

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Supron Energy Corporation c/o Gordon L. Llewellyn

3. ADDRESS OF OPERATOR

Suite 140 Campbell Centre, 8350 North Central Expressway
Dallas, Texas 75206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1,540' FNL & 1,850' FEL

(SW NE)

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

11 Miles North of Farmington, New Mexico

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1,540'

16. NO. OF ACRES IN LEASE

2,081.20

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320,

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7,000'

20. BITARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,645' GR

22. APPROX. DATE WORK WILL START*

July 10, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" New	24# K-55ST&C	300'	3 Stage - DV Tool to
6 1/4"	4 1/2" New	10.5# CW-55 ST&C	7,000'	cover Pictured Cliffs & Mesa Verde

1. Drill 12 1/4' 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 6 1/4" hole to 7,000'.
3. Run tests if warranted and run 4 1/2" 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" Access Road Maps to Location
- "F" Radius Map of Field
- "G" Drill Pad Layout, Production Facilities & Cut-fill Cross Section
- "H" Drill Rig Layout

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

TITLE

Engineer Drilling & Prod. DATE June 3, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

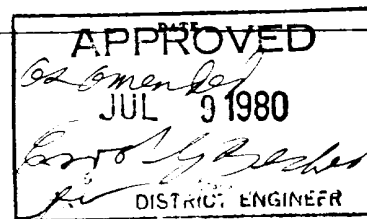
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NMDCG



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-107
Supersedes C-127
Effective 1-1-65

EXHIBIT "A" - Location & Elevation Plat

All distances must be from the outer boundaries of the Section.

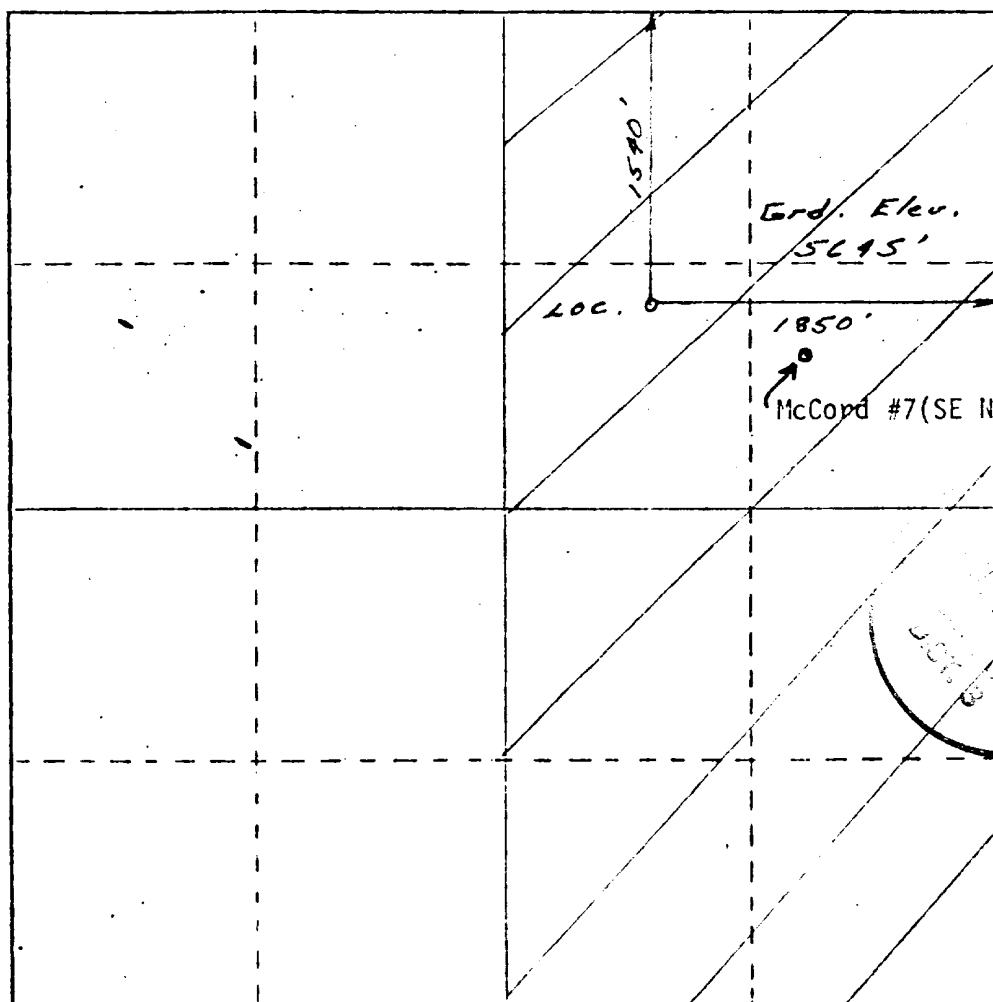
Operator Supron Energy Corporation			Lease SF-078212		Well No. McCord 7R
Unit Letter G	Section 4	Township 30 North	Range 13 West	County San Juan	
Actual Footage Location of Well: 1590 feet from the North line and 1850 feet from the East line					
Ground Level Elev. 5645'	Producing Formation DAKOTA		Pool BASIN DAKOTA		Dedicated Acreage 320.6

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Commission.



CERTIFICATION

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

Name: **George Lapaseotes**
Position: **V. Pres. Powers Elevation**
Agent Consultant for
Company: **Supron Energy Corporation**
Date: **June 3, 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.

23
Date Surveyed: **June 3, 1980**
Registered Professional Engineer
and/or Licensed Surveyor
6844
Certificate No. _____

EXHIBIT "B"
TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Supron Energy Corporation
McCord 7R
SW NE Sec. 4 T30N R13W
1540' FNL & 1850' FEL
San Juan County, New Mexico

1. The Geologic Surface Formation

The surface formation is the Wasatch.

2. Estimated Tops of Important Geologic Markers

Ojo Alamo	475'
Kirtland	560'
Fruitland	1360'
Pictured Cliffs	1705'
Chacra	2515'
Cliffhouse	3290'
Point Lookout	3990'
Gallup	5640'
Greenhorn	6160'
Dakota	6220'
Total Depth	7000'

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

Ojo Alamo	475'	Water
Kirtland	560'	Water
Fruitland	1360'	Water
Pictured Cliffs	1705'	Gas
Chacra	2515'	Water
Cliffhouse	3290'	Gas
Point Lookout	3990'	Gas
Gallup	5640'	-----
Greenhorn	6160'	-----
Dakota	6220'	Gas

4. The Proposed Casing Program

HOLE SIZE	INTERVAL	SECTION LENGTH	SIZE (OD)	WEIGHT, GRADE & JOINT	NEW OR USED
12 1/4"	0-300'	300'	8 5/8"	24# K-55 ST&C	New
6 1/2"	0-2000'	2000'	4 1/2"	10.5# K-55 ST&C	New
	2000'-6000'	4000'		10.5# CW-55 ST&C	
	6000'-7000'	1000'		10.5# K-55 ST&C	

Cement Plans: 3 stage - D.V. Tool to cover Pictured Cliffs and Mesa Verde.

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 nipping 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 Characteristics of the Proposed Circulating Muds

The well 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./qt.	FLUID LOSS cc
0-300'	Fresh Water gel	8.4 - 9.5	35 - 45	less than 10
300'-6000'	" " "	8.4 - 9.5	35 - 45	less than 10
6000'-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 a mud logging unit nor a gas 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 of 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

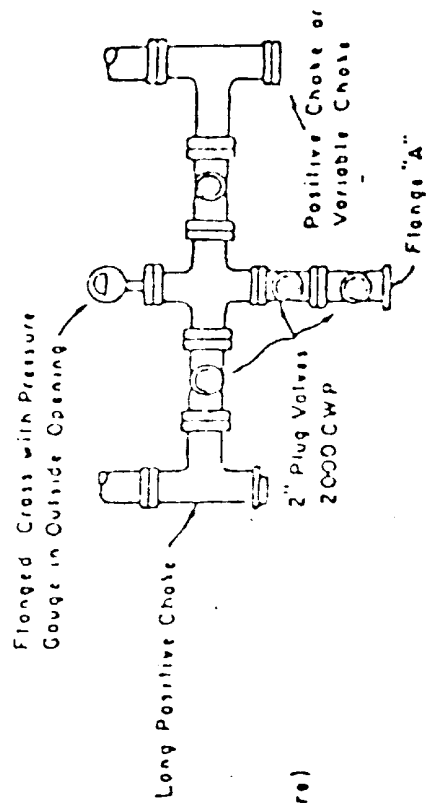
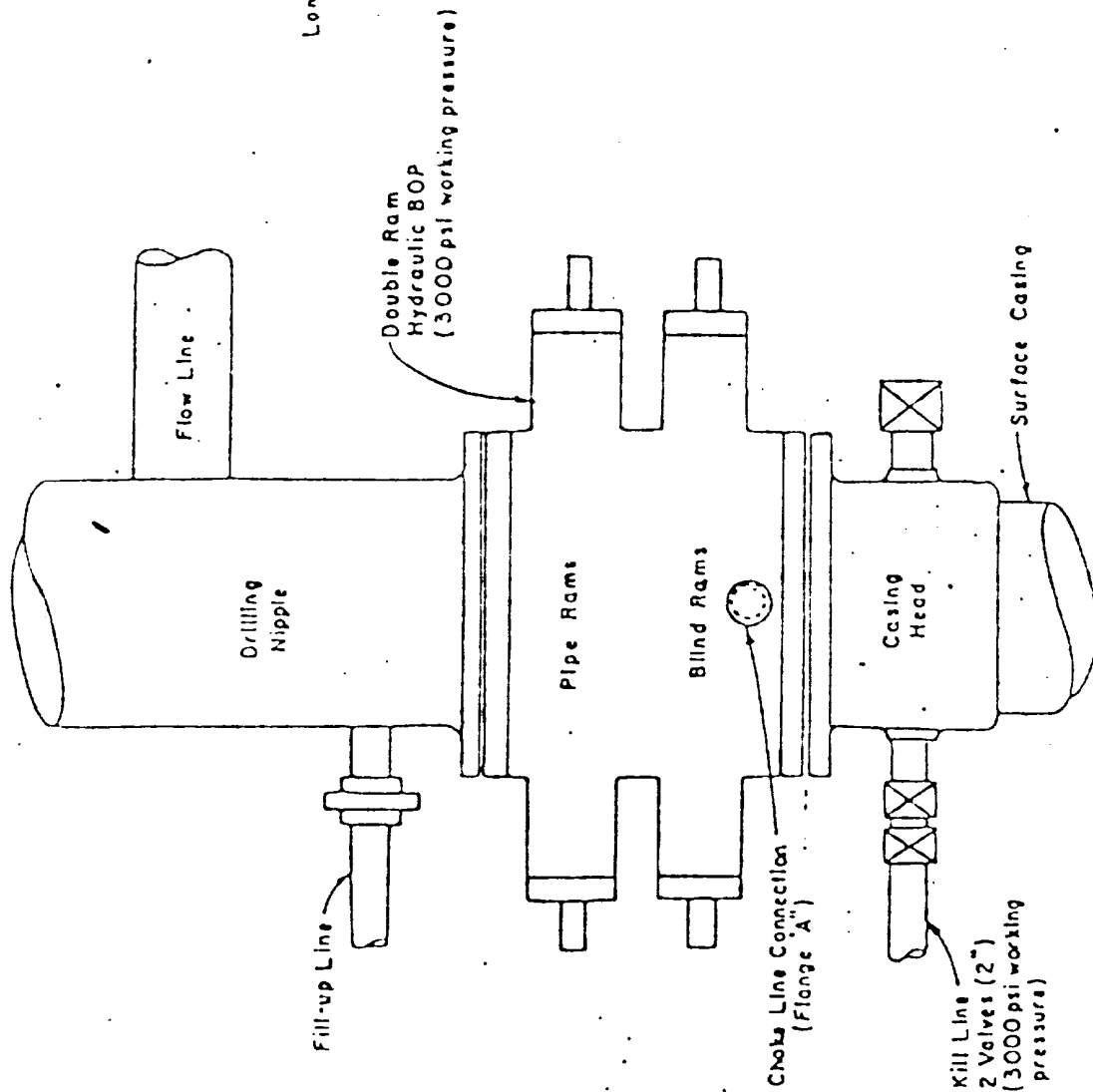
No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

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 July 10, 1980, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 3 weeks after spudding the well and drilling to casing point.

Blowout Preventer
Diagram



PLAN VIEW-CHOKE MANIFOLD

EXHIBIT "D"

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

Attached to Form 9-331C
Supron Energy Corporation
McCord #7R
SW NE Sec. 4 T30N R13W
1540' FNL & 1850' 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 Farmington, New Mexico is 11 miles. From the intersection of Glade and Municipal Streets, take Glade Street Northerly 5.9 miles on oil field road; thence West 0.7 mile on an oil field road, thence North 2.1 miles on oil field road, thence Southwest 2 miles on oil field road; continue 0.2 mile on an unimproved dirt trail, thence North 750' along proposed access road to location, as shown on EXHIBIT "E".
- C. All roads to location are color-coded on EXHIBIT "E". A new access road 0.2 mile from the existing dirt trail will be required, as shown on EXHIBIT "E".
- D. N/A
- E. This is a development well. All existing roads within a one-mile radius are shown on EXHIBIT "E".
- F. The 0.2 mile of dirt trail needs improvement. Upgrading will be performed as required.

2. Planned Access Roads

Map showing all necessary access roads to be constructed or reconstructed is shown as EXHIBIT "E" for the following:

- (1) The maximum width of the running surface of the 750 feet of access road, extending beyond the existing dirt trail will be 18'.
- (2) The grade will be 1%.
- (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.
- (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 constructed was staked and centerline flagged, as shown on EXHIBIT "E".

3. Location of Existing Wells

For all existing wells within a 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 5 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 a one-mile radius of location the following existing facilities are owned or controlled by lessee/operator:

- (1) Tank Batteries: None
- (2) Production Facilities: None
- (3) Oil Gathering Lines: None
- (4) Gas Gathering Lines: None
- (5) Injection Lines: None
- (6) Disposal Lines: None

- B. If the well is productive, new facilities will be as follows:
- (1) Production facilities will be located on the 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 feet long and 250 feet 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 B.L.M. stipulations.

5. Location and Type of Water Supply

- A. The source of water is the La Plata River, 1.5 miles West 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 well or constructing access roads into the drilling location unless well is productive. The surface soil materials will be sufficient or will be purchased from 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.
- (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 is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed.
- (4) Chemical toilet facilities will be provided for human waste.
- (5) Garbage, waste, salts and other chemicals produced during drilling or testing will be handled in trash/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 the pit has dried and is filled.

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 the deepest part of the pad. Topsoil 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, pipe racks and mud tanks. 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 are 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 Fall, 1981, unless requested otherwise.

11. Other Information

- (1) The soil is sandy. No distinguishing geological features are present. The area is covered with cedar. There are rabbits and deer in the area. The location sits on the West side of small mesa and slopes gently Westward.
- (2) The primary surface use is for grazing. The surface is owned by the U.S. Government.
- (3) The closest live water is the La Plata River, 1.5 miles West of the location, as shown on EXHIBIT "E".

The closest occupied dwelling is located 1 mile South 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 July 10, 1980. It is anticipated that the casing point will be reached within 3 weeks 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


Jerry L. Lee
Supron Energy Corporation
c/o Gordon L. Llewellyn
Suite 140 Campbell Centre
8350 North Central Expressway
Dallas, Texas 75206
Phone (214) 692-7021

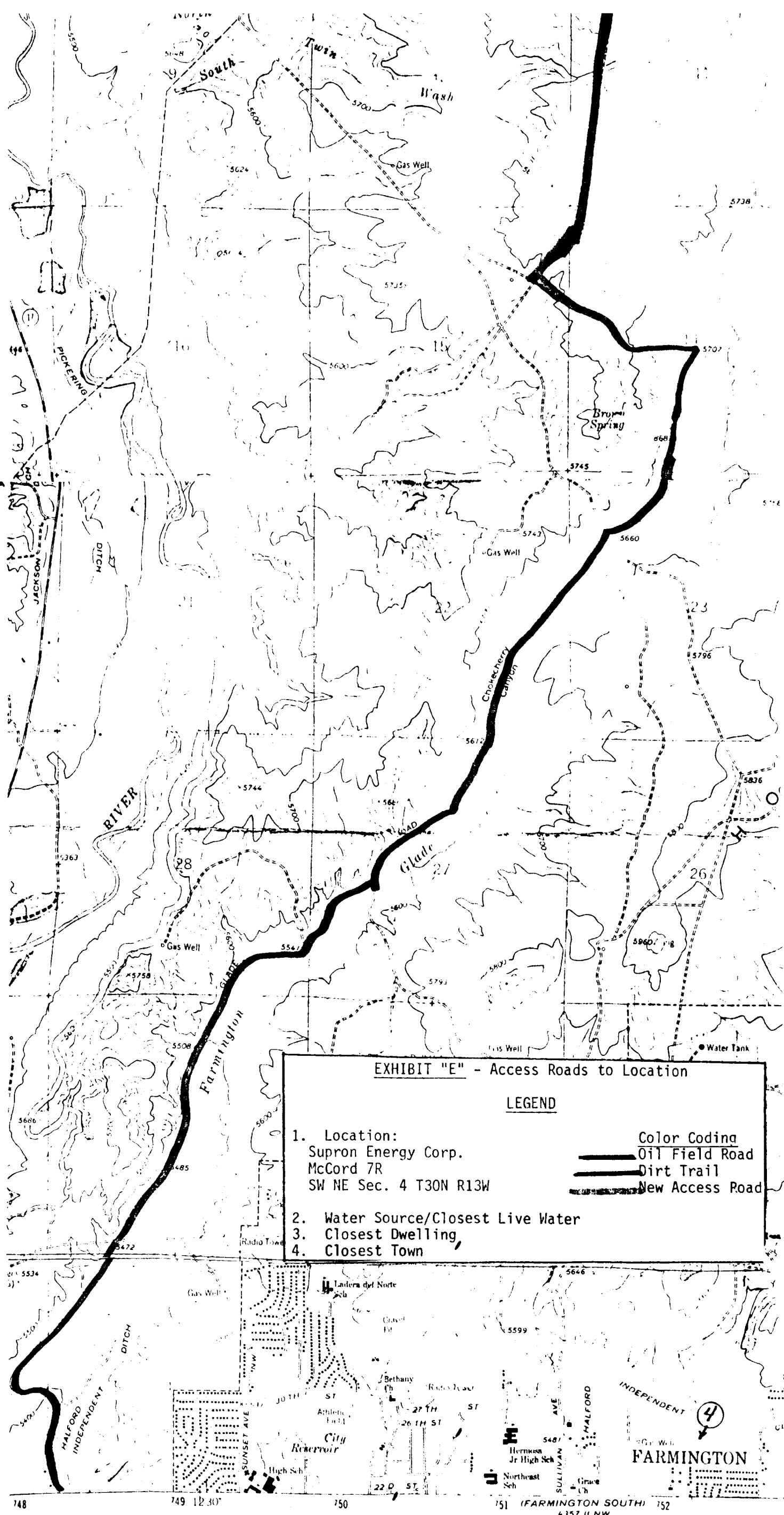
13. Certification

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 associated with the operations proposed herein will be performed by Supron Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

6-5-80


George Lapaseotes
Agent Consultant for
Supron Energy Corporation



SCALE 1:24,000

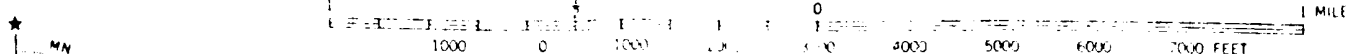


EXHIBIT "F"
Radius Map of Field

DELTA
1-D
5737'

RIVER

One-mile radius

CONSOLIDATED
1-35
5916'
6880'

LA PLATA

F WEST
1
5487'DF
1570'

17

SO. UN.
1
5577'DF
6370'

MONSANTO
1
5888'DF
6229'

BYRD-FROST
1
5849'
2095'

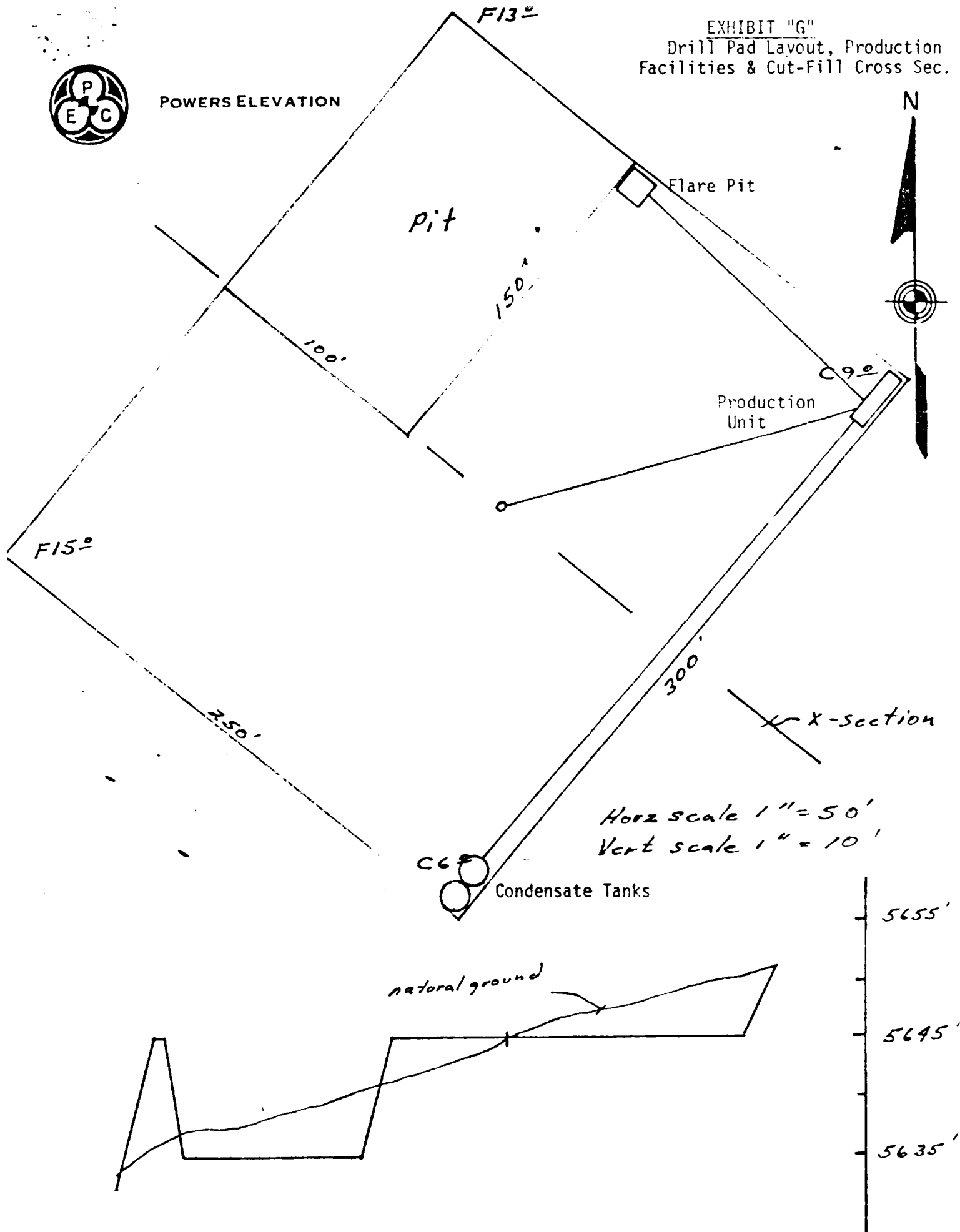
LEGEND

- | | |
|-----------------------|----------------------------|
| ○ LOCATION | ★ OIL & GAS WELL |
| ✧ DRY HOLE | ✧ ABANDONED OIL & GAS WELL |
| ● OIL WELL | ✧ GAS WELL |
| ✧ ABANDONED OIL WELL | ✧ ABANDONED GAS WELL |
| △ TRIANGULATION POINT | □ WATER WELL |

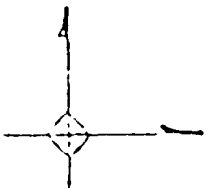


POWERS ELEVATION

EXHIBIT "G"
Drill Pad Layout, Production
Facilities & Cut-Fill Cross Sec.



$\frac{1}{2} \times 100 = 50$



KENAI DRILLING OF NEW MEXICO, INC.
RIG NO. 10