

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. CONTRACT NO. 105	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR SUPRON ENERGY CORPORATION		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 806, Farmington, N. Mexico 87401		8. FARM OR LEASE NAME Jicarilla "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1770 feet from the North line and 1130 feet from the West line. At proposed prod. zone Same as above		9. WELL NO. 20	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 Miles Northwest of Ojito, New Mexico		10. FIELD AND POOL, OR WILDCAT Tapachto Pictured Cliffs	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1130'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T-26N, R-4W N.M.P.M.	
16. NO. OF ACRES IN LEASE 2560		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 1 1/4		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 240 ft.		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 3600 ft.		22. APPROX. DATE WORK WILL START* July 1, 1973	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6862 ft. Cr.			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8	7.0"	23.02	200 ft.	30 cu. ft.
6-1/8	4-1/2"	10.52	3600 ft.	1026 cu. ft.

This well will be drilled and completed in the Pictured Cliffs formation. After the well is drilled pipe is set and cemented, the pipe will be perforated. The well will be sand water fraced to stimulate production. We will then run 1-1/4" tubing to be set at approximately 3500 feet.

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 Andy J. Botto TITLE Area Superintendent DATE April 27, 1978
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY ok Frank TITLE _____ DATE MAY 10 1978

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

RECEIVED

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 13 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 SUPRON ENERGY CORPORATION		Lease JICARILLA A		Well No. 20
Unit Letter H	Section 23	Township 26 NORTH	Range 4 WEST	County RIO ARriba
Actual Footage Location of Well: 1770 feet from the NORTH line and 1130 feet from the WEST line				
Ground Level Elev. 6863	Producing Formation PICTURED CLIFFS	Pool TAPACITO	Dedicated Acreage NW 1/4 160 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 consolidated. (Use reverse side of this form if necessary.) _____

No acreage 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.

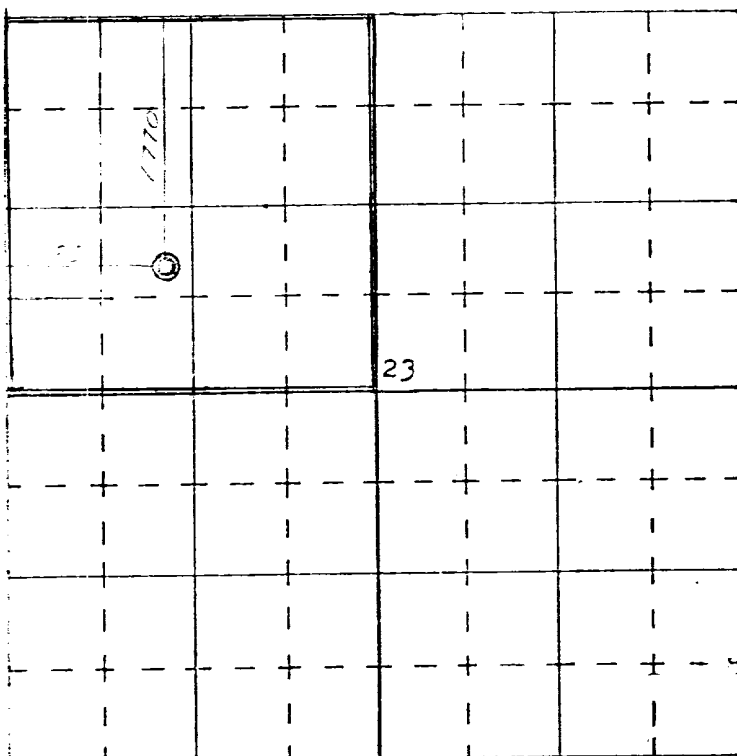
CERTIFICATION

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

Rudy D. Motto
Name
Rudy D. Motto
Position
Area Superintendent
Company
SUPRON ENERGY CORPORATION
Date
April 27, 1978

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.

20 April, 1978
Date Surveyed
James P. Lease
Registered Professional Engineer
and/or Land Surveyor



N

SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

1463
Certificate No.

May 4, 1978

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

Attention: Mr. Jerry Long

Dear Sir:

Supron Energy Corporation proposes to drill the Jicarilla "A" No. 20 well located 1770 feet from the North line and 1130 feet from the West line of Section 23, Township 26 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico.

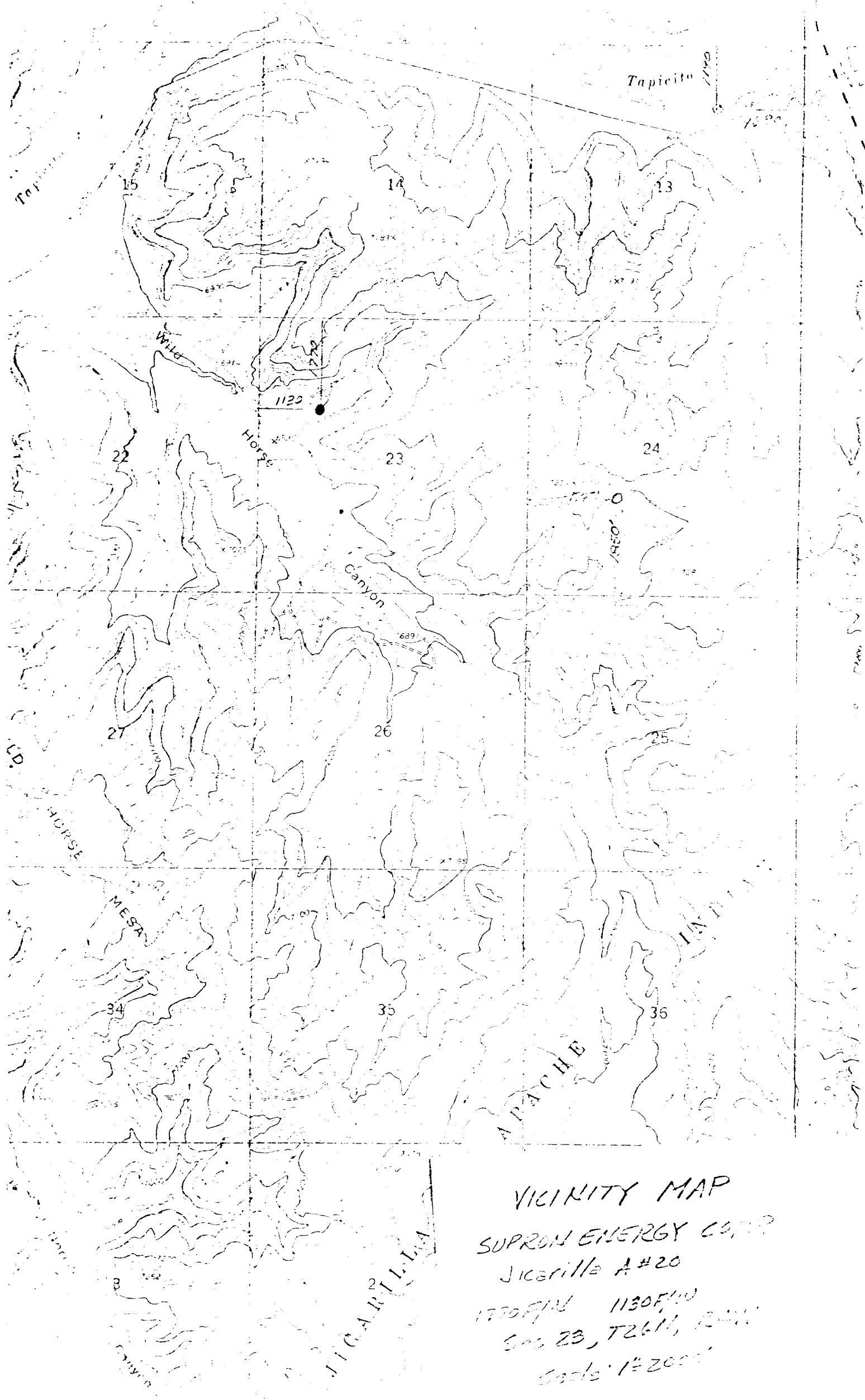
The following attachments are included with this application:

1. Map of existing roads.
2. Planned access road which is approximately 400 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 Supron Energy Corporation water well located in the 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 upon completion of the well.
8. There is no camp at or near the site.
9. There is no air strip.
10. A plat is attached showing the location of the rig, mud pits, reserve pit, burn pit, etc.
11. A letter of Certification is attached and the operators representative 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 fenced on three sides when the location is built. After the well is drilled the reserve pit will be fenced off until it has dried. The pit will then be filled and restored to its natural state.
13. The soil is sandy loam with the principal vegetation being sage brush.

JICARILLA "A" NO. 20

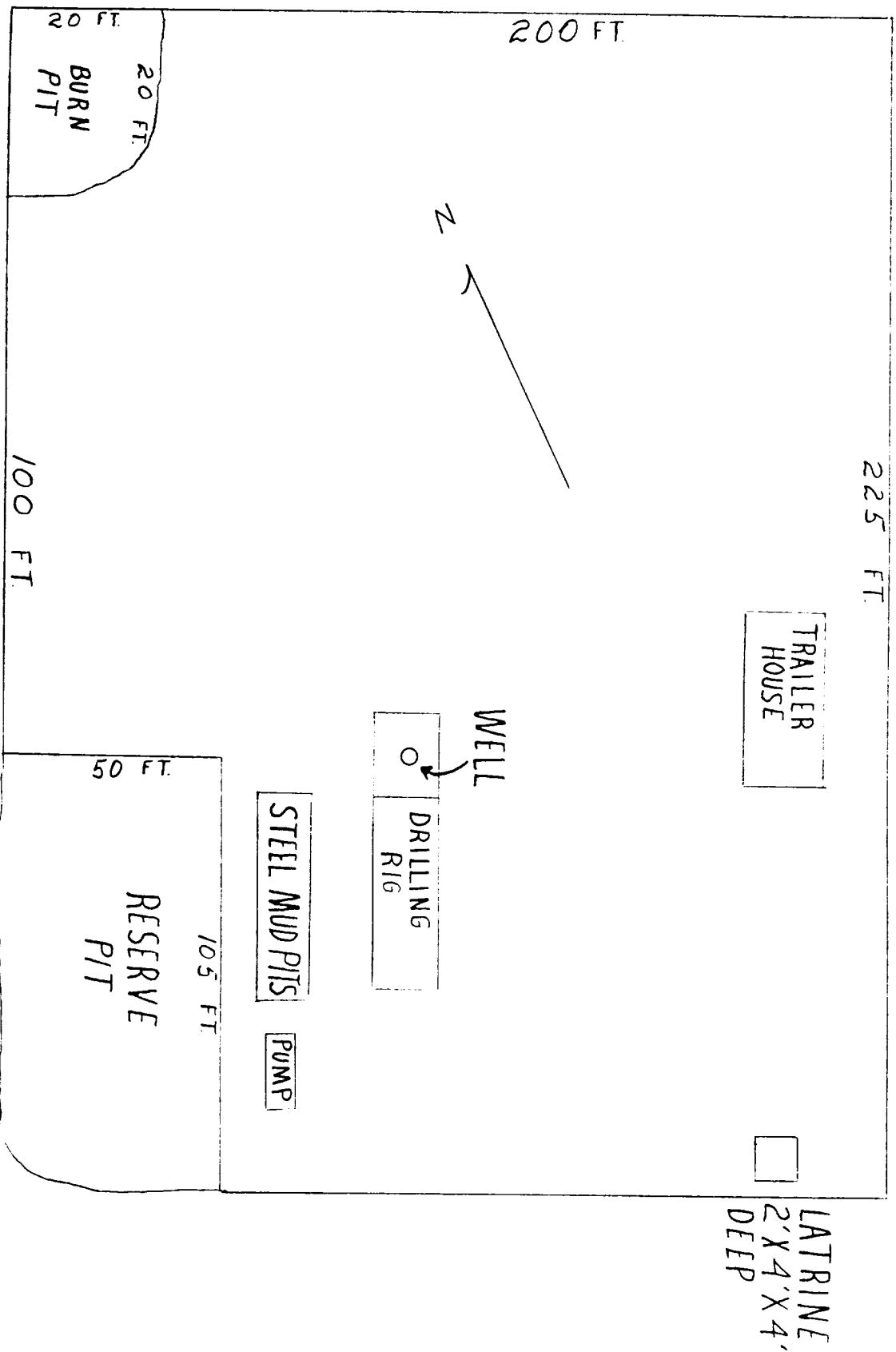
SUPPLEMENT TO FORM 9-331C

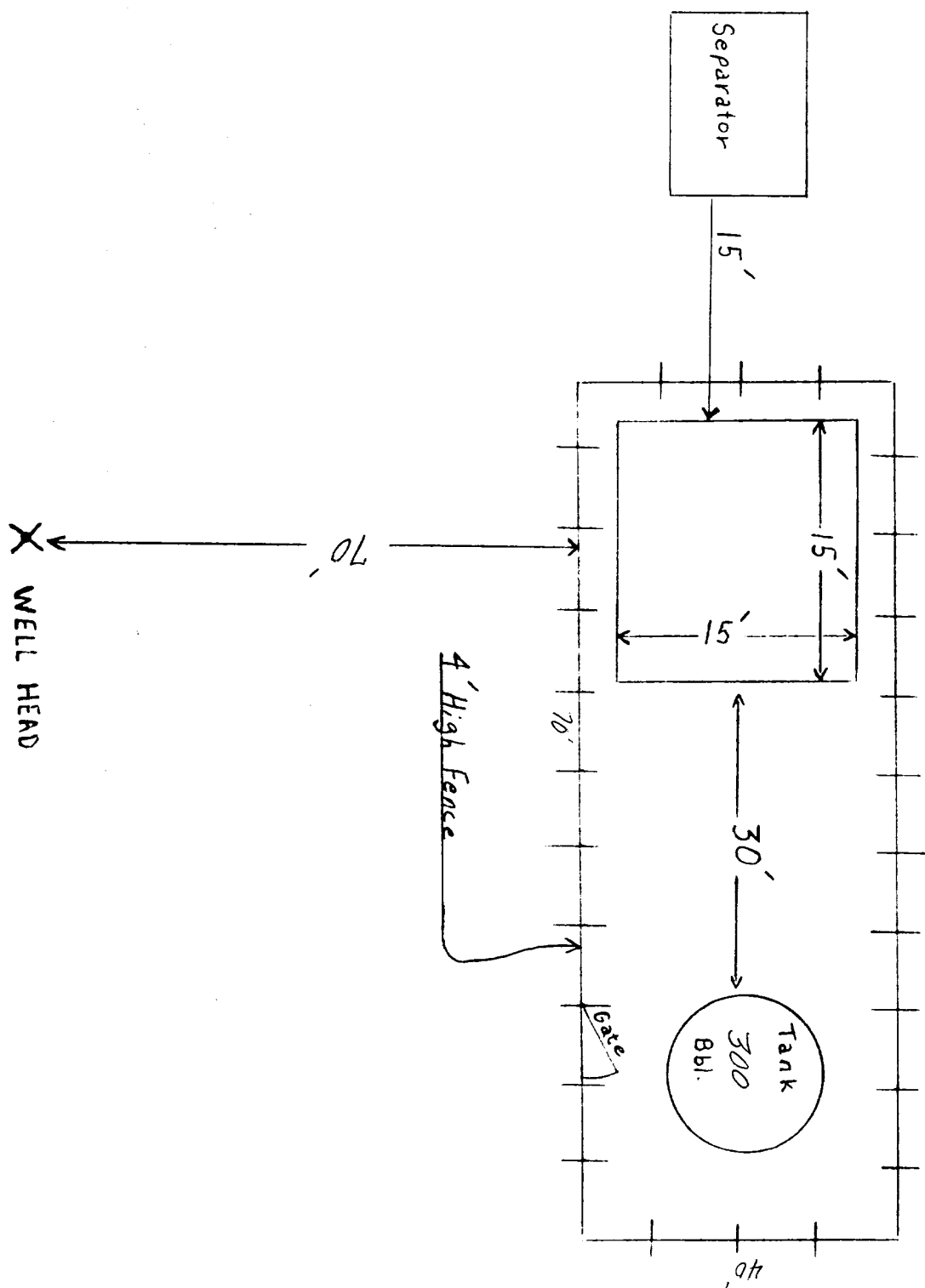
1. The Geologic name of the surface formation is, "Wasatch".
2. The estimated tops of important Geologic markers are:
 - A. Base of Ojo Alamo 3205 ft.
 - B. Fruitland 3300 ft.
 - C. Pictured Cliffs 3490 ft.
3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:
 - A. Base of Ojo Alamo 3205 ft. - Water
 - B. Fruitland 3300 ft. - Water
 - C. Pictured Cliffs 3490 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. From 0 feet to 200 feet - Natural Mud.
 - B. From 200 feet to 3600 feet - Permaloid non dispersed mud containing 167 sacks of gel, 67 sx of permaloid and 10 sacks of C.M.C.
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. 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 are no abnormal pressures, temperatures, or hydrogen sulfide problems expected in this highly developed area.
10. The anticipated starting date of this well is July 8, 1978.



SUPRON ENERGY CORPORATION
JICARILLA "A" NO. 20

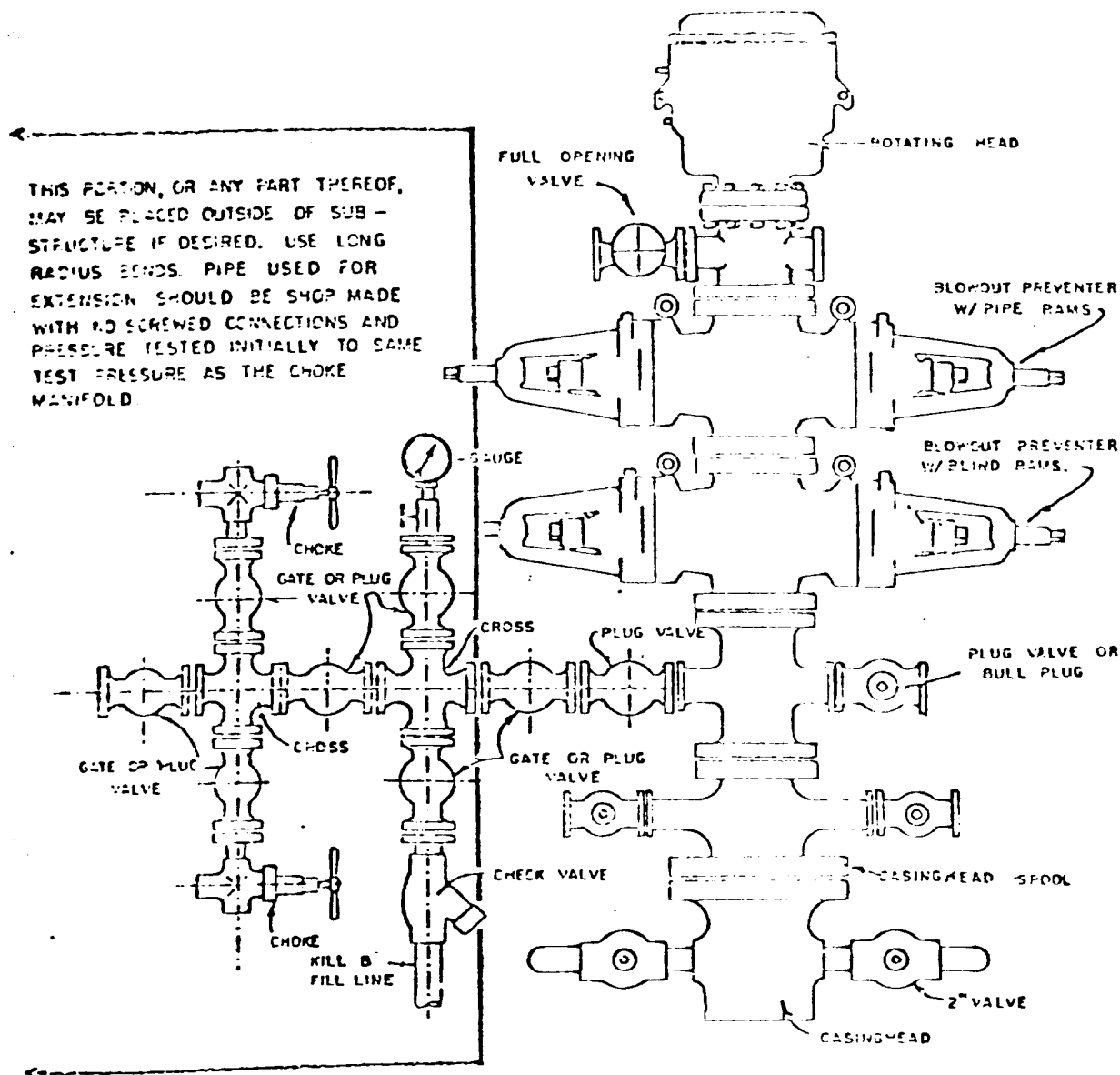
1770 Feet from the North line and 1130 feet from the West line of
Section 23, Township 26 North, Range 4 West, N.M.P.M., Rio Arriba
County, New Mexico.





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

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

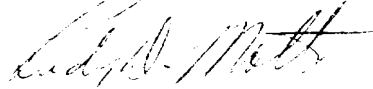


BLOWOUT PREVENTER HOOKUP

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