Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-24367

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: SF 078511

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [X]

8. FARM OR LEASE NAME: Quinn

2. NAME OF OPERATOR: SUPRON ENERGY CORPORATION

9. WELL NO.: 5-A

3. ADDRESS OF OPERATOR: P.O. Box 808, Farmington, New Mexico 87401

10. FIELD AND POOL, OR WILDCAT: Blanco Mesaverde-Basin Dako

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1650 ft./North line and 1000 ft./West line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 18, T-31N, R-8W, N.M.P

At proposed prod. zone: Same as above.

12. COUNTY OR PARISH: San Juan — 13. STATE: New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 9 miles northeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1000 ft. / 1000 ft.

16. NO. OF ACRES IN LEASE: 2197.12

17. NO. OF ACRES ASSIGNED TO THIS WELL: * 330.16

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 2200 ft.

19. PROPOSED DEPTH: 8075

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6458 Gr.

22. APPROX. DATE WORK WILL START*: June 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	10-3/4"	32.75	250	175 sx
9-7/8"	7-5/8"	26.40	3635	325 sx
6-3/4"	5-1/2"	15.50	3485' to 8075'	500 sx

We will drill the surface hole to ±250 ft., run csg. and cement bringing the cement back to surface. Pressure test the surface csg. Drill intermediate hole to T.D. of ±3635 ft. using starch base mud as the circulating medium. Run 7-5/8" csg. and cement with approx. 325 sx of cement. Cement top estimated to be at 1900 ft. Pressure test the intermediate csg. Drill 6-3/4" hole to T.D. of ±8075 ft. using gas as the circulating medium. Run liner with liner hanger at approximately 3485' to T.D. Cement with approx. 500 sx of cement. Perforate the Dakota zone and stimulate with sand water frac. Set a bridge plug above the Dakota zone. Perforate the Mesaverde zone. Stimulate with a sand water frac. Clean up the Mesaverde zone. Drill the bridge plug. Clean up the Dakota zone. Run tubing with a production pkr. and set above the Dakota formation. Run another tbg. string and set in the Mesaverde formation. Nipple down the wellhead. Conduct Pkr. Leakage test to insure separation of zones across the pkr.

* SW Sec 7 & W/2 Sec 18 — R-392

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 Rudy D. Motto — TITLE Area Superintendent — DATE May 1, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

RECEIVED
MAY 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

RECEIVED
JUN 3 1980
OIL CON. COM.
DIST. 3

APPROVED AS AMENDED
JUL 1980
JAMES F. SIMS
DISTRICT ENGINEER

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

Operator: SUPRON ENERGY CORPORATION		Lease: QUINN		Well No.: 5-A
Unit Letter: E	Section: 18	Township: 31 NORTH	Range: 8 WEST	County: SAN JUAN
Actual Footage Location of Well: 1650 feet from the NORTH line and 1000 feet from the WEST line				
Ground Level Elev.: 6458	Producing Formation: MESA VERDE-DAKOTA	Pool: BLANCO MV-BASIN DAK		Dedicated Acreage: W/2 330.16 Acres

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

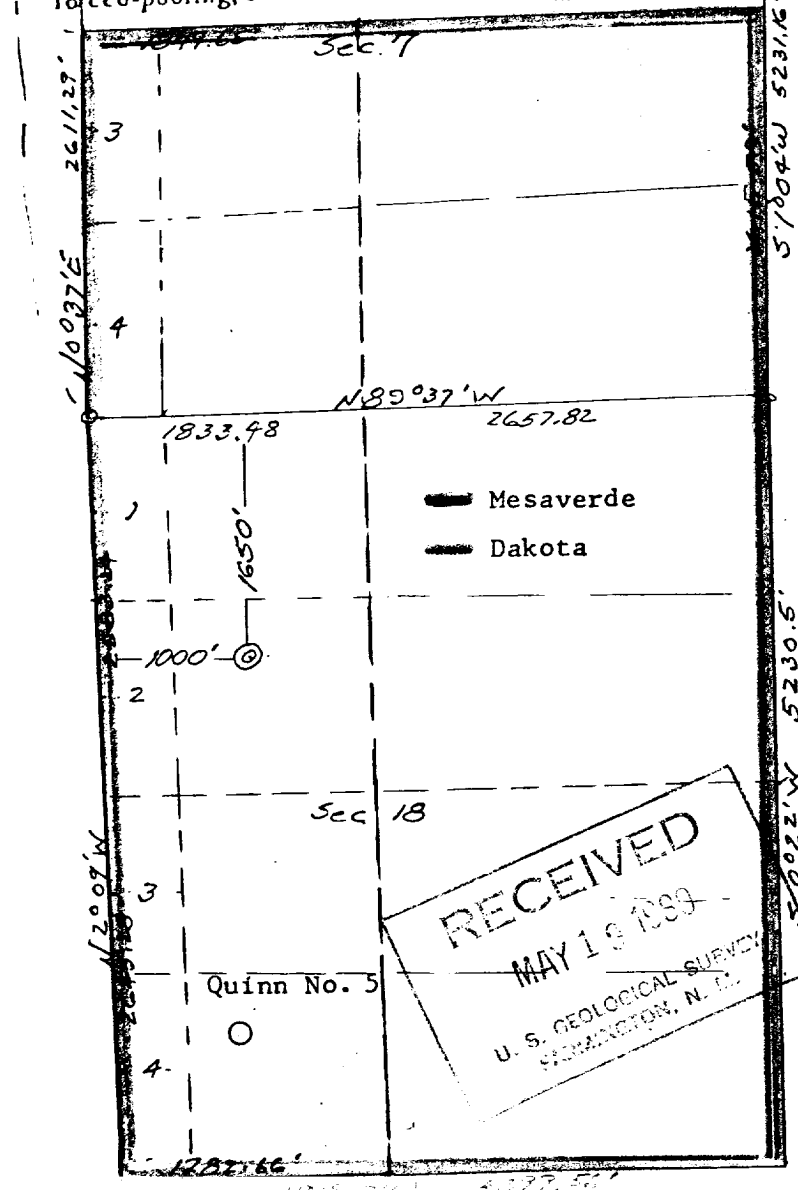
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). S 89°50'E 4530.9'

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.



Scale 4"=1 Mile

Sec. 18 Lots No. 1,2,3,4 and the E/2 of the W/2 and Sec. 7 Lots 3,4, and the E/2 of the SW/4 T-31N, R-8W

RECEIVED
JUN 3 1980
OIL CON. COM.
DIST. 3

RECEIVED
MAY 19 1980
U. S. GEOLOGICAL SURVEY
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 Corporation

Date: May 16, 1980

I hereby certify that the 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.

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR
STATE OF NEW MEXICO
NO. 1463
JAMES P. LEESE

Date Surveyed: March 4, 1980

Registered Professional Engineer and/or Land Surveyor

James P. Leese

Certificate No. 1463

SUPRON ENERGY CORPORATION

QUINN NO. 5-A

NW/4 Sec. 18, T-31N, R-8W, N.M.P.M.
San Juan County, New Mexico

The following attachments are included with this application:

1. Topographical may showing the proposed location and access road.

2. There will be 3500 feet access road 20 feet wide approching the well from the North East. The road will follow the natural contours of the land and will have drainage facilities installed to meet requirements of NTL-6. No extra surface material will be used.

3. Map showing existing producing facilities and access roads.

4. Location of surface equipment if required.

5. Drilling and completion water will be obtained from the San Juan River.

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.

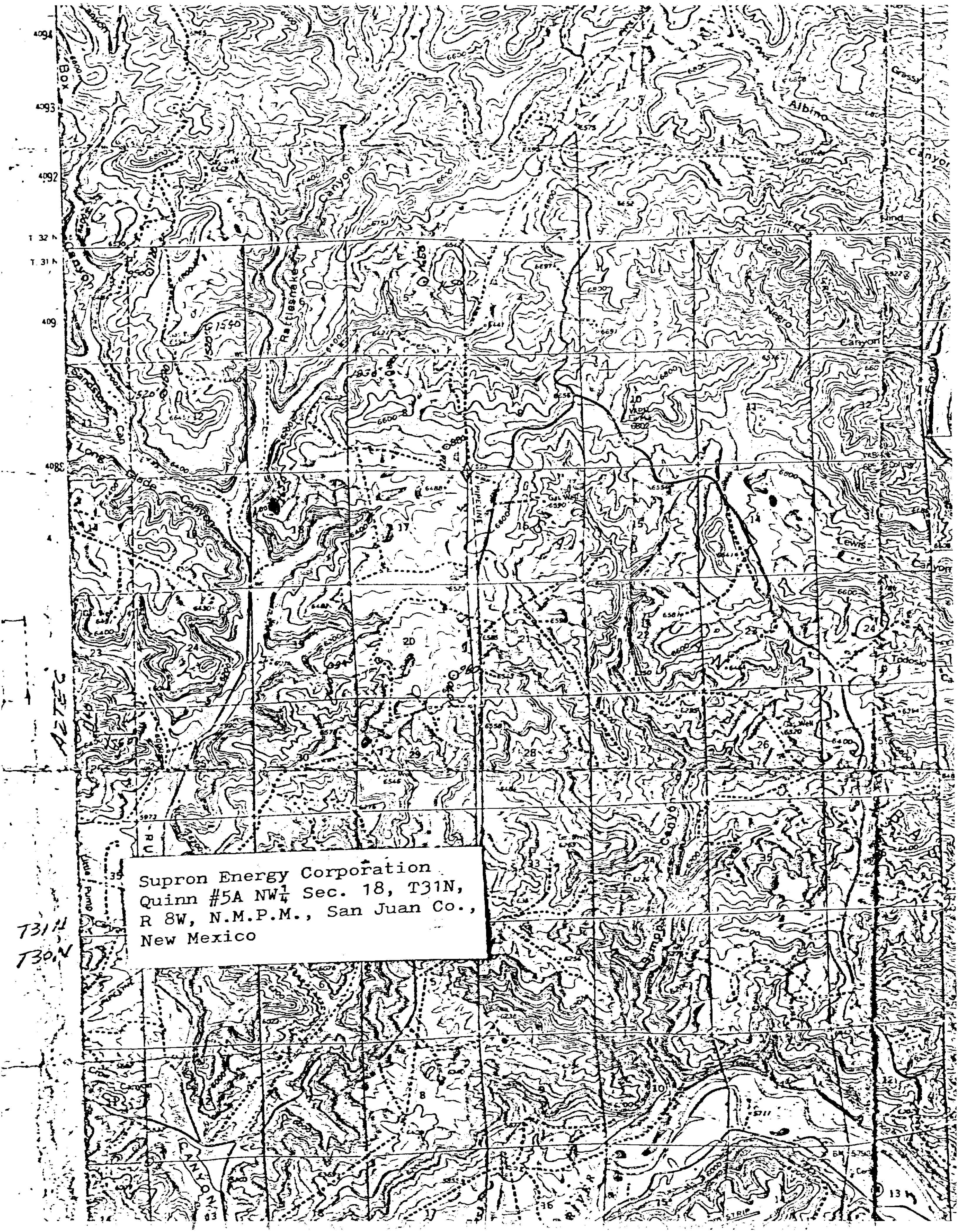
9. There will be no air strip.

10. A plat is attached showing the location of the rig, mud tanks, reserve pit, burn pit and 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 be filled and restored to its natural state.

13. The soil is sandy loam and clay, the principal vegeatation is juniper, pinon, oak, bitterbrush, mountain mahogany, sagebrush, galleta, narrow leaf yucca, snakeweed and rabbit brush.

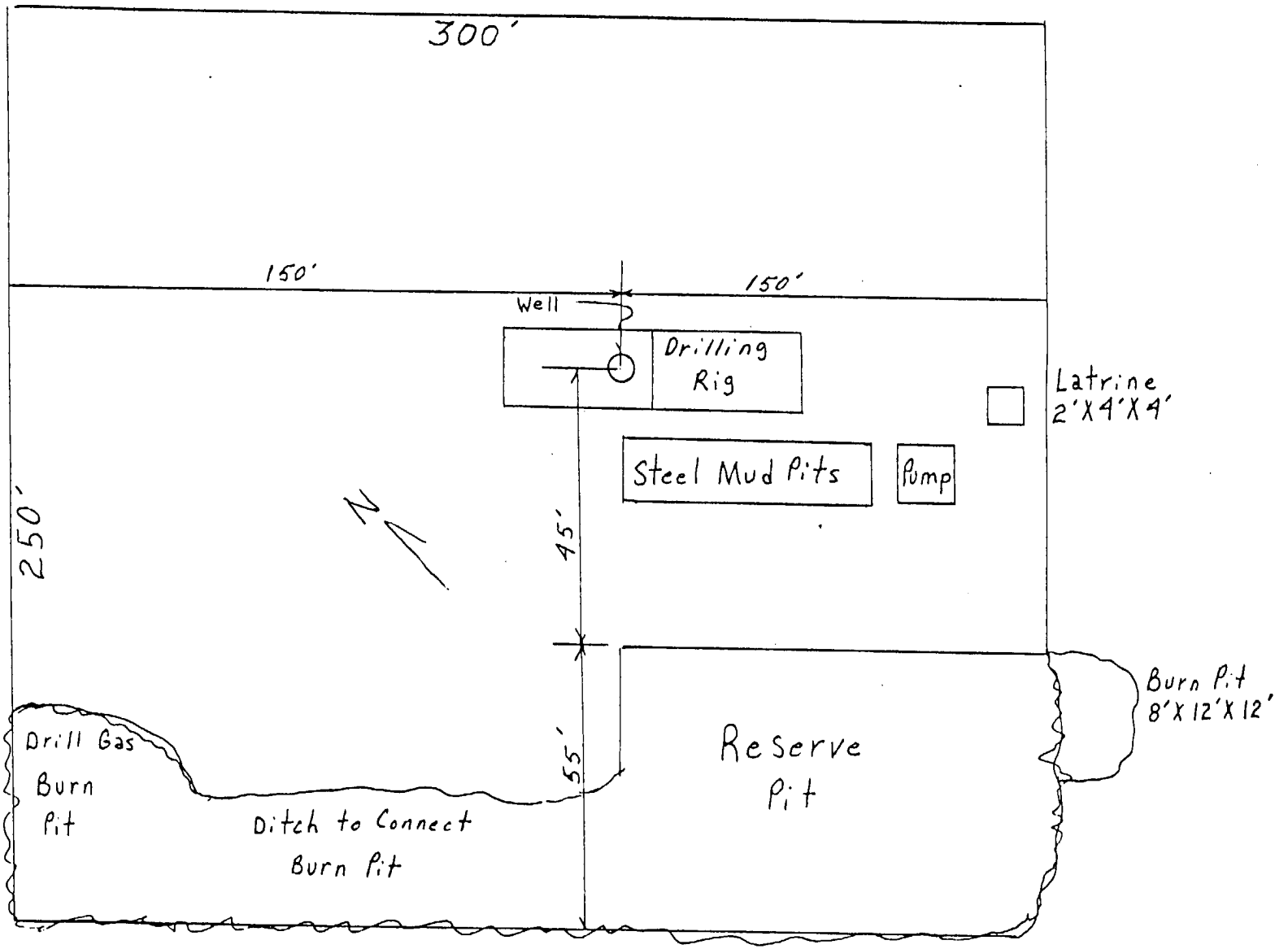

Supron Energy Corporation
Quinn #5A NW¼ Sec. 18, T31N,
R 8W, N.M.P.M., San Juan Co.,
New Mexico
T31N
T30N
AZTEC
T. 32 N
T. 31 N
Box
Albino
Canyon
Negro
Canyon
Long Glade Canyon
Sandstone Can
Rattlesnake
Lewis
Canyon
Todosio
CANYON
RIVER
STRIP
Gas Well

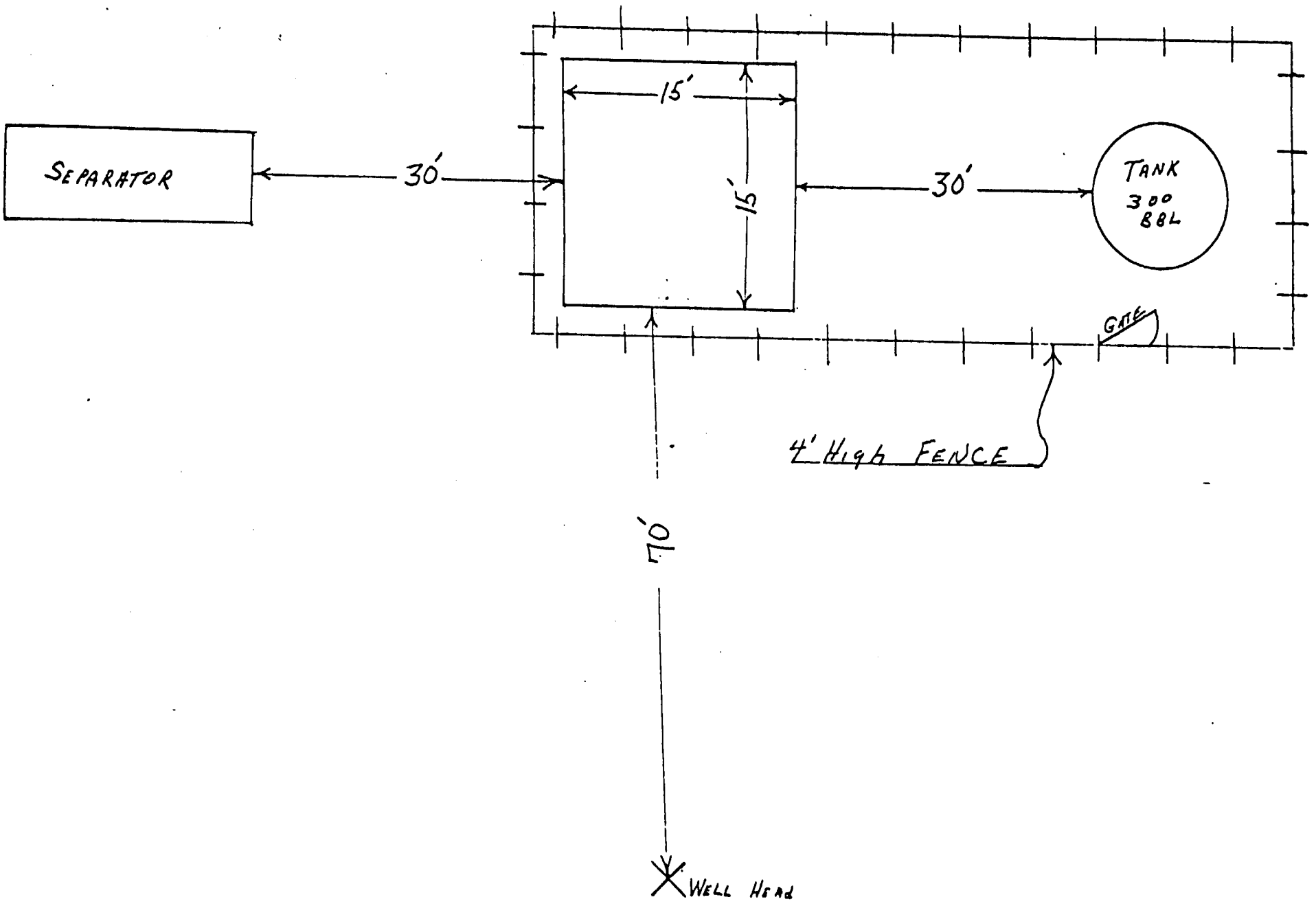
LOCATION AND EQUIPMENT LAYOUT

SUPRON ENERGY CORPORATION

Quinn No. 5-A

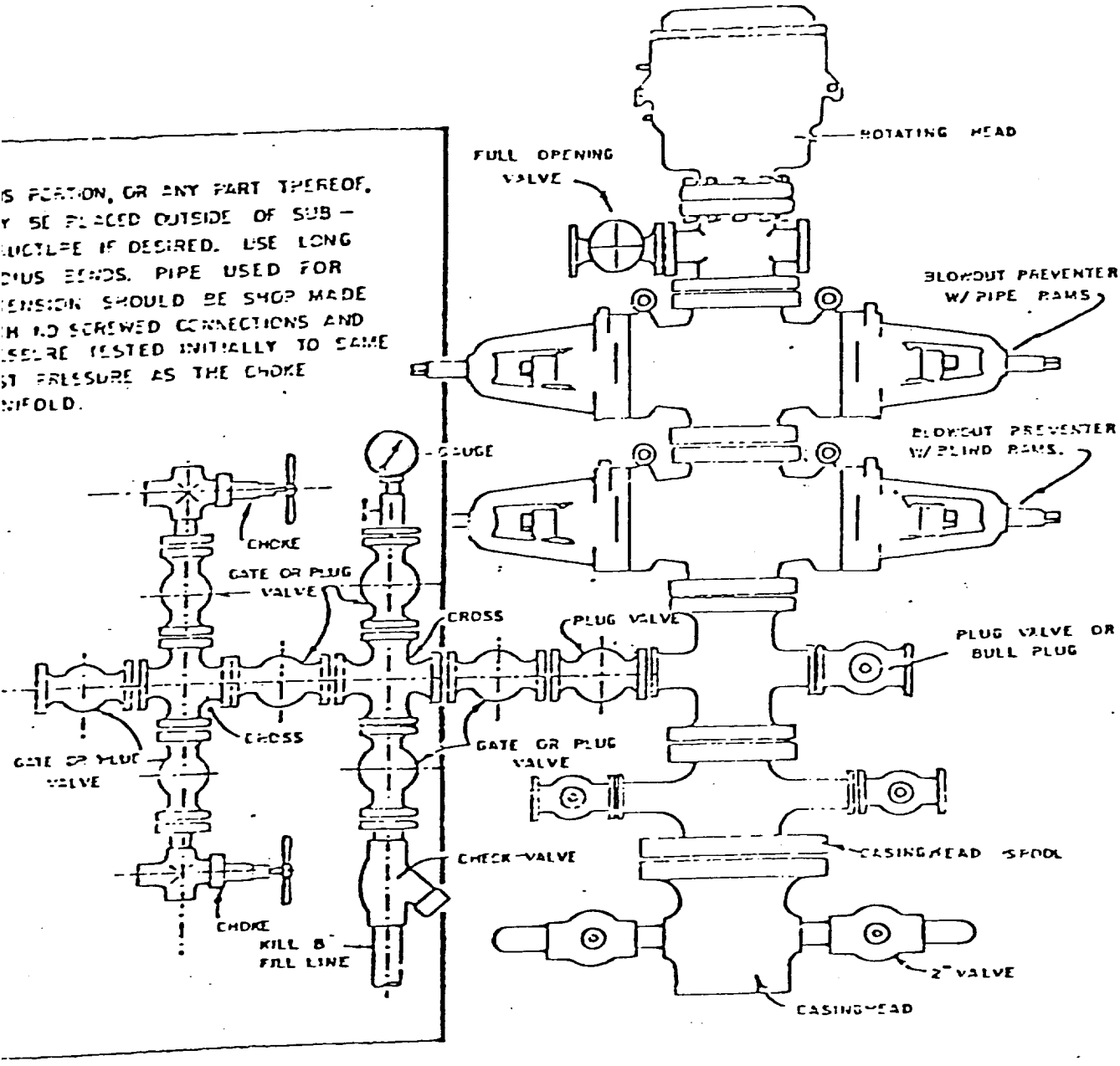
1650 feet from the North line and 1000 feet from the West line of Section 18, Township 31 North, Range 8 West, N.M.P.M., San Juan County, New Mexico




SEPARATOR
30'
15'
15'
30'
TANK
300
BBL
GATE
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, 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 preformed 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

Rudy D. Motto
Area Superintendent
Phone: 325-3587

SUPRON ENERGY CORPORATION

QUINN NO. 5-A

NW/4 Sec. 18, T-31N, R-8W, N.M.P.M.
San Juan County, New Mexico

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

2. The estimated tops of important Geologic markers are:

A.	Base of the Ojo Alamo	2215 Ft.
B.	Kirtland	2215 Ft.
C.	Fruitland	2970 Ft.
D.	Pictured Cliffs	3335 Ft.
E.	Chacra	4140 Ft.
F.	Cliff House	5210 Ft.
G.	Point Lookout	5605 Ft.
H.	Gallup	6720 Ft.
I.	Greenhorn	6750 Ft.
J.	Dakota	7775 Ft.

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

A.	Ojo Alamo	2215 Ft.	- - - -	Water
B.	Kirtland	2215 Ft.	- - - -	Water
C.	Fruitland	2970 Ft.	- - - -	Water
D.	Pictured Cliffs	3335 Ft.	- - - -	Water
E.	Chacra	4140 Ft.	- - - -	Water
F.	Cliff House	5210 Ft.	- - - -	Gas
G.	Point Lookout	5605 Ft.	- - - -	Gas
H.	Gallup	6720 Ft.	- - - -	Dry
I.	Greenhorn	7650 Ft.	- - - -	Shale
J.	Dakota	7775 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 to 250 Ft.	Natural mud.
B.	250 to 3685 Ft.	Permaloid non dispersed mud containing approx. 90 sx. Gel, 35 sx. of permaloid and 10 sx. of CMC.
C.	3685 to 8150 Ft.	Natural Gas

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 June 15, 1980.