Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

30-045-24722

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Supron Energy Corporation c/o John H. Hill et al

3. ADDRESS OF OPERATOR: Suite 020 Kysar Building, 300 West Arrington Farmington, New Mexico 87401 Attn: Lura Wallis

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 860' FSL & 910' FEL (SE SE)
At proposed prod. zone: Same

5. LEASE DESIGNATION AND SERIAL NO.: SF - 078433
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT AGREEMENT NAME: N/A
8. FARM OR LEASE NAME: Newsom
9. WELL NO.: 17E
10. FIELD AND POOL, OR WILDCAT: Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20 T26N R8W
12. COUNTY OR PARISH: San Juan
13. STATE: New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 26.1 miles South of Blanco, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 860'
16. NO. OF ACRES IN LEASE: 2480.36
17. NO. OF ACRES ASSIGNED TO THIS WELL: E/320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: -------
19. PROPOSED DEPTH: 7500'
20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6368' GR
22. APPROX. DATE WORK WILL START*: March 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| 12¼" | 8-5/8" New | 26# H-40 ST&C | 300' | 3 stage - surface to 3300' |
| 7-7/8" | 4½" New | 10.5# K-55 ST&C | 7500' | 3300' to 5400' and 5400' to total depth (sufficient cement to cover Ojo Alamo). |

1. Drill 12¼" hole and set 8-5/8" surface casing to 300' with good returns.
2. Log B.O.P. checks in daily drill reports and drill 7-7/8" hole to 7500'.
3. Run tests if warranted and run 4½" casing if productive.
4. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED

"A" Location and Elevation Plat
"B" The Ten-Point Compliance Program
"C" The Blowout Preventer Diagram
"D" The Multi-Point Requirements for A.P.D.
"E" & "E1" Access Road Maps to Location
"F" Radius Map of Field
"G" Drill Pad Layout, Production Facilities & Cut-Fill Cross-Section
"H" Drill Rig Layout

This action is subject to administrative appeal pursuant to 30 CFR 290.

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

RECEIVED
DEC 16 1980
OIL CON. COM.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED [signature] TITLE Manager Exploration & Production DATE 13 November 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED AS AMENDED
DEC 15 1980
JAMES F. SIMS
DISTRICT ENGINEER

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

# EXHIBIT "A" - Location and Elevation Plat

All distances must be from the outer boundaries of the section

| Operator | Lease | Well No. |
|---|---|---|
| Supron Energy | SF-078433 (Newsom) | Newsom #17E |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| | 20 | 26 North | 8 West | San Juan |

Actual Footage Location of Well:
860 feet from the South line and 910 feet from the East line

| Ground Level Elev. | Producing Formation | Pool | Dedicated Acreage: |
|---|---|---|---|
| 6368' | Dakota | Basin Dakota | 320 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

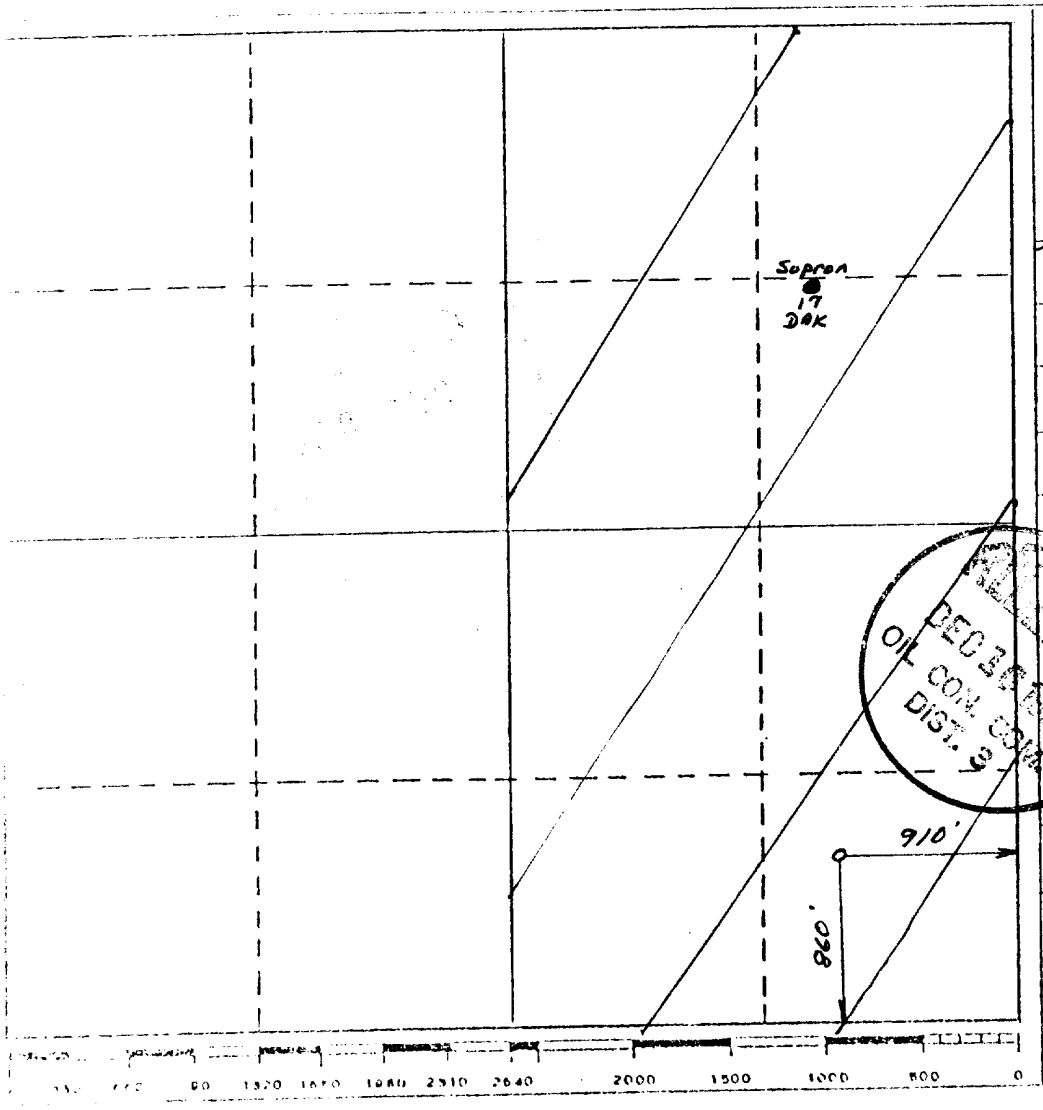
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division




RECEIVED
DEC 3 1980
OIL CON. COM.
DIST. 3

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

George Lapaseotes

Name George Lapaseotes
V. President Powers Elevation
Position
Agent Consultant for
Company
Supron Energy Corporation
Date
November 14, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

FRED G. HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR

Date Surveyed
Gerald G. Huddleston
Registered Professional Engineer and/or Land Surveyor
6844
Certificate No.

# EXHIBIT "B"

## TEN-POINT COMPLIANCE PROGRAM

## OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Supron Energy Corporation
Newsom 17E
SE SE Sec. 20 T26N R8W
860' FSL & 910' FEL
San Juan County, New Mexico

### 1. The Geologic Surface Formation

The geologic formation is the Wasatch.

### 2. Estimated Tops of Important Geologic Markers

| | |
|---|---|
| Ojo Alamo | 810' |
| Kirtland | 1499' |
| Fruitland | 1900' |
| Pictured Cliffs | 2120' |
| Chacra | 3261' |
| Cliffhouse | 3712' |
| Point Lookout | 4420' |
| Gallup | 4955' |
| Greenhorn | 5650' |
| Dakota | 6500' |
| Total Depth | 7500' |

### 3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

| | | |
|---|---|---|
| Ojo Alamo | 810' | Water |
| Kirtland | 1499' | Shale |
| Fruitland | 1900' | Shale |
| Pictured Cliffs | 2120' | Gas |
| Chacra | 3261' | Sandy Shale |
| Cliffhouse | 3712' | Gas |
| Point Lookout | 4420' | Gas |
| Gallup | 4955' | Sandy Shale |
| Greenhorn | 5650' | Sand |
| Dakota | 6500' | Gas |

4. The Proposed Casing Program

| HOLE SIZE | INTERVAL | SECTION LENGTH | SIZE (OD) | WEIGHT, GRADE & JOINT | NEW OR USED |
|---|---|---|---|---|---|
| 12¼" | 0-300' | 300' | 8-5/8" | 26# H-40 ST&C | New |
| 7-7/8" | 0-7500' | 7500' | 4½" | 10.5# K-55 ST&C | New |

Cement Program - 3 Stage Cementing

First Stage - Sacks of mix required and additives to fill from 7500' to approximately 5400'. Slurry 50-50 poz cement, 2% gel, 2% Calcium Chloride, .06% - D-19 Aquatrol.

Second Stage - From 5400' to 3300' with 35% excess on filler cement. Slurry to be 50-50 poz cement, 6% gel, 2% Calcium Chloride followed by 50 sacks neat cement Class "B".

Third Stage - From 3300' to surface with 100% excess. Slurry to be 50-50 poz cement, 2% gel, 2% Calcium Chloride for 500' from 3300' to 2800' then from 2800' to surface 50-50 poz and cement, 2% Calcium Chloride, 6% gel (sufficient to cover exposed Ojo Alamo sandstone.)

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include a floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristic of the Proposed Circulating Muds

This will be drilled with air and fresh water gel with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

| DEPTH | TYPE | WEIGHT #/gal. | VISCOSITY sec./gal | FLUID LOSS cc |
|---|---|---|---|---|
| 0-300' | fresh Water-Gel | 8.4 - 9.5 | 35 - 45 | less than 10 |
| 300'-4200' | fresh Water-Gel | 8.4 - 9.5 | 35 - 45 | less than 10 |
| 4200-TD | Air | ----- | ------ | ------ |

7. The Auxiliary Equipment to be Used

(a) No kelly cock will be used.

(b) A float will be used at the bit.

(c) Neither mud logging unit nor detecting device will be monitoring the system.

(d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

(a) No DST's are anticipated.

(b) The logging program will consist on an IES and a GR density over selected intervals. Other logs will be determined at well site to best evaluate any shows.

(c) No coring is anticipated.

(d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted.

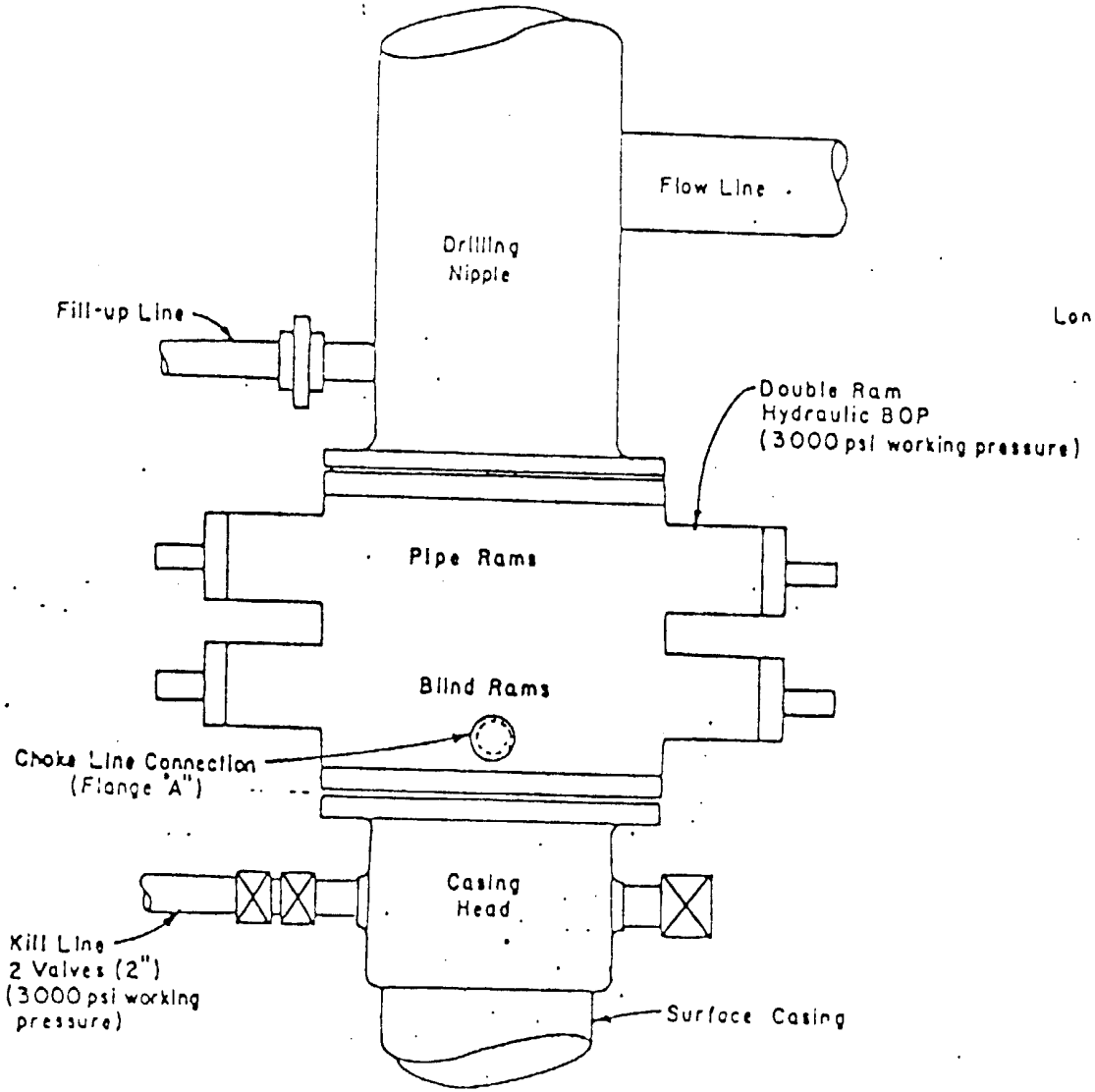
9. Any Anticipated Abnormal Pressures or Temperatures

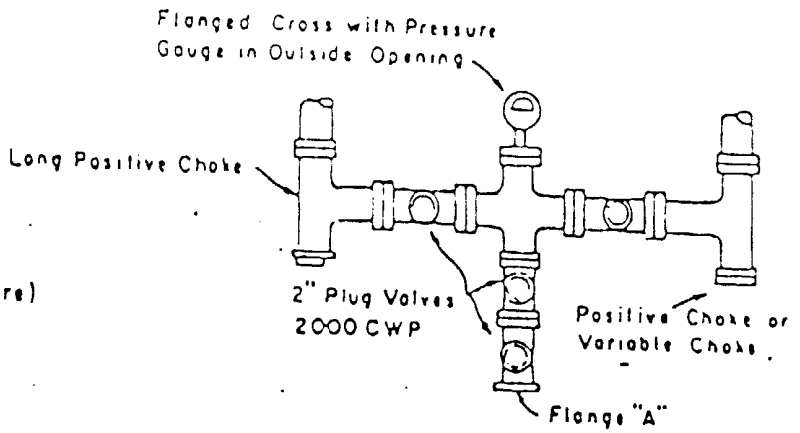
No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for March 15, 1981 or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 45 days after spudding the well and drilling to casing point.




PLAN VIEW - CHOKE MANIFOLD

EXHIBIT "C"

Blowout Preventer Diagram

# EXHIBIT "D"

## MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Attached to Form 9-331C
Supron Energy Corporation
Newsom #17E
SE SE - Sec.20 T26N R8W
860' FSL & 910' FEL
San Juan County, New Mexico

1. Existing Roads

A. The proposed well site and elevation plat is shown as EXHIBIT "A".

B. The distance from Blanco, New Mexico is 26.1 miles. From Blanco proceed East 0.8 mile on Highway #17; take Cutter Dam Road and CR #80 across bridge 7.2 miles to CR #58; go South on CR #58 6.9 miles and turn East over low water crossing; cross river and continue South (parallel to river) 9.7 miles; bend Southeast and go 0.6 mile; go Northeast 0.3 mile; go 0.2 mile Northwest to producing gas well in NW NW sec. 28, thence Northwest 2000' on proposed access road to the location, as shown on EXHIBIT "E" & "$E_1$".

C. All roads to location are color-coded on EXHIBITS "E" & "$E_1$". An access road 2000' from the existing oil field road will be required, as shown on EXHIBITS "E" & "$E_1$".

D. N/A

E. This is a development well. All existing roads within a one-mile radius are shown on EXHIBIT "E".

F. The existing roads need no improvement. The grade is 1-4%.

2. Planned Access Roads

Maps showing all necessary access roads to be constructed or reconstructed is shown as EXHIBIT "$E_1$" for the following:

(1) The maximum width of the running surface of the 2000' of access road as you leave the existing oil field road will be 18'. If well is a producer, total disturbed area will be 25'.

(2) The grade will be 1-3%.

(3) No turn outs are planned.

(4) Appropriate water bars will be constructed to assure drainage off location to conform with the natural drainage pattern.

2. Planned Access Roads (continued)

(5) No culverts are needed. No major cuts or fills are anticipated along access road during drilling operation.

(6) Surfacing materials will be native soil.

(7) No gates, cattle guards or fence cuts are needed.

(8) The new access road to be built has been staked during the time of staking the location, and is centerline flagged as shown on EXHIBIT "E$_1$".

3. Location of Existing Wells

For all existing wells within one mile radius of Development well, see EXHIBIT "F".

(1) There are no water wells within a one mile radius of this location.

(2) There is one abandoned well in this one mile radius.

(3) There are no temporarily abandoned wells.

(4) There are no disposal wells.

(5) There are no wells presently being drilled.

(6) There are 14 producing wells within this one mile radius.

(7) There are no shut-in wells.

(8) There are no injection wells.

(9) There are no monitoring or observation wells for other uses.

4. Location of Existing and/or Proposed Facilities

A. Within one-mile radius of location, the following existing facilities are owned or controlled by lessee/operator:

(1) Thank Batteries: Yes - Supron has producing wells in the area.

(2) Production Facilities: Yes - Same as above.

(3) Oil Gathering Lines: None.

(4) Gas Gathering Lines: Yes - Same as above.

(5) Injection Lines: None.

(6) Disposal Lines: None.

4. Location of Existing and/or Proposed Facilities (continued)

B. If production is obtained, new facilities will be as follows:

(1) Production facilities will be located on solid ground of cut area of drill pad, as shown on EXHIBIT "G".

(2) All well flow lines will be buried and will be on the well site and battery site.

(3) Facilities will be 300' long and 200' wide.

(4) All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.

(5) Any necessary pits will be fenced and flagged to protect livestock and wildlife.

C. Rehabilitation, whether well is productive or dry, will be made on all unused areas in accordance with BLM stipulations.

5. Location and Type of Water Source

A. The source of water will be San Juan River, 26.1 miles North of the location, as shown on EXHIBIT "E".

B. Water will be transported by truck over existing roadways.

C. No water well is to be drilled on this lease.

6. Construction Materials

A. No construction materials are needed for drilling and access roads into the drilling location unless production is obtained. The surface soil materials will be sufficient or will be provided by the Dirt Contractor as needed.

B. No construction materials will be taken off Federal land.

C. All surface soil materials for construction of access roads are sufficient.

D. All major access roads presently exist as shown on EXHIBIT "E".

7. Handling of Waste Materials and Disposal

(1) Drill cuttings will be buried in the reserve pit and covered.

(2) Drilling fluids will be handled in the reserve pit.

(3) Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank

7. Handling of Waste Materials and Disposal (continued)

is not abailable during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt waters or other noxious fluids will be cleaned up and removed.

(4) Chemical facilities will be provided for human waste.

(5) Garbage and non-flammable waste and salts and other chemicals produced during drilling or testing will be handled in trash/burn pit pit. Flammable waste will be disposed of in burn pit. Drill fluids, water, drilling mud and tailings will be kept in reserve pit, as shown on EXHIBIT "H". The trash/burn pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being burned or buried. Reserve pit will be fenced on three sides and the fourth side fenced upon removal of the rig.

(6) After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced during drilling and kept closed until such time as the pit is leveled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

(1) EXHIBIT "G" is the Drill Pad Layout as staked, with elevations by Powers Elevation of Durango, Colorado. Cuts and fills have been drafted to visualize the planned cut across the location spot and to the deepest part of the pad. Topsoil is 2' and will be stockpiled per BLM specifications determined at time of pre-drill inspection.

(2) EXHIBIT "H" is a plan diagram of the proposed rig and equipment, reserve pit, trash/burn pit and mud pits. No permanent living facilities are planned. There will be a trailer on site.

(3) EXHIBIT "G" is a diagram showing the proposed production facilities layout.

(4) The reserve pits will not be lined.

10. Plans for Restoration

(1) Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.

(2) The soil banked material will be spread over the area. Revegetation will be accomplished by planting mixed grasses as per formula provided by the BLM. Revegetation is recommended for road area, as well as around drill pad.

(3) Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from becoming entrapped; and the fencing will be maintained until leveling and cleanup is accomplished.

(4) If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.

(5) The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation is considered best in Spring 1982 unless requested otherwise.

11. Other Information

(1) The soil is a sandy-clay. The area is covered with sage, native grasses and cactus. There are rabbits, deer and sheep in the area. The location rests at the confluence of two drainages. Immediate area is relatively flat with no prominent features. Drainage is to the Northwest.

(2) The primary surface use is for oil production. The surface is owned by the U.S. Government.

(3) The closest live water is the San Juan River, 26.1 miles North of the location; as shown on EXHIBIT "E".

The closest occupied dwelling is 3 miles Northwest of the location; as shown on EXHIBIT "E".

There are no known archaeological, historical, or cultural heritages that will be disturbed by this drilling.

(4) There are no reported restrictions or reservations noted on the oil and gas lease.

(5) Drilling is planned for on or about March 15, 1981. It is anticipated that the casing point will be reached within 45 days after commencement of drilling.

12. Lessee's or Operator's Representative

George Lapaseotes
Agent Consultant for
Supron Energy Corporation
600 South Cherry Street
Suite 1201
Denver, Colorado 80222
Phone (303) 321-2217

Steve Connor
Supron Energy Corporation
c/o John H. Hill et al.
The Lakes at Bent Tree
Suite 210
17400 Dallas Parkway
Dallas, Texas 75252
Phone (214) 385-9100

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associates with the operations proposed herein will be performed by Supron Energy Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

November 14, 1980
Date

George Lapaseotes
Agent Consultant for
Supron Energy Corporation

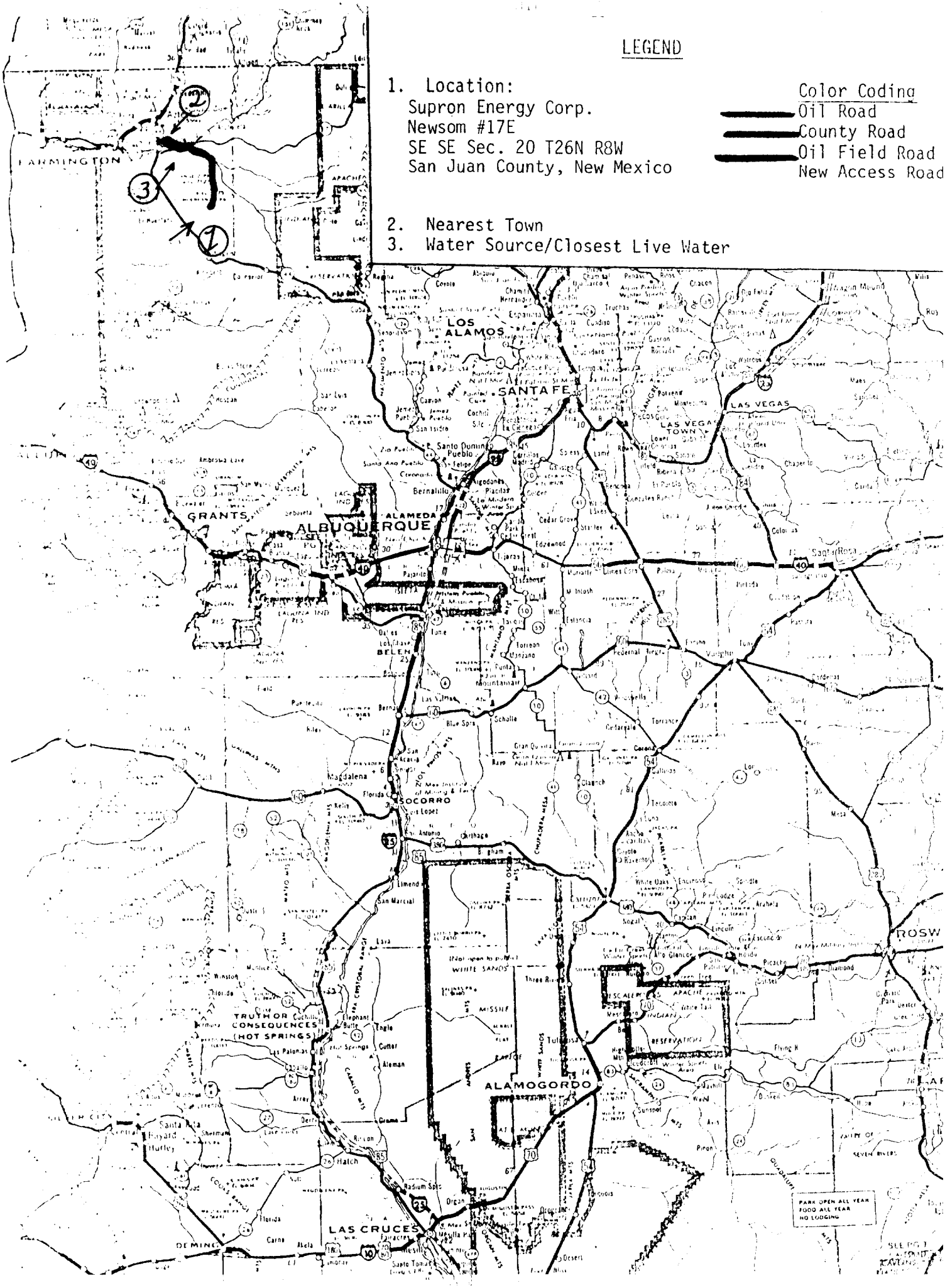

LEGEND
1. Location:
Supron Energy Corp.
Newsom #17E
SE SE Sec. 20 T26N R8W
San Juan County, New Mexico
2. Nearest Town
3. Water Source/Closest Live Water
Color Coding
Oil Road
County Road
Oil Field Road
New Access Road
FARMINGTON
LOS ALAMOS
SANTA FE
LAS VEGAS
GRANTS
ALBUQUERQUE
BELEN
SOCORRO
TRUTH OR CONSEQUENCES (HOT SPRINGS)
ALAMOGORDO
LAS CRUCES
DEMING
ROSW
PARK OPEN ALL YEAR
FOOD ALL YEAR
NO LODGING

Exhibit #1

Detail of Access Road

1. Location:
Supron Energy Corporation
Newsom #17E
SE SE Sec. 20 T26N R8W
San Juan County, New Mexico

Color Coding
County Road
Oil Field Road
New Access Road

2. Closest Dwelling

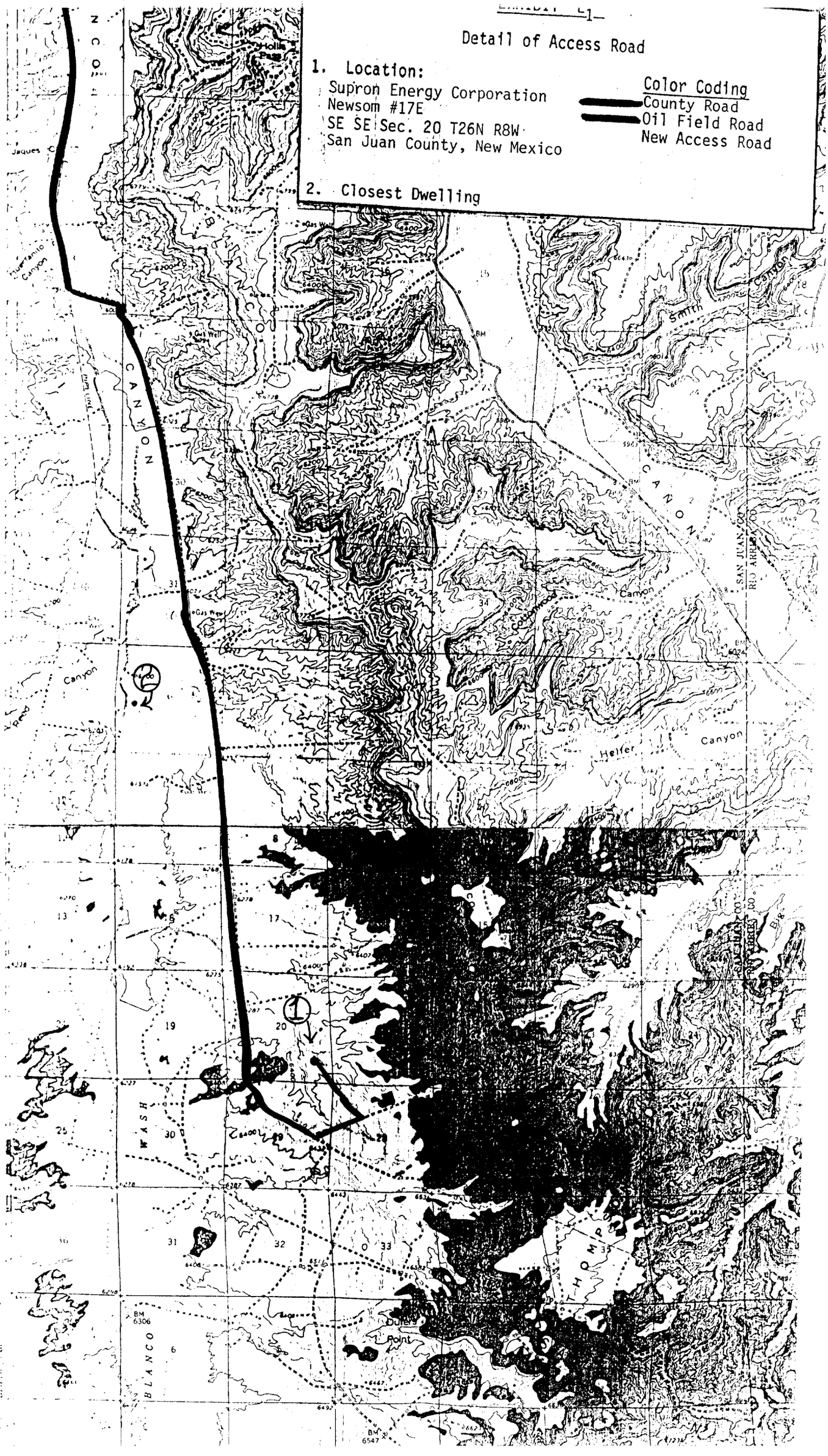
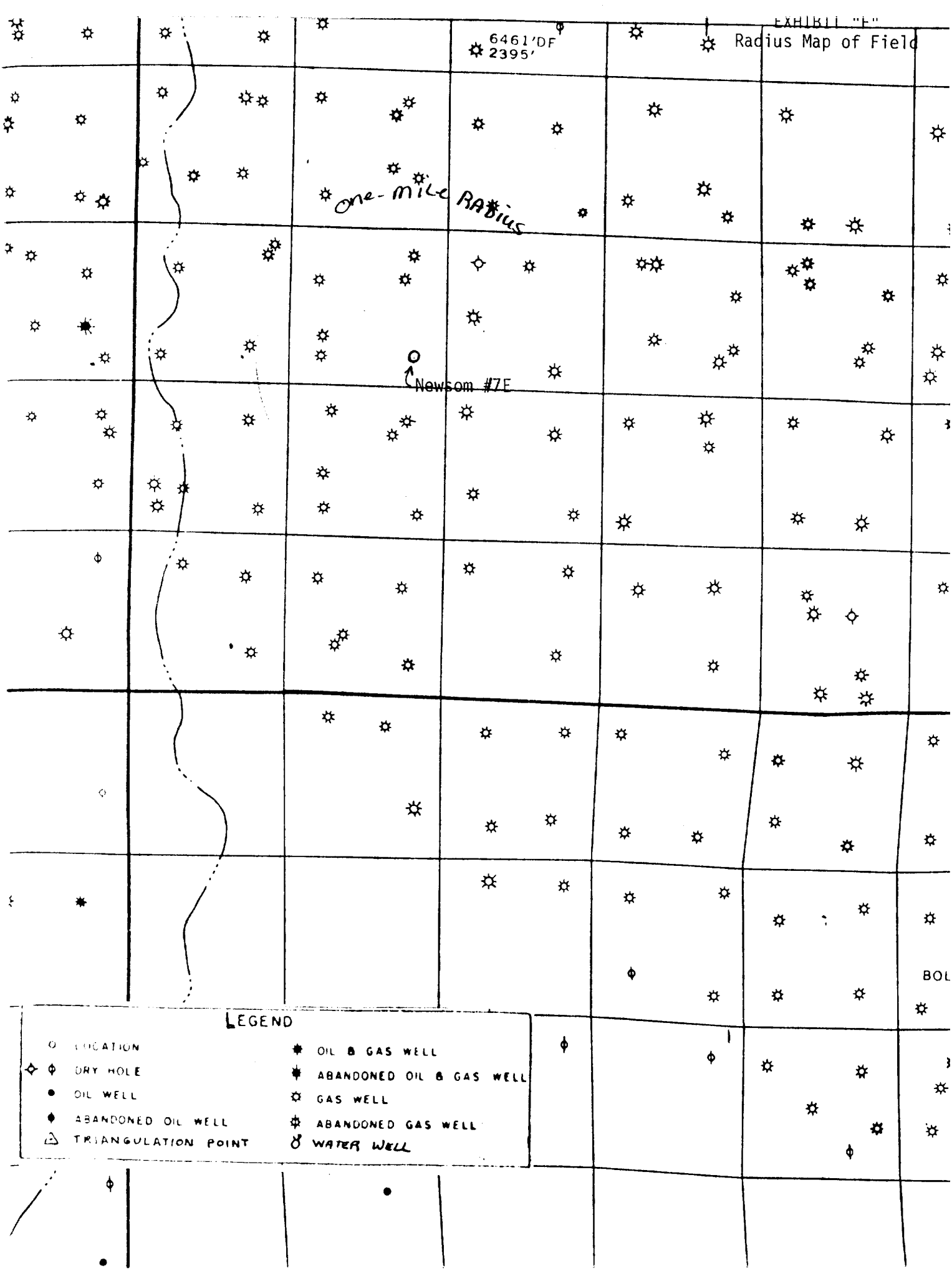


EXHIBIT "E"




Radius Map of Field

EXHIBIT "C"

Drill Pad Layout, Production Facilities & Cut-Fill Cross Section

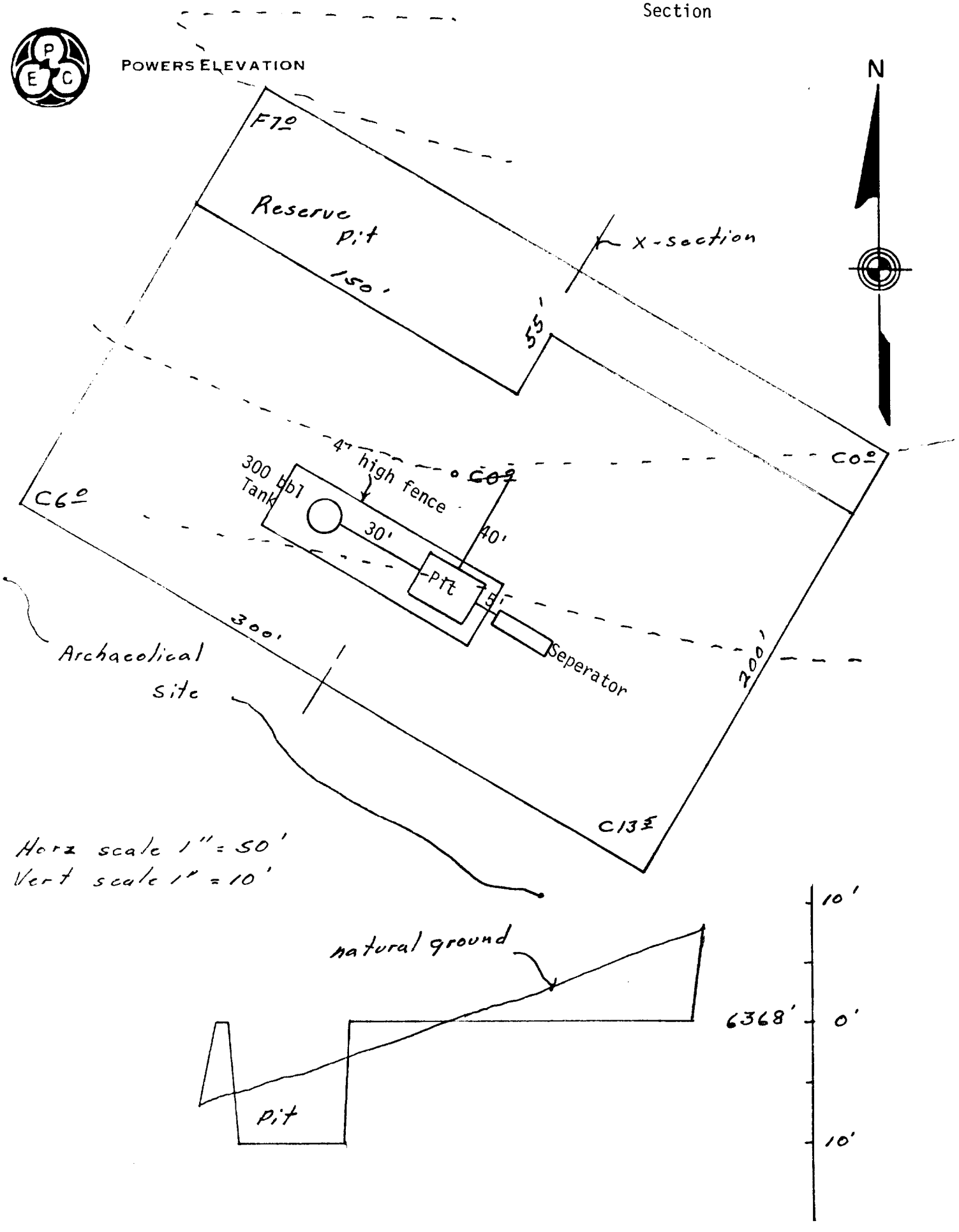
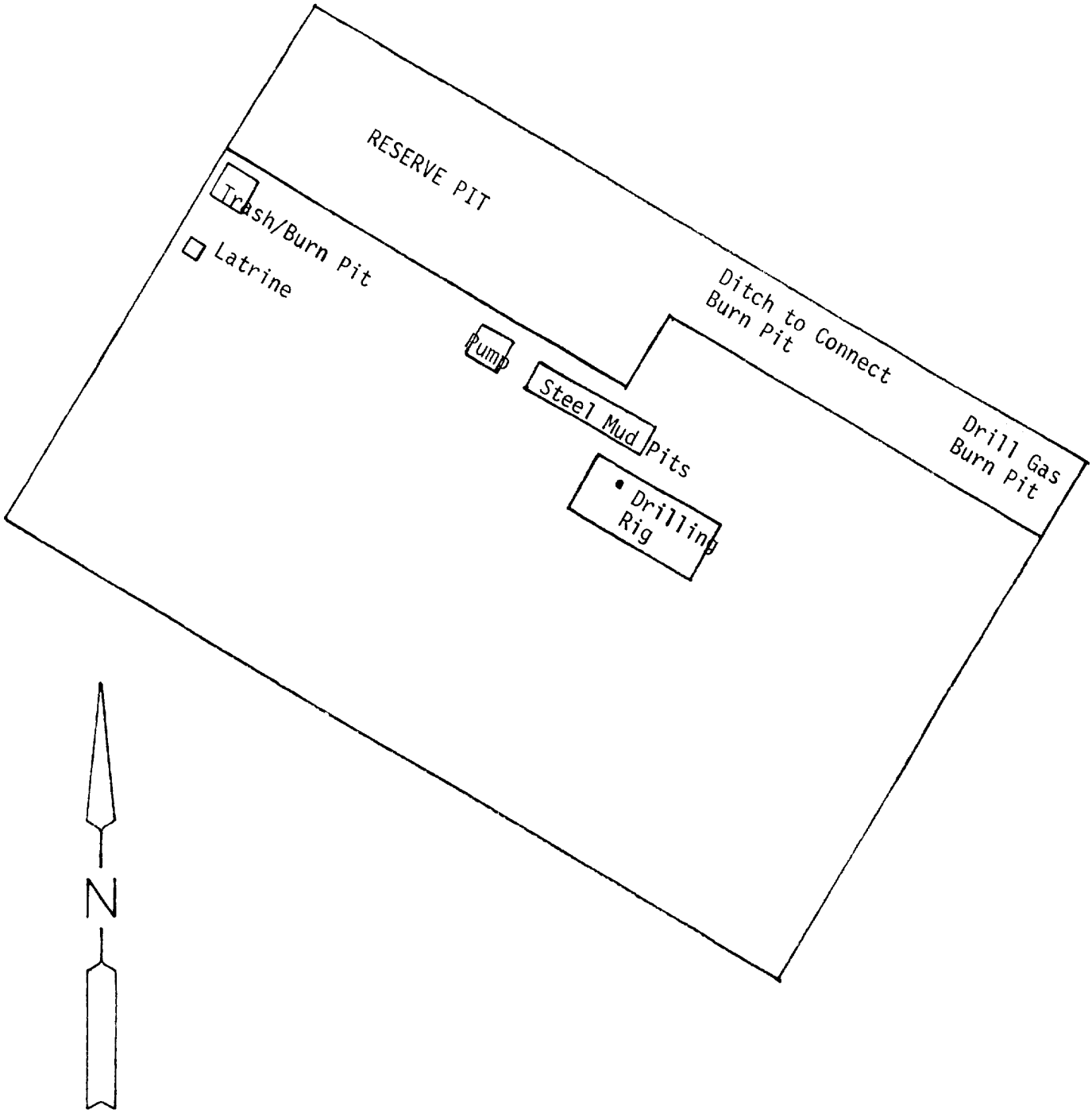


EXHIBIT "H"
Drill Rig Layout

Supron Energy Corporation
Newsom #17E
San Juan County, New Mexico



POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
600 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

November 6, 1980

Steve Connor
John H. Hill et al
The Lakes at Bent Tree #210
17400 Dallas Parkway
Dallas, TX 75252

Dear Mr. Connor:

Enclosed is the cultural resource survey report for the following location:

Newsom 17E

A BLM Class-III pedestrian survey and inspection of existing records were performed for this location. One site was located in the section but not in the immediate well pad location.

Our field investigations revealed one site in the project area. The well pad was realigned to avoid any potential disturbance to the site.

In view of this lack of adverse impact (that is: no effect) upon National Register eligible resources, we are recommending that the project be allowed to proceed.

If you have any questions regarding this report please contact Eva Bailey at this office.

Sincerely,

Marcia J. Tate

Marcia J. Tate
Principal Investigator
Assistant Manager, Heritage

cc: Tom Merlan, SHPO, NM
State Archaeologist, NM
USGS, Farmington, NM
Farmington, BLM resource area (2)
BLM, Albuquerque, NM
Brian O'Neil, District Archaeologist, Grand Junction, CO

MJT/dh

POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
600 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

PROJECT IDENTIFICATION: A cultural resource survey for Supron Energy Corporation, Newsom 17-E, well pad and access, San Juan, New Mexico.

ANTIQUITIES PERMIT NO: 79-NM-111.

FILE SEARCH: A file search conducted October 21, 1980, with the Bureau of Land Management in Farmington, New Mexico, revealed one site. However, this site is situated well away from the well pad location.

MAP REFERENCE: Nageezi Quad, 15', 1959.

PROPOSED ACTION: The proposed action is the construction of a well pad, approximately 200 feet by 250 feet. The access is a 50 foot wide corridor, approximately 2500 feet long, from an existing well, Hodges #10.

LOCATION: 860 ft. FSL, 910 ft. FEL; NW/SE/SE, Section 20, T26N, R8W.

DATE OF INVESTIGATION: October 22, 1980.

PERSONNEL: Brian O'Neil and Carolyn Pierce, Field Investigators; Bruce Rippeteau and Marcia Tate, Principal Investigators.

ENVIRONMENT: The area, in general, is an upland desert plateau, which is heavily dissected by intermittent tributaries to the San Juan River. This has resulted in the formation of numerous sandstone ridges, mesas and buttes with steep slopes and normally broad alluvial flood plains, incised by modern arroyo cutting.

The well pad is situated on the upper flood plain near the confluence of two unnamed intermittent tributaries to Blanco Wash, west of Blanco Mesa. The exposure is northwest. The elevation is approximately 6370 feet.

Drainage pattern and type are dendritic/intermittent. The nearest water is two unnamed intermittent tributaries to Blanco Wash. One is approximately 200 feet north; the other approximately 400 feet west. Other available water is Blanco Wash, approximately 1 and 3/4 miles west.

Vegetation cover is 30% with excellent visibility. The plant community consists of pinon-juniper, sagebrush, rabbitbrush, snakeweed, prickly pear cactus and Indian rice grass.

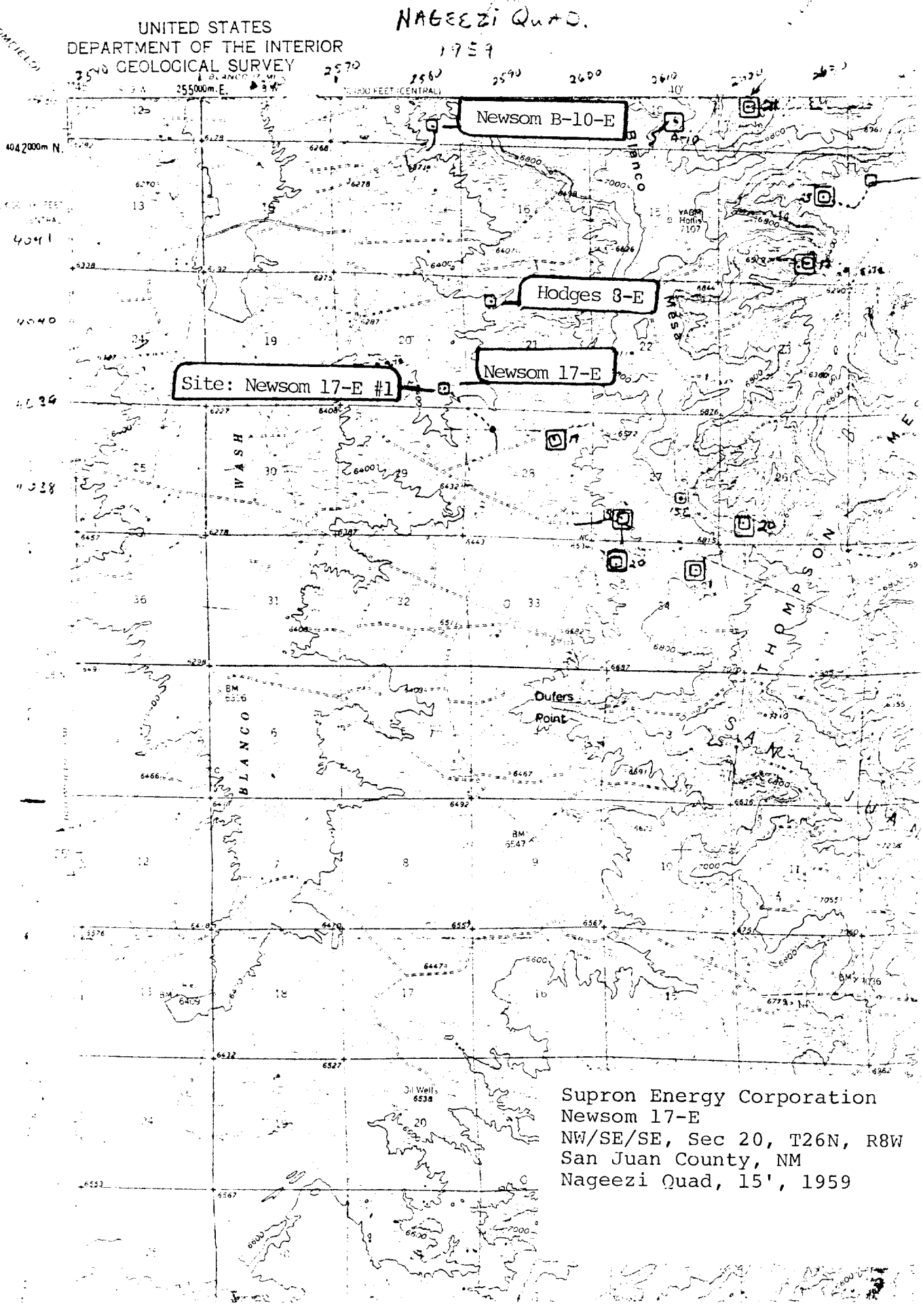
The soil is light brown to tan, fine sandy loam, mixed with rounded gravels and cobbles. The depth is 30 meters. There is a high potential for buried deposits.

FIELD METHODS: A 10 acre area surrounding the well pad center stake was surveyed in parallel east/west transects at intervals of 20 meters. The access road was surveyed 25 feet on each side of the center flagging, for a distance of approximately 2500 feet, to its take off point at existing well Hodges #10.

RESULTS: A badly eroded site was located along the western edge of the well pad. Consequently, the well pad was realigned to avoid any potential disturbance to the site.

RECOMMENDATIONS: We recommend that the project be allowed to proceed.

MJT:dc




Supron Energy Corporation
Newsom 17-E
NW/SE/SE, Sec 20, T26N, R8W
San Juan County, NM
Nageezi Quad, 15', 1959

Powers Elevation Company
Cherry Creek Plaza Suite 1201
600 South Cherry Street
Denver CO 80222
Phone no. 303/321-2217

# SITE SURVEY RECORD

Site No. _____ Temp. No. Newsom 17-E #1

Site Name _____ Client Site No. _____

State New Mexico County San Juan Project Name Supron Energy Newsom 17E

LOCATION: Township 26N Range 8W ¼ of NW ¼ of SE ¼ of SE ¼

section 20 P.M. N.M. UTM 1 3; 2 5 8 1 5 0 mE 4 0 3 9 0 5 0 mN

210 ft. F N L, 1060 ft. F E L

USGS quad Nageezi 7.5 (15) X ' date 1959

Other Maps Gould Pass 15', 1959 Elev. 6370 ft. (x .3048=) 1941.57 m

Access Follow Pipeline Road south along Blanco Wash. Take the existing access road to existing well Hodges #10. Follow the access road to Newsom 17-E. The site is located along the west end of the pad on a low ridge crest.. Attach photocopy of portion of USGS quad. Clearly show site.

ARCHAEOLOGICAL DATA: Site description (stratig if exposed, concentrations, etc.)

The site is composed of a light, open lithic, ground stone and pottery scatter in two concentrations. Area #1 is located on a small hillock north of the well pad center stake. Area #2 is located west/southwest of the center stake. Area #2 is superimposed by a modern sheep camp, composed of crimped seam cans, full seam jars, and a suitcase lid. The estimated age of the sheep camp is 1940s.

Site Dimensions 25 m E-W x 115 m NW-SE; est X measured based on pace

Site Depth surface cut bank x auger _____ shovel _____ other _____

Approx. site area ($m^2$, $m^3$, hectares, etc.) 2875 $m^2$

Artifacts (material, type, descrip., density; lithic morphol.; ceramic bowl/jar/other body/rim/other origin; historic nos./dates/words) Primary and secondary decortication flakes of grey brown, fine-grained quartzite; one

small cobble mano (8.5 cm x 8.5 cm x 3 cm); one cobble core; one obsidian flake. Pottery consists of small (2 cm x 2 cm) sherds of plain grey ware. No vessel form is discernable. Temper is crushed sand. The average surface density is 5/10 $m^2$. Pottery break appears to be one or two large sherds broken into smaller pieces and concentrated within a three meter diameter area. The site appears to represent a small, single occupation campsite. Local cobbles were utilized as the lithic material source. The presence of grinding implements indicates a food preparation activity. There is no visible evidence of hearths on the site.

Surface Collection: yes XX no ____ % coll. ____ sampling techniques datable materials - obsidian flake

Artifact storage at Museum of New Mexico, Albuquerque, NM

Inferred site activities/functions Chipping station/hunting and gathering/food processing

Dating methods ____

Dating results ____

Diagnostic cultural criteria none

Cultural affiliation Anasazi or Navajo

ENVIRONMENTAL DATA: Site soil (color, char., depth of pos.) Light brown/tan fine sandy loam mixed with rounded gravels and cobbles. The depth is 30 meters plus. There is a low potential for subsurface deposits. The areas around the site are composed of alluvial deposits and stabilized sand dunes.

Surrounding soils same

Topography/landform: River/stream side X Alluvial fan ____ Valley bot. X

Lake/ocean shore ____ Bench/terrace# 1 above water Hill side/top/end (Ridge) (side/top)/edge Mt. side/top/end Saddle ____ Canyon bot./rim Talus ____ Cliff ____

Mesa top/edge Plateau ____ Dune ____ Description of Physiography The site is located atop a small interfluvial ridge on the first terrace above the confluence of two unnamed intermittent tributaries to Blanco Wash.

Slope & direction (degrees): site 1 to 5° NW surrounding Same exposure Northwest

Water source (name & nature) unnamed intermittent elev. 6360 feet

distance & direction to 500 feet north & west other sources Blanco Wash

Site vegetation pinon-juniper, sagebrush, rabbitbrush, snakeweed, prickly pear cactus, Indian rice grass

Surrounding plant communities same

Ground visibility: none ____ poor ____ fair ____ good ____ (excellent)

Comments on apparent site microenvironment Typical of area. Good game watch station along two drainages

MANAGEMENT DATA: NRHP on ____ nominated ____ elig ____ need data ____ (no)

State/other regs. ____ Reasons for eligibility ____

Natural deterioration: none ____ light ____ mod. ____ (heavy) ____ (complete)

Type deflation and slope wash

Human disturbance: (none) ____ light ____ mod. ____ heavy ____ complete ____

Type ____

Supervision by ____ (none) ____ marked ____ fenced ____ patrolled ____

access controlled ____ other ____ Present use ____

Proposed impact well pad - secondary % disturbance 5%

Completed: (record) ____ (collect) ____ (map) ____ test ____ part. excav. ____ total excav. ____ stabilized ____ other ____

Management recommendations: (avoid) ____ (include in sketch map) map ____

collect ____ test ____ part excav. ____ total excav. ____ monitor ____

(no further work) ____ other ____

reasons: Not cost effective for data return.

Known collections/excavations/publications ____

Land Owner/status & address Bureau of Land Management-Farmington Resource Area

Attitudes _____ subsurface yes/no withdrawn yes/no

District Albuquerque Tenants _____

Informants _____

Photos 2 Polaroid SX-70

On file at Powers Elevation Company Denver, CO

Recorders Brian O'Neil and Carolyn Pierce Date 10/22/80

Report title _____

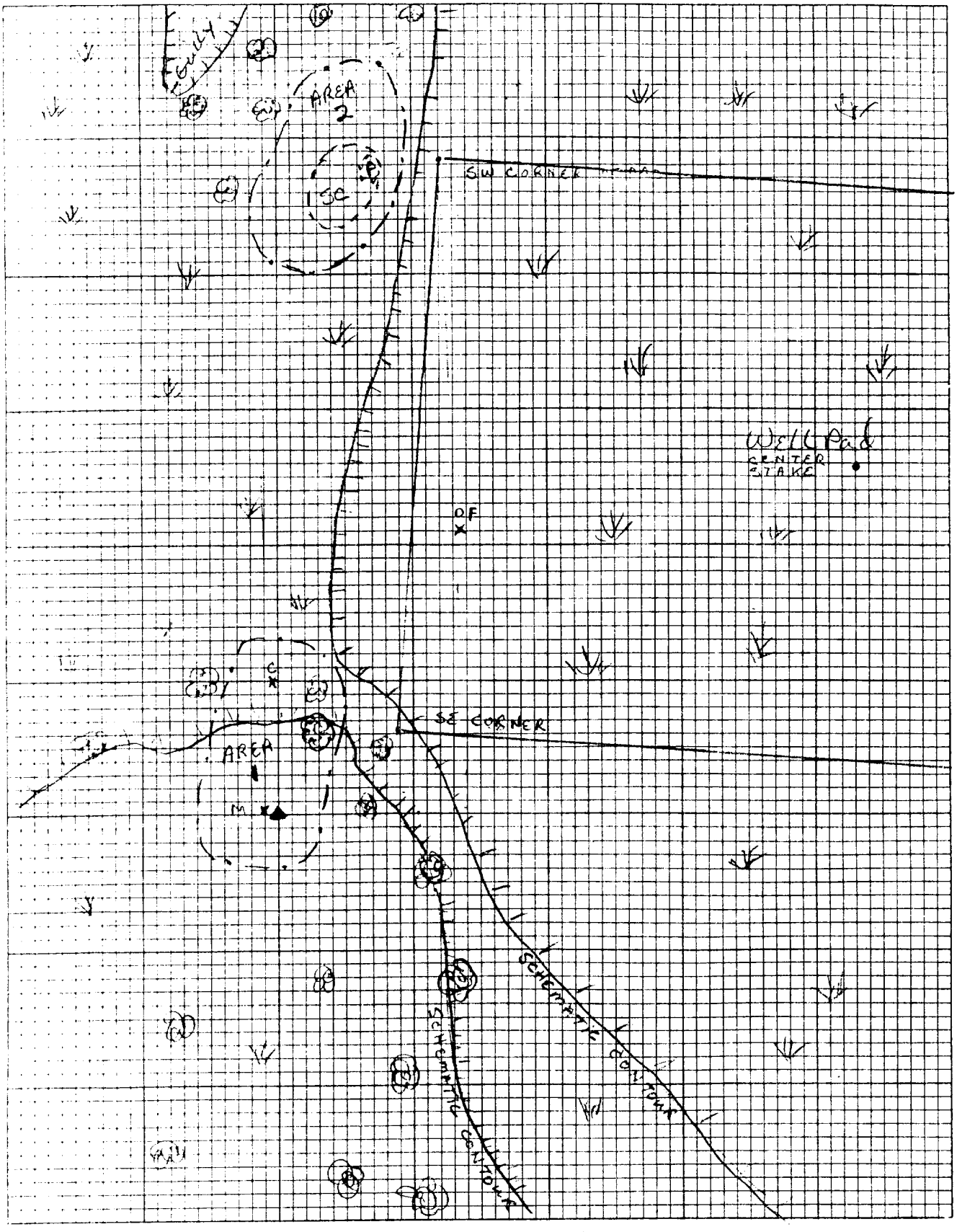
Approved by PI _____

ADDITIONAL INFORMATION:

The obsidian flake collected for possible hydration dating was located down slope from the site on the edge of a cow path. A 30 cm high pile of rocks was placed in Area A to use as a temporary datum. This site is heavily eroded; the absence of ground cover allowing the fine sandy loam of the area to wash out or blow away from the gravels which form the bulk of the soil matrix. Lithic density is extremely low and consists primarily of primary and secondary decortication flakes struck from cobble cores to test the suitability of the cobbles as source material for tool manufacture Gravels are generally small, 2 to 3 cm diameter, with occasional cobbles ranging in size to 10 to 15 cm diameter. Though the presence of a cobble mano would seem to indicate food preparation, no other ground stone implements or surface hearths were observed.

## SITE SKETCH MAP

Indicate site boundaries and features and all major topographic features, permanent modern features. and vegetation zones. Give distances and directional data and include north arrow and scale.



Chapron Energy Corporation
Dawsonne 17-E
NW/SE/SE, Sec 20, T26N, R8W
San Juan County, NM
Site Survey Record

Looking northwest across site.

Looking west at site from center stake.