

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

## 3. ADDRESS OF OPERATOR

P.O. Box 808, Farmington, New Mexico 87401

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

At surface  
890 ft./South line and 990 ft./West lineAt proposed prod. zone  
Same as above

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

14 miles northeast of Counselors, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any) 890 ft.18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

100 ft.

## 16. NO. OF ACRES IN LEASE

2560

## 19. PROPOSED DEPTH

7520

17. NO. OF ACRES ASSIGNED  
TO THIS WELL320 S $\frac{1}{2}$ 

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6637 Gr.

## 22. APPROX. DATE WORK WILL START\*

September 1, 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"	24.00	250	175 sx
7-7/8"	4-1/2"	10.50	7520	1000 sx

The surface hole will be drilled to +250 ft. Casing will be run and cemented with the cement being circulated back to the surface. The surface casing will be pressure tested. The well will be drilled to T.D. of approx. 7520 ft. using a starch base mud as the circulating medium. Pipe will be run and cemented in three stages as follows: First stage 400 sx of 50-50 POZ mix, Second stage 400 sx of 50-50 POZ mix followed by 50 sx of class "B" cement and the Third stage 100 sx of HOWCO Lite followed by 50 sx of class "B" with the estimated cement top to be at 2,300 ft. The pipe will be pressure tested and the Dakota zone will be perforated and fractured to stimulate production. The well will be cleaned up and tubing run and landed above the Dakota zone. The well head will be nipped down and the well tested.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, present production 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

  
Rudy D. Motto

TITLE Area Superintendent

DATE 6-12-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



NMOCC

APPROVED  
AS AMENDEDDATE  
JUN 25 1980  
James F. Sims  
JAMES F. SIMS  
DISTRICT ENGINEER

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

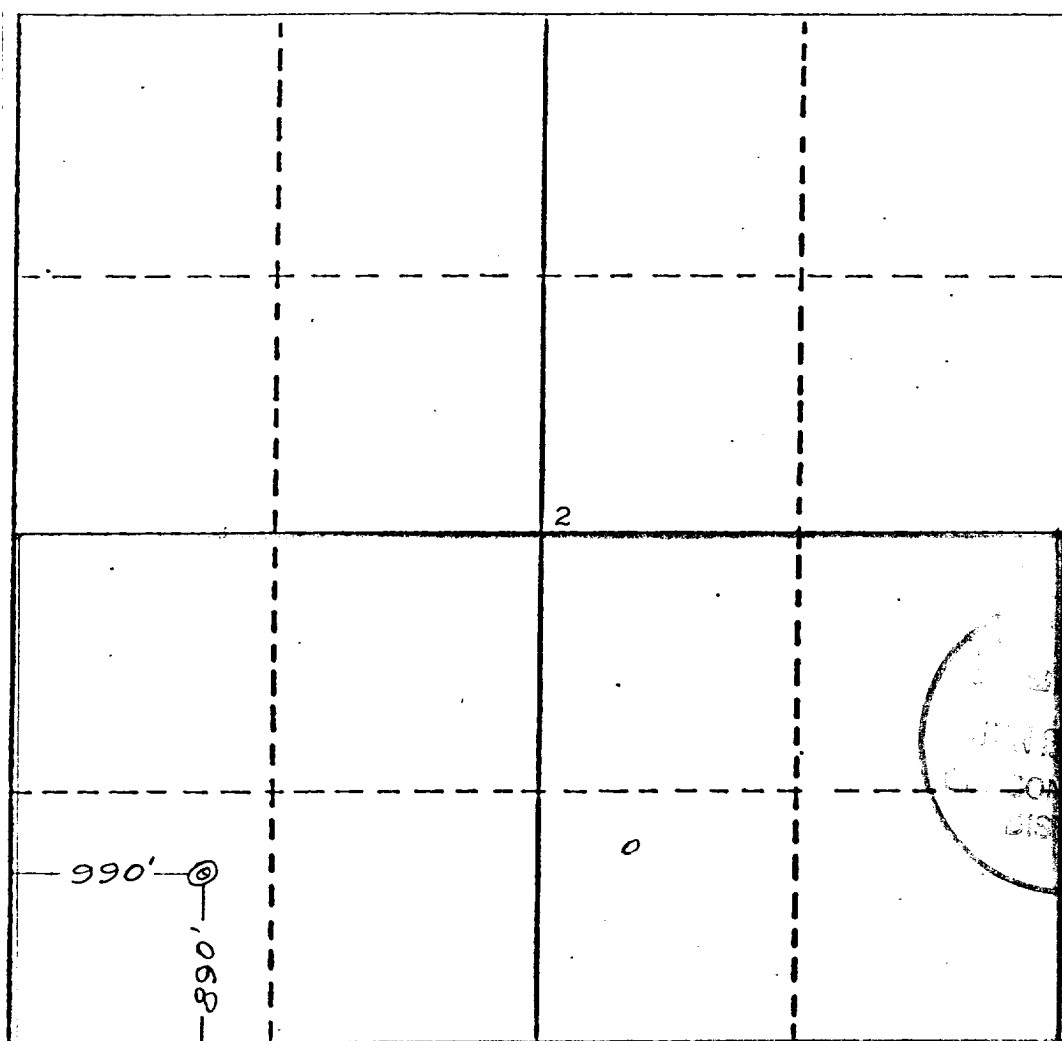
Operator <b>SUPRON ENERGY CORPORATION</b>		Lease <b>JICARILLA "K"</b>		Well No. <b>12-E</b>
Unit Letter <b>M</b>	Section <b>2</b>	Township <b>25 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba</b>
Actual Footage Location of Well: <b>890</b> feet from the <b>SOUTH</b> line and <b>990</b> feet from the <b>WEST</b> line				
Ground Level Elev. <b>6637</b>	Producing Formation <b>DAKOTA</b>	Pool <b>BASIN <i>Dakota</i></b>	Dedicated Acres <b>160</b> Acres	

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 Division.



#### CERTIFICATION

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

*Ludy D. Mott*

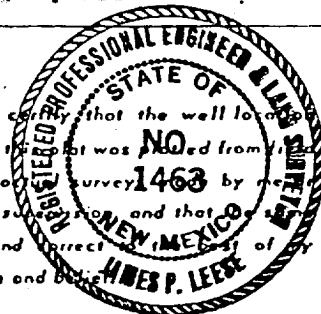
Name  
**Ludy D. Mott**

Position  
**Area Superintendent**

Company  
**SUPRON ENERGY CORPORATION**

Date  
**February 5, 1980**

I hereby certify that the well location shown on this plat was located from the corner of a survey **1463** by me and my assistants, and that the location is true and correct to the best of my knowledge and belief.



COM.  
**3**

Date Surveyed

**February 5, 1980**

Registered Professional Engineer  
and/or Land Surveyor

*James P. Leese*  
**James P. Leese**

Certificate No.

**1463**

SUPRON ENERGY CORPORATION

JICARILLA "K" No. 12-E

SW  $\frac{1}{4}$  Sec. 2 T-25N, R-5W, N.M.P.M.  
Rio Arriba County, New Mexico

1. The Geologic name of the surface formation is, "Wasatch".
2. The estimated tops of important Geologic markers are:

A. Ojo Alamo	2525 ft.
B. Fruitland	2655 ft.
C. Pictured Cliffs	2960 ft.
D. Chacra	3486 ft.
E. Cliff House	4620 ft.
F. Point Lookout	5175 ft.
G. Gallup	6195 ft.
H. Greenhorn	7100 ft.
I. Dakota	7170 ft.
3. The estimated depths at which anticipated water, oil or other mineral bearing formations are expected to be encountered are:

A. Ojo Alamo	2525 ft.	Water
B. Fruitland	2665 ft.	Water
C. Pictured Cliffs	2960 ft.	Water
D. Chacra	3486 ft.	Water
E. Cliff House	4620 ft.	Gas
F. Point Lookout	5175 ft.	Gas
G. Gallup	6195 ft.	Dry
H. Greenhorn	7100 ft.	Shale
I. Dakota	7170 ft.	Gas
4. The casing program is shown on form 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. 0 - 250 ft.	Natural Mud
B. 250 - 7520 ft.	Permaloid non dispersed mud containing approx. 180 sx gel, 70 sx of permaloid and 20 sx of CMC.
7. The auxiliary equipment to be used will be floats at the bit and a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.
8. The well is in an area which is partially developed; therefore we will not have a testing and coring program. The logging program is as follows:

A. E.S. Induction
B. Gamma Ray Density
C. Gamma Ray Correlation
D. Cement Bond Log
9. We do not expect to find any abnormal pressures, temperatures or hydrogen sulfide problems in this partially developed area.
10. The anticipated starting date for this well is September 1, 1980.

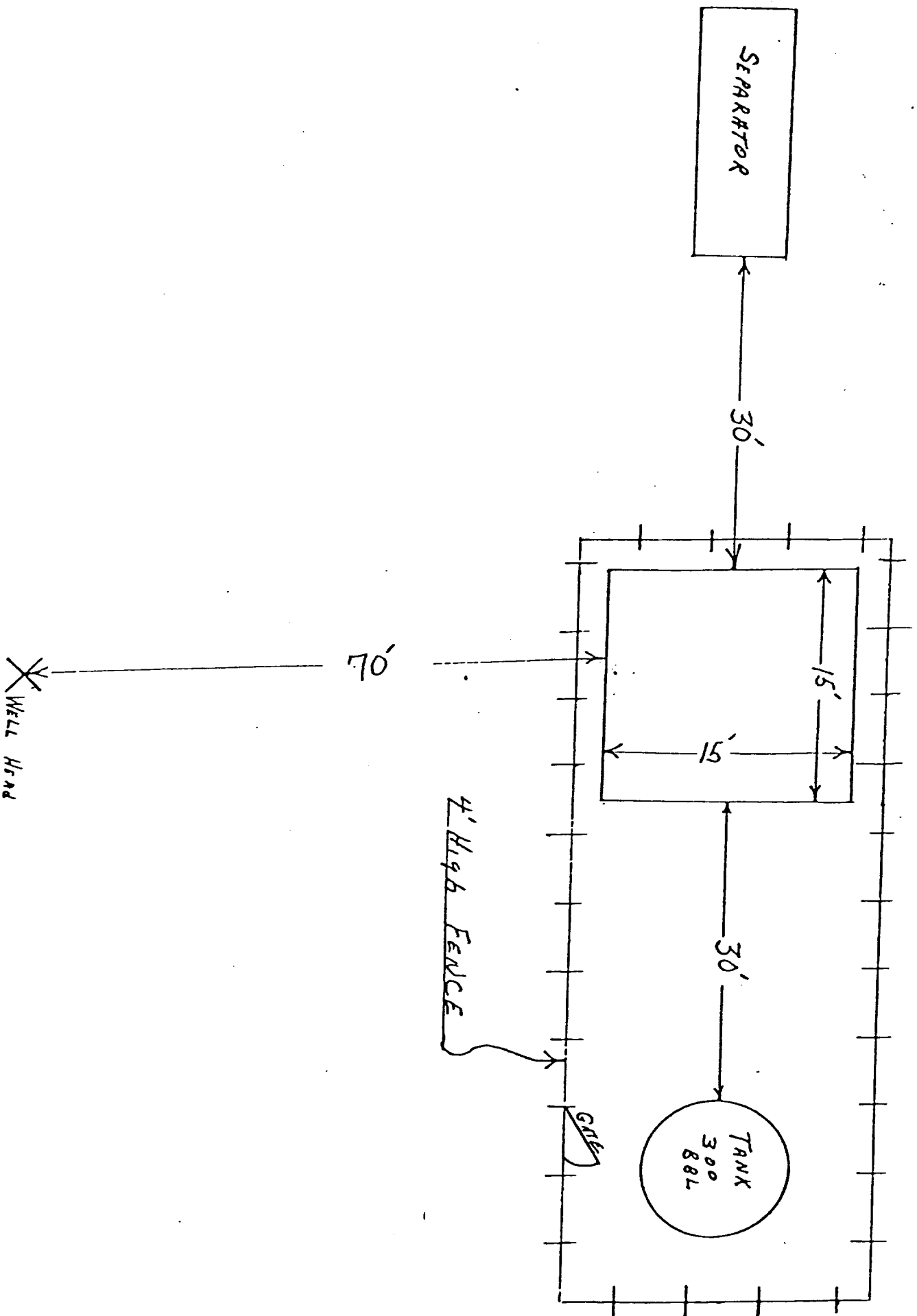
SUPRON ENERGY CORPORATION  
JICARILLA "K" NO. 12-E  
NW/4 Sec. 2, T-25N, R-5W, N.M.P.M.  
Rio Arriba County, New Mexico

The following attachments are included with this application:

1. Topographical map showing proposed location and access road.
2. No access road is required and no additional materials are required.
3. Map showing existing producing facilities and access road.
4. Location of surface equipment if required.
5. Drilling and completion water will be obtained from the Jicarilla "J" Water well.
6. All pits will be fenced and constructed in such a way as to prevent litter on the location.
7. We will dispose of all waste by placing it in the reserve pit and burying it when the well is completed.
8. There will be no camp at or near the well site.
9. There will be no air strip.
10. A plat is attached showing the location of the rig, mud tanks, reserve pit, burn pit, etc.
11. A letter of certification is attached. The operator representative for compliance purposes is Rudy D. Motto, Area Superintendent, P.O. Box 808, Farmington, New Mexico 87401. Phone (505) 325-3587.
12. After the well is completed, the location will be cleaned up, and bladed. The reserve pit will be allowed to dry and then filled and restored to its natural state.
13. The soil is sandy clayey loam, the principal vegetation is sagebrush, greasewood, rabbitbrush, narrowleaf yucca, brome, indian ricegrass, needle and thread, three-awn.

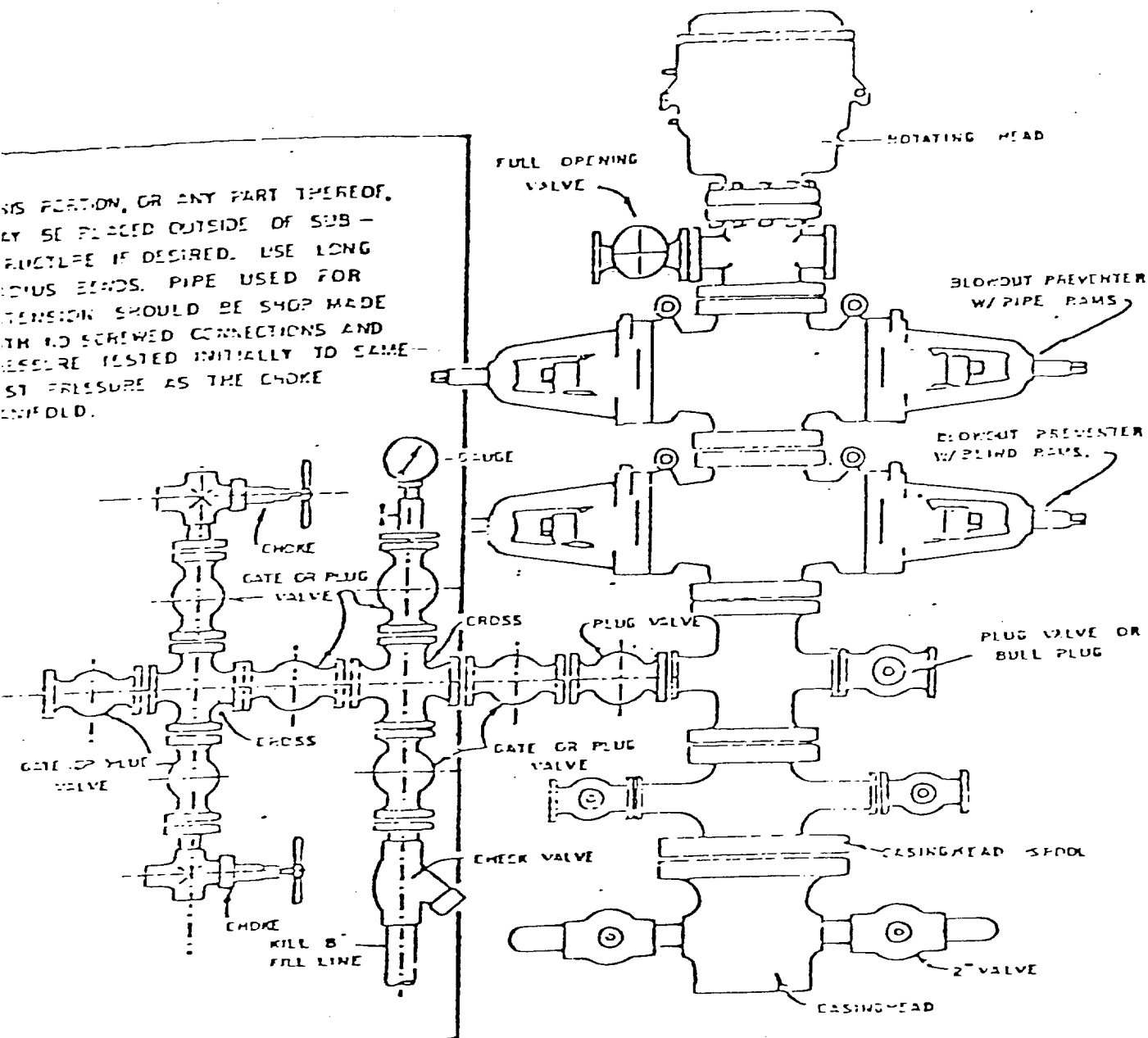


Supron Energy Corporation  
Jicarilla K #12-E  
SW  $\frac{1}{4}$  Sec. 2, T25N, R5W, N.M.P.M.  
Rio Arriba County, N.M.



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

The B.O.P. and all valve and fittings are rated at 3000 psi working pressure, and hydraulically operated



BLOWOUT PREVENTER HOOKUP

# LOCATION AND EQUIPMENT LAYOUT

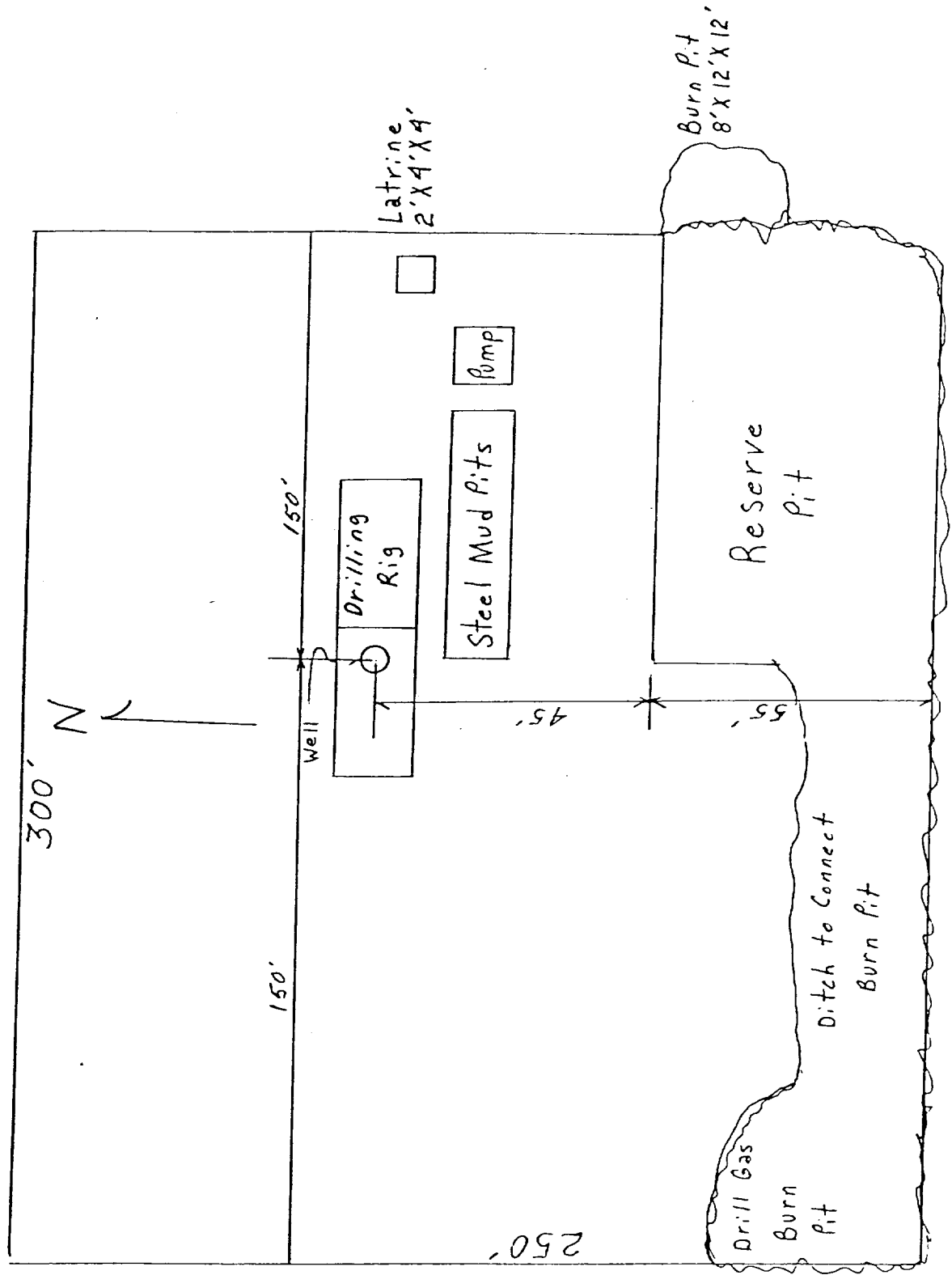
JICARILLA "K" NO. 12-E

890 Ft./S; 990 ft./W line

Sec. 2, T-25N, R-5W

Rio Arriba County, New Mexico

NO ROAD





SUPRON ENERGY CORPORATION  
Post Office Box 808  
FARMINGTON, NEW MEXICO 87401

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 subcontractors in conformity with this plan and the terms and conditions under which it is approved.

SUPRON ENERGY CORPORATION



Rudy D. Motto  
Area Superintendent  
Phone: 325-3587