FORM: MMDMN
REV.DATE: 12/8/95
[MMDMN.FRM]

FOR MMD USE ONLY:
PROJECT NAME Menefee Processing Plant
PERMIT # SA005MN
DATE RECEIVED: 02/29/96
DATE APPROVED: / /
LEAD INSPECTOR: R. Young

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Director
Mining and Minerals Division
2040 South Pacheco St.
Santa Fe, New Mexico 87505
Telephone: (505) 827-5970

RULE 3
MINIMAL IMPACT NEW MINING OPERATIONS PERMIT APPLICATION

The following information is required under the New Mexico Mining Act (Sections 69-36-1 through 69-36-20, NMSA 1978) and associated rules. The Mining and Minerals Division of the Energy, Minerals and Natural Resources Department is the administrative agency through which this application is to be processed. See Rule 3.4, Minimal Impact New Mining Operations, of the New Mexico Mining Act Rules for all regulations associated with Minimal Impact Mining operations.

Permit Application Requirements: (Rule 3.4 A., B., & C and Rule 6.1.)

- A minimal impact new mining operation will not be considered a minimal impact mining operation if it exceeds 10 acres of disturbed land, except that pre- existing roads and reclaimed areas within the permit area will not be counted.
  Reclaimed, for this purpose means all financial assurance has been released, except the amount held to reestablish vegetation pursuant to rule 12.4.

- For minimal impact new mining operations for which site assessments were submitted on or before June 30, 1994, permit applications shall be submitted by December 31, 1995.

- For minimal impact new mining operation for which site assessments were not submitted on or before June 30, 1994, permit applications shall be submitted in ample time to have the permit issued before mining operations begin, and operations shall not begin until after the permit is issued.

- Six copies of the completed application need to be submitted.

- Confidential information needs to be clearly indicated and submitted separately.

Permit Application Requirements (con't): (Rule 1)

⇒ Check the "YES" or "NO" box for each of the following characteristics as related to the proposed minimal impact mining operation:

YES	NO	
☐	☑	Located in or having a direct surface impact on wetlands, springs, perennial or intermittent streams, lakes, rivers, reservoirs or riparian areas.
☐	☑	Located in designated critical habitat areas as determined in accordance with the federal Endangered Species Act of 1973 or in areas determined by the Department of Game and Fish likely to result in an adverse impact on an endangered species designated in accordance with the Wildlife Conservation Act, Sections 17-2-37 through 17-2-46 NMSA 1978 or by the State Forestry Division for the Endangered Plants Act, section 75-6-1 NMSA 1978.
☐	☑	Located in an area designated as Federal Wilderness Area, Wilderness Study Area, Area of Critical Environmental Concern, or an area within the National Wild and Scenic River System.
☐	☑	Located in a known cemetery or other burial ground.
☐	☑	Located in an area with cultural resources listed on either the National Register of Historic Places or the State Register of Cultural Properties.
☐	☑	Having or expected to have a direct impact on ground water that has a total dissolved solids concentration of less than 10,000 mg/l, except exploratory drilling intersecting ground water may be performed as a minimal impact operation.
☐	☑	Expected to use or using cyanide, mercury amalgam, heap leaching or dump leaching in its operations.
☐	☑	Expected to result in point or non-point source surface or subsurface releases of acid or other toxic substances from the permit area.
☐	☑	Requiring a variance from any part of these Rules as part of the permit application.

IMPORTANT NOTES!:

•If you have checked "YES" to any of the above boxes, the mining operation does not qualify as a minimal impact mining operation. Do not continue to fill out the remainder of this form.

•If you do meet the above requirements and have checked "NO" to all of the above boxes, continue filling out this application.

•Obtaining a Mining Act permit does not necessarily satisfy the obligation to obtain permits required by other governmental entities.

⇒ PLEASE FILL IN ALL APPLICABLE INFORMATION AS COMPLETELY AS POSSIBLE.
⇒ PLEASE PRINT OR TYPE ALL INFORMATION.

1. OPERATOR INFORMATION (Rule 3.4 D. 1.)

1. OPERATOR INFORMATION (Rule 3.4 D. 1.)

LIST PROJECT NAME: MENEFEE MINING CORP. PROCESSING PLANT

NAME OF APPLICANT: MENEFEE MINING CORP.
ADDRESS: 8222 DOUGLAS AVE SUITE 800
DALLAS, TEXAS 75225
PHONE #: 214/750-4696

NAME OF OWNER (if different from applicant's name and address):
ADDRESS:
PHONE #:

NAME OF ON-SITE CONTACT OR OPERATOR'S REPRESENTATIVE: HAL COLLINS, PLANT MANAGER
ADDRESS: OLD HIGHWAY 44
CUBA, N. M. 87013
PHONE #: 505/289-0259

2. RIGHT TO ENTER INFORMATION (Rule 3.4 D. 1.)

A. Describe or provide evidence for the basis of the applicant's right to enter the property to conduct the mining and reclamation.

PROCESSING PLANT SITE AND IMPROVEMENTS CURRENTLY UNDER LEASE FROM HANSEN INDUSTRIES PLC. CURRENTLY IN NEGOTIATIONS TO PURCHASE SITE AND IMPROVEMENTS.

B. List the names and addresses of surface and mineral ownership within the proposed permit area.

1. Surface owners

Name	Address	Phone #
HANSEN INDUSTRIES PLC	99 WOOD AVE. ISELIN, N.J. 08830	908/603-6684

2. Mineral owners

Name	Address	Phone #
HANSEN INDUSTRIES PLC	99 WOODANE / SELLN, N.J. 08830	908/603-6684

C. List the author(s), title(s), date(s) and report number(s) of any cultural resource survey report(s) submitted to the agency(ies) or landowner(s) listed above:

NONE COMPLETED.

3. MAPS (Rule 3.4 D. 2.)

A. Provide a legal description of the site [Township(s), Range(s) and Section(s): TOWNSHIP 20 NORTH RANGE 1 WEST, SECTION 4 & 5 SANDOVAL COUNTY, NEW MEXICO

B. Provide a topographic map(s) of at least 1 inch = 2,000 feet (or appropriate for the size of disturbance) showing the areas of land to be disturbed by the proposed mining and reclamation. Identify general area shown on the map(s) by Township, Range and Section(s). If the area to be mined contains the following features, show them on the map(s):

1. Boundary of the proposed permit area with the existing and proposed area of disturbance.
2. Previously disturbed areas.
3. Perennial, intermittent and ephemeral streams; springs; wetlands; riparian areas; lakes and reservoirs.
4. Proposed and existing roads and other access routes.
5. Residences.
6. Support facilities.
7. Cemeteries, burial grounds; cultural resources listed or eligible for listing on either the National Register of Historic Places or the State Register of Cultural Properties.
8. Pipelines.
9. Oil, gas, water and monitoring wells on and within ½ mile of the permit area.
10. Identify the location of shafts, adits, trenches, ponds, pits, quarries, stockpiles, waste dumps etc.

4. ENVIRONMENTAL PERMITS HELD FOR OTHER OPERATIONS (Rule 3.4 D. 3.)

Provide a list of other environmental permits held for other mining operations within the United States and any violations issued for non-compliance with those permits.

NAME OR TYPE OF ENVIRONMENTAL PERMIT

NONE

LIST VIOLATION NUMBER, TYPE AND ISSUING AGENCY

NONE

5. MINING DESCRIPTION (Rule 3.4 D. 4.)

A. Type of mineral or minerals to be ~~mined~~ PROCESSED: Humate

B. Check (✓) the method of proposed ~~mining~~ PROCESSING:
✓ Surface or ___ Underground

C. Describe the sizes and volumes of the facilities to be used:

Plant Site/Staging Area:

How Many 1 Acreage 9.64

Pits or Quarries : How Many 0 Acreage ___ Volume(cu.yds.) ___

Stockpiles: How Many 2 Acreage 1.5 Volume (cu.yds.) 30,000

Waste Dumps: How Many 0 Acreage ___ Volume (cu.yds.) ___

List for New road(s) the following:
Length (ft.) 600 Width (ft.) 20
Length (ft.) ___ Width (ft.) ___

List for Extension or widening of existing road(s) the following:
Length (ft.) _____ Width (ft.) _____
Length (ft.) _____ Width (ft.) _____

Other Disturbances: Type NONE

How Many_____ Acreage_____ Volume (cu.yds.)_____

TOTAL ACREAGE TO BE DISTURBED: 9.64 acres.

D. Describe the type of processing that will be conducted on site:
SCREENING OF MINED MATERIAL TO EITHER 1/4", 1/8", 1/16", OR "FINES" PARTICLE SIZES. BAGGING OF SCREENED MATERIAL AND LOADING BAGGED MATERIAL ONTO COMMON CARRIER TRUCKS FOR TRANSPORT TO CUSTOMER LOCATIONS.

E. Describe the typical equipment to be used for the ~~mining~~ processing operations.
FRONT END LOADERS (2)
FORK LIFTS (3)
SCREENING PLANTS (2)
BAGGING MACHINES (2)

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5. CHEMICAL USE (Rule 3.4 D. 4.)

A. List all chemicals proposed to be used by the mining operation.

Name	Use
NONE	

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6. GROUND WATER INFORMATION (Rule 3.4 D. 5.)

A. Provide an estimate of depth to ground water and the total dissolved solids concentration.

Depth to ground water (ft.) 20 T.D.S. concentration _____

B. Describe the source of ground water information: STATEMENTS FROM CITY OF CUBA AND ADJOINING RESIDENTS.

C. Describe any dewatering activities to be conducted during mining operations:

NONE

7. PERFORMANCE STANDARDS (Rule 3.4 D. 7.)

A. Provide a general description of how the mining and reclamation will be designed and operated using the most appropriate technology and best management practices: THERE IS NO MINING AT THIS SITE. THE MINED MATERIAL IS HAULED TO THIS SITE AND ACCUMULATED ON THE SURFACE IN STOCKPILES COVERING APPROX. 1.5 ACRES. RECLAMATION WILL SIMPLY BE REMOVAL OF NON-PROCESSED MATERIAL. ANY REMAINING MATERIAL WILL BE TILLED INTO THE SOIL FOR RECONDITIONING AND RESEEDING PURPOSES.

B. Provide a general description of how the mining and reclamation will be designed and operated to assure protection of human health and safety, the environment, wildlife, and domestic animals: MINIMAL EQUIPMENT IS REQUIRED, PRIMARILY FRONT END LOADERS AND END DUMP TRUCKS. LITTLE HUMAN RISK IS INVOLVED. MINIMAL IMPACT ON THE WILDLIFE ENVIRONMENT DUE TO THE ALL ORGANIC COMPOSITION OF THE MATERIAL BEING PROCESSED. THEIR WILL BE NO IMPACT ON THE FEW DOMESTIC ANIMALS IN THE AREA.

C. Provide a general description of how the mining and reclamation will be designed and operated to safeguard the public from unauthorized entry into shafts, adits and tunnels and to prevent falls from highwalls or pit edges: THERE ARE NO SHAFTS, ADITS, OR TUNNELS AT THIS LOCATION.

D. Provide a general description of how the mining and reclamation will be designed and operated so the disturbed area will not contribute suspended solids above background levels, or where applicable the Water Quality Control Commission's standards, to intermittent and perennial streams: NOT APPLICABLE

E. Provide a general description of how the mining and reclamation will be designed and operated to control erosion: CONTURING OF DISTURBED AREA TO ALLOW FOR NATURAL DRAINAGE IN CONJUNCTION WITH SURROUNDING AREA.

8. RECLAMATION PLAN (Rule 3.4 D. 8.)

The operation will be operated and reclaimed to a self-sustaining ecosystem appropriate for the life zone of the surrounding areas following closure unless conflicting with the approved post-mining land use.

A. List adjacent land use other than ~~mining~~ PROCESSING: MINIMAL CATTLE GRAZING

B. List the proposed post mining land use: GRAZING

C. Describe how reclamation activities will avoid adverse impact to cultural resources. THERE IS MINIMAL VEGETATION IN THIS AREA CURRENTLY. ALL DISTURBED AREAS WILL BE TREATED AND RESEEDED TO A CONDITION BETTER THAN CURRENT SURROUNDING AREAS.

D. Describe any backfilling and grading operations to be performed after mining: GRADING ONLY TO RECONTURE FOR PROPER DRAINAGE.

E. Describe what mitigation steps will be taken to reconstruct or protect the hydrologic balance of the site after mining: NO IMPACT FROM PROCESSING PLANT OPERATIONS.

F. Describe how topsoil or topdressing will be salvaged, stockpiled and distributed for the re-establishment of vegetation: LITTLE TO NONE EFFECTED.

G. Describe what kind of seed bed preparation will take place prior to seeding. What soil amendments will be added? Scarification of the seed bed needs to take place. Will this involve discing or ripping?
TREATMENT OF SOIL WITH ORGANIC BASED FERTILIZERS AND SEED BLEND RECOMMENDED BY US FOREST SERVICE.

H. Describe in detail the plant species to be used in the re-establishment of vegetation.

Plant Name	Rate of application (lb/ac.)
US FOREST SERVICE RECOMMENDATIONS	

I. Will the seeds be broadcast or drilled into the seed bed? BROADCAST

J. Describe the type of mulch material and rate per acre to be applied after seeding: Humate + NPK BLEND AT 350 lbs/ACRE

K. What structures are on site and how will they be removed or reclaimed? (Buildings, portals, adits, shafts, bore holes, ponds, etc.)
METAL BUILDINGS WILL BE DISSASSEMBLED AND HAULED FROM SITE. CONCRETE PLATFORMS WILL BE REMOVED, SOIL RECONTURED, TREATED, AND RESEEDED.

L. What roads are part of the mine site and how will they be reclaimed. Please provide an estimate of square feet of road and explain if reclamation will involve ripping, scarification, backfilling and recontouring, retopsoiling, etc.: ALL ROADS ARE DIRT ROADS WITH MINIMAL GRAVEL TOPPING. ALL WILL BE RECONTURED, TREATED, AND RESEEDED.

M. What will be the time frame for reclamation, (e.g.time of year, during mining, after mining, etc)? APPROXIMATELY 60 DAYS DURING LATE SPRING TO ALLOW FOR PROPER SOIL TREATMENT & RESEEDING.

Proposed reclamation dates: Begin: / / End: / /.
NO SPECIFIC DATE ANTICIPATED AT THIS TIME.

9. OTHER REQUIRED PERMITS FOR THIS OPERATION (Rule 3.4 D. 9.)

A. Provide a list of other permits required for the operation and the anticipated schedule for receipt of these.

Permit Name & Issuing Agency	Date or anticipated date of receipt
NONE	

10. FINANCIAL ASSURANCE AND PERMIT FEES (Rule 3.4 E. & F.)

A. Financial assurance shall be provided in the amount of $5,000 per permit plus $2,500 per acre of disturbed land, unless the applicant makes a showing satisfactory to the Director that a lesser amount is appropriate, or the Director determines that a larger amount is required to perform the reclamation.

B. Attach the permit fees as determined pursuant to Rule 2.

11. CERTIFICATION REQUIREMENT (Rule 3.4 J. 5.)

Each application shall be signed and notarized by an applicant for the operation with the following certification made:

I certify that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I agree to comply with the requirements of the permit, these Rules, and the Act. Further, I hereby allow the Director to enter the permit area for the purpose of conducting inspections until release of financial assurance.

Signature of Applicant _____

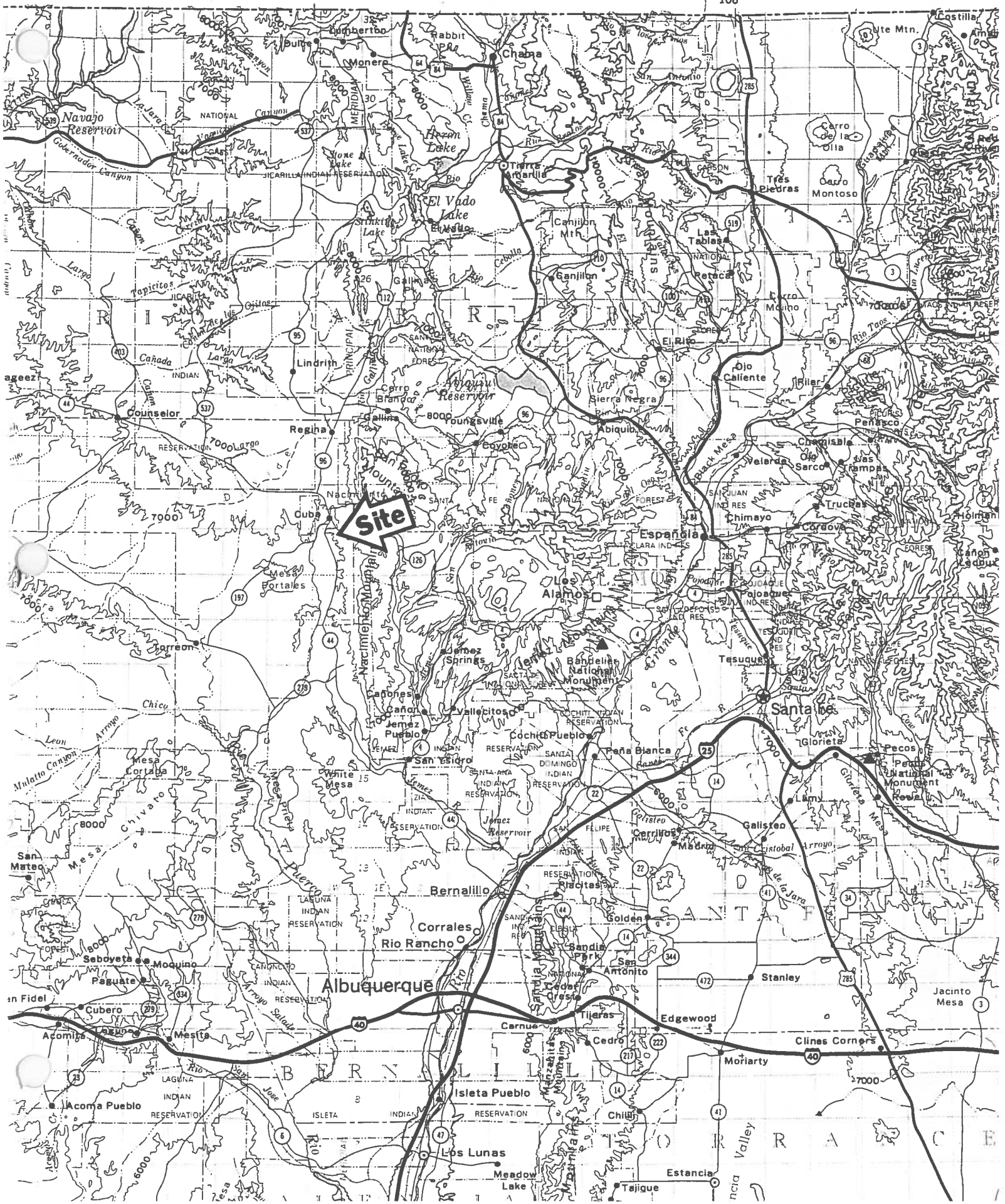
Name (typed or print) JOHN F. LOWN

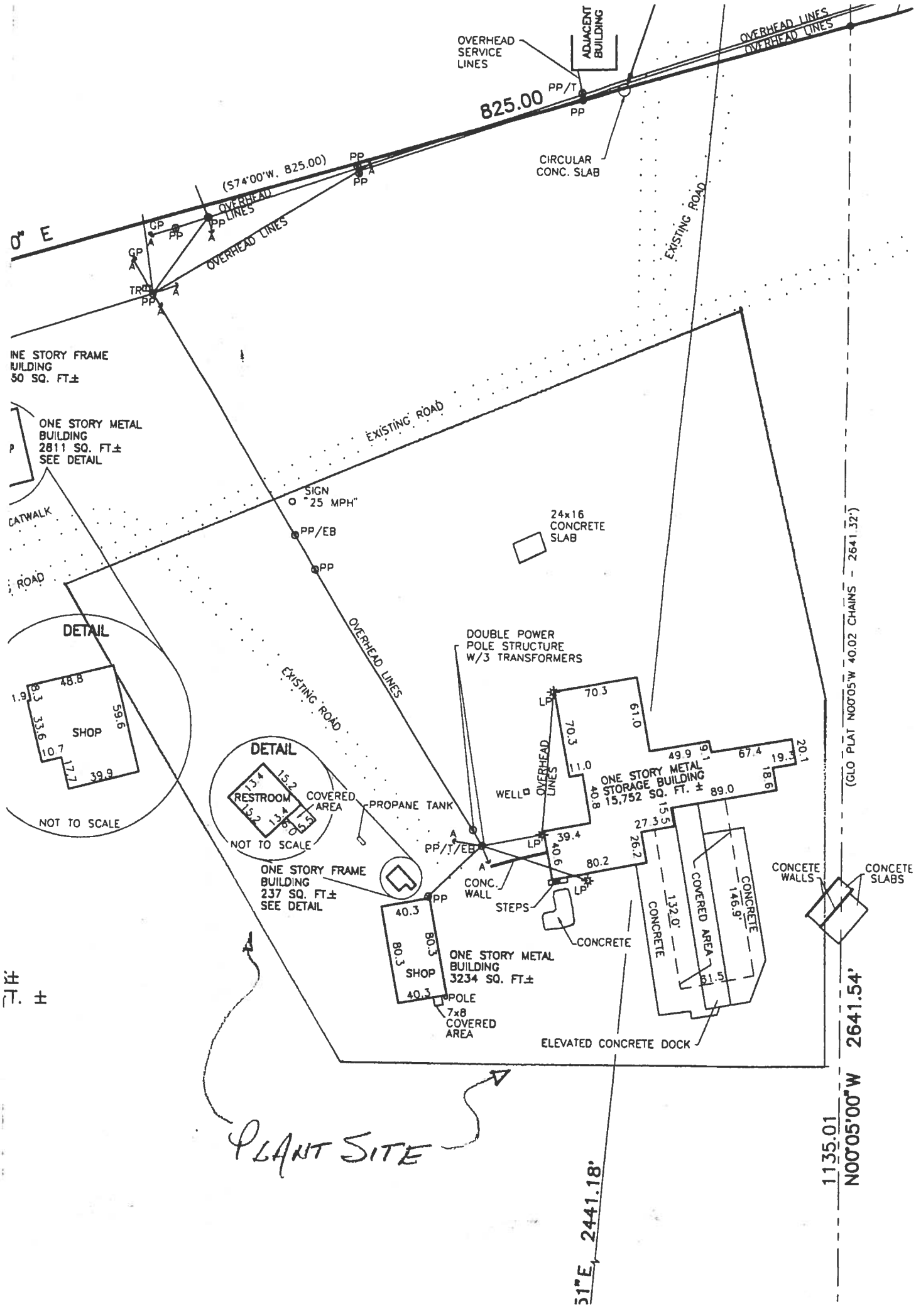
Title/Position PRESIDENT

Date 2/19/96

Signature of Notary _____

└— Notary Seal —┘


O L O R
107°
106°
Site
Navajo Reservoir
Abiquiu Reservoir
El Vado Lake
Heron Lake
Jemez Reservoir
Bandelier National Monument
Pecos National Monument
Albuquerque
Santa Fe
Española
Los Alamos
Rio Rancho
Bernalillo
Corrales
Isleta Pueblo
Acoma Pueblo
Los Lunas
Tijeras
Edgewood
Moriarty
Estancia
Tijique
Meadow Lake
Cochiti Pueblo
San Ysidro
Jemez Springs
Jemez Pueblo
Cuba
Counselor
Regina
Lindrith
Gallina
Youngsville
Coyote
Abiquiu
El Rito
Ojo Caliente
Chamita
Tierra Amarilla
Chama
Monero
Dulce
Lumberton
Rabbit Pk.
Canjilon
Ganjilon
Las Tablas
Tres Piedras
Cerro Montoso
Cerro de la Olla
Penasco
Chamisbla
Velarde
Ojo Sarco
Las Trampas
Truchas
Chimayo
Cordova
Holman
Canon
Pojoaque
Tesuque
Gloriela
Lamy
Rowe
Galisteo
Cerrillos
Madrid
Golden
Sandia Park
San Antonito
Cedar Crest
Stanley
Jacinto Mesa
Clines Corners
Cedro
Chilili
Carnue
Riaclitas
Peña Blanca
Cañones
Canon
Vallecitos
Torreon
Mesa Portales
Mesa Cortada
White Mesa
Seboyeta
Moquino
Paguate
Cubero
Acomita
Mesita
San Mateo
Nacimiento Mountains
Jemez Mountains
Sandia Mountains
Manzanita Mountains
Rio Puerco
Rio Grande
Rio Chama
Rio Jemez
Rio Salado
Arroyo Chico
Arroyo Salado
Mulatto Canyon
Gobernador Canyon
Canada Larga
Canada Ojitos
Canada Cebolla
Canada Tapicitos
Canada Largo
Canada Indian
Canjilon Mtn.
Cerro Montoso
Cerro Pedernal
Cerro Blanca
Sierra Negra
Black Mesa
Ute Mtn.
Castilla
Amalia
Holman
Canon Ledoux
Pecos
Glorieta Mesa
Arroyo de la Jara
Arroyo San Cristobal
Arroyo Chico
Arroyo Salado
Rio Puerco
Rio Jemez
Rio Grande
Rio Chama
Rio Ojo Caliente
Rio Taos
Rio Pueblo de Taos
Rio Lucero
Rio Cebolla
Rio Gallina
Rio Arriba
Rio Salado
Rio Jose
Rio Puerco
Rio Grande
Rio Chama
Rio Jemez


OVERHEAD SERVICE LINES
ADJACENT BUILDING
OVERHEAD LINES
OVERHEAD LINES
825.00
PP/T
PP
CIRCULAR CONC. SLAB
(S74°00'W. 825.00)
PP
PP
OVERHEAD LINES
OVERHEAD LINES
GP
GP
TR
PP
EXISTING ROAD
INE STORY FRAME
UILDING
50 SQ. FT.±
ONE STORY METAL
BUILDING
2811 SQ. FT.±
SEE DETAIL
CATWALK
ROAD
EXISTING ROAD
SIGN
"25 MPH"
PP/EB
PP
24x16
CONCRETE
SLAB
OVERHEAD LINES
DOUBLE POWER
POLE STRUCTURE
W/3 TRANSFORMERS
DETAIL
48.8
59.6
SHOP
33.6
10.7
17.7
39.9
1.9
8.3
NOT TO SCALE
DETAIL
13.4
15.2
RESTROOM
COVERED
AREA
PROPANE TANK
NOT TO SCALE
EXISTING ROAD
WELL
OVERHEAD LINES
70.3
61.0
70.3
11.0
40.8
ONE STORY METAL
STORAGE BUILDING
15,752 SQ. FT. ±
49.9
9.1
67.4
19.5
20.1
18.6
89.0
15.5
27.3
26.2
39.4
40.6
80.2
PP/T/EB
CONC.
WALL
STEPS
CONCRETE
ONE STORY FRAME
BUILDING
237 SQ. FT.±
SEE DETAIL
PP
40.3
80.3
80.3
40.3
SHOP
ONE STORY METAL
BUILDING
3234 SQ. FT.±
POLE
7x8
COVERED
AREA
ELEVATED CONCRETE DOCK
CONCRETE
132.0'
CONCRETE
COVERED AREA
CONCRETE
146.9'
81.5
CONCETE
WALLS
CONCETE
SLABS
(GLO PLAT N00°05'W 40.02 CHAINS - 2641.32')
1135.01
N00°05'00"W 2641.54'
51"E, 2441.18'
PLANT SITE