

30-005-61351

## 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

STEVENS OPERATING CORP. (phone 505-622-7273)

## 3. ADDRESS OF OPERATOR

P. O. Box 2203, Roswell, NM 88201

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

At surface 1980' FNL &amp; 1980' FWL, Sec. 28, T7S, R26E

At proposed prod. zone

same as above

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

23.7 air miles northeast of Roswell, New Mexico

## 10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'

## 16. NO. OF ACRES IN LEASE

1160

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 350'

## 19. PROPOSED DEPTH

4300 Abo

## 17. NO. OF ACRES ASSIGNED TO THIS WELL

160

## 20. ROTARY OR CABLE TOOL

Rotary

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

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

January 17, 1982

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24.0#	900'	Sufficient to circulate
7 7/8"	4 1/2"	10.5#	4300'	250 sacks

After setting and cementing production string, pay zones will be perforated and stimulated as needed for production.

Attached are:

1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

Gas is not dedicated.

DEC 24 1981

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

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

Pat Thompson

TITLE

Production Clerk

DATE

12/24/81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

(Orig. Sgd.) ROGER A. CHAPMAN

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

JAN 8 1982

FOR

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-101  
Supersedes O-128  
Effective 1-1-81

All distances must be from the outer boundaries of the Section

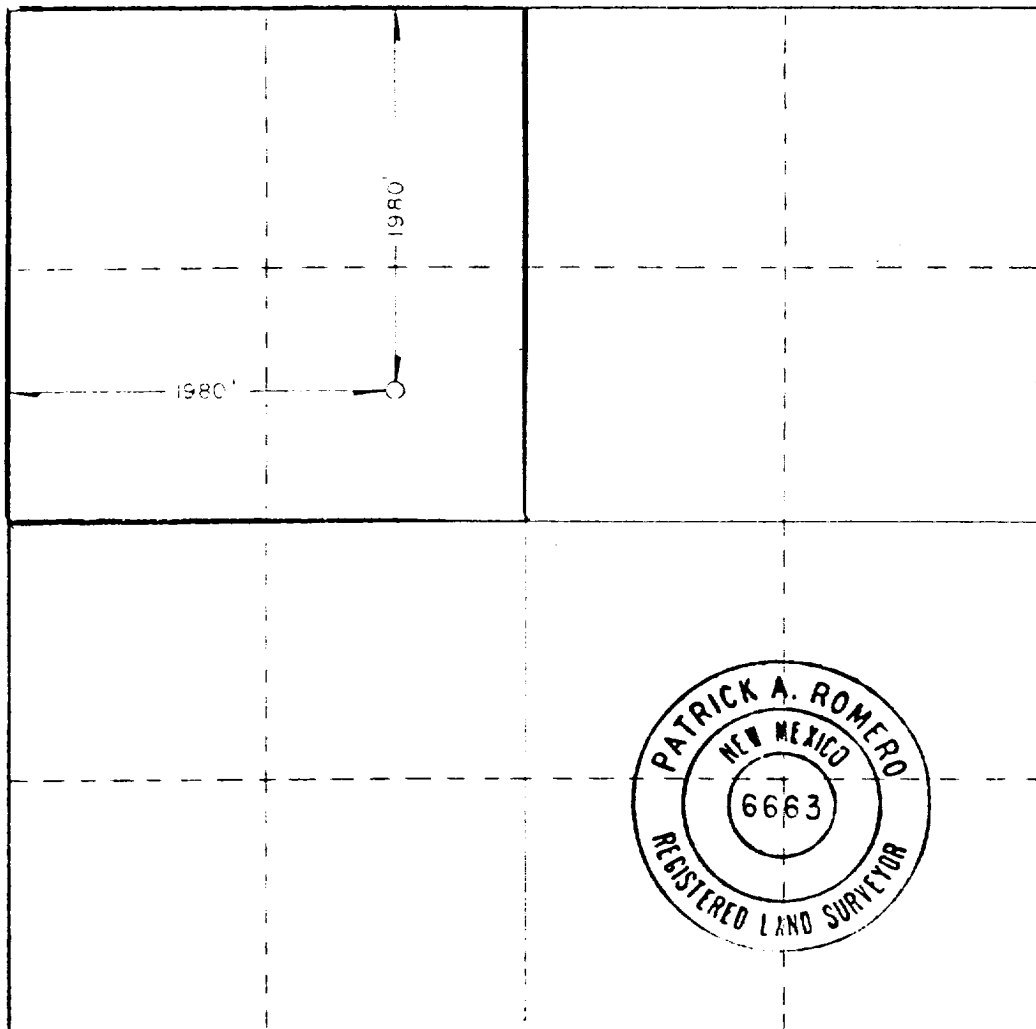
Stevens Operating Company			Sun Federal		Well No. 3
Section	28	Township	7 South	Range	26 East
County	Chaves				
Well Location of Well:					
1980	feet from the	north	line and	1980	feet from the
3706.2'		Abo		Wildcat	
Dedicated Acreage:					160

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 Commission.



CERTIFICATION

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

*Ronald J. Eidson*

President

Stevens Operating Corp.

12/24/81

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

12-21-81

Registered Professional Engineer and Registered Surveyor

*Patrick A. Romero*

Certificate No. JOHN W. WEST 678  
PATRICK A. ROMERO 6863  
Ronald J. Eidson 3239



SUPPLEMENTAL DRILLING DATA

STEVENS OPERATING CORPORATION  
WELL # 3 SUN FEDERAL  
1980' FWL & 1980' FNL, SEC. 28, T7S, R26E  
CHAVES COUNTY, NEW MEXICO

1. SURFACE INFORMATION: Permian (Artesia Group).
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

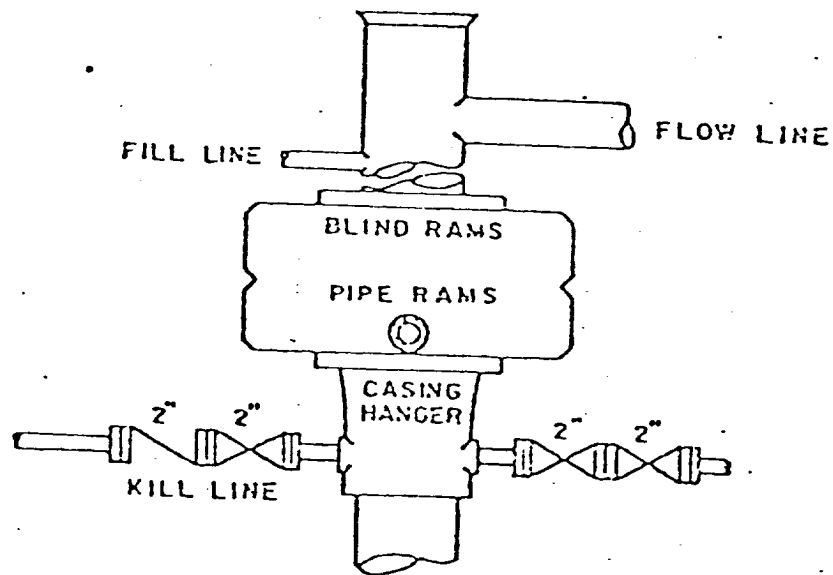
Queen	150'	Glorietta	1800'
San Andres	600'	Abo	3850'
3. ANTICIPATED POROSITY ZONES:

Water	60'
Oil	1100'
Gas	3950'
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
8 5/8"	0 - 900'	24.0#	K-55	STC	New
4 1/2"	0 - 4300'	9.5#	K-55	STC	New
5. SURFACE CONTROL EQUIPMENT: A double ram-type preventer (900 series). A sketch of BOP stack is attached.
6. CIRCULATING MEDIUM:

0 - 900'	Fresh water mud with gel added if needed for viscosity
900 - TD	Salt water mud, conditioned as necessary for control of viscosity and water loss.
7. AUXILIARY EQUIPMENT: Drill string safety valve.
8. TESTING, LOGGING AND CORING PROGRAMS:

DST's:	As warranted.
Coring:	None Planned.
Logging:	A compensated Neutron/Formation Density Log w/Gamma Ray and a Dual Laterolog/Micro-Spherically Focused Log.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED DATES: It is planned that drilling operations will commence about January 17, 1982. Duration of drilling and completion operations should be 20 to 60 days.



DUAL RAM-TYPE PREVENTER

900 Series

Blowout Preventer Sketch  
 Stevens Operating Corporation  
 Well #3 Sun Federal  
 1980' FWL & 1980 FNL, Sec. 28, T7S, R26E

## ROAD LOG TO PROPOSED DRILLSITE

STARTING POINT is 16 miles northeast of Roswell, New Mexico on US-70 at Mile Post 352.5. This point is at the old Acme School House Ruin which is 14.12 miles east of US-285.

- 0.00 Turn left (north) through the cattleguard and proceed on county road in a northerly direction for a distance of 6.25 miles to the new lease road.
- 6.23 Turn left (west) on lease road and continue in an westerly direction .20 miles to the southeast corner of proposed well pad.
- 6.43 Drillsite (Well #3 Sun Federal).

## THIRTEEN POINT PROGRAM

- 1. EXISTING ROADS: Existing roads, which lead to the proposed drillsite, are shown on Exhibits "A" & "B".
- 2. PROPOSED NEW ROAD: Proposed new access road will be .20 mile in length. The proposed route, which will originate at mileage 6.23 on the road log and terminate at the southeast corner of the proposed well pad, is shown on Exhibit "B". The proposed location of this new road has been staked and flagged.
  - A. Width: 15 feet with 20 feet R-O-W.
  - B. Surfacing Material: Only material from the roadway will be used for surfacing the new road.
  - C. Road Design: Road construction will consist of blading the proposed roadway and leaving a slight crown down the middle.
  - D. Turnouts: None necessary.
  - E. Culverts: None necessary.
  - F. Gates, Cattleguards: None necessary.
- 3. LOCATION OF EXISTING WELLS:
  - A. Existing wells in the vicinity of the proposed drillsite are shown on Exhibit "C".
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
  - A. Operator has oil production facilities located on the old well pad.
  - B. Operator has a tank and separator on the Sun Federal #2 location (660' FSL & 660' FEL, Sec. 29,T7S,R26E).
  - C. If the proposed well is productive, production and storage facilities will be located on the new well pad.

5. LOCATION AND TYPE OF WATER SUPPLY:
  - A. It is not planned to drill a water supply well. Water for leasehold operations will be purchased from the nearest commercial source.
6. SOURCE OF CONSTRUCTION MATERIALS:
  - A. Material-in-place will be used for construction of the road and well pad.
7. METHODS OF HANDLING WASTE DISPOSAL:
  - A. Drill cuttings will be disposed of in the drilling pits.
  - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
  - C. Water produced during tests will be disposed of in the drilling pits.
  - D. Oil produced during tests will be produced into temporary test tanks.
  - E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
  - F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing each drilling and/or completion operation.
8. AUXILLARY FACILITIES: None anticipated.
9. WELLSITE LAYOUT:
  - A. The wellsite has been surveyed and a 400' x 400' area has been staked and flagged.
  - B. The dimensions and relative location of the drill pad, mud pit, and trash pit with respect to the well bore are shown on Exhibit "D".
  - C. The well pad is nearly level and will hardly require any cut or fill.
  - D. The well pad will not be surfaced with any foreign material but will be constructed from material-in-place.
10. PLANS FOR RESTORATION OF THE SURFACE:
  - A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.

- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: The terrain of the drillsite area is nearly level. Regional slope is to the west toward the Pecos River.
- B. Soil: Top soil is gypsy loam.
- C. Flora & Fauna: The vicinity surrounding the drillsite is semi-arid desert rangeland. Vegetative cover is very sparse. Flora consists primarily of broomweed and range grasses interspersed with mesquite, and other desert plants. The only wildlife observed were lizards and rabbits; however, fauna for this type of habitat also includes snakes, rodents, skunks, coyotes, dove, quail and other small birds.
- D. Ponds & Streams: None. Pecos River is .56 miles to the west.
- E. Residences & Other Structures: Nearest occupied dwelling is .97 miles to the northwest. Nearest water well is .97 miles to the northwest.
- F. Archaeological, Historical & Other Cultural Sites: An archaeological reconnaissance of the well pad and new road area was made by New Mexico Archaeological Services, (NMAS) on 12-10-81 and no significant artifacts were observed.
- G. Land Use: Grazing and occasional hunting.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan:

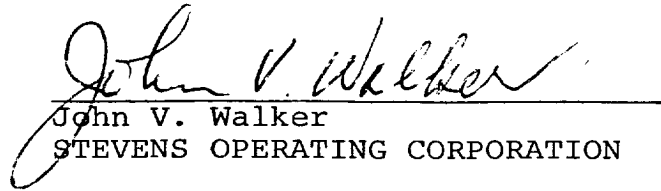
Pat Thompson  
Production Clerk  
118 W. First  
Roswell, New Mexico 88201  
Office phone 622-7273  
Home phone 624-0111

13. CERTIFICATION:

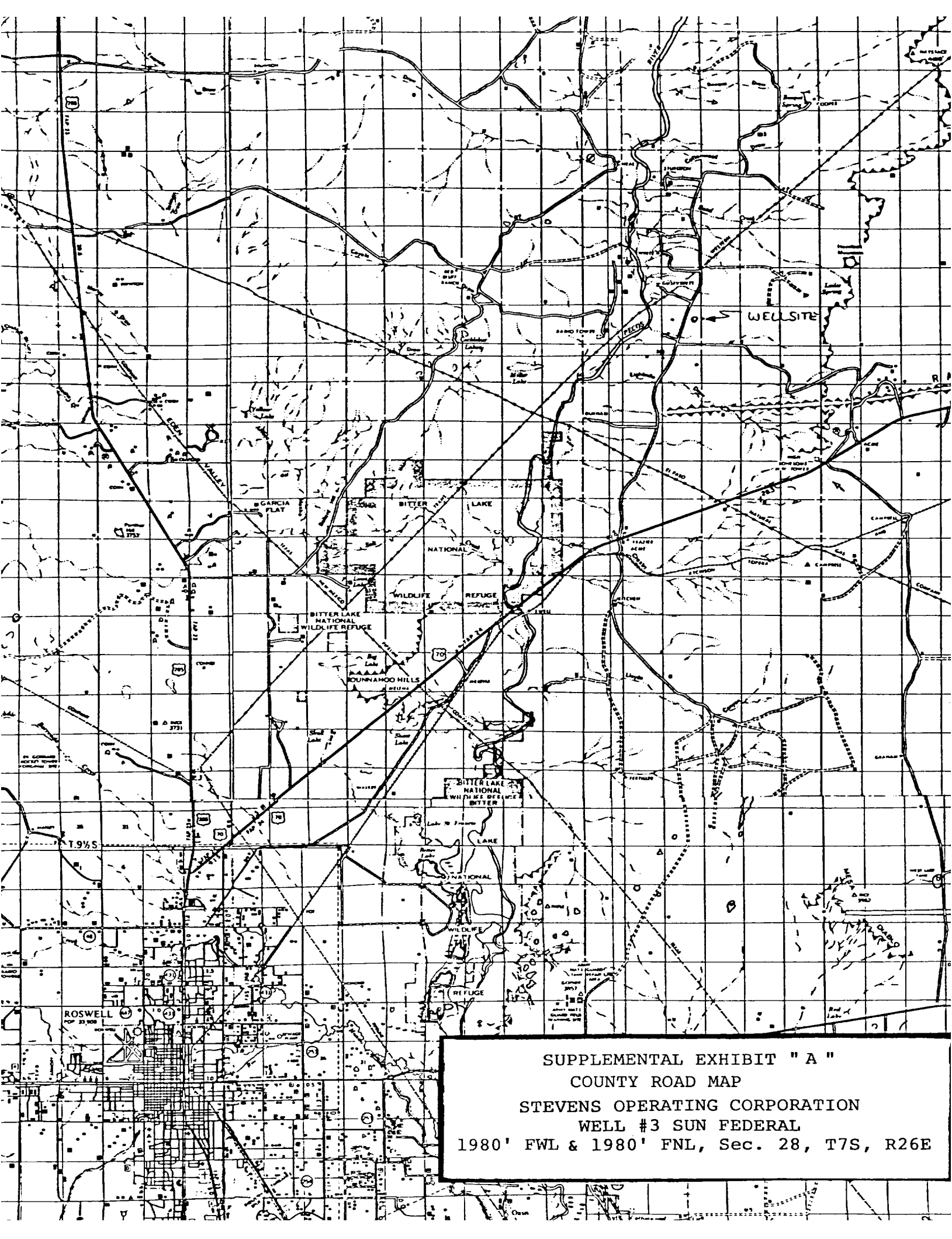
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge

true and correct; and, that the work associated with the operations proposed herein will be performed by STEVENS OPERATING CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

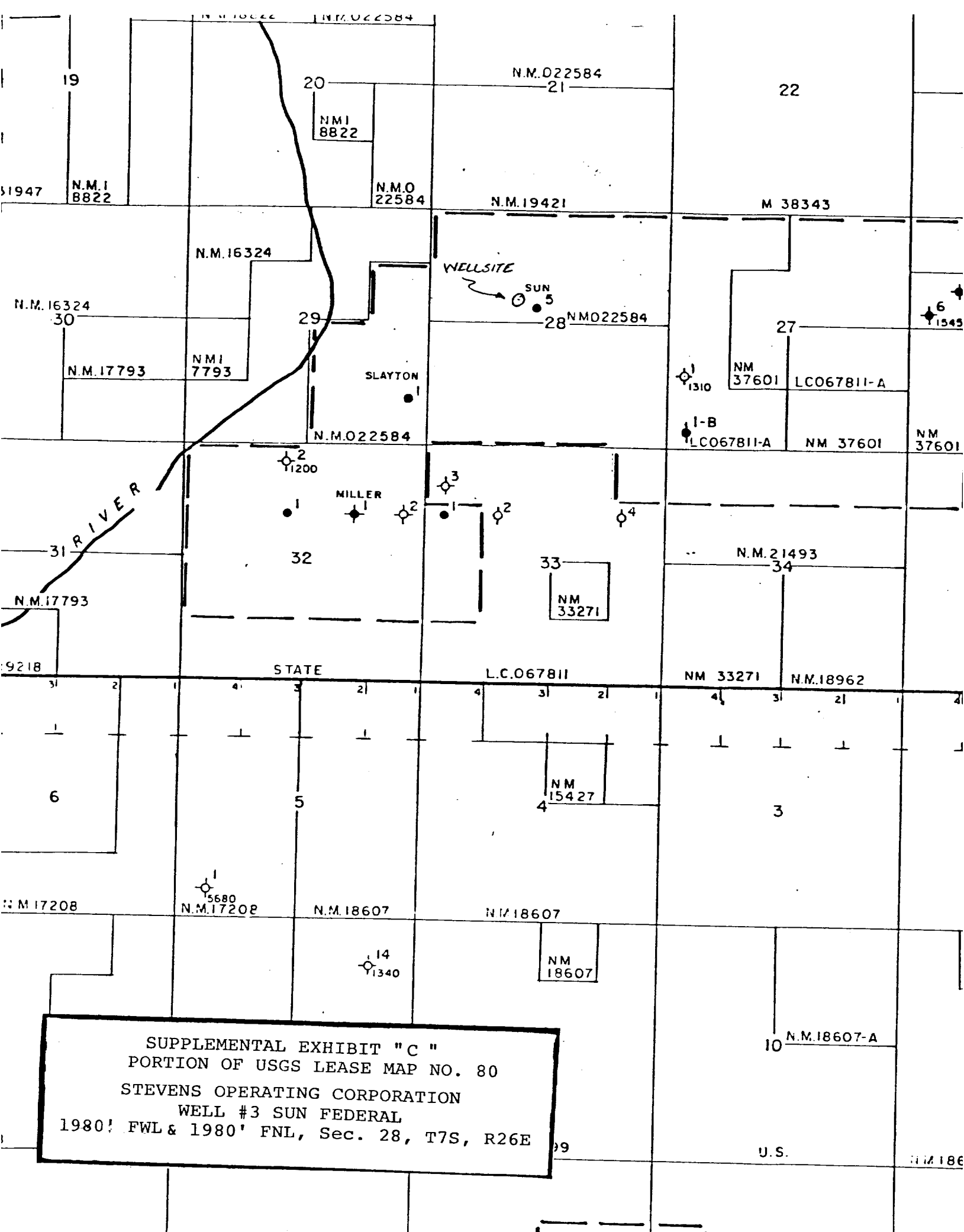
December 24, 1981  
Date

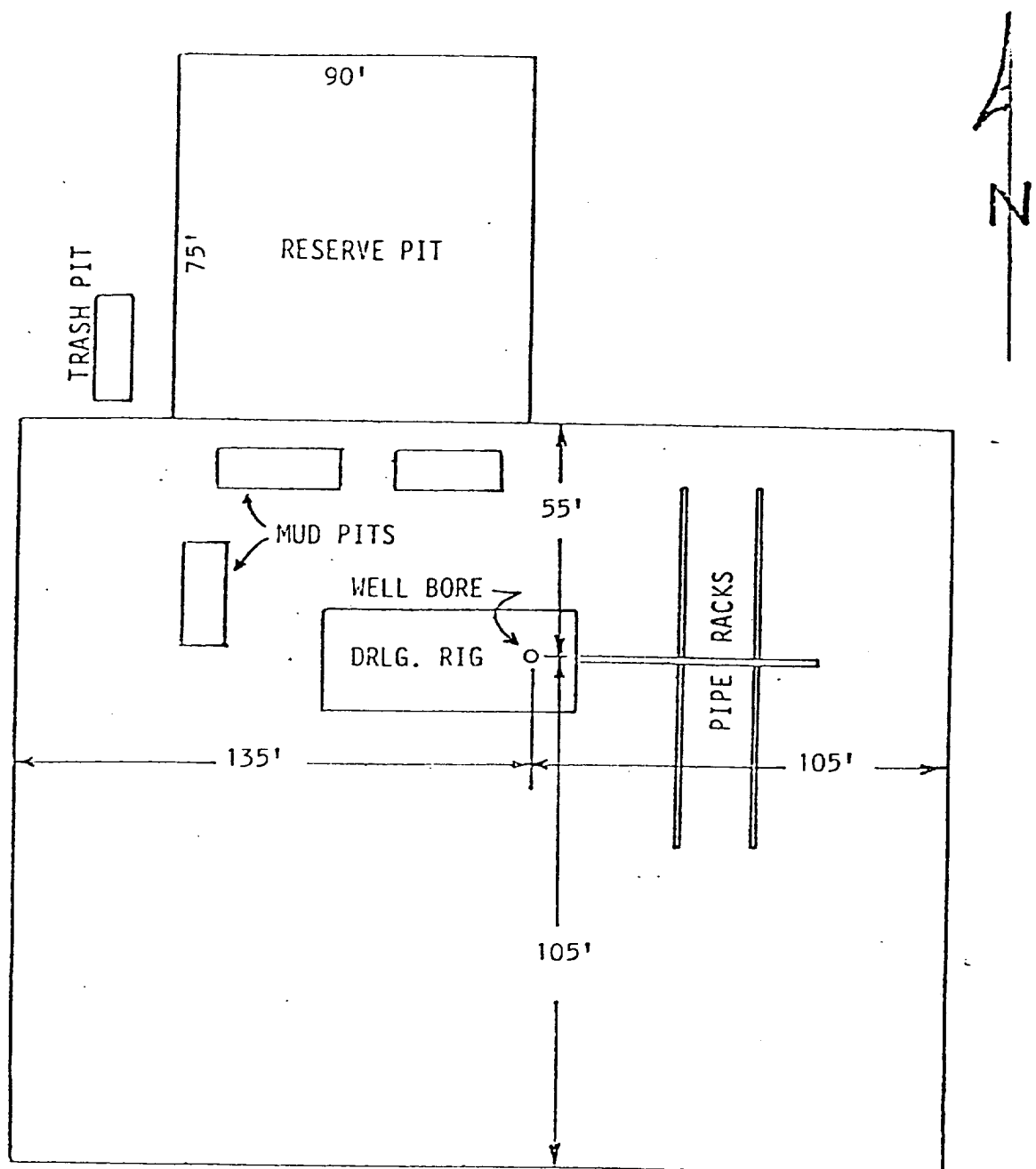
  
\_\_\_\_\_  
John V. Walker  
STEVENS OPERATING CORPORATION





SUPPLEMENTAL EXHIBIT " A "  
COUNTY ROAD MAP  
STEVENS OPERATING CORPORATION  
WELL #3 SUN FEDERAL  
1980' FWL & 1980' FNL, Sec. 28, T7S, R26E





SUPPLEMENTAL EXHIBIT "D"  
 Sketch of Well Pad  
 STEVENS OPERATING CORPORATION  
 WELL #3 SUN FEDERAL  
 1980' FWL & 1980' FNL, Sec. 28, T7S, R26E