

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>30-039-21518</b>	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache</b>	
2. NAME OF OPERATOR <b>Supron Energy Corporation</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>P.O. Box 808, Farmington, New Mexico 87401</b>		8. FARM OR LEASE NAME <b>Jicarilla "E"</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>1850 Feet from the South line &amp; 1850 feet from the West line.</b> At proposed prod. zone <b>Same as above</b>		9. WELL NO. <b>12</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>8 Miles Northwest of Ojito, New Mexico</b>		10. FIELD AND POOL, OR WILDCAT <b>Tapacito Pictured Cliffs or Blanco Mv. &amp; Basin Dakota</b>	
15. DISTANCE FROM PROPOSED* <b>1850' from lease line</b> LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>790' Drlg. line</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 22, T-26N, R-4W N.H.P.M.</b>	
16. NO. OF ACRES IN LEASE <b>2560</b>		12. COUNTY OR PARISH <b>Rio Arriba</b>	
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>W 320</b>		13. STATE <b>New Mexico</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>3200</b>		14. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>7061 GR.</b>		22. APPROX. DATE WORK WILL START* <b>December 15, 1977</b>	

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	10-3/4"	32.75	350	250 cu. ft.
9-7/8"	7-5/8"	26.40	4000	1300 cu. ft.
6-3/4"	5-1/2"	15.50	3850-8200	550 cu. ft.

We propose to dually complete this well in the Tapacito Pictured Cliffs or Blanco Mesaverde formations and the Basin Dakota formation. This well is on the flank of a Geological void and we will drill to the Dakota formation then dual complete the well either in the Basin Dakota and Blanco Mesaverde formation or the Basin Dakota and Tapacito Pictured Cliffs formation which ever sand is present. A packer will be set between the two formations to prevent comingling of production. Dual tubing strings will be run upon completion of well stimulation. Stimulation will be accomplished by sand water frac of each zone.

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 *Ruby D. Mello* TITLE Area Superintendent DATE Oct. 11, 1977

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

# NEW MEXICO OIL CONSERVATION COMMISSION

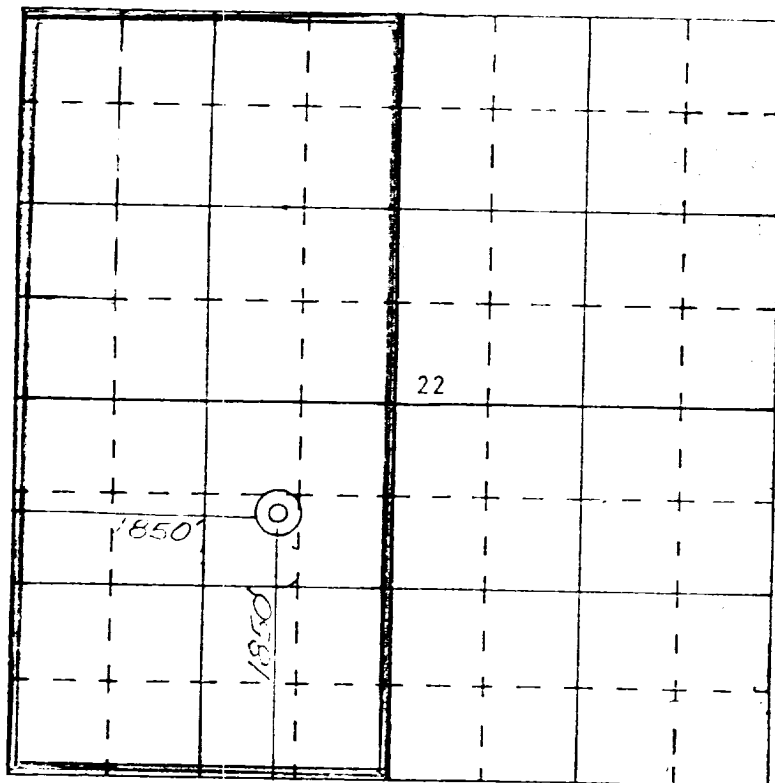
## WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator <b>SUPRON ENERGY CORPORATION</b>			Lease <b>JICARILLA "F"</b>		Well No. <b>12</b>
Unit Letter <b>K</b>	Section <b>22</b>	Township <b>26 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARRIBA</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span>1850 feet from the SOUTH line and</span> <span>1850 feet from the WEST line</span> </div>					
Ground Level Elev. <b>7061</b>	Producing Formation <b>DAKOTA</b>	Mesaverde	Fool <b>Blanco BASIN</b>	Dedicated Acreage <b>320 - 320 Acres</b>	

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 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.

Mesaverde  
Dakota



SCALE—4 INCHES EQUALS 1 MILE

### CERTIFICATION

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

*Rudy D. Motto*  
Name **Rudy D. Motto**

Position **Area Superintendent**

Company **Supron Energy Corporation**

Date **Oct. 15, 1977**

NO. **1463**

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.

Date Surveyed **22 September, 1977**

*James P. Leese*  
Registered Professional Engineer  
and/or Land Surveyor  
**James P. Leese**

**1463**  
Certificate No.

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>SUPRON ENERGY CORPORATION</b>			Lease <b>JICARILLA "E"</b>		Well No <b>12</b>
Unit Letter <b>K</b>	Section <b>22</b>	Township <b>26 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	

Actual Footage Location of Well:  
**1850** feet from the **SOUTH** line and **1850** feet from the **WEST** line

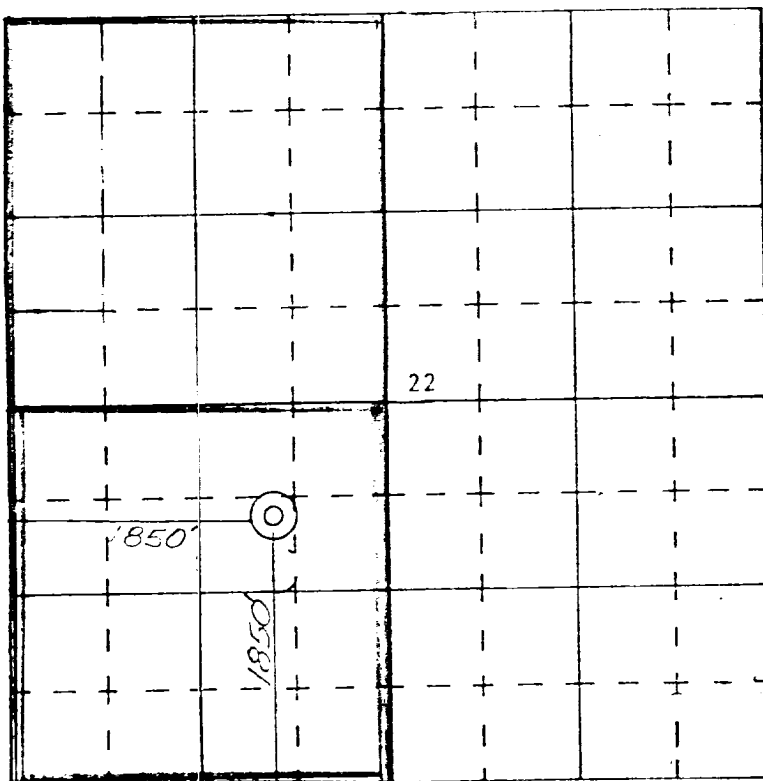
Ground Level Elev. <b>7061</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin</b>	Dedicated Acreage <b>320</b>
	<b>Pictured Cliffs</b>	<b>Tapacito</b>	<b>160</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or burrhead 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).
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*Basin Dakota*  
*Pictured Cliffs*



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

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*Rudy D. Motto*  
 Name **Rudy D. Motto**

Position **Area Superintendent**

Company **Supron Energy Corporation**

Date **Oct. 11, 1977** NO. **1463**

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**22 September, 1977**  
 Date Surveyed

*James P. Lease*  
 Registered Professional Engineer  
 and/or Land Surveyor  
**James P. Lease**

**1463**  
 Certificate No.

# NEW MEXICO OIL CONSERVATION COMMISSION

## WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator <b>SUPRON ENERGY CORPORATION</b>			Lease <b>JICARILLA "E"</b>		Well No. <b>12</b>
Unit Letter <b>K</b>	Section <b>22</b>	Township <b>26 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARRIBA</b>	

Actual Footage Location of Well:  
 1850 feet from the **SOUTH** line and 1850 feet from the **WEST** line

Ground Level Elev. <b>7061</b>	Producing Formation <b>Pictured Cliffs Mesaverde</b>	Foot <b>Tapacito Blanco</b>	Dedicated Acreage <b>160 320</b>	Acres
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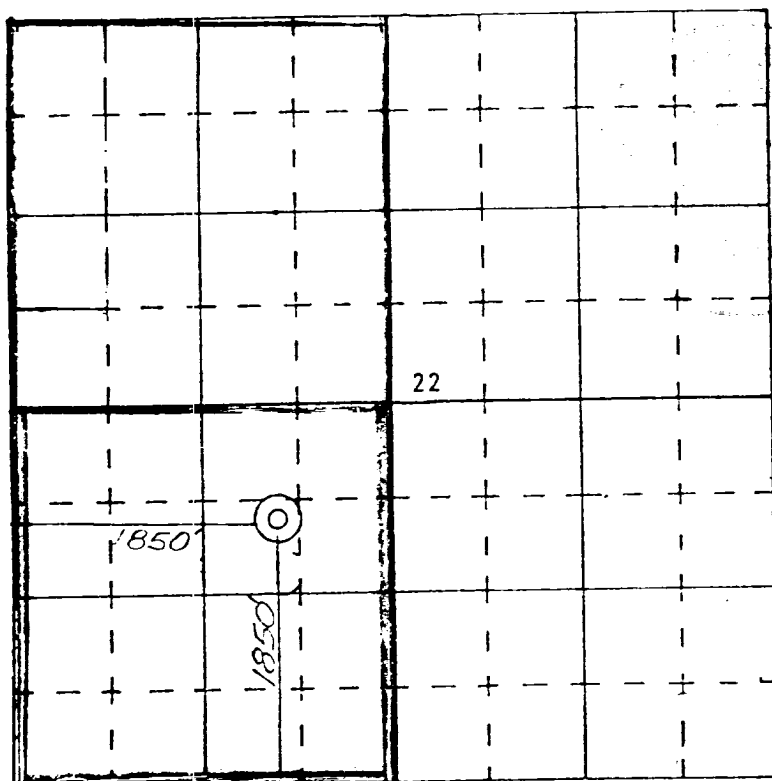
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( ) Yes ( ) No If answer is "yes," type of consolidation .....

If answer is "no," list the owners and tract descriptions which have actually 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.

*Mesaverde*  
*Pictured Cliffs*



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

### CERTIFICATION

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*Rudy D. Motto*  
Name  
**Rudy D. Motto**

Position  
**Area Superintendent**

Company  
**Supron Energy Corporation**

Date  
**Oct. 11, 1977** NO. **1463**

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**22 September, 1977**  
Date Surveyed

*James P. Lease*  
Registered Professional Engineer  
and/or Land Surveyor  
**James P. Lease**

**1463**  
Certificate No.

October 11, 1977

United States Geological Survey  
P.O. Box 1809  
Durango, Colorado 81301

Attention: Jerry Long

Dear Sir:

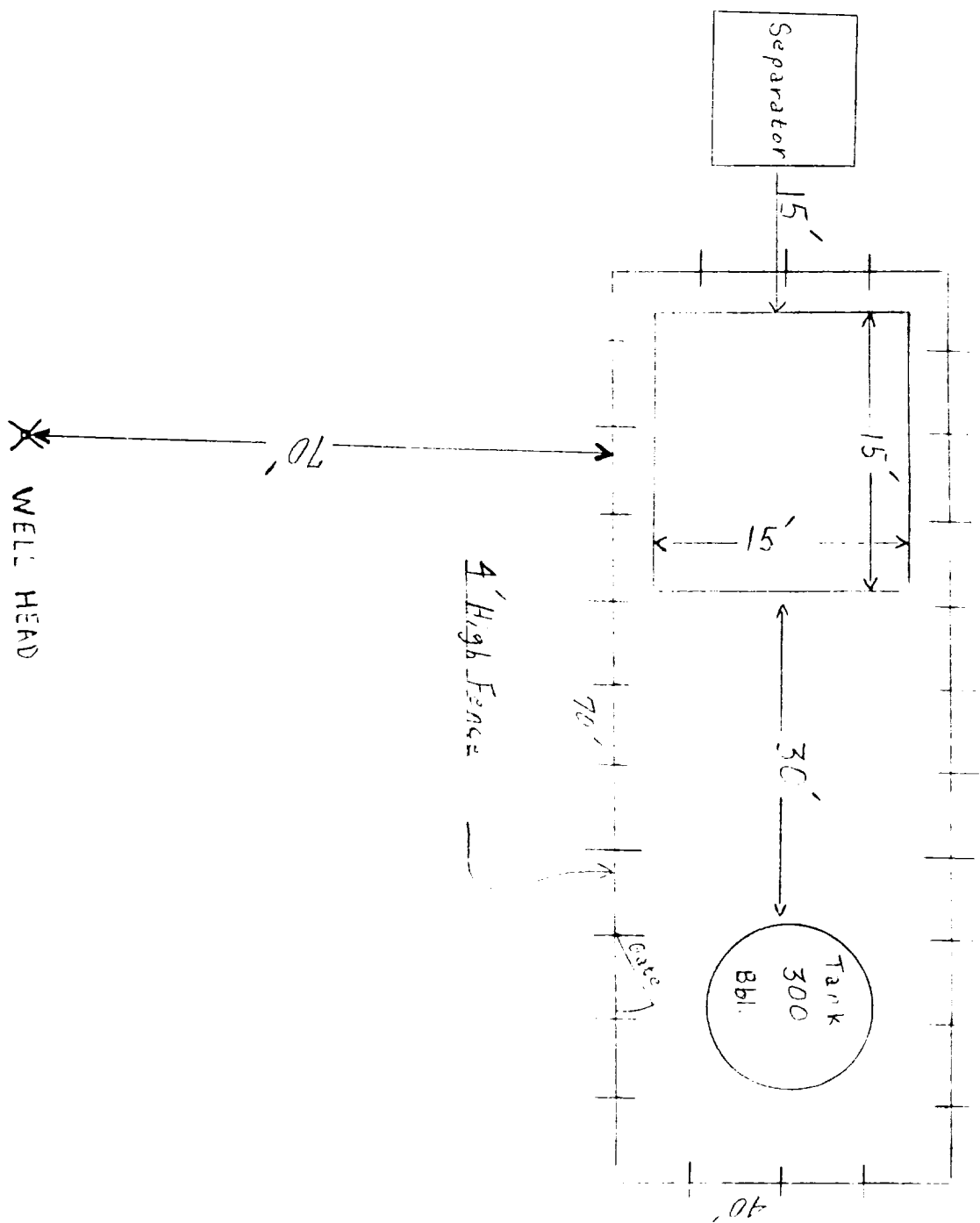
Supron Energy Corporation proposes to drill the Jicarilla "E" No. 12 well located 1850 feet from the South line and 1850 feet from the West line of Section 22, Township 26 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico.

The following attachments are included with this application.

1. Map of existing roads.
2. Planned access road approximately 2000 feet long.
3. Location of existing wells.
4. Lateral roads to well locations.
5. Location of surface equipment if required.
6. Drilling and completion water will be obtained from the Supron Energy Corporation water well located SW/1/4 of Section 23, Township 26 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico.
7. Waste will be disposed of by being placed in the reserve pit and buried after completion of the well.
8. There will be no camp at or near the well.
9. There will be no air strip.
10. A plat is attached showing the location of the rig, mud tanks, reserve pit, burn pit and ect.
11. A letter of certification is attached.
12. Offset operators plat for dual completion.
13. After the well is completed the location will be cleaned up and bladed. The reserve pit will be fenced until it has dried, then the pit will be restored to it's natural state. The access road will be left as is to facilitate production and maintenance of the well. The person responsible for compliance purposes is Mr. Rudy D. Motto, P.O. Box 808, Farmington, New Mexico 87401 Phone: 325-3587
14. The soil is principally sand and sand rock with the principal vegetation being Sage brush, Pinon and Juniper.

JICARILLA "S" NO. 12

1. The geologic name of the surface formation is, "Wasatch".
2. The estimated tops of the important geological markers are:
  - A. Base of the Ojo Alamo 3420 ft.
  - B. Pictured Cliffs 3745 ft.
  - C. Mesaverde 5415 ft.
  - D. Dakota 7897 ft.
3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:
  - A. Ojo Alamo 3420 ft. Water
  - B. Pictured Cliffs 3745 ft. Gas
  - C. Mesaverde 5415 ft. Gas
  - D. Dakota 7897 Ft. Gas
4. The casing program is shown on Form No. 9-331C and all Casing is new.
5. The lessee's pressure control equipment schematics are attached along with minimum specifications, testing procedures and frequencies.
6. The type, estimated volumes and characteristics of the circulating medium are as follows:
  - A. From 0 ft. to 350 ft. - Natural mud
  - B. From 350 ft. to 4000 ft. - Permaloid non dispersed mud containing 360 sx of gel, 150 sx of permaloid, 25 sx of C.M.C., 2 RD 111, 12 sx of Soda Ash and 30 sx of Caustic. Mud weight will be maintained between 8.2" and 8.8#.
  - C. From 4000 ft. to 8200 ft. the hole will be drilled with air.
7. The auxiliary equipment to be used will be floats at the bit and a sub with a uil opening valve on the floor to be stabbed into the dull pipe when the Kelly is not in the string.
8. This well is in an area which is almost completely developed; therefore, we will not have a testing and coring program. The logging program will be as follows:
  - A. E.S. Induction
  - B. Gamma Ray Density
  - C. Gamma Ray Correlation
  - D. Cement Bond or Temperature
9. There is no abnormal pressures, temperatures or hydrogen sulfide problems expected in this highly developed area.
10. The anticipated starting date for this is December 15, 1977.

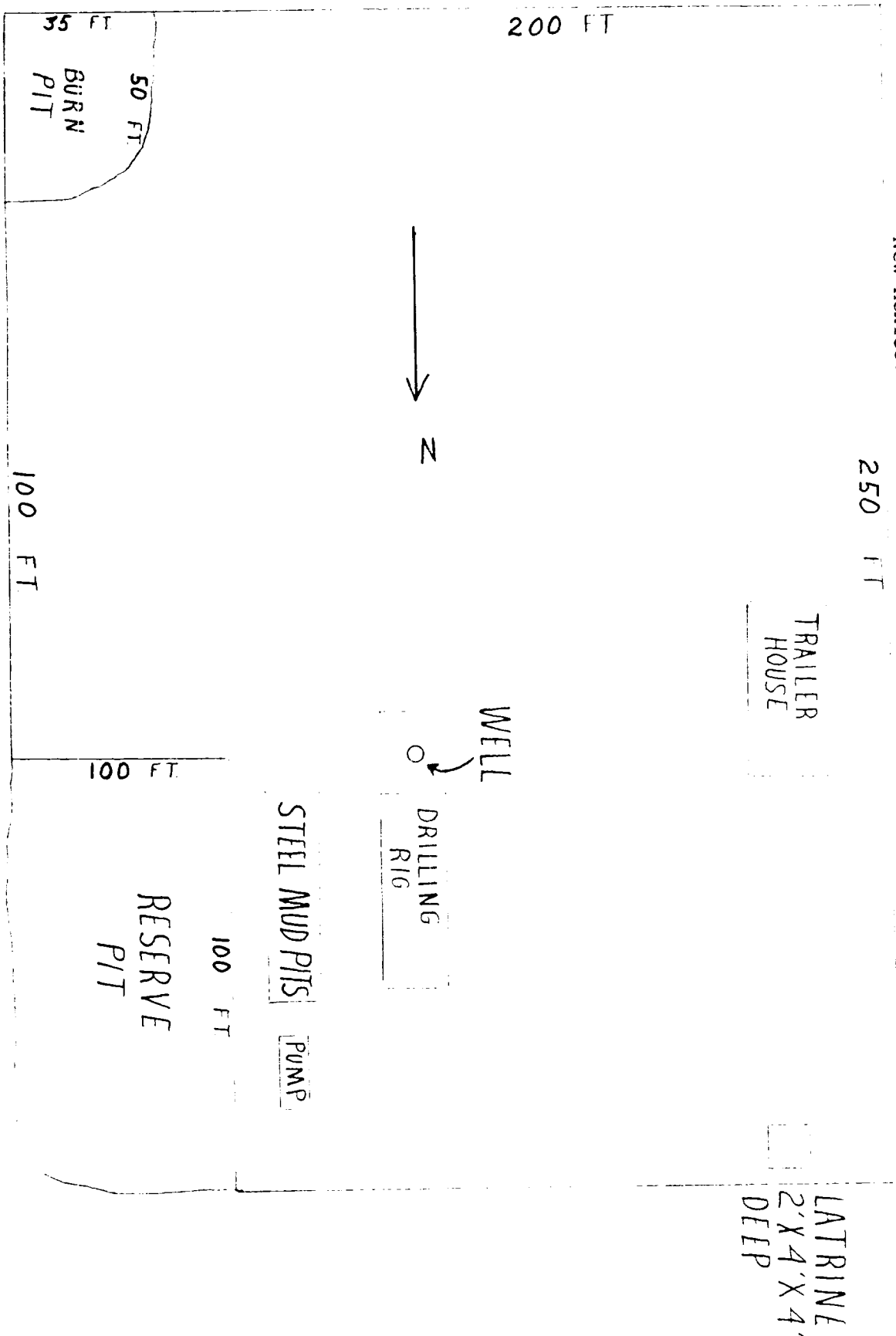




SUPRON ENERGY CORPORATION

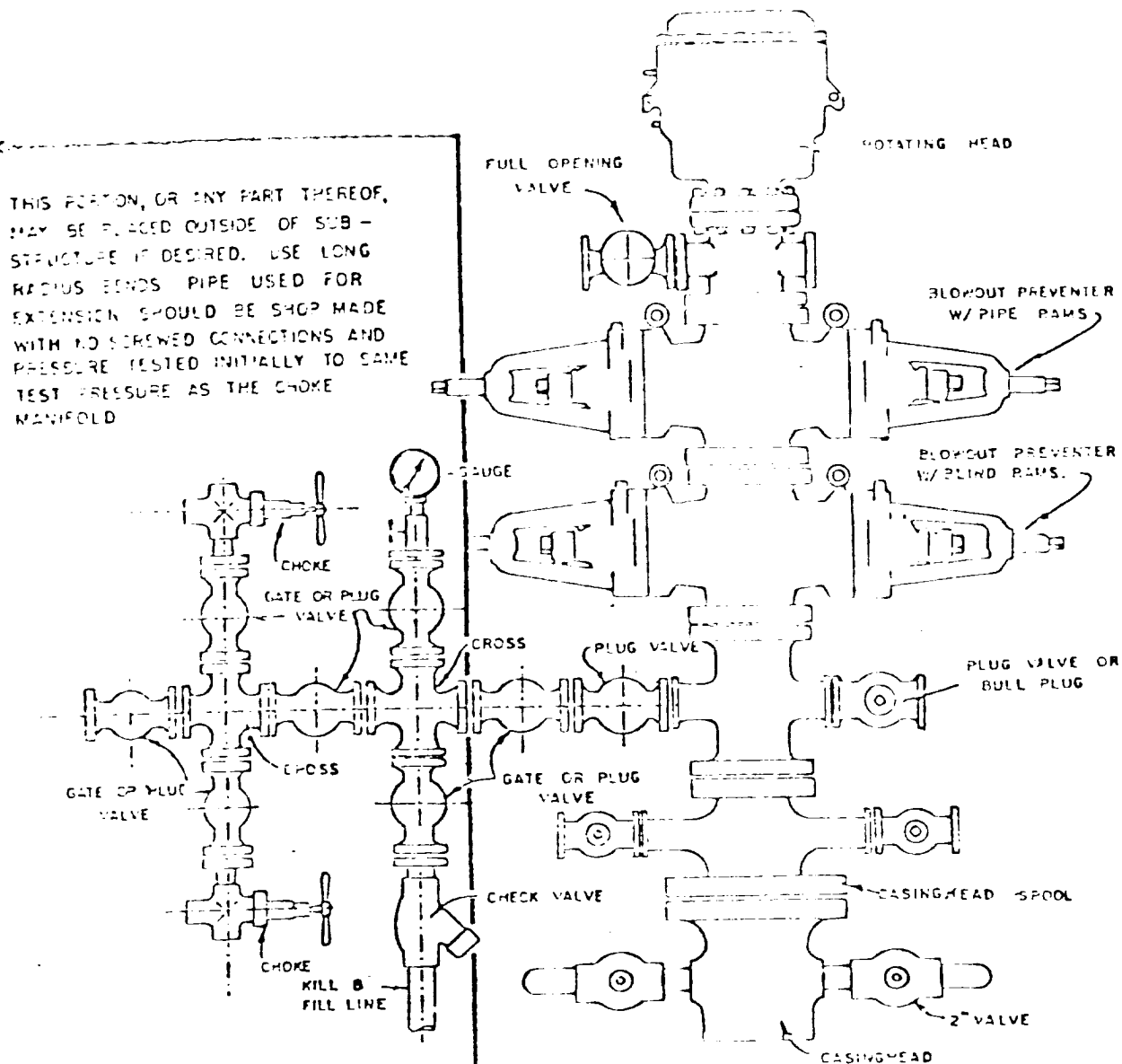
JICARILLA "E" NO. 12

1850 Feet from the South line and 1850 feet from the West line,  
Section 22, Township 26 North, Range 4 West, Rio Arriba County,  
New Mexico.



Blowout Preventer will be tested daily and prior to drilling out with the results to be logged on the drillers report.

The blowout preventer and all valve and fittings are rated at 3000 psi working pressure.

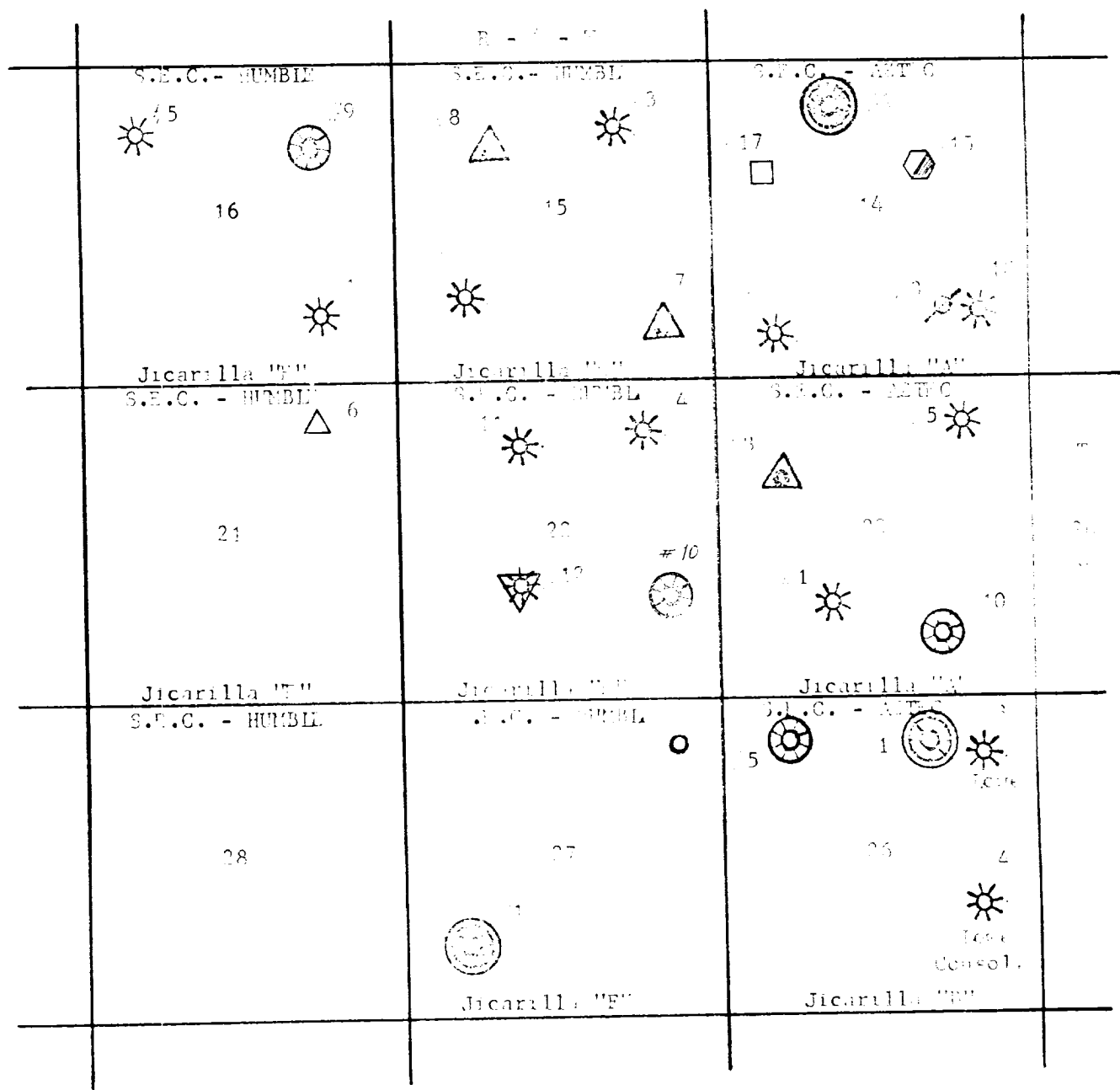


BLOWOUT PREVENTER HOOKUP

SUPRON ENERGY CORPORATION

WELL: JICARILLA "H" NO. 12

LOCATION: 1950 West Road 12, North Line and (P50) feet from  
the West Line, Section 22, Township 26 North, Range  
West, Rio Arriba County, New Mexico.



Proposed Dakota - Mesaverde or Pictured Cliffs Dual Completion



Pictured Cliffs



Dakota - Gallup Dual



Dakota - Mesaverde Dual



Mesaverde



Dakota - Pictured Cliffs Dual



Mesaverde - Pictured Cliffs Dual



Gallup - Pictured Cliffs



Gallup



Flagged Pictured Cliffs