Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-039-21514

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 [ ] MULTIPLE ZONE [X]

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
A 825 feet from the North line and 825 feet from the East line.
At proposed prod. zone Same as above.

5. LEASE DESIGNATION AND SERIAL NO.
Contract No. 103

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla H

9. WELL NO.
9

10. FIELD AND POOL, OR WILDCAT
Tapacito P.C. or Blanco M.V. & Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 17, T-26N, R-4W N.M.P.M.

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 Miles Northwest of Ojito, New Mexico.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
825'/Property & Lease Line. 825'/Drlg.Unit Line.

16. NO. OF ACRES IN LEASE
2571.58

17. NO. OF ACRES ASSIGNED TO THIS WELL
E/320 + 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2410 Feet

19. PROPOSED DEPTH
8400 Ft.

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7093 Ft.

22. APPROX. DATE WORK WILL START*
November 1, 1977

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	400	275 cu. ft.
9-7/8"	7-5/8"	26.40	4000	1300 cu. ft.
6-3/4"	5-1/2"	15.50	3850 - 8400	600 cu. ft.

We propose to dually complete this well in the Tapacito Pictured Cliffs or Blanco Mesa Verde formations and the Basin Dakota formation. This well is on the flanks of a Geological Void and we will drill to the Dakota formation then dual the well in either the Basin Dakota and Blanco Mesaverde formation or Basin Dakota and Tapacito Pictured Cliffs formation which ever sand is present. A Packer will be set between the two formations to prevent commingling of production. Each production zone will be sand water fraced separately to stimulate production. Dual tubing strings will be run upon completion of the well stimulation. Stimulation ~~xxxx~~ will be accomplished by sand water frac of each zone.

RECEIVED
OCT 10 1977
OIL CON. COM.
DIST. 3

Gas is dedicated

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 Original Signed By Rudy D. Motto TITLE Area Superintendent DATE October 6, 1977

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No
SUPRON ENERGY CORPORATION	JICARILLA "H"	9

Unit Letter	Section	Township	Range	County
A	17	26 NORTH	4 WEST	RIO ARRIBA

Actual Footage Location of Well:
825 feet from the NORTH line and 825 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
7093	Mesaverde Pictured Cliffs	Blanco Tapacito	320 160 Acres

1. Outline the acerage 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?

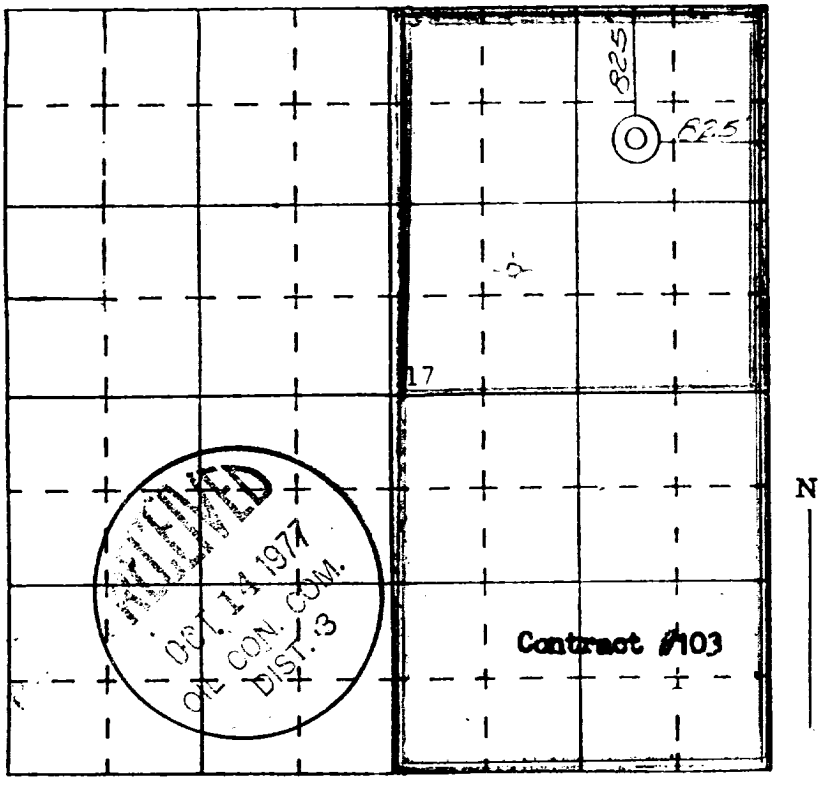
( ) Yes ( ) No If answer is "yes," type of consolidation .....

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

MESA VERDE

PICTURED CLIFFS



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

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

Name
Rudy D. Motto

Position
Area Superintendent

Company
SUPRON ENERGY

Date
October 6, 1977

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.

15 September, 1977
Date Surveyed

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	Lease	Well No
SUPRON ENERGY CORPORATION	JICARILLA "H"	9

Unit Letter	Section	Township	Range	County
A	17	26 NORTH	4 WEST	RIO ARRIBA

Actual Footage Location of Well:
825 feet from the NORTH line and 825 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Avereage:
7093	DAKOTA ~~Pictured Cliffs~~	Tapacito BASIN	320 - 160 Acres

1. Outline the acerage 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?

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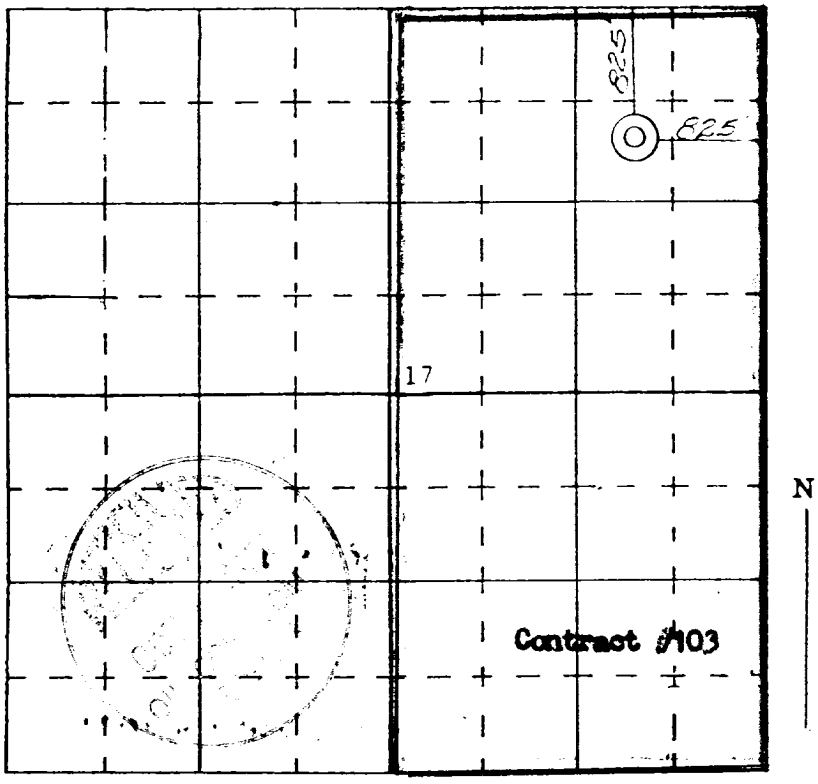
——— DAKOTA



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NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No
SUPRON ENERGY CORPORATION	JICARILLA "H"	9

Unit Letter	Section	Township	Range	County
A	17	26 NORTH	4 WEST	RIO ARRIBA

Actual Footage Location of Well:
825 feet from the NORTH line and 825 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Avereage:
7093	DAKOTA	BASIN	320 Acres

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

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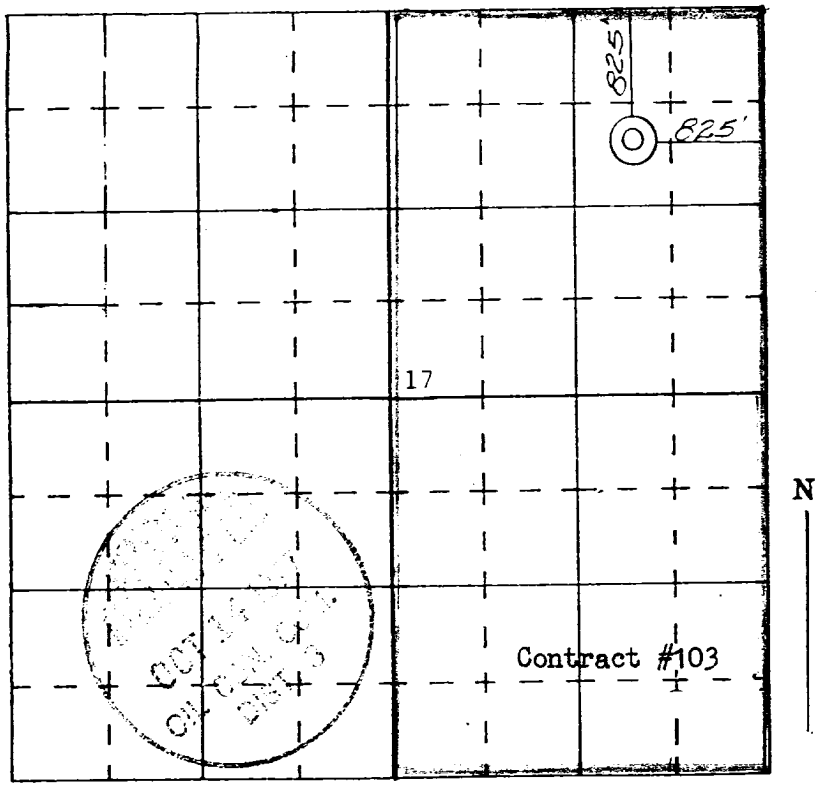
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

Dakota

Mesa Verde



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CERTIFICATION

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

Name: Rudy D. Motto

Position: Area Superintendent

Company: SUPRON ENERGY

Date: October 6, 1977

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.

15 September, 1977
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

James P Leese

1463
Certificate No.

October 6, 1977

United States Geological Survey
Box 1809
Durango, Colorado 81301

Attention: Jerry Long

Dear Sir:

Supron Energy Corporation proposes to drill the Jicarilla "H" No. 9 well located 825 feet from the North line and 825 feet from the East line of Section 17, 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 3,000 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, Sec. 23, Twp. 26 North, Rge. 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 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 facillitate production and maintenance of the well.
14. The soil is principally sand and sand rock with the principal vegetation being Pinon and Juniper.

[illegible]

United States Geological Survey
Box 1809
Durango, Colorado 81301

Attention: Jerry Long

Dear Sir:

Supron Energy Corporation proposes to drill the Jicarilla "D" No. [illegible] well located [illegible] feet from the North line and [illegible] feet from the East line of Section 17, 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 [illegible] 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 [illegible], Sec. [illegible], Twp. 26 North, Rge. 4 West, N.M.P.M., Rio Arriba County, New Mexico.
7. Waste will be disposed of by being placed in a reserve pit and buried upon 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 pits, burn pit and etc.
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 its natural state. The access road will be left so as to facilitate production and maintenance of the well.
14. The soil is principally sand and some rock with the principal vegetation being Pinon and Juniper.

JICARILLA "H" NO. 9

1. The geologic name of the surface formation is, "Wasatch".

2. The estimated tops of the important geologic markers are:

A.	Base of the Ojo Alamo	3429 DF
B.	Pictured Cliffs	3754 DF
C.	Mesaverde	5400 DF
D.	Dakota	7930 DF

3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:

A.	Base of the Ojo Alamo	3429 DF	Water
B.	Pictured Cliffs	3754 DF	Gas
C.	Mesaverde	5400 DF	Gas
D.	Dakota	7930 DF	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 feet to 400 feet - Natural mud
   B. From 400 feet to 4000 feet - 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 feet to 8400 feet 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 full opening valve on the floor 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 is no abnormal pressures, temperatures or hydrogen sulfide problems expected in this highly developed area.

10. The anticipated starting date for this well is November 1, 1977.

ATTACHMENT NO. [illegible]

1. The geologic name of the surface formation is, [illegible]

2. The estimated tops of the important geologic markers are:

   a. Base of the Ojo Alamo 2674 ft
   b. Pictured Cliffs 3754 ft
   c. Mesaverde 5401 ft
   d. Dakota 7930 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 the Ojo Alamo 2674 ft Water
   b. Pictured Cliffs 3754 ft Gas
   c. Mesaverde 5400 ft Gas
   d. Dakota 7930 ft Gas

4. The casing program is shown on Form No. 9 - 331C and all casing will be new.

5. The lessee's pressure control equipment schematics are attached along with minimum specifications, testing procedures and frequency.

6. The type, estimated volumes and characteristics of the circulating medium are as follows:

   a. From 0 feet to 400 feet - Natural mud.
   b. From 400 feet to 4000 feet - Permaloid non-dispersed mud containing 180 sx of gel, 150 sx of permaloid, 15 sx of [illegible], [illegible], 20 sx of soda ash and 40 sx of [illegible]. The weight will be maintained between 9.2 and 9.4.
   c. From 4000 feet to 8400 feet the hole will be drilled with air.

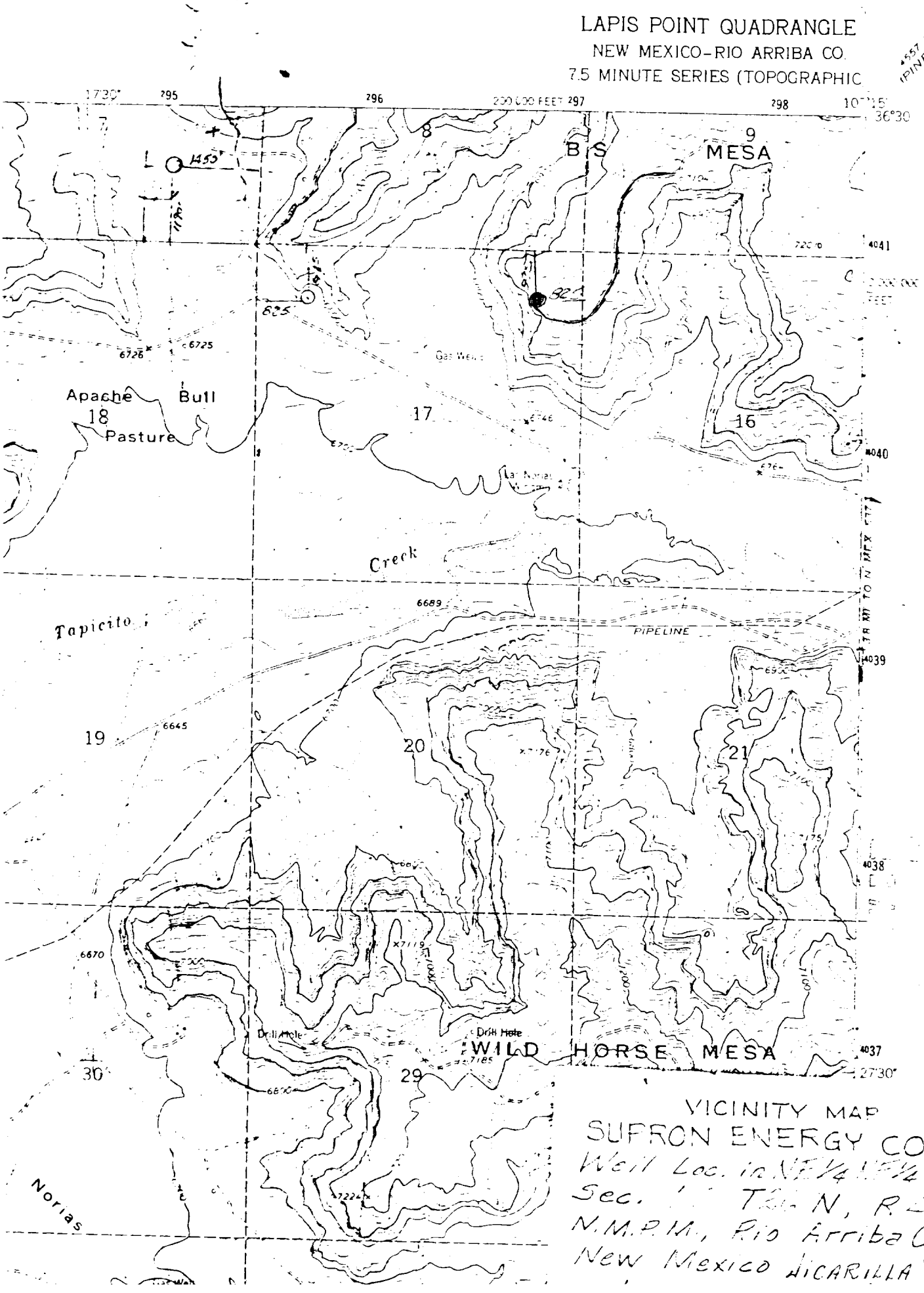
7. The auxiliary equipment to be used will be floats at the bit and a sub with a full opening valve on the floor to be stabbed into the drill pipe when the kelly is not in the string.

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. I.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 well is [illegible], 1979.



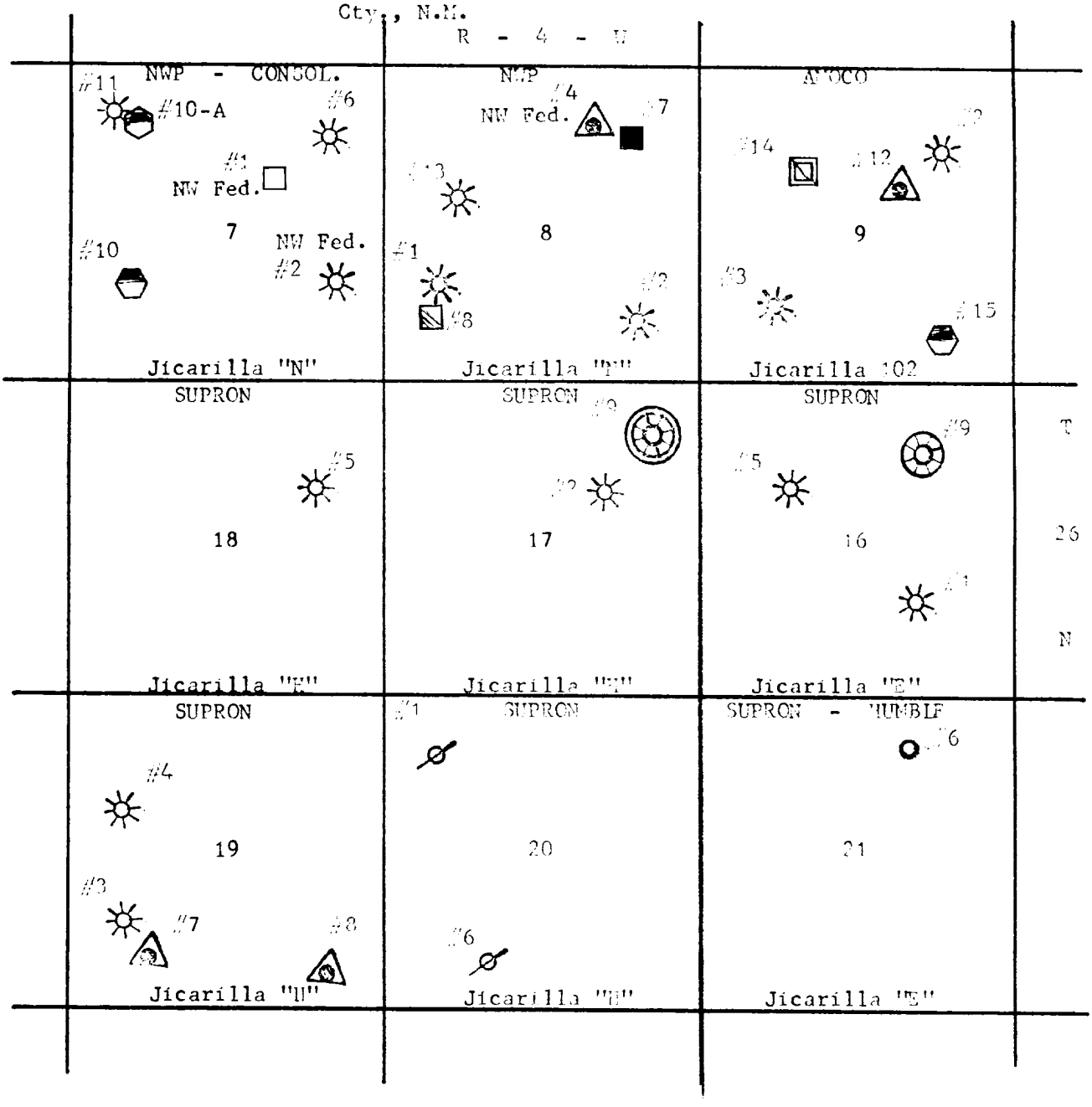
VICINITY MAP
SUPRON ENERGY CORP.
Well Loc. in NE¼ NE¼ of
Sec. ' Tw. N, R. W,
N.M.P.M., Rio Arriba County,
New Mexico JICARILLA "H" #9

OFFSET OPERATOR'S PLAT

SUPRON ENERGY CORPORATION

WELL: JICARILLA "N" NO. 9

LOCATION: 825 Feet from the North line and 825 feet from the East Line, Section 17, Township 26 North, Range 4 West, Rio Arriba Cty., N.M.



Proposed **Dakota - Mesaverde or Pictured Cliffs Dual Completion**

Pictured Cliffs

Dakota - Pictured Cliffs Dual

Gallup - Dakota Dual

Gallup

Mesaverde

Gallup - Mesaverde Dual

Mesaverde - Pictured Cliffs

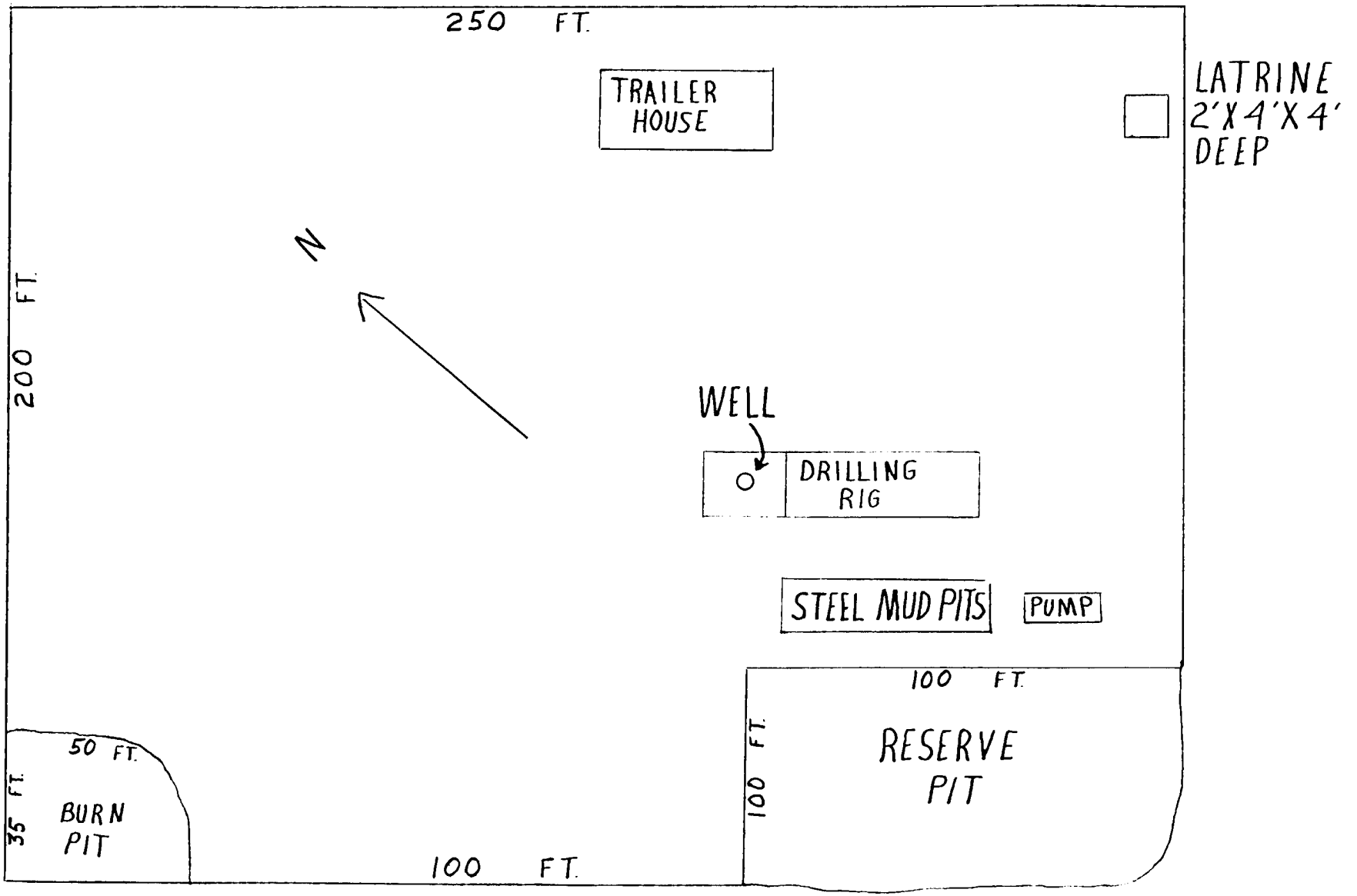
Abandoned

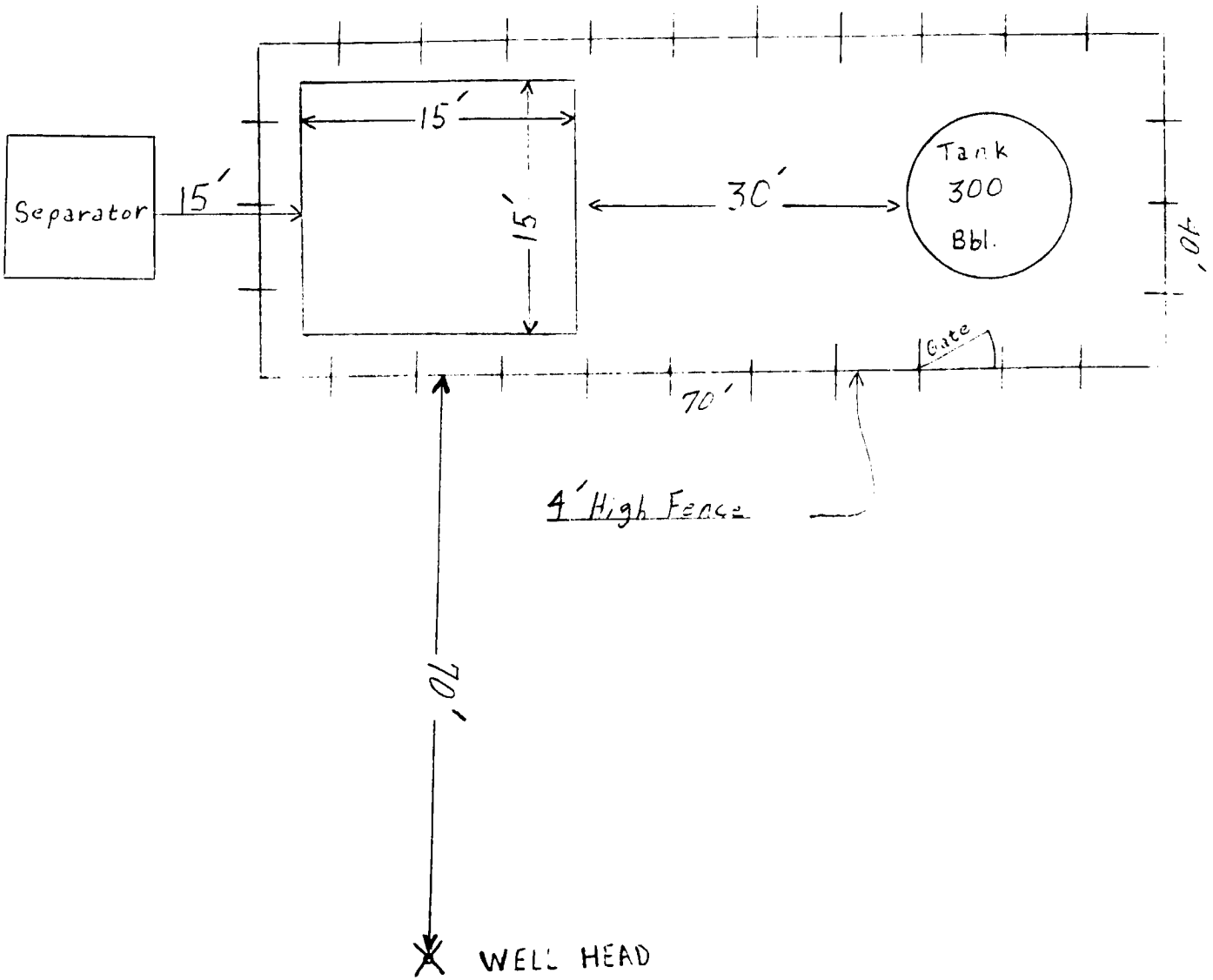
Graneros - Dakota

SUPRON ENERGY CORPORATION

JICARILLA "H" NO. 9

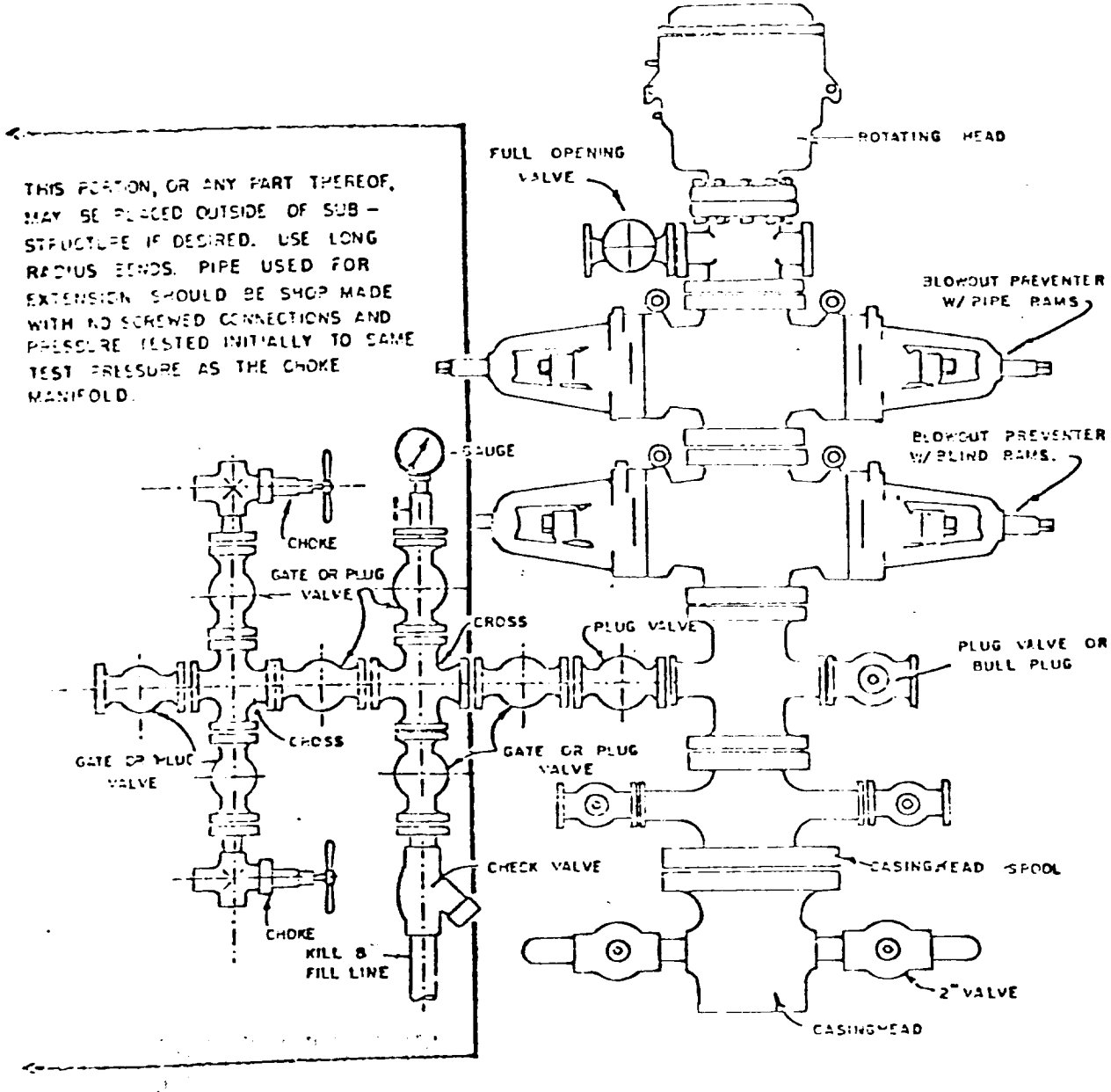
825 Feet from the North line and 825 feet from the East line,
Section 17, Township 17 North, Range 4 West, Rio Arriba County,
New Mexico.




Separator
15'
15'
15'
30'
Tank
300
Bbl.
40'
Gate
70'
4' High Fence
70'
WELL HEAD

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.



BLOWOUT PREVENTER HOOKUP