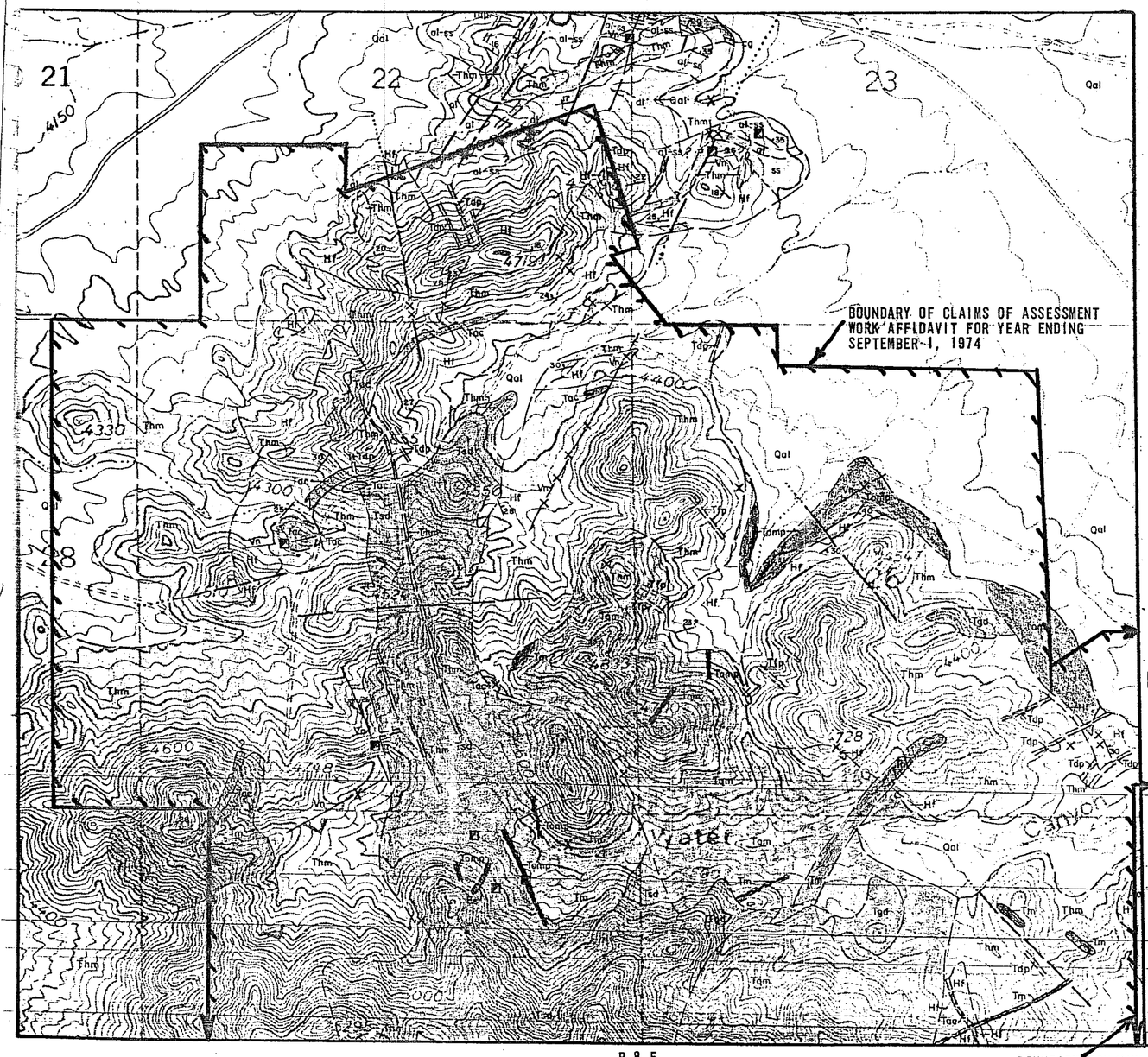
JARAILLA MOUNTAINS

BK 18 PG 33



EXPLANATION

QUATERNARY

- Qal — Alluvium, gravels, caliche, sand dunes

TERTIARY

Altered Sediments

- Tac — Tactite, metasomatized carbonate, garnetite common
- Hf — Hornfels, recrystallized siliceous sediments, pyrite common

Intrusive Rocks

- Tdp — Diorite porphyry dikes, plagioclase in dark groundmass
- Tan — Andesite dikes, plagioclase and hornblende in green groundmass
- Tap — Aplite dikes, finely crystalline quartz-feldspar
- Tlgd — Leucogranodiorite dikes, quartz-rich, biotite-poor granodiorite
- Tfp — Felsite porphyry, small quartz eyes in felsic groundmass
- Tam — Monzonite plug, sill, and dikes, plagioclase and biotite in Kspar groundmass
- Tqm — Quartz monzonite porphyry sill and dikes, plagioclase and quartz in Kspar groundmass
- Tamp — Orthoclase monzonite porphyry, laccolith(?) and dikes, Kspar (large) and plagioclase in chloritized biotite groundmass
- Thm — Hornblende monzonite porphyry laccoliths and dikes, hornblende and plagioclase in Kspar-rich groundmass
- Tgd — Granodiorite, irregular stocks and sills or laccoliths, biotite, plagioclase, quartz, and Kspar, equigranular, magnetic
- Tsd — Syendiorite, irregular, stocklike, quartz poor granodiorite, equigranular, magnetic

PERMIAN

Laborcita Formation

- al — Argillaceous limestone, occasionally fossiliferous or carbonaceous
- ss — Shaley siltstone and siltstone, siliceous, commonly hornfelsed
- Qss — Calcareous sandstone, includes minor black chert
- al-ss — Argillaceous limestone with interbedded fissile siltstone, occasionally hornfelsed
- ls — Limestone, occasionally carbonaceous
- cg — Conglomerate, edgewise limestone conglomerate

SYMBOLS AND ABBREVIATIONS

- Es — Endoskarn
- Vn — Vein
- 40 — Strike and dip of bedding
- U/D — Fault, predominately normal movement
- Shaft
- Adit
- Prospect pit

0 1000 2000 3000 FEET

STATE OF NEW MEXICO } ss.
OTERO COUNTY
FILED FOR RECORD IN MY OFFICE
This 17 day of October 19
At 12:20 o'clock P M. and duly recorded
in Book No. 18 Page 33 of
the records of Otero County, New Mexico.
Frankie Dean
County Clerk, Otero County, New Mexico
By Cheryl Ryling Deputy

EXHIBIT "C"

G.D. Van Voorhis
G.D. Van Voorhis
District Exploration Manager
BEAR CREEK MINING CO.

GEOLOGIC MAP
JARILLA MOUNTAINS
(MONTE CARLO GAP AREA)
OTERO COUNTY, NEW MEXICO

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