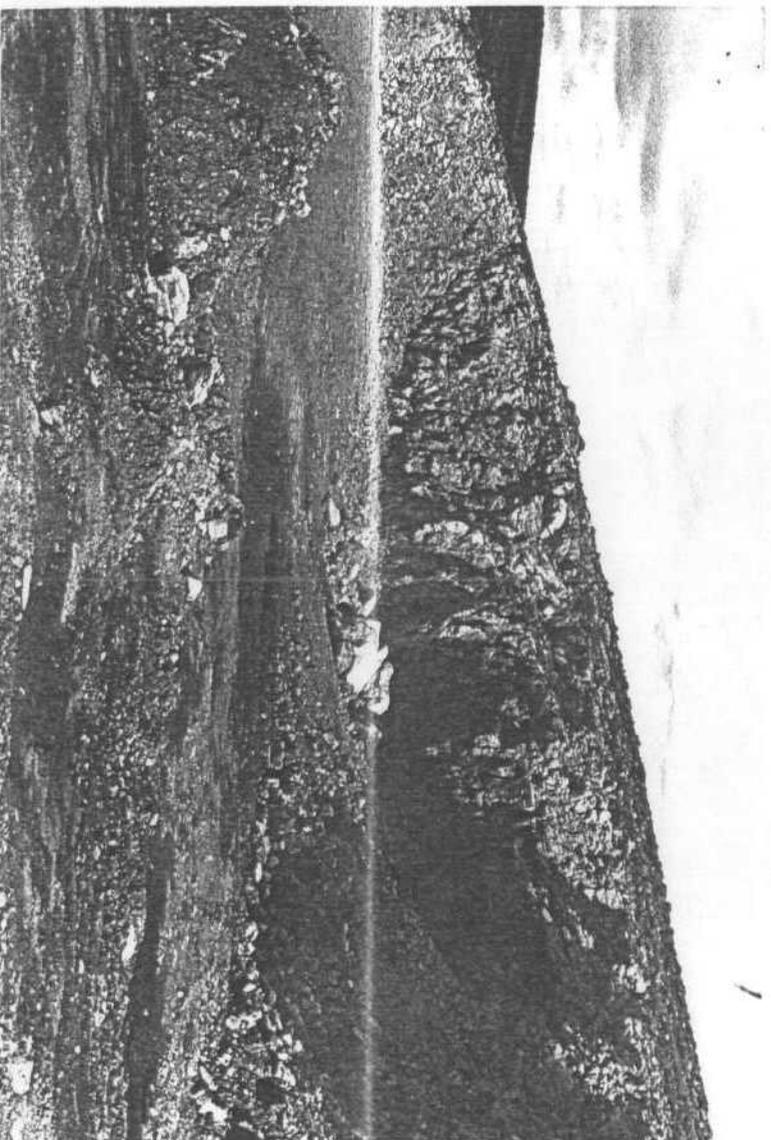
TE-53.- Los Arquillos



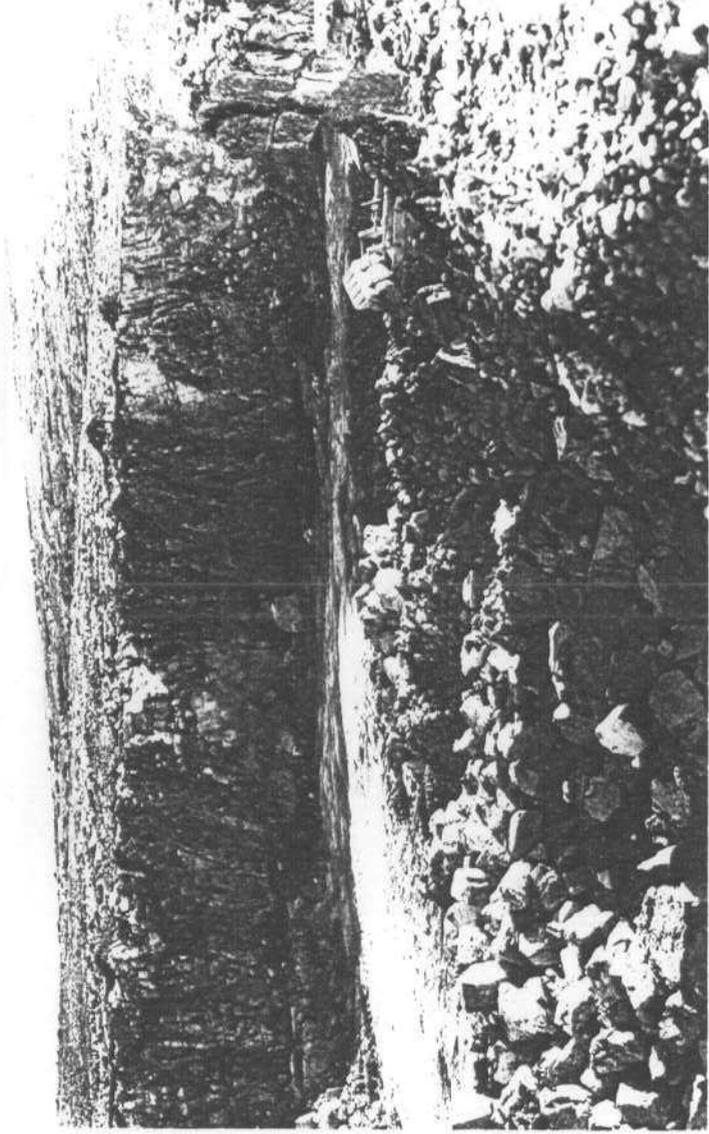
TE-54.- El Murciélago
(En primer plano caballón dejado en medio
de la plaza, al fondo banco de trabajo)



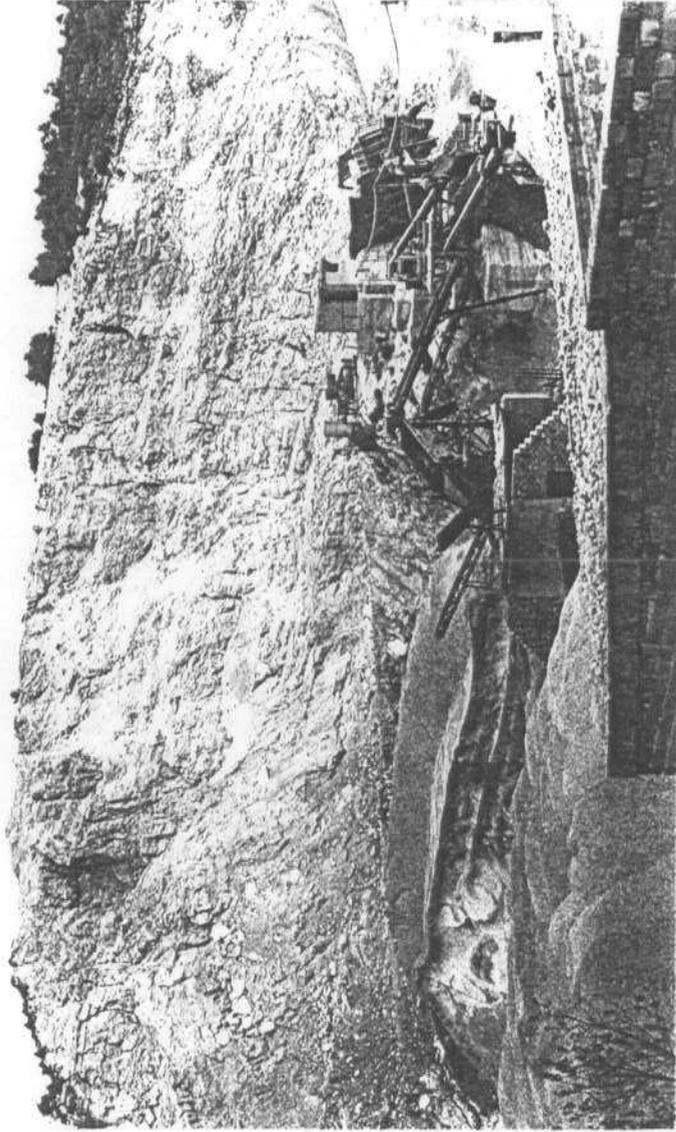
TE-55.- Calarizo del Castelar



TE-56.- Río Valle

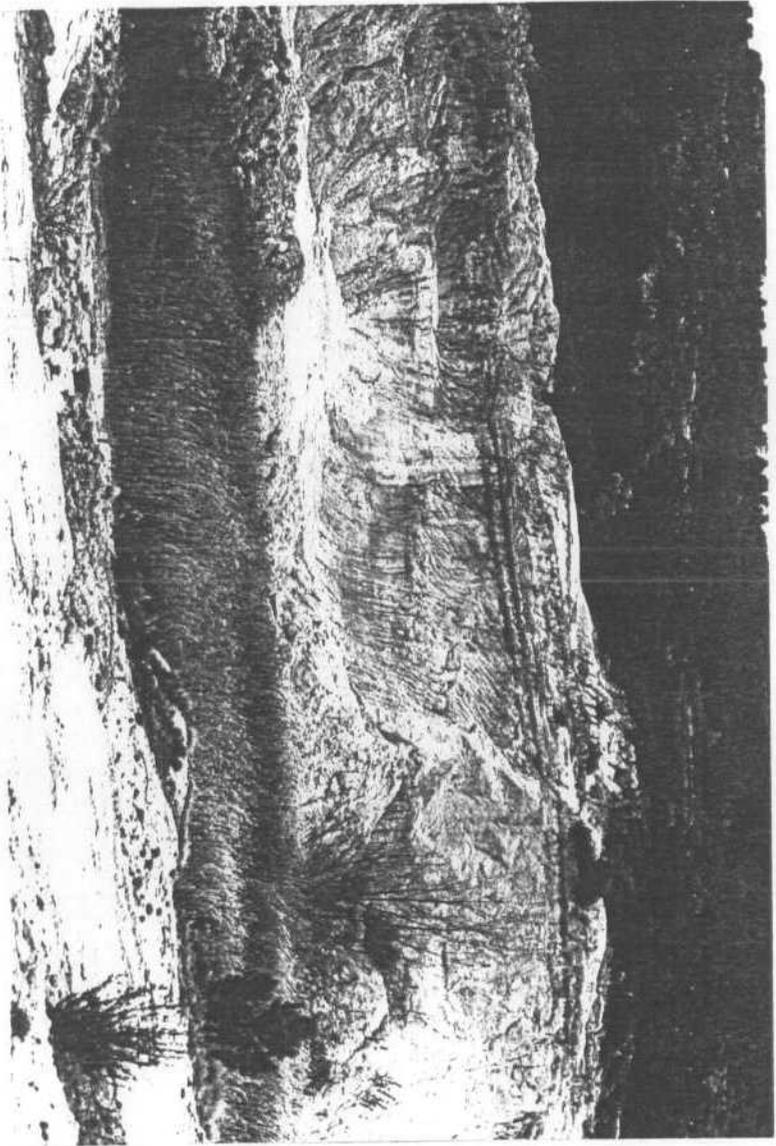


TE-57.- Cerro del Peño

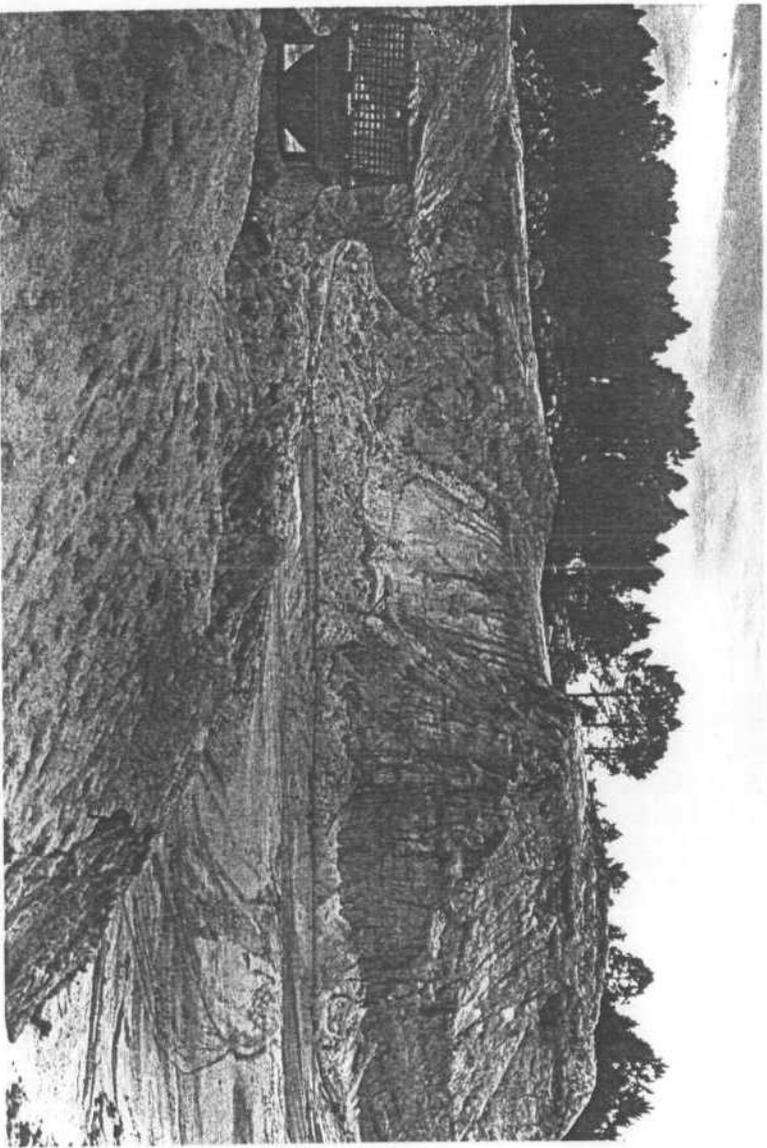


TE-58.- Clavero

2.4.- CANTERAS DE ARIDOS NATURALES



TE-59.- Los Romerales



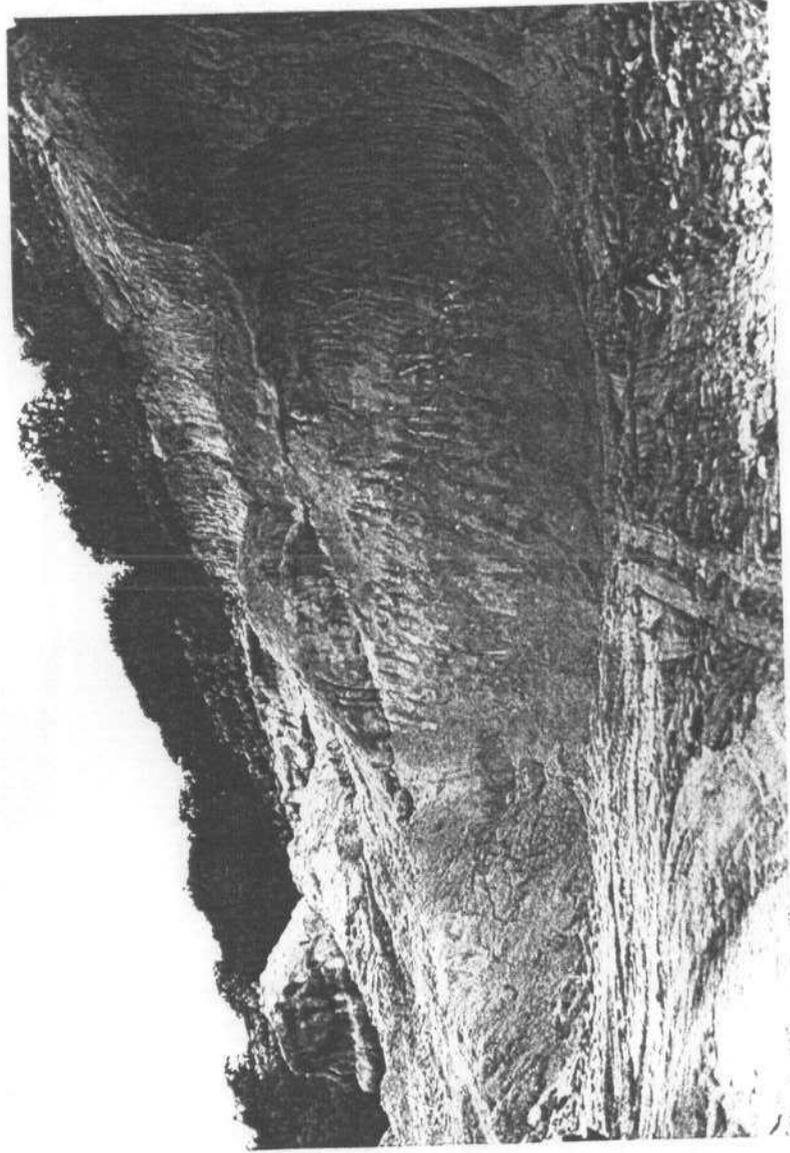
TE-60.- La Laguna



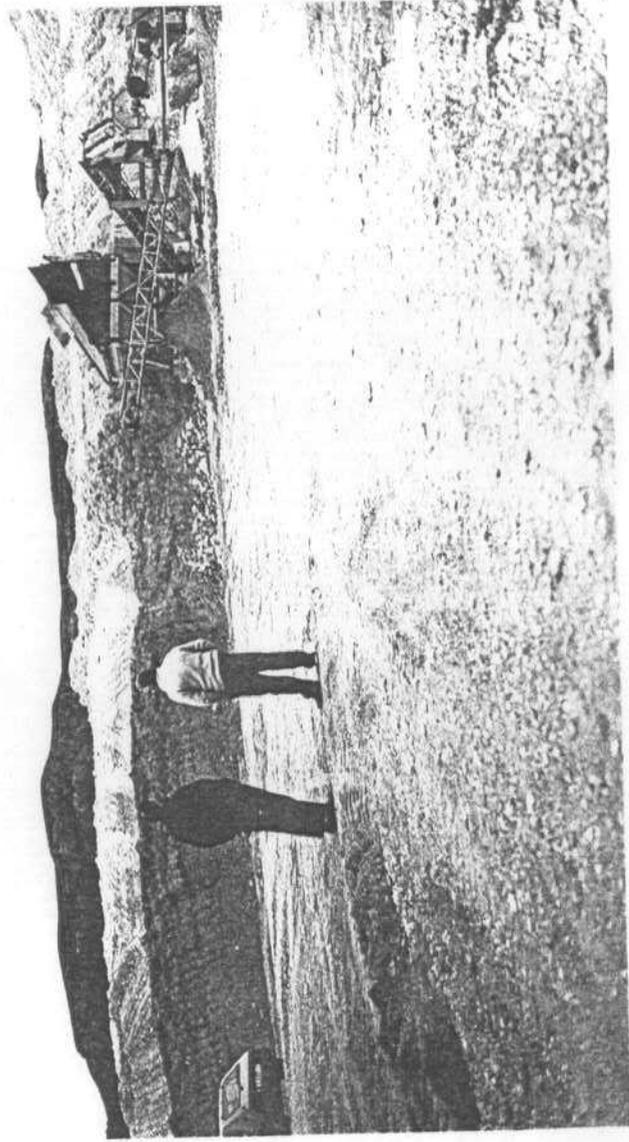
TE-61.- Curto



TE-62.- Celina



TE-63.- Margarita



TE-64.-Cantera de Manuel Clavería en
Albalate del Arzobispo



TE-65.- Paso de Intarsa (frente parado)



TE-66.- Paso de Intarsa (Explotación sobre terraza río Bergante)

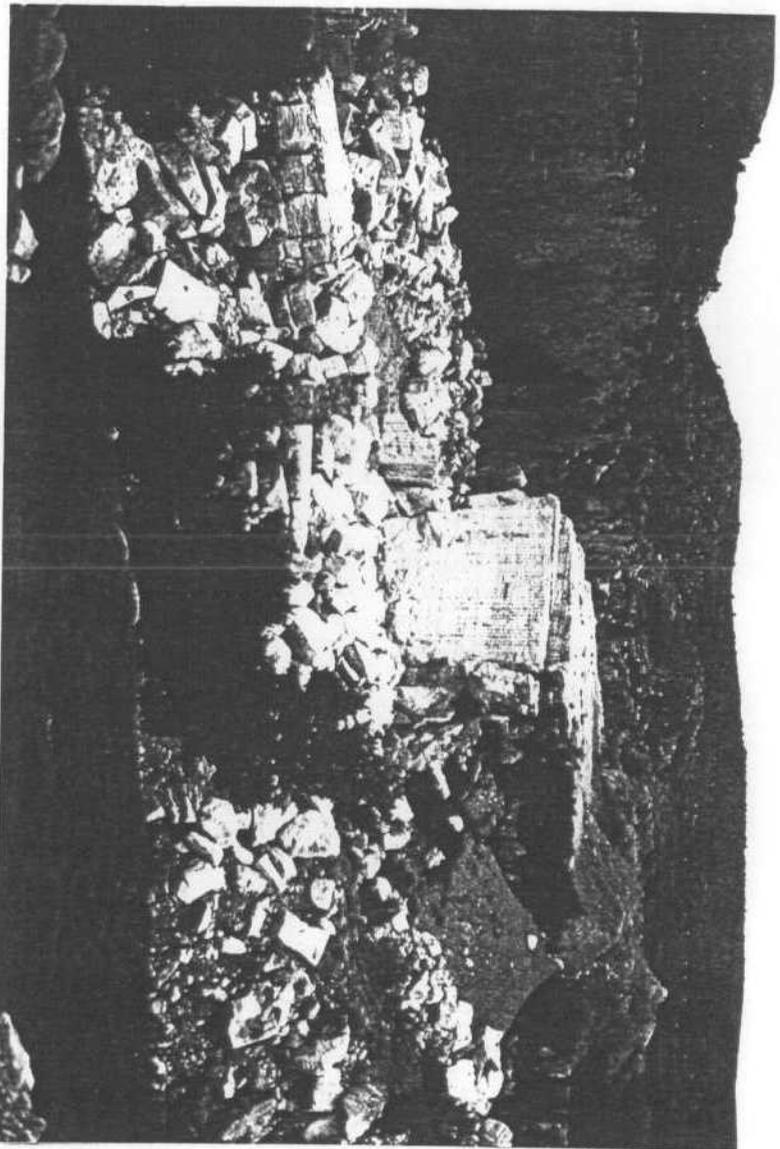
2.5.- CANTERAS DE OTRAS SUSTANCIAS



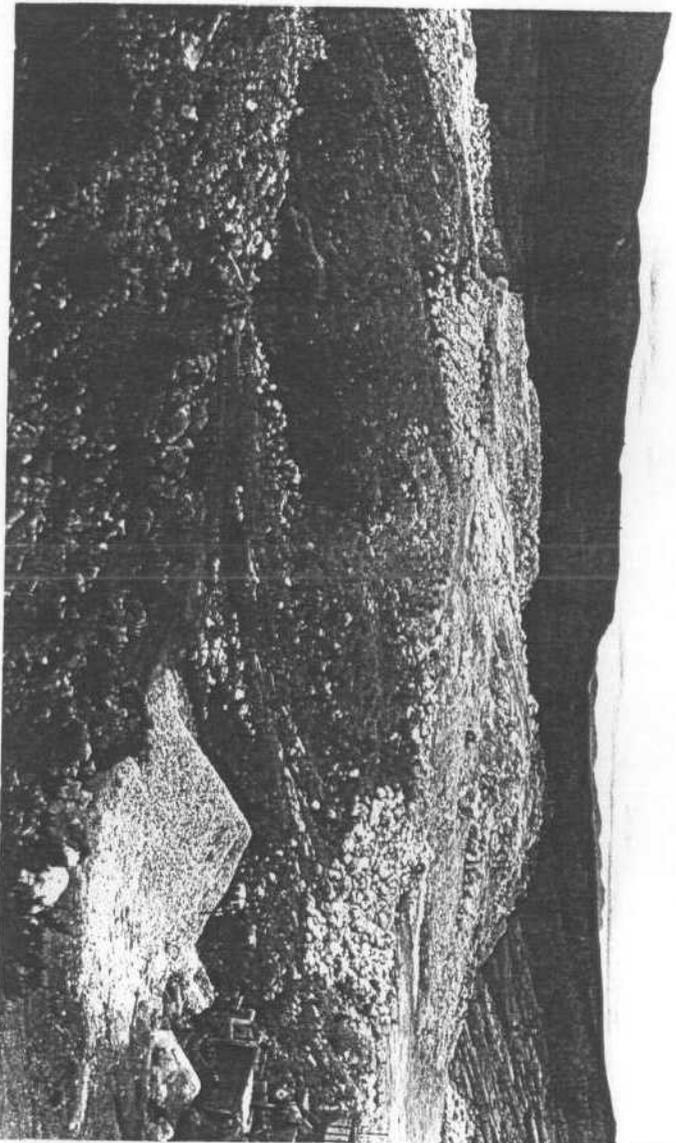
TE-67.- Monteagudo (Caliza Ornamental)



TE-68.- María Amparo (margas para cemento rápido)



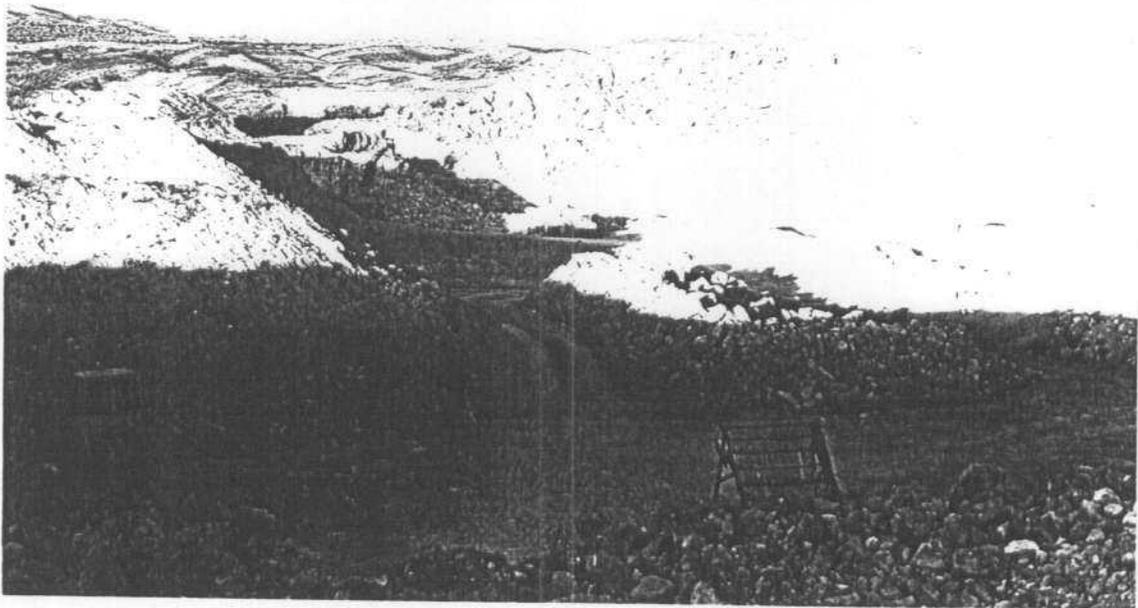
TE-69. - La Escareluera (Caliza Ornamental)



TE-70. - La Flor (Yeso)
Vista general



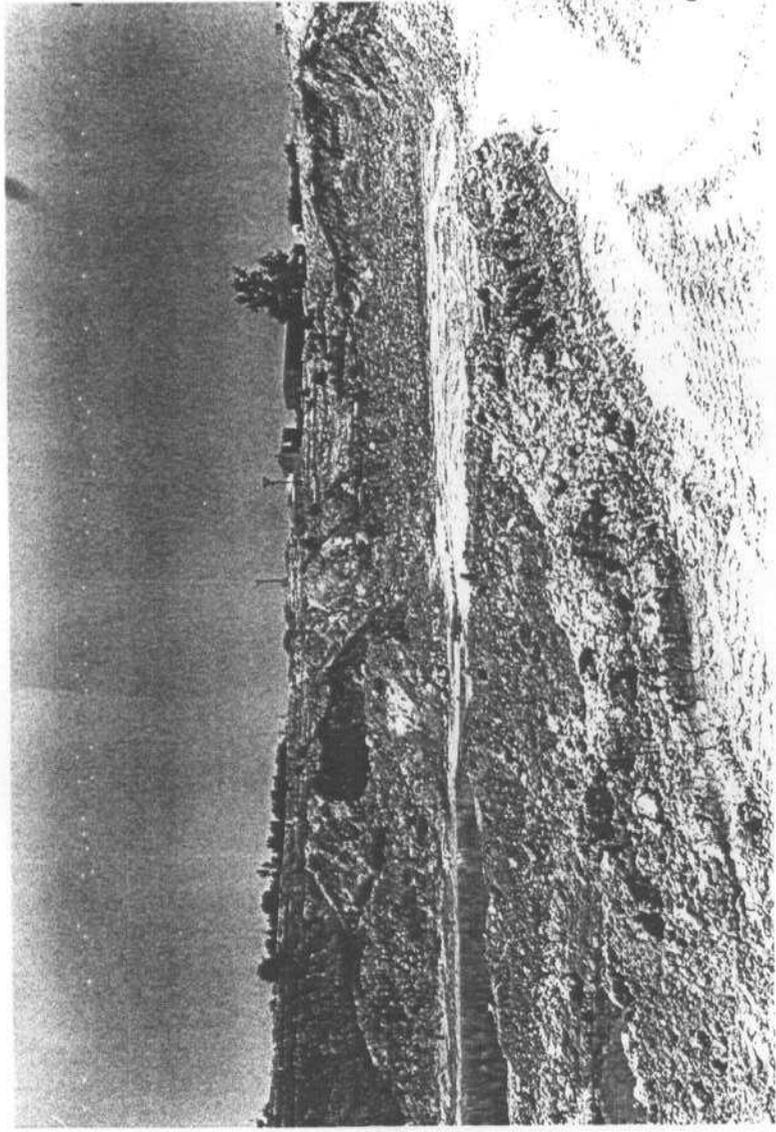
TE-71.- La Flor (Yeso)
Detalle de banco de trabajo



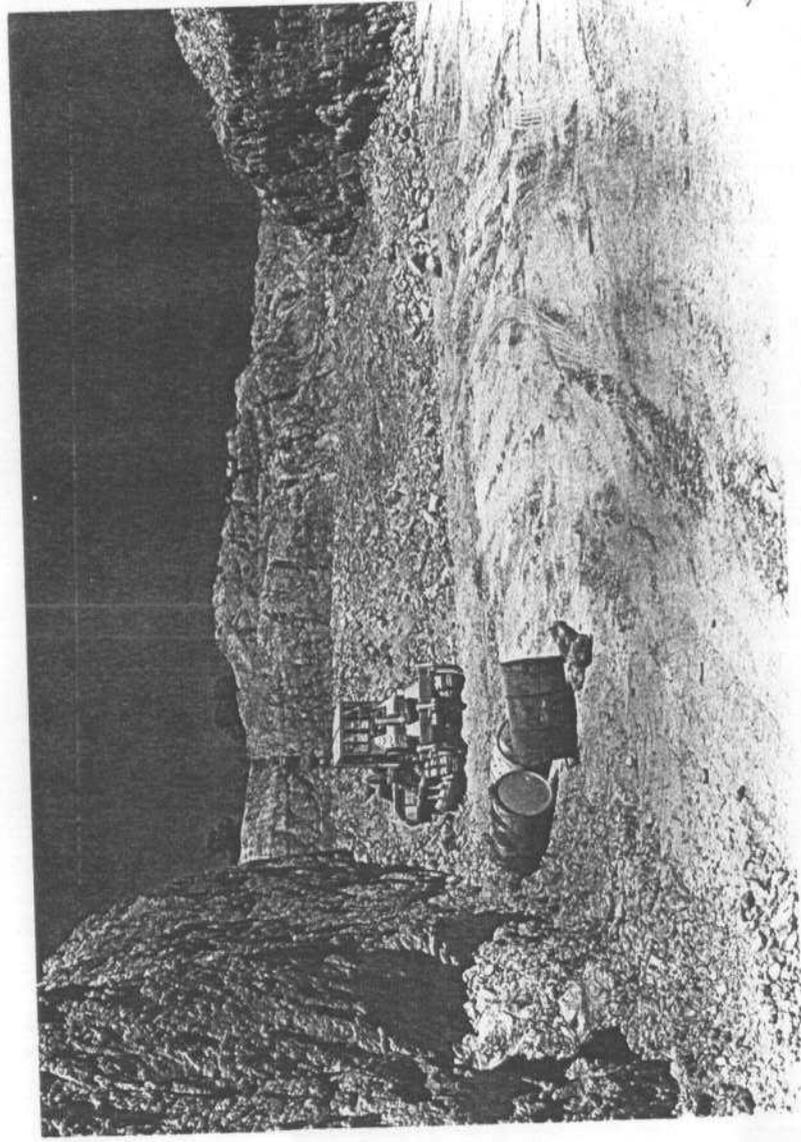
TE-72.- Poyos (Yeso)

3.- PROVINCIA DE HUESCA

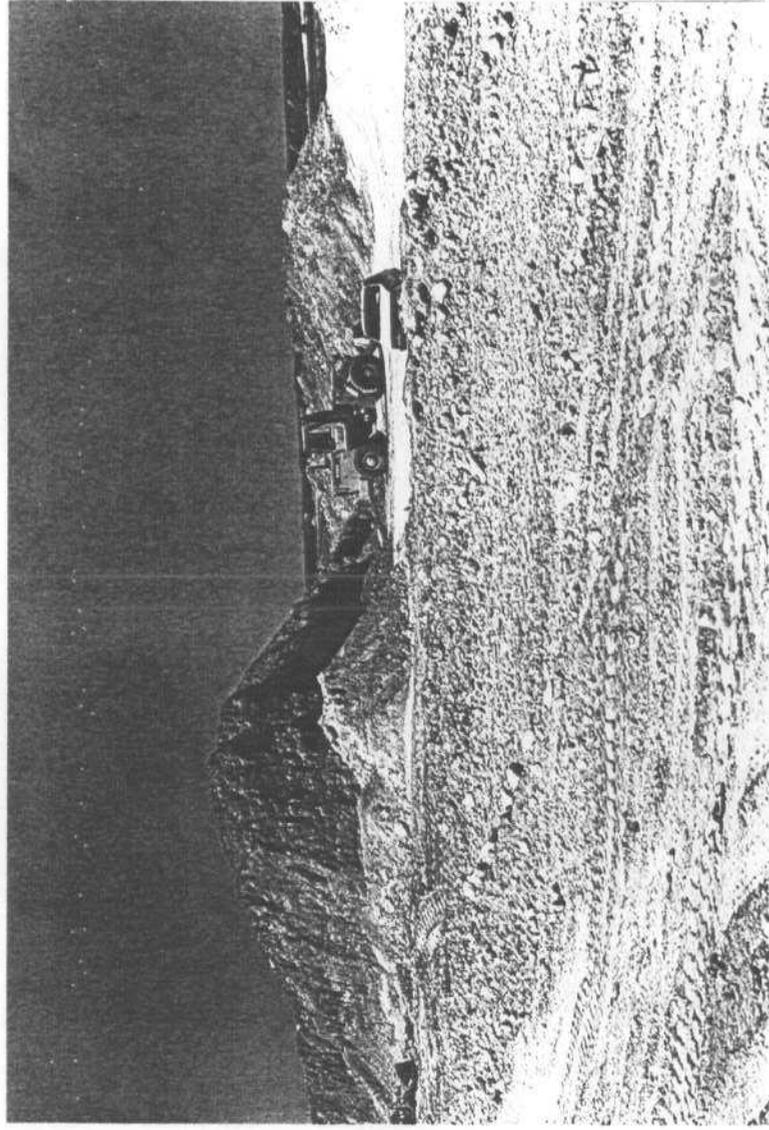
3.1.- CANTERAS DE ARCILLA



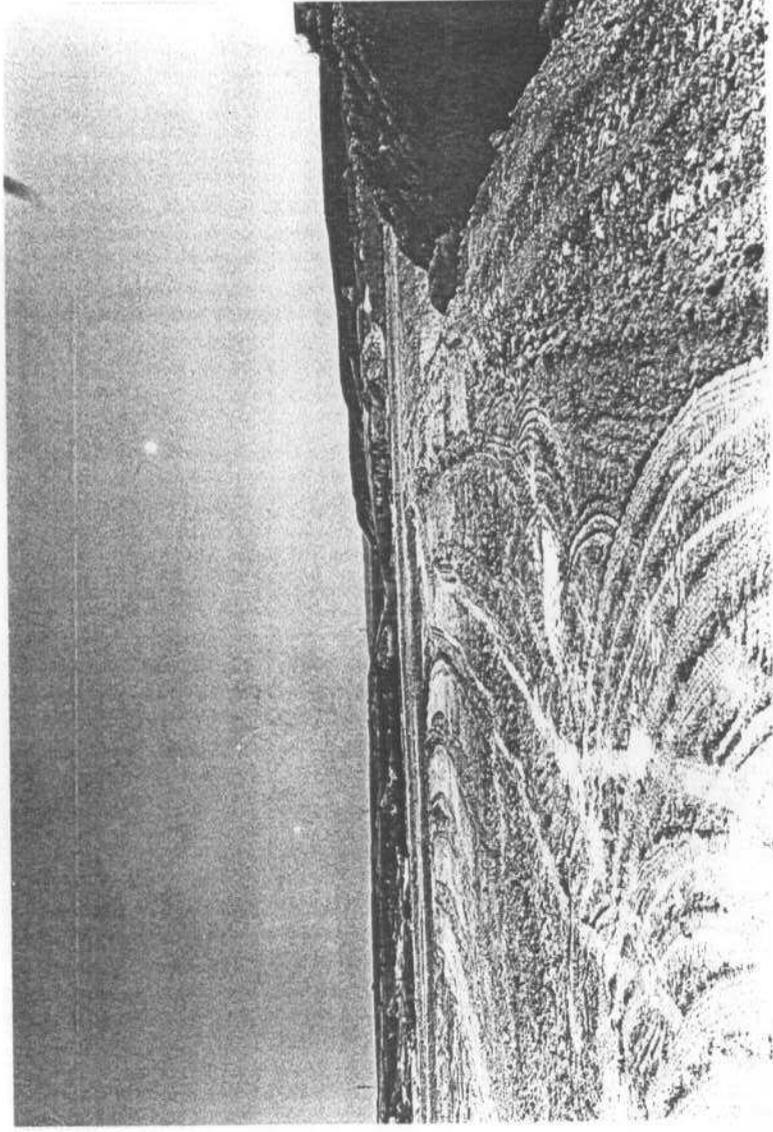
HU-1.- Santa Teresa



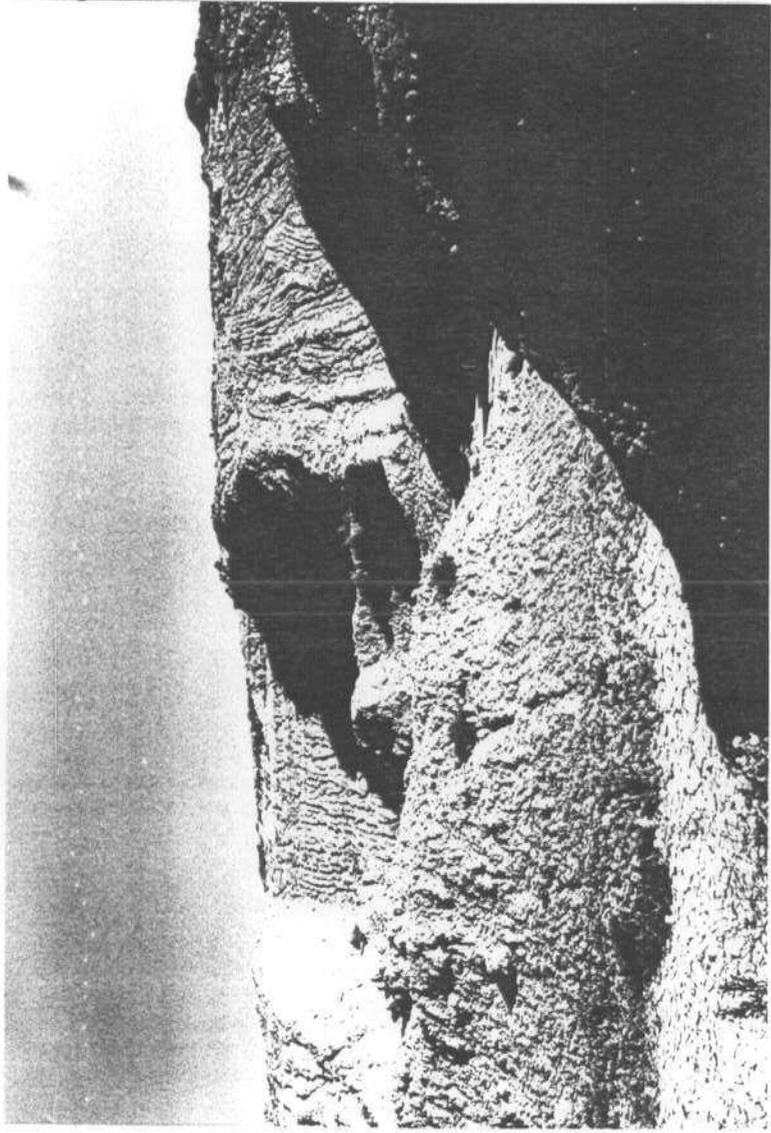
HU-2.- Julia



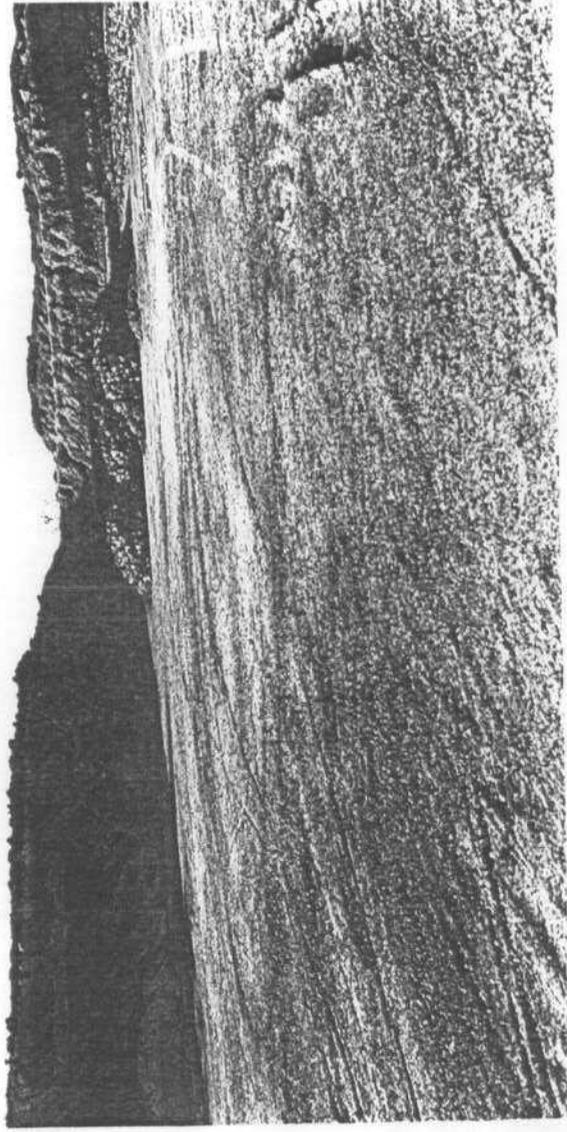
HU-3.- Area en explotación de la Cerámica Dobon, con acopios de arcilla, en terrenos para su transformación agrícola.



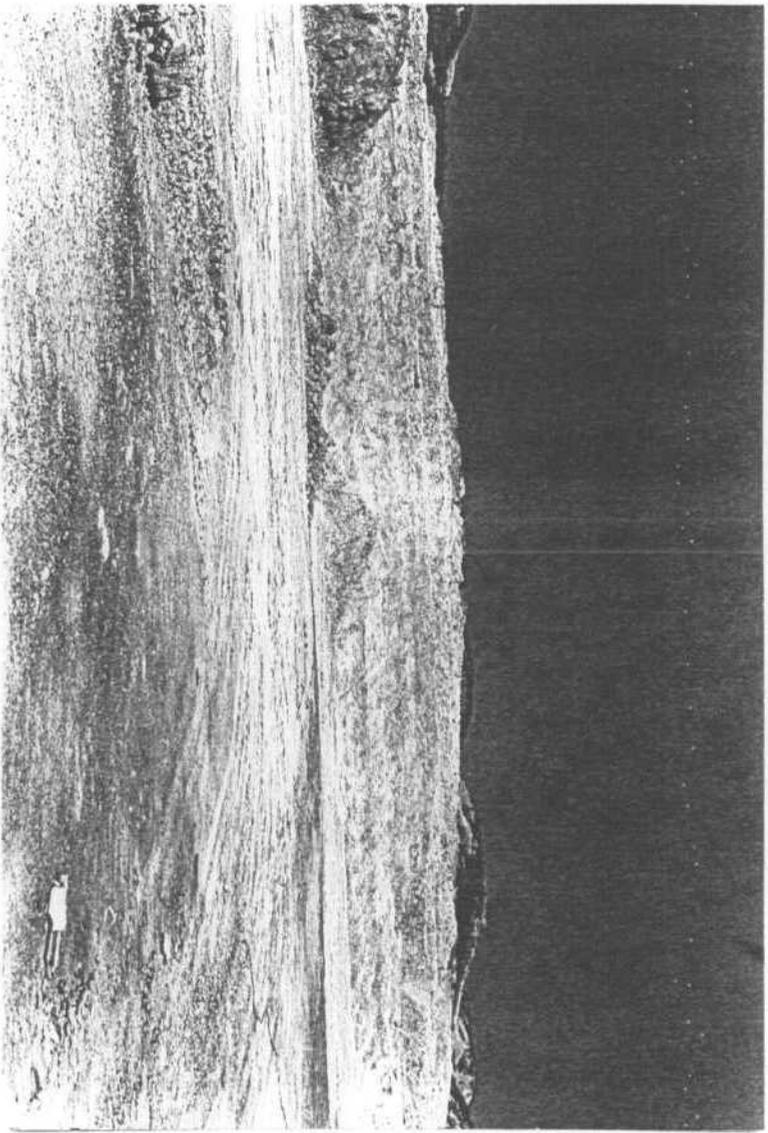
HU-4.- Terrenos ya explotados y preparados por la Cerámica Dobon para su uso agrícola



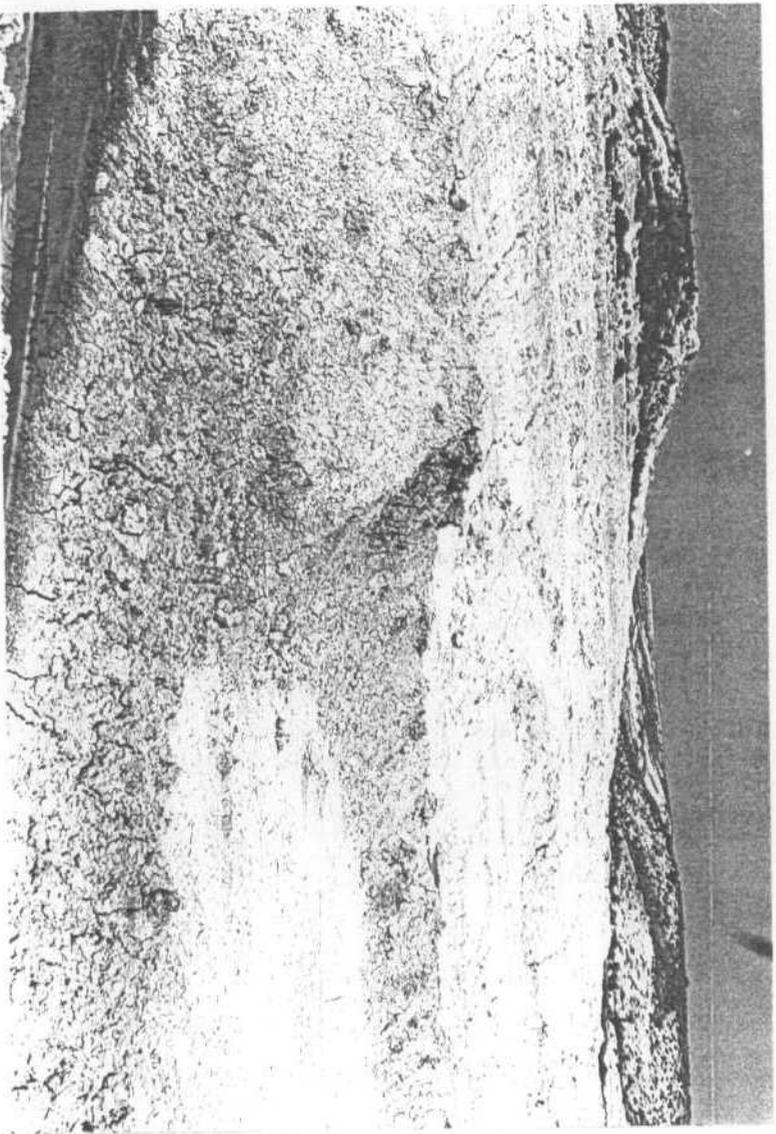
HU-5.- Santiago y Moncalver



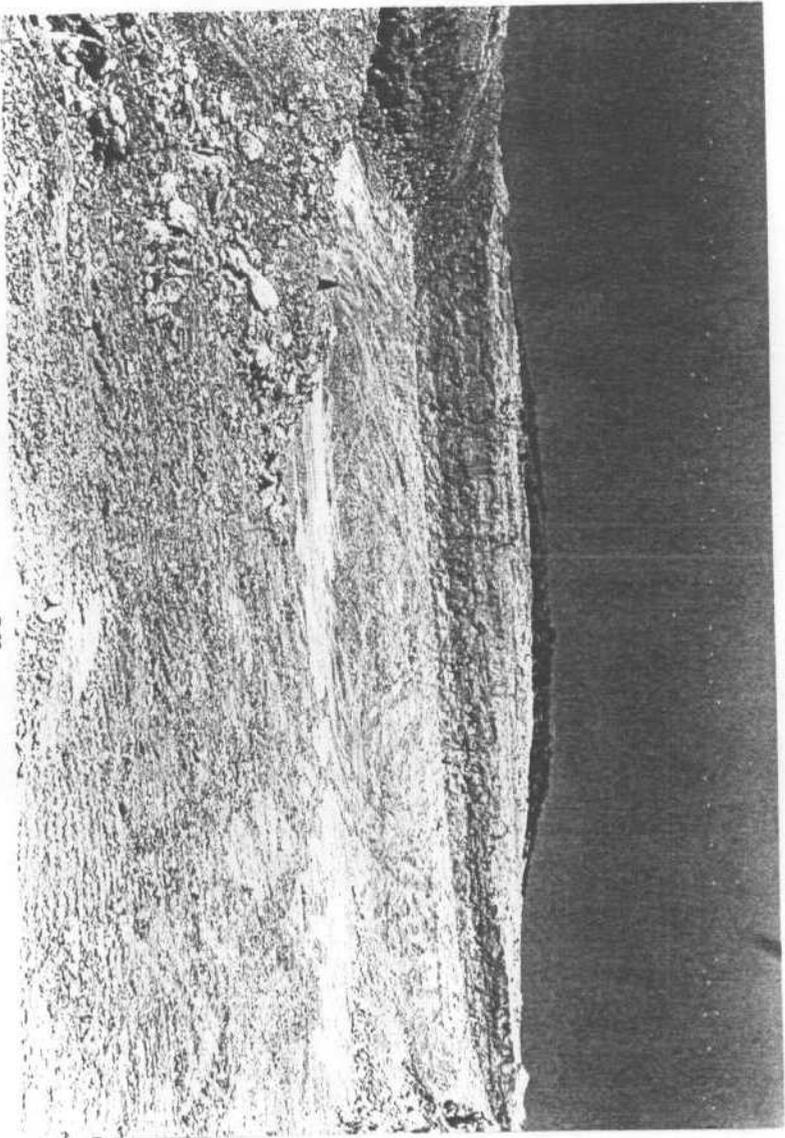
HU-6.- Santubiles - Las Paules



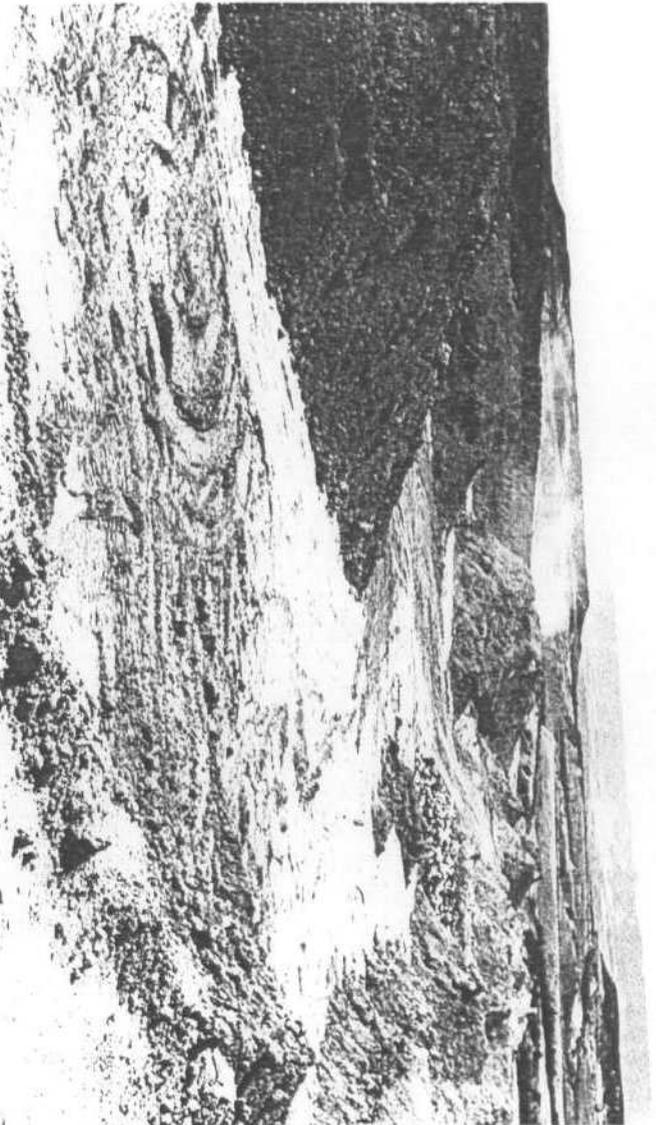
HU-7.- La Palera (1^{er} Frente)



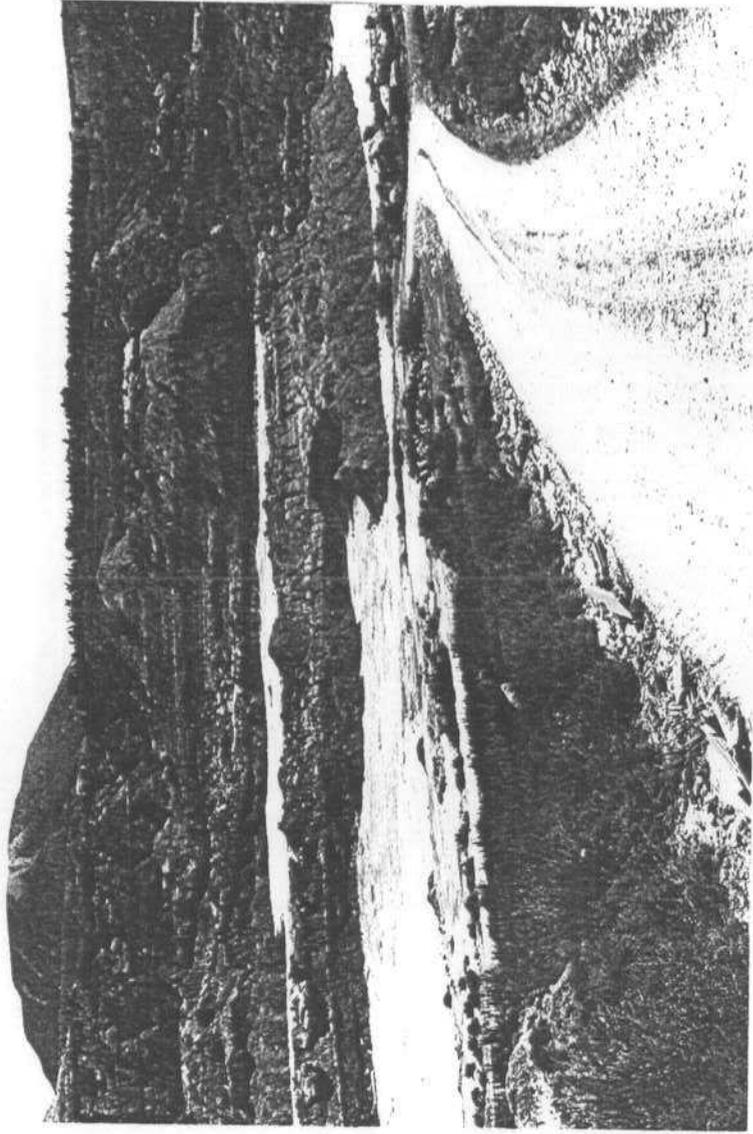
HU-8.- La Palera (2o Frente)



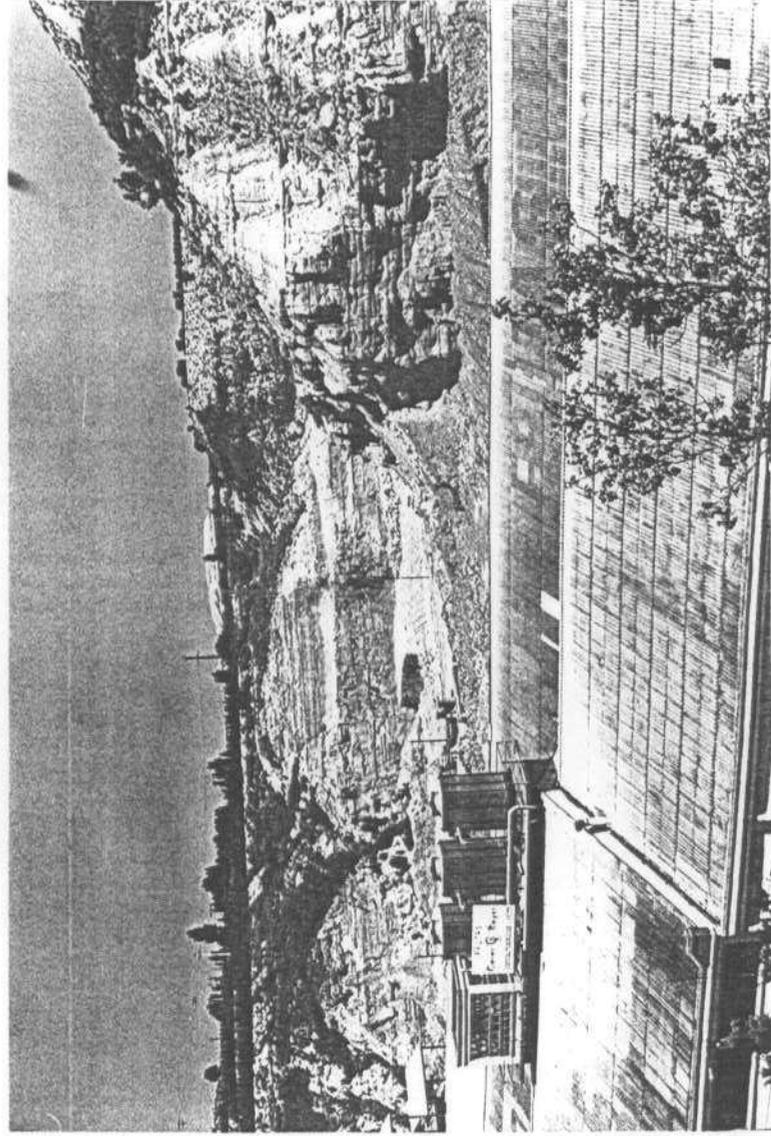
HU-9.- La Palera (3^{er} frente)



HU-10.- Explotación de "Ladrillos La Huerta" para su posterior transformación agrícola



HU-11.- Vincamet

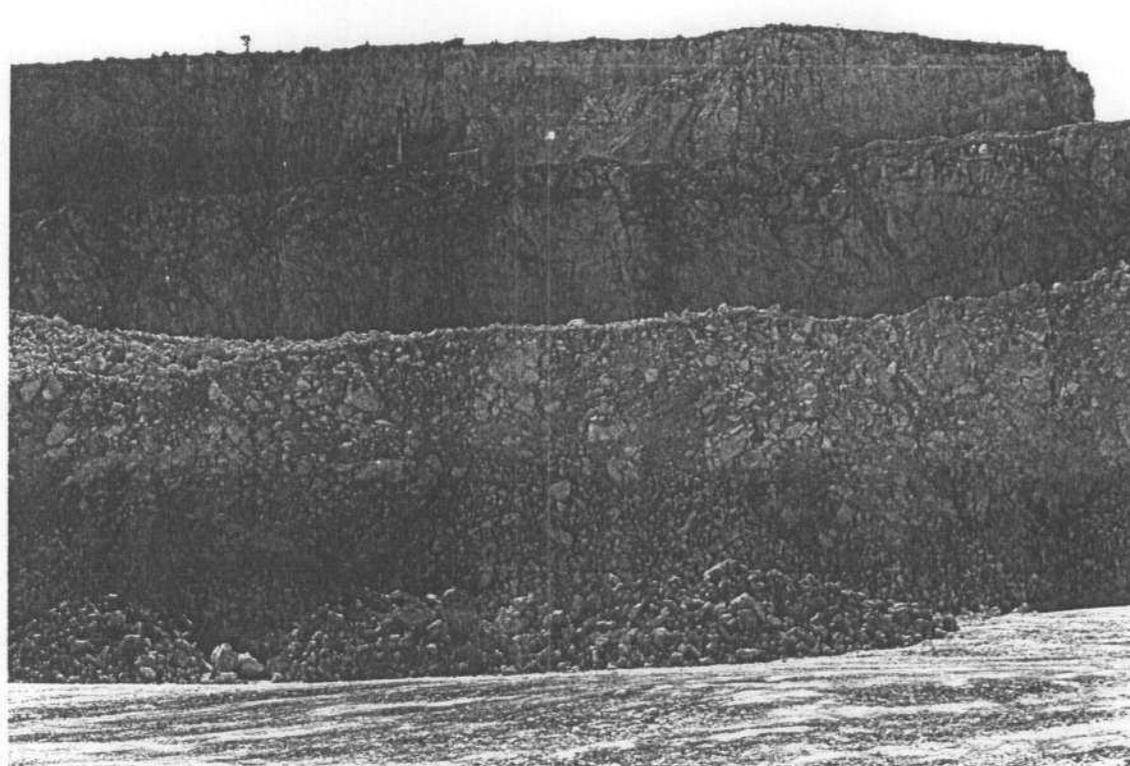


HU-12.- Fraga

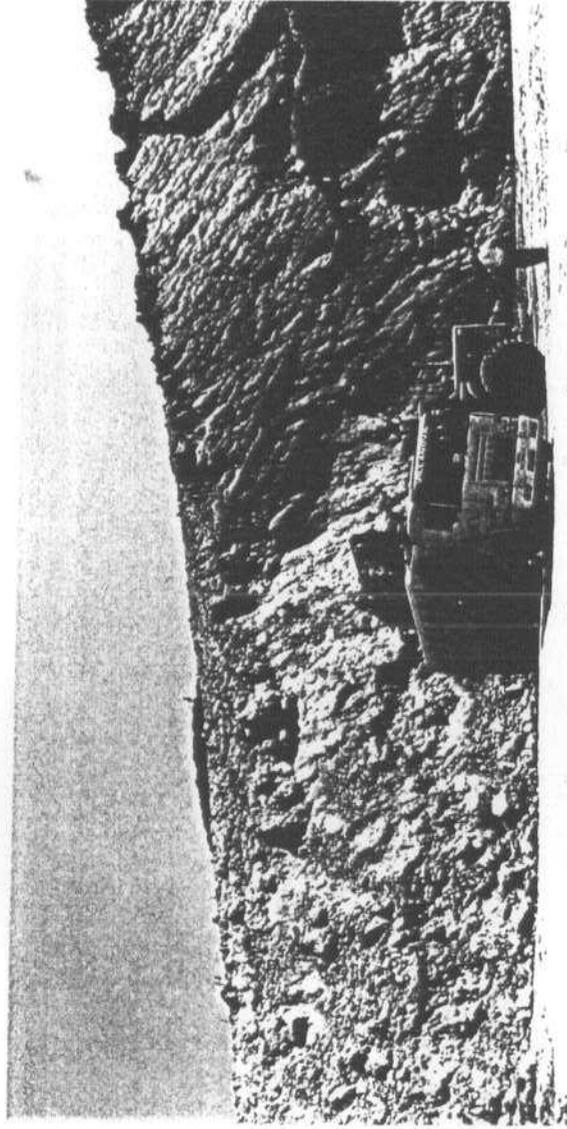
3.2.- CANTERAS DE CALIZA Y YESO



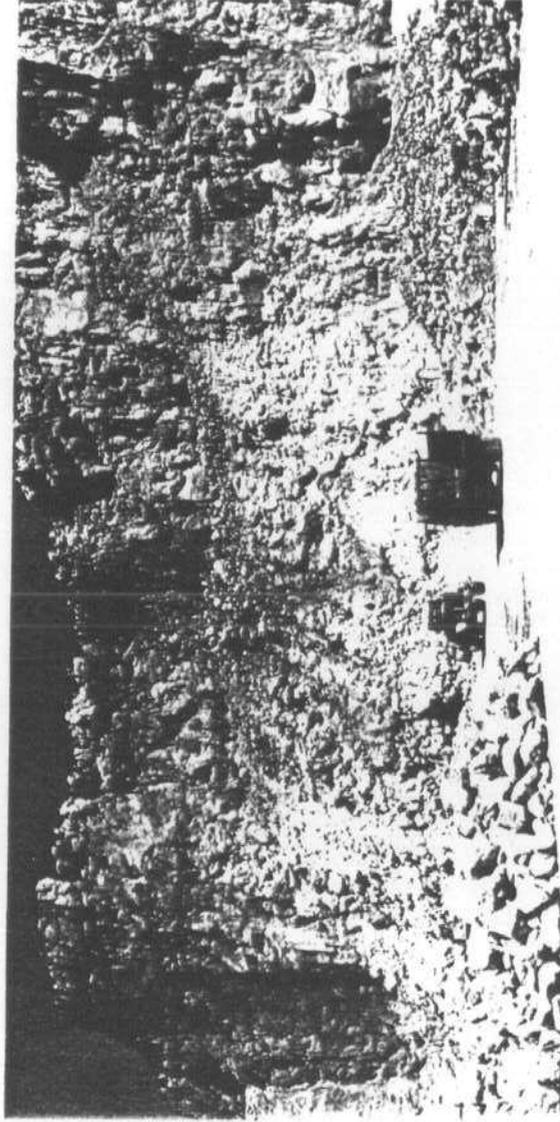
HU-13.- El Fuerte
(caliza para mármol artificial)



HU-14.- La Algareta
(Caliza para fabricación de carburo)

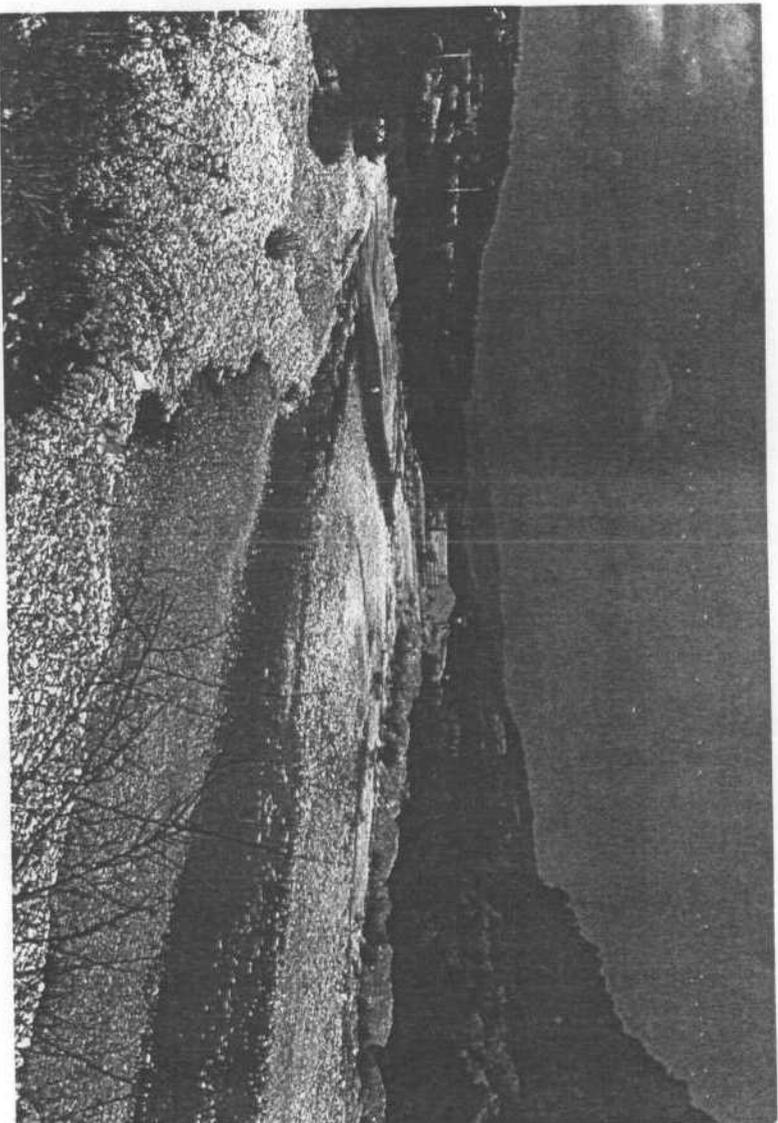


HU-15.- Campo Las Viñas
(Yeso para aditivo al cemento)

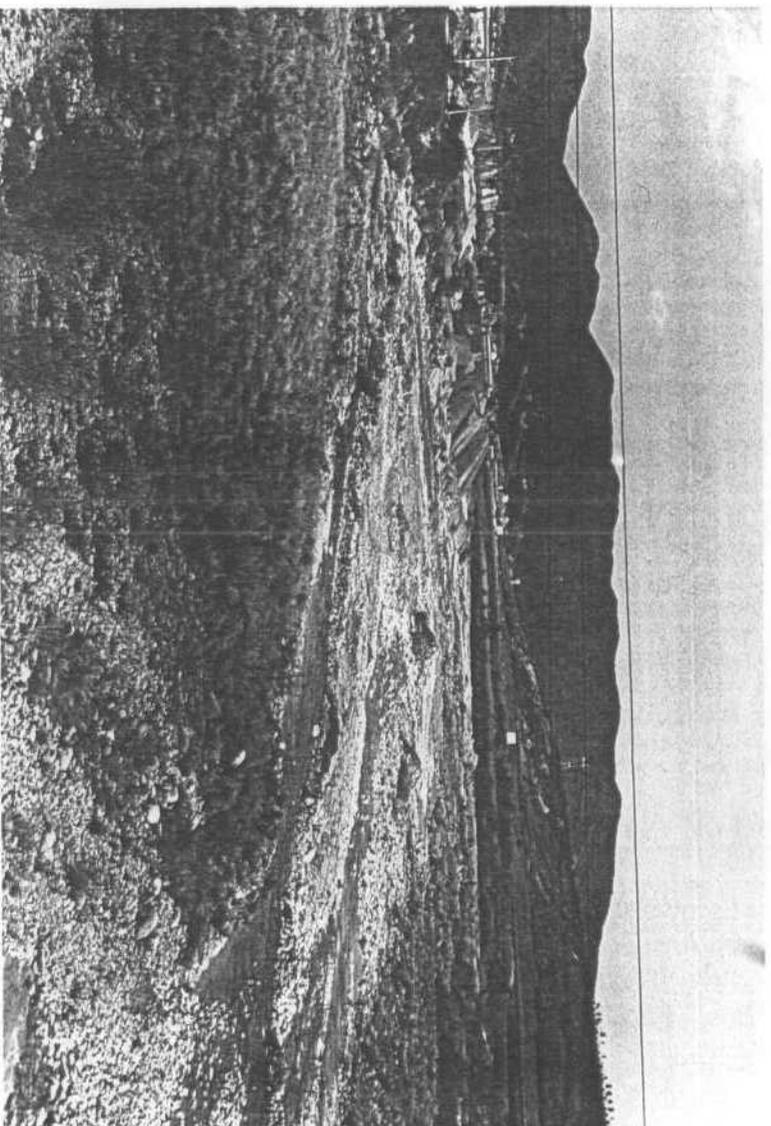


HU-16.- Las Cabanetas
(Caliza para escollera y fundente en
ferroaleaciones)

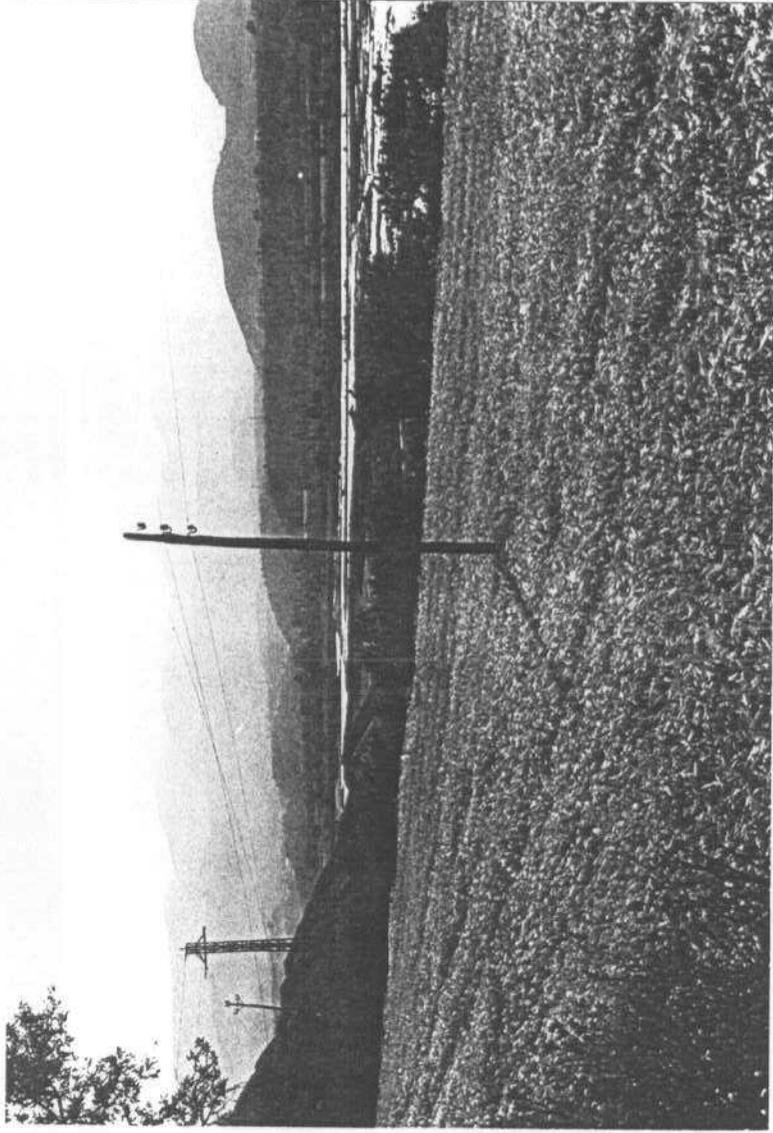
3.3.- OTRAS EXPLOTACIONES



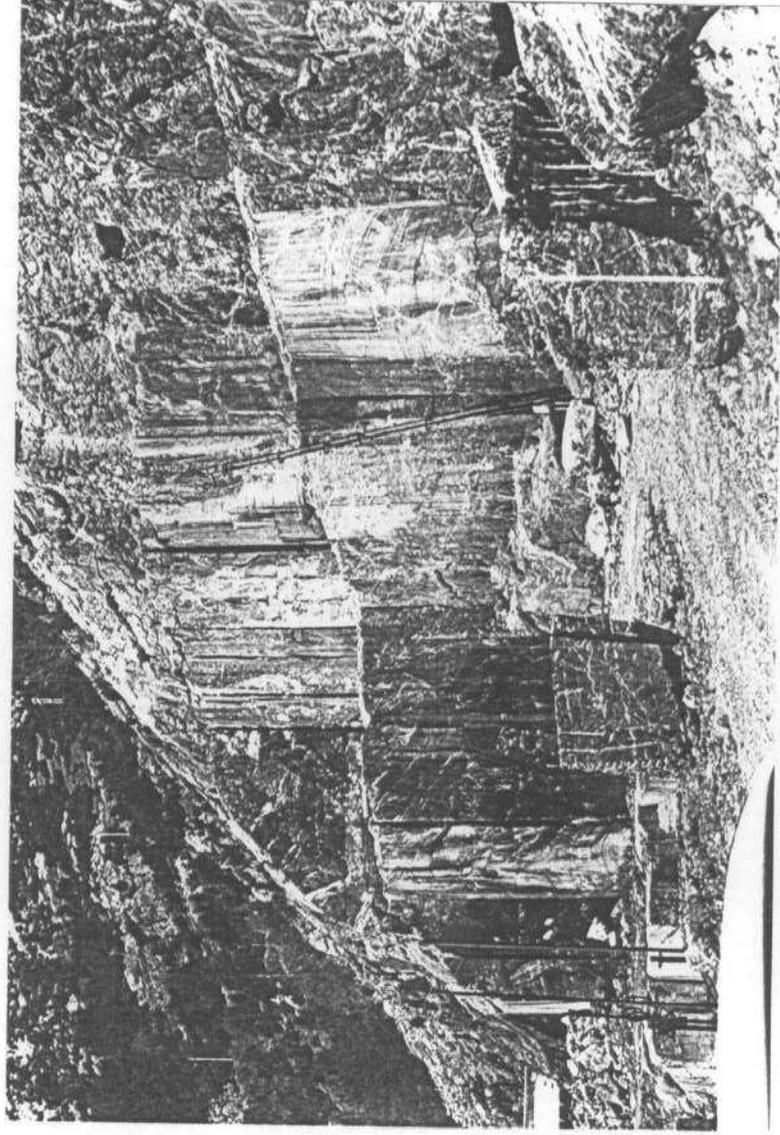
HU-17.- Gravera sobre río Guarga
Parada su explotación



HU-18.- Gravera sobre río Aurín
Parada su explotación



HU-19.- Gravera sobre río Cinca
Parada su explotación



HU-20.- Antigua cantera de mármol negro
En Canfranc, actualmente en per-
miso de investigación