

NM OIL CONS. COMMISSION  
Drawer DD  
Artesia, <sup>88210</sup> UNITED STATES  
DEPARTMENT OF THE INTERIORSUBMIT IN TRIPLICATE  
(Other inst. on reverse side)Form approved.  
Budget Bureau No. 42-R1425.

## 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

STEVENS OPERATING CORP. (phone 505 622-7273)

## 3. ADDRESS OF OPERATOR

P. O. Box 2203, Roswell, New Mexico 88201

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

At surface

935' FWL &amp; 1980 FSL, Sec 5, T7S, R26E

At proposed prod. zone

same

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

26 airmiles from Roswell, New Mexico

## 10. DISTANCE FROM PROPOSED\*

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

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

N/A

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

3597.7 GR

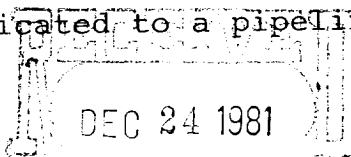
## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24.0#	1050'	Sufficient to circulate
7 7/8"	4 1/2"	9.5#	5000'	circulate to 3800'

Well will be drilled to the Abo porosity zones and all potential pay zones will be evaluated. If commercial production is indicated, well will be selectively perforated and stimulated.

Attached are: 1. Well Location and Acreage Dedication Plat  
2. Supplemental Drilling Data  
3. Surface Use Plan

Gas for this acreage is not dedicated to a pipeline



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

(This space for Federal or State office use)

TITLE Production Clerk

DATE December 24, 1981

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

FEB 22 1982

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

TITLE

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side

30-025-61424

5. LEASE DESIGNATION AND SERIAL NO.

NM 38342

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. NAME OR LEASE NAME

Helen Collins

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLM.

AND SURVEY OR AREA

Sec 5, T7S, R26E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

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

26 airmiles from Roswell, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

16. NO. OF ACRES IN LEASE

1160

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*

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

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

Rotary

21. APPROX. DATE WORK WILL START\*

December 15, 1981

22. APPROX. DATE WORK WILL START\*

December 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

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NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

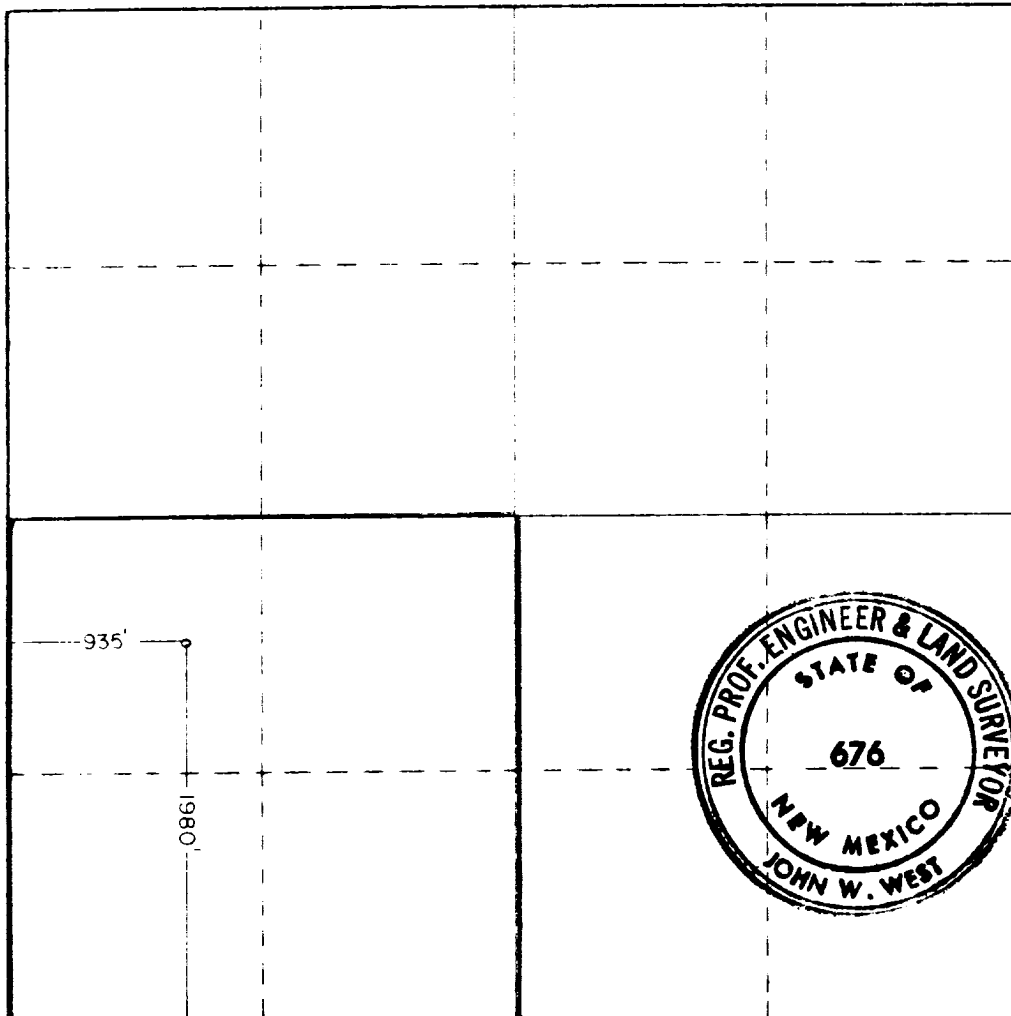
Operator <b>STEVENS OPERATING CO.</b>			Lease <b>HELEN COLLINS FED.</b>		Well No. <b>1</b>
Section <b>5</b>	Township <b>7 SOUTH</b>	Range <b>26 EAST</b>	County <b>CHAVES</b>		
Actual Well Location of Well: <b>1980</b> feet from the <b>SOUTH</b> line and <b>935</b> feet from the <b>WEST</b> line					
Surface Elev. <b>3597.7</b>	Producing Formation <b>Abo</b>	Well Name <b>Wildcat Und. Piers Dipos Abo</b>		Dedicated Acreage <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, force-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.

Signature: *Pat Thompson*  
 Position: **Pat Thompson**  
**Production Clerk**

Company:  
**Stevens Operating Corp.**

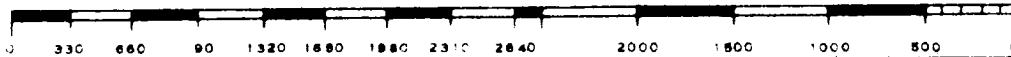
Date:  
**11-30-81**

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:  
**12-5-81**

Registered Professional Engineer and/or Land Surveyor

Signature: *John W. West*  
 Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6883**  
**Ronald J. Eidson 3239**



## SUPPLEMENTAL DRILLING DATA

STEVENS OPERATING CORPORATION  
WELL #1 HELEN-COLLINS FEDERAL  
935' FWL & 1980' FSL, SEC. 5-T7S-R26E  
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Alluvium
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

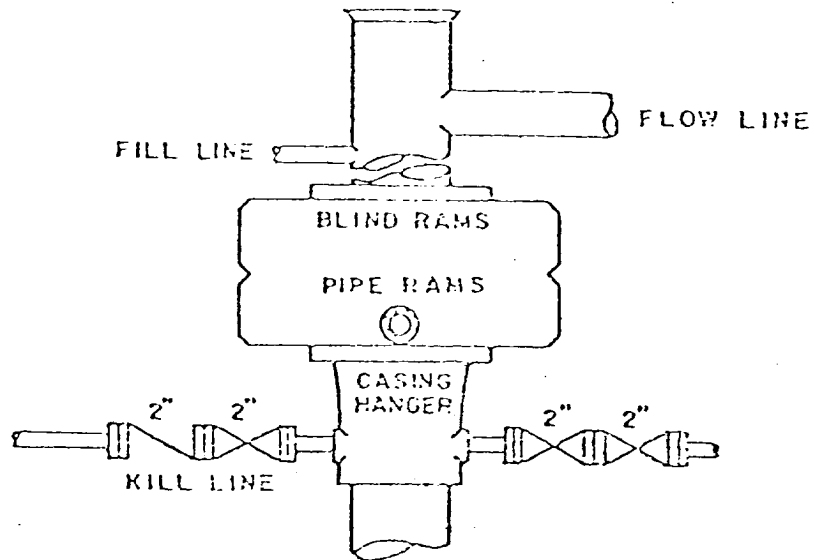
Yates	100'	Glorietta	2250'
Queen	600'	Abo	4400'
San Andres	1050'		
3. ANTICIPATED POROSITY ZONES:

Water	150 - 200'
Oil	1600 - 1700'
Gas	4400 - 4500'
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 - 1050'	24.0#	K-55	STC	New
4 1/2"	0 - 4500'	9.5#	K-55	STC	New
5. SURFACE CONTROL EQUIPMENT: A double ram-type preventer (600 series). A sketch of BOP stack is attached.
6. CIRCULATING MEDIUM:

0 - 1050'	Fresh water mud with gel added if needed for viscosity.
1050 - 5000'	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: No coring or DST's are planned. Compensated Neutron-Formation Density w/Gamma Ray Log, O-TD; Dual Laterolog, shoe to TD.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
10. ANTICIPATED DATES: It is planned that operations will commence about January 5, 1982. Duration of drilling and completion operations should be 20 to 60 days.

BLOWOUT PREVENTER SKETCH



DUAL RAM-TYPE PREVENTER

Blowout Preventer Sketch

Stevens Operating Corporation  
Well #1 Helen-Collins Federal  
935' FWL & 1980' FSL, Sec 5-T7S-R26E  
Chaves County, New Mexico

## ROAD LOG TO PROPOSED DRILLSITE

STARTING POINT is north of Roswell on US-285 at Mile Post 122.39 which is 7.71 miles north of the US-70 underpass.

- 0.00 Turn right (east) on county road and proceed in an easterly direction for a distance of 2.62 miles to a fork in road.
- 2.62 Turn left (northeast) on main road and proceed in a north-easterly direction for a distance of 15.22 miles to the point where the road crosses 5 mile draw. This is in the SE of NW of Section 6, T7S, R26E.
- 15.22 Turn right (east) on country road on the north side of 5 mile draw and go east .28 miles to fence, proceed through gate.
- 15.50 Turn right (south) on location access road on the east side of the gate and proceed in a southerly direction .20 mile to northeast corner of proposed drillsite.
- 15.70 Drillsite well #1 Helen-Collins 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 .05 miles in length. The proposed route which will originate at mileage 15.50 on the road log and terminate at the northeast corner of the proposed drill pad is shown in Exhibit "B".
  - A. Width: 15 feet with a 20' R.O.W.
  - B. Surfacing Material: Material for the roadway will be purchased from the landowner and will be provided from his caliche pit.
  - 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 and Cattleguards: A gate and cattleguard will be installed at point 15.42 on the mileage log.
- 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. There are no production facilities located on the leasehold.
  - B. 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 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. Where required caliche will be purchased from the landowners pit.
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 area is nearly level and will hardly require any cut or fill.
  - D. The well pad will be surfaced with material from the land owners caliche pit.
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 undisturbed wellsite elevation is 3597.7 feet. The wellsite is on the old flood plain of the Pecos River. 3780
- B. Soil: Top soil is river sand.
- C. Flora & Fauna: The vicinity surrounding the drillsite is semi-arid desert rangeland. Flora consists primarily of mesquite, salt cedar and range grasses interspersed with other desert plants. The only wildlife observed were rabbits; however, fauna for this type of habitat also includes lizards, snakes, rodents, skunks, coyotes, dove, quail and other small birds.
- D. Ponds & Streams: Five mile draw is .15 mile west of the drillsite. The Pecos River is .55 miles east of drillsite.
- E. Residences & Other Structures: Nearest occupied dwelling is 1.05 miles to the east. Nearest water well is .25 mile to the north.
- F. Archaeological, Historical & Other Cultural Sites: An archaeological reconnaissance of the well pad and new road area was made by New Mexico Archaeological Services, Inc. on 11-30-81 and no significant artifacts were observed.
- G. Land Use: Grazing and occasional hunting.
- H. Surface Owner: Tom Cooper, First National Bank Building, Las Cruces, New Mexico 88001.

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 622-6268 - 7273  
Home phone 624-0111

13. CERTIFICATION:

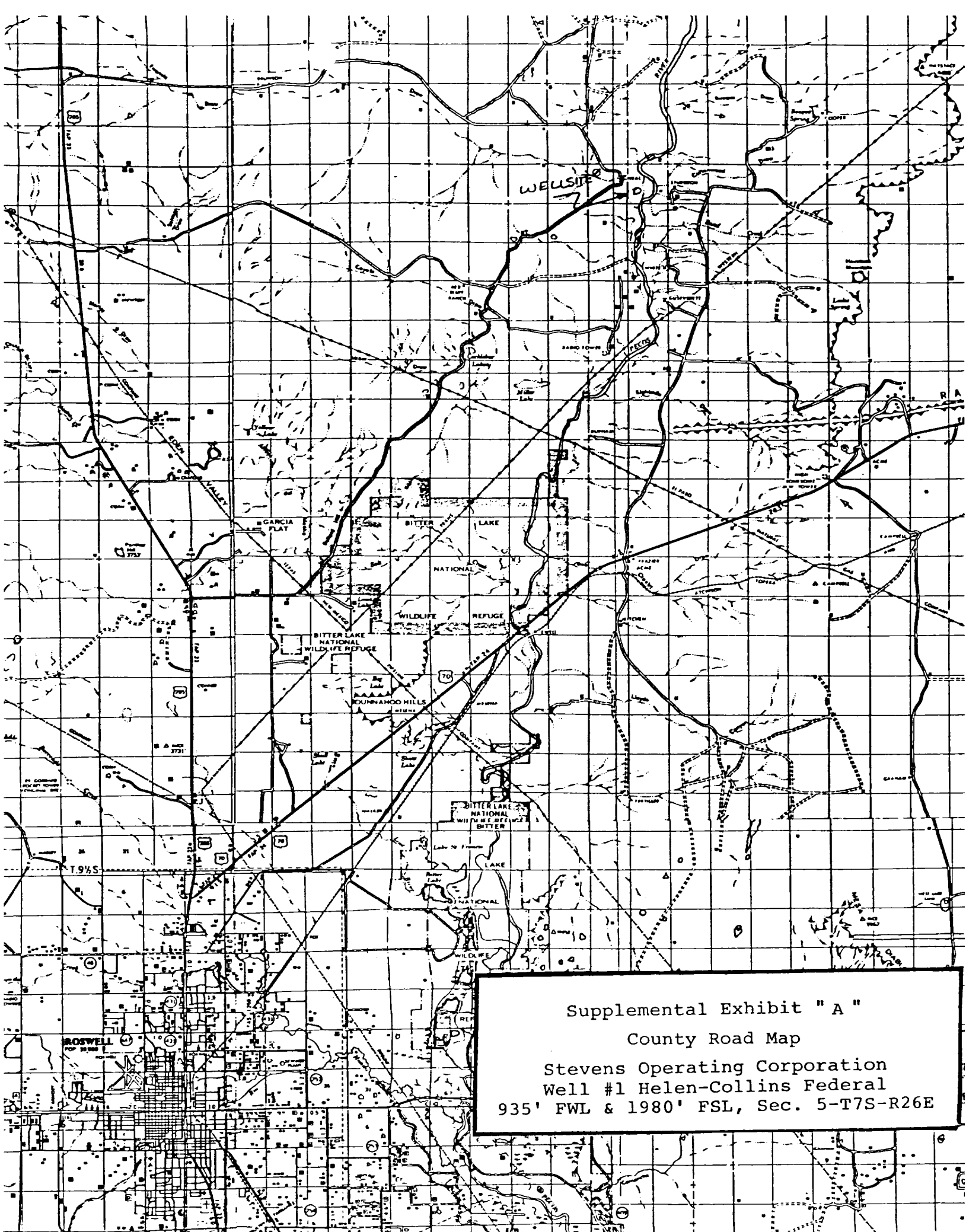
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the

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 conditons under which it is approved.

December 24, 1981  
Date

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

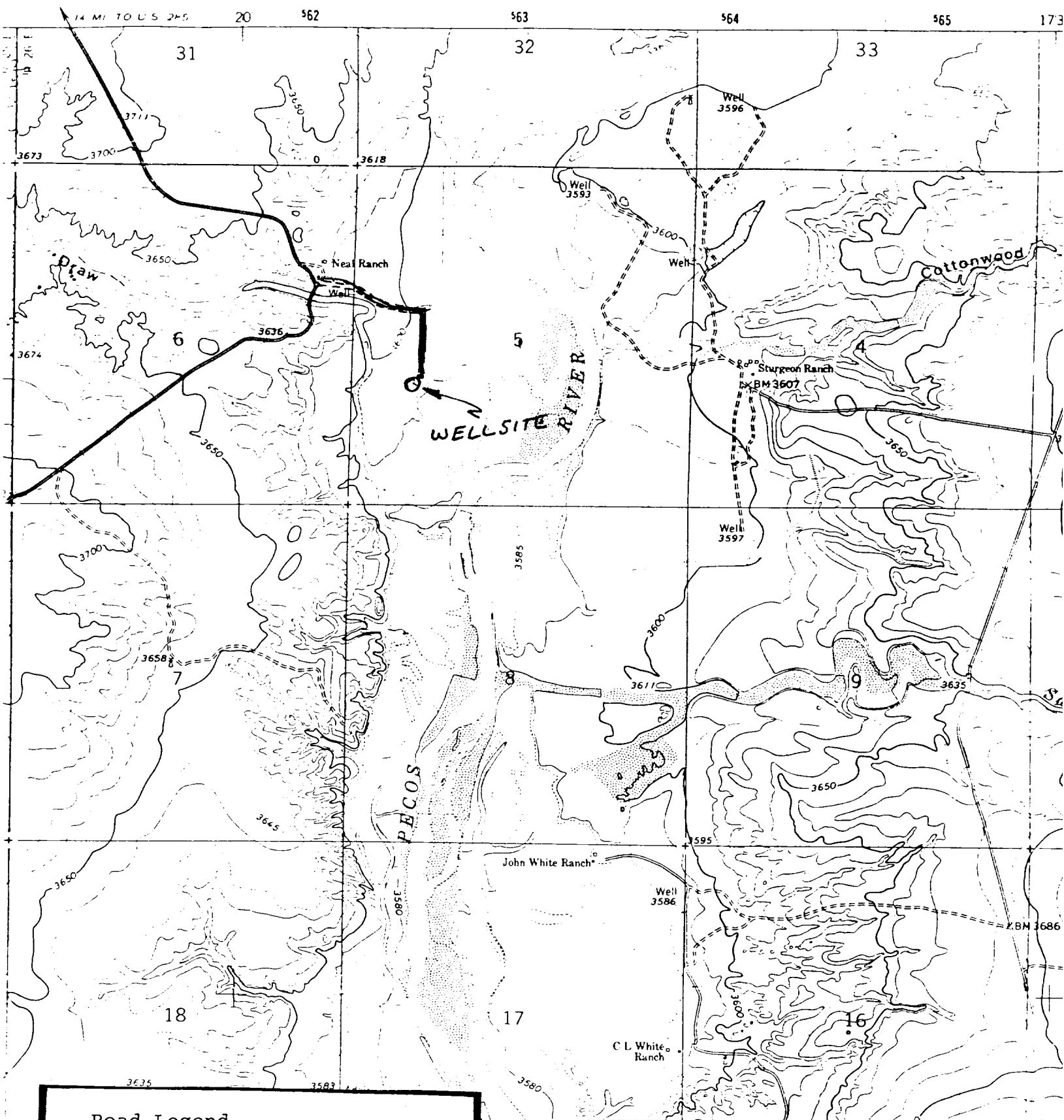




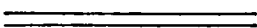
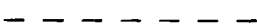

Supplemental Exhibit "A"

County Road Map

Stevens Operating Corporation  
Well #1 Helen-Collins Federal  
935' FWL & 1980' FSL, Sec. 5-T7S-R26E



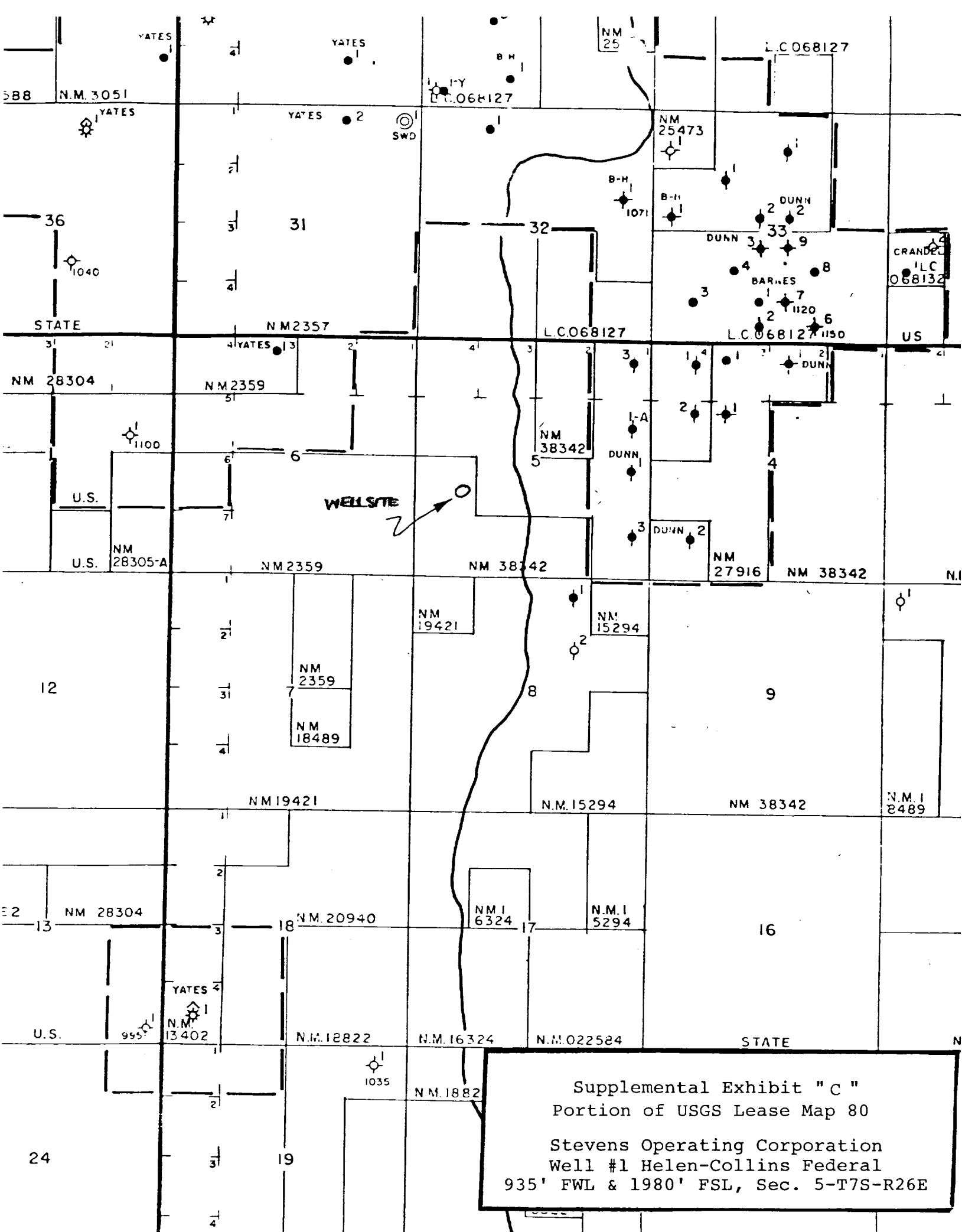
### Road Legend

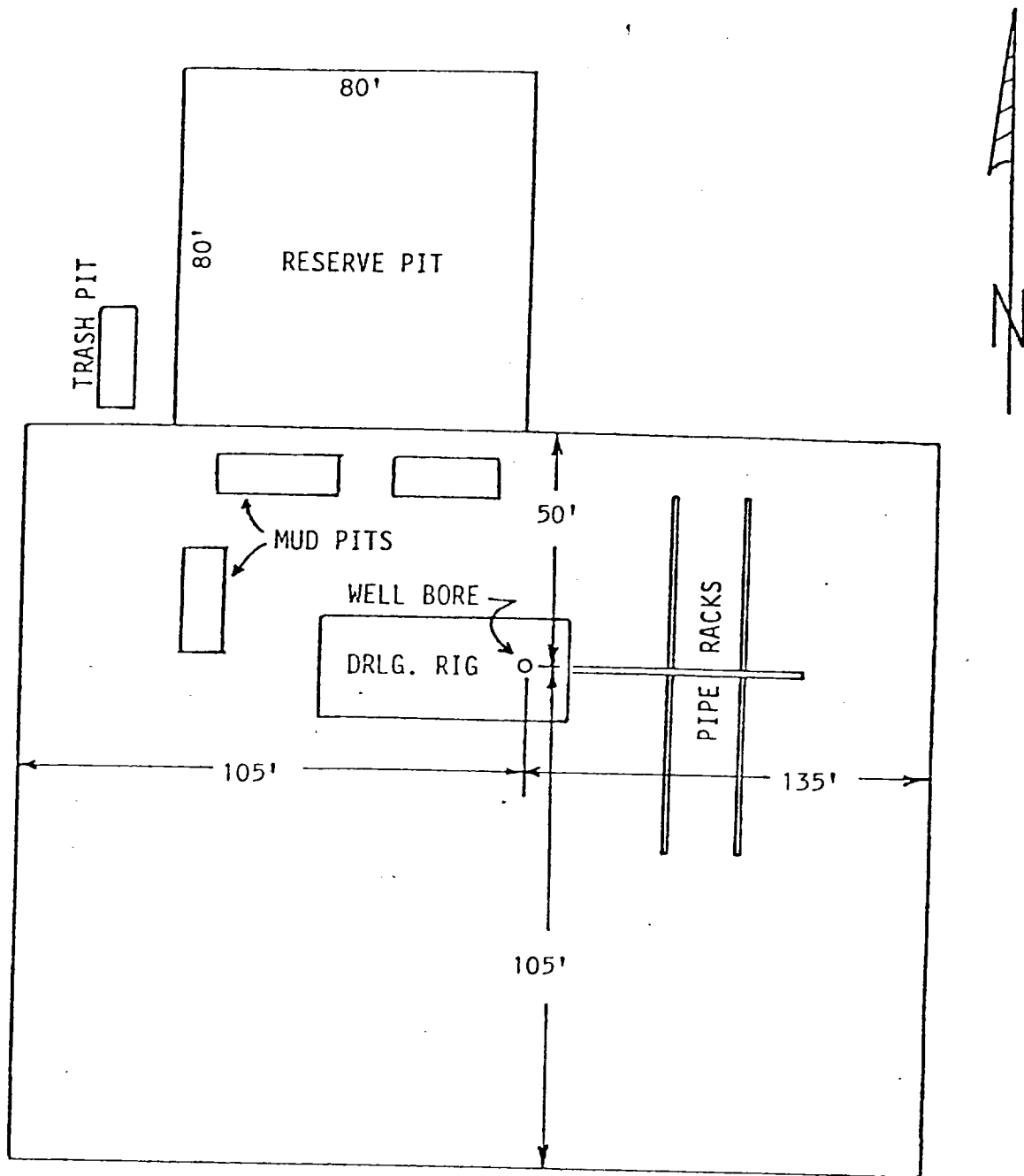
-  County Road
-  Ranch Road
-  Proposed Road

### Supplemental Exhibit "B"

#### Topographic Map

Stevens Operating Corporation  
Well #1 Helen-Collins Federal  
935' FWL & 1980' FSL, Sec. 5-T7S-R26E





Supplemental Exhibit " D "

Sketch of Well Pad

Stevens Operating Corporation  
 Well #1 Helen-Collins Federal  
 935' FWL & 1980' FSL, Sec. 5-T7S-R26E