

Drawer DD  
Artesia, NM 3210

SUBMIT IN ADVANCE  
OTHER INSTR. on  
TO USE FILE

Form approved.  
Budget Bureau No. 42 R1425

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-005-61577 RECEIVED

C/SF

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☒

OTHER ☐

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

3. NAME OF OPERATOR

Stevens Operating Corporation (505-622-7273)

4. ADDRESS OF OPERATOR

P. O. Box 2408, Roswell, New Mexico 88201

5. LOCATION OF WELL (Report location clearly and in accordance with any State Agreements.)

At surface 1980' FSL & 1980' FEL of Sec 15-7S-26E

At proposed prod. zone

same

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

25.6 air miles northeast of Roswell, NM

7. DISTANCE FROM PROPOSED\*

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

660'

8. NO. OF ACRES IN LEASE

1280

9. NO. OF ACRES ASSIGNED

160

10. DISTANCE FROM PROPOSED LOCATION\*

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

5940'

11. PROPOSED DEPTH

4600'

12. ROTARY OR CABLE TOOLS

Rotary

13. ELEVATIONS (Show whether DF, RT, GR, etc.)

3737.7 GR

14. APPROX. DATE WORK WILL START\*

May 11, 1982

15. 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#	4600'	300 sks or 500' above pay

Well will be drilled to a total depth of 4600' and all potential zones will be evaluated. If commercial production is indicated, well will be selectively perforated and stimulated.

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

Gas is not dedicated to a pipeline.

16. 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 indicator program, if any.

24.

TITLE Production Coordinator

DATE 3/31/82

Other copies for Federal or State (See back)

APPROVED

APPROVAL DATE

DATE

(Orig. Sgd.) GEORGE H. STEWART

APR 27 1982

FOR

JAMES A. GILHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

Posted ID-1  
API + NL Back  
5-7-82

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10  
Supersedes O-10A  
Effective 1-1-85

All distances must be from the outer boundaries of the Section

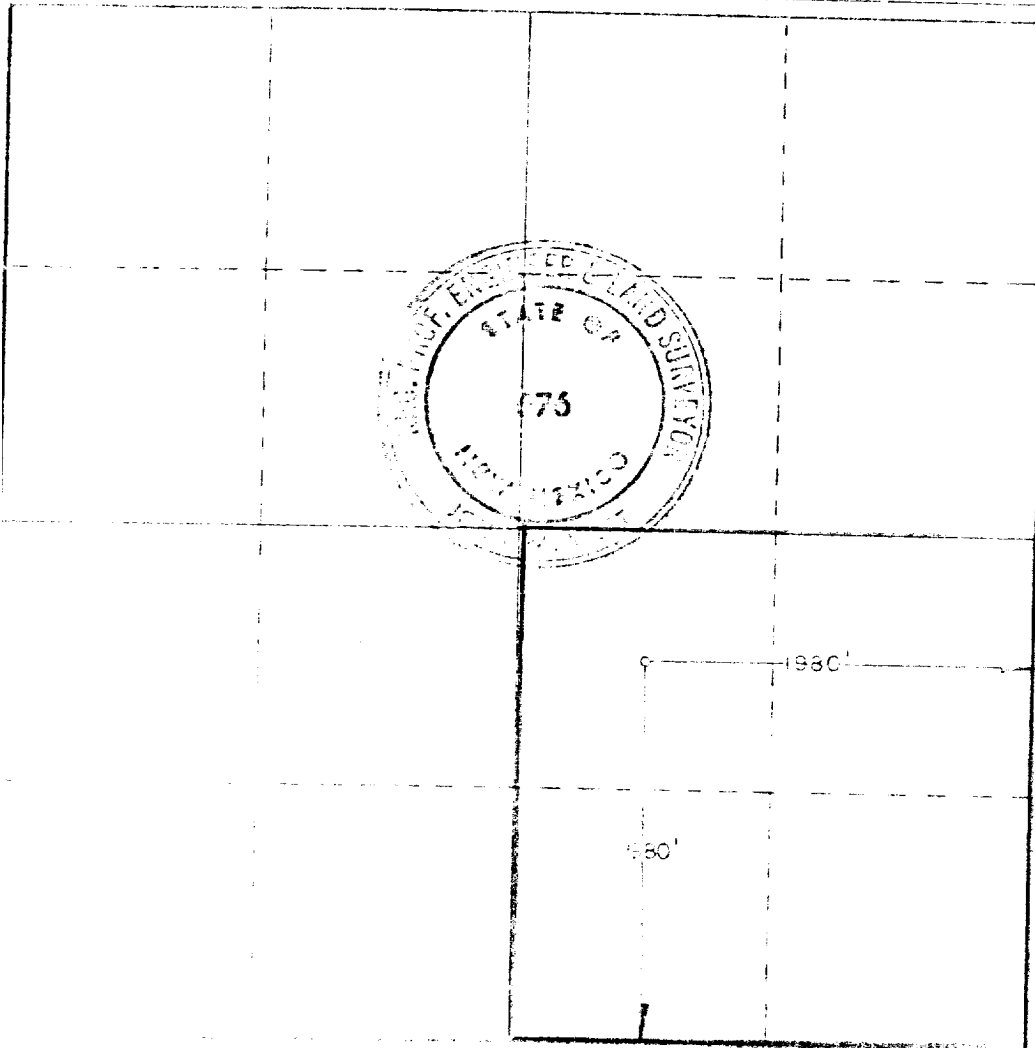
Stevens Operating Corp.			Lessee		HANAGAN FED.		Acres: 4.2	
Section	Township	Range	County					
15	7 SOUTH	26 EAST	CHAVES					
150 feet from the SOUTH line and			1980 feet from the EAST line					
Producing Formation	Pool	Dedicated Acreage						
Abo	Undesignated	H/R		160				

- 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, 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.

Pat Thompson

Production Coordinator

Stevens Operating Corporation

March 30, 1982

I hereby certify that the well location shown on this plat was plotted from the notes of actual surveys made by me or under my supervision in accordance with the requirements of the Commission.

*[Signature]*

SUPPLEMENTAL DRILLING DATA

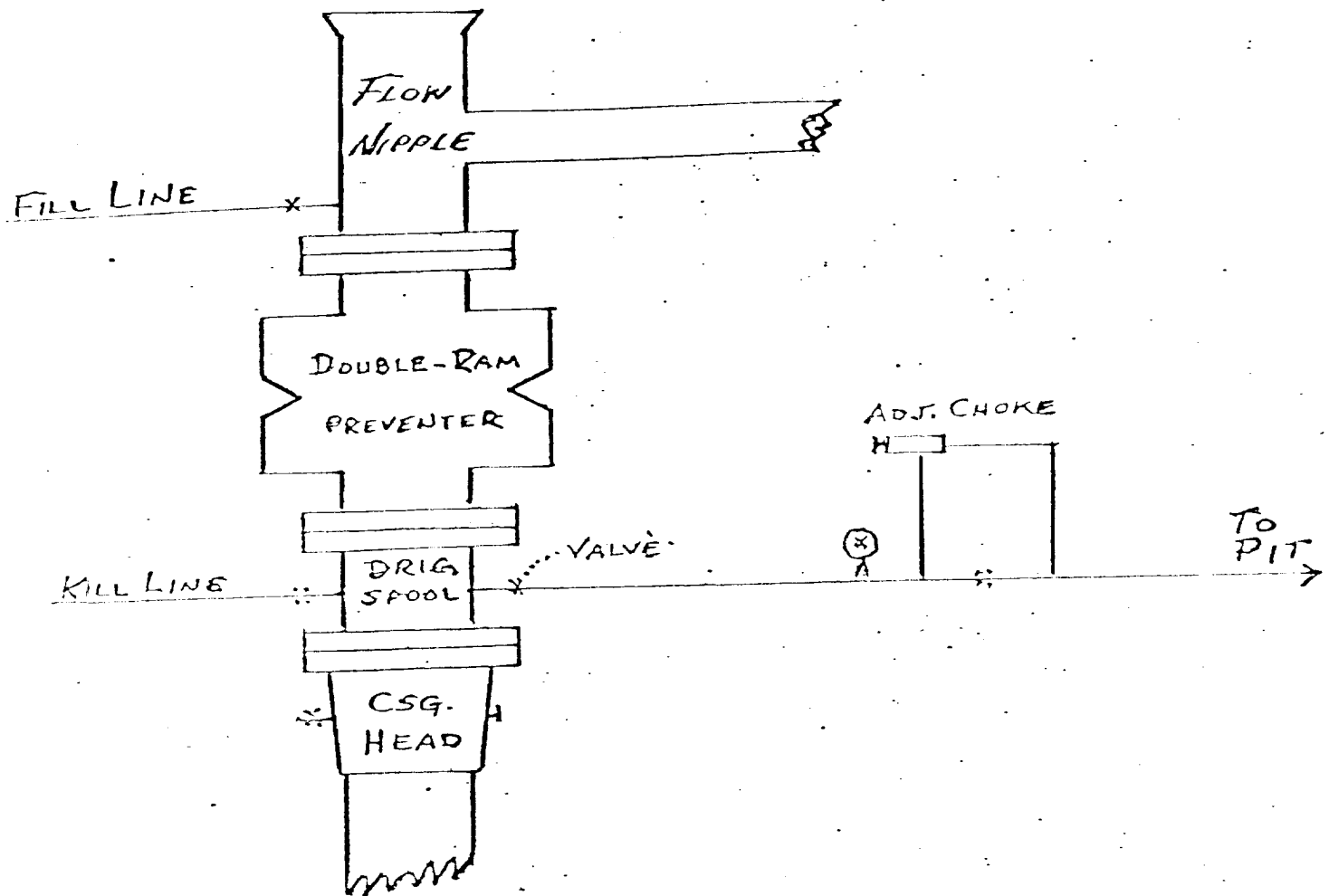
STEVENS OPERATING CORPORATION  
WELL #4 HANAGAN FEDERAL  
1980' FSL & 1980' FEL, SEC 15-7S-26E  
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Permian (Artesia Group).
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:  
Queen 370'  
San Andres 820'  
Glorietta 2000'  
Abo 4100'
3. ANTICIPATED POROSITY ZONES:  
Water 150 - 200'  
Oil 900 - 1200'  
Gas 4100 - 4600'
4. CASING DESIGN:

	<u>Size</u>	<u>Casing</u>	<u>Interval</u>	<u>Weight</u>	<u>Class</u>	<u>Joint</u>	<u>Condition</u>
	11"	8 5/8"	0 - 900'	24.0#	K-55	STC	New
7	7/8"	4 1/2"	0 - 4600'	10.5#	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 with gel added if needed for viscosity  
900 - TD Salt water 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 s/Gamma Ray Log, 0-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 May 11, 1982. Duration of drilling and completion operations should be 20 to 60 days.

# B O P & CHOKE MANIFOLD

SERIES 900



STEVENS OPERATING CORPORATION  
WELL #4 HANAGAN FEDERAL  
1980' FSL & 1980' FEL, SEC 15-7S-26E  
CHAVES COUNTY, NEW MEXICO

SURFACE USE PLAN  
FOR  
DRILLING, COMPLETING AND PRODUCING

STEVENS OPERATING CORPORATION  
WELL #4 HANAGAN FEDERAL  
1980' FSL, 1980' FEL, SEC 15-7S-26E  
CHAVES COUNTY, NEW MEXICO



LOCATED: 25.6 air miles northeast of Roswell, New Mexico

FEDERAL LEASE NUMBER: NM-27634

LEASE ISSUED: 4-1-76 for a primary term of 10 years.

RECORD LESSEE: Hanagan Petroleum Corporation

OPERATOR'S AUTHORITY: Designation of Operator from lessee.

BOND COVERAGE: Hanagan's \$25,000 State-wide Bond

ACRES IN LEASE: 1280

SURFACE GRAZING LEASE: Charles Wagner  
P. O. Box 1123  
Roswell, NM 88201

POOL: Undesignated Abo (160 acre spacing for gas)

EXHIBITS:

- A. Portion of Chaves County Road Map
- B. Portions of Eightmile Draw Topo Map
- C. Portion of USGS Lease Map #80
- D. Sketch of Well Layout

### 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 road miles east of US-285.

- 0.00 Turn left(north) through cattleguard and proceed on county road in a northerly direction for a distance of 8.38 miles to a ranch road.
- 8.38 Turn right(east) and proceed on a ranch road in an easterly direction for a distance of .50 miles to the access road.
- 8.88 Turn right(south) and proceed in a southerly direction for a distance of .30 miles to the southwest edge of the proposed drill pad.
- 9.18 DRILLSITE (Well #4 Hanagan 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 approximately 200' in length and connect the southwest edge of 400' x 400' area to an existing pipeline road shown on Exhibit "B".
  - A. Width: 12 feet with 20-foot R-O-W.
  - B. Surfacing Material: The new road will be surfaced with caliche or other available material, if required.
  - C. Maximum Grade: Less than one percent except at arroyo crossing.
  - D. Turnouts: None required.
  - E. Drainage Design: New road will be crowned with drainage to the side.
  - F. Culverts: None planned.
  - G. Gates, Cattleguards: None required.
- 3. LOCATION OF EXISTING WELLS: Existing wells in the vicinity of the proposed drillsite are shown on Exhibit "C".
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
  - A. A separator and storage facility is located on the well pad for Hanagan Federal #1 in the NW $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 14, T7S, R26E, a shut in gas well.
  - B. If this well is productive, production and storage facilities will be located on the wellpad.
- 5. LOCATION AND TYPE OF WATER SUPPLY: 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: Material for construction of the proposed new road and well pad will be obtained from a new Federal pit in the SW-SE 14-7S-26E, a new Federal pit in the SW-SE 15-7S-26E, or an existing Federal pit in the SE-SE 5-8S-26E. These pits were cleared by Agency for Conservation Archaeology (ENMU) on 7-17-81.
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. AUXILIARY 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 location is nearly level and will hardly need any cut or fill.
  - D. The well pad will be surfaced with caliche or other available material, if required.
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.
11. OTHER INFORMATION:
  - A. Topography: The undisturbed wellsite elevation is 3737.7 feet. The surface of the location is nearly level. The terrain at the area surrounding the location is level and slopes toward the west. See

Exhibit "B". Regional slope is to the west toward the Pecos River.

- B. Soil: Top soil at the wellsite is sandy loam.
  - C. Land Type & Use: The vicinity surrounding the drillsite is semi-arid rangeland and its primary use is for grazing.
  - D. Flora & Fauna: Vegetative cover is moderately sparse. Flora consists primarily of range grasses interspersed with mesquite and other semi-arid desert plants. No wildlife was observed, however fauna for this type of habitat usually consists of lizards, snakes, rabbits, rodents, coyotes, skunks, quail, dove, and other small birds.
  - E. Ponds & Streams: Wellsite is located .85 miles south of Sand Creek.
  - F. Water Wells: Nearest water well is 2.2 miles to the northwest.
  - G. Residence & Other Structures: Nearest occupied dwelling is 2.2 miles to the northwest.
  - H. Archaeological, Historical & Cultural Sites: New Mexico Archaeological Services will conduct survey on April 2, 1982. The results will be forwarded directly to the Minerals Management Service.
12. OPERATOR'S REPRESENTATIVE: Representative responsible for assuring compliance with the approved Surface Use Plan:

Pat Thompson	Office phone	622-7273
Production Coordinator	Home phone	624-0111
118 W. First		
Roswell, NM 88201		

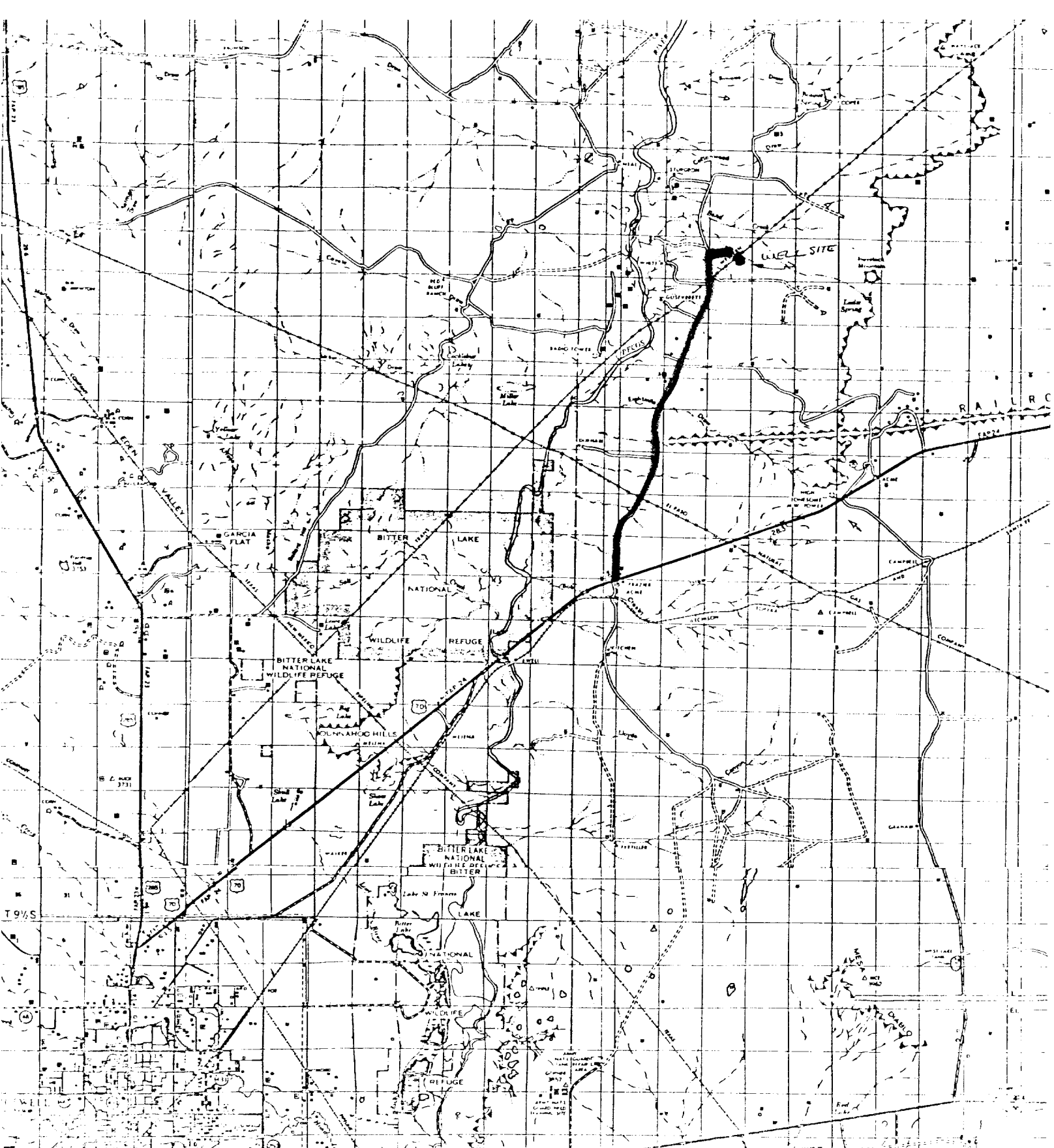
13. CERTIFICATION:




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.

30 March 1982  
Date

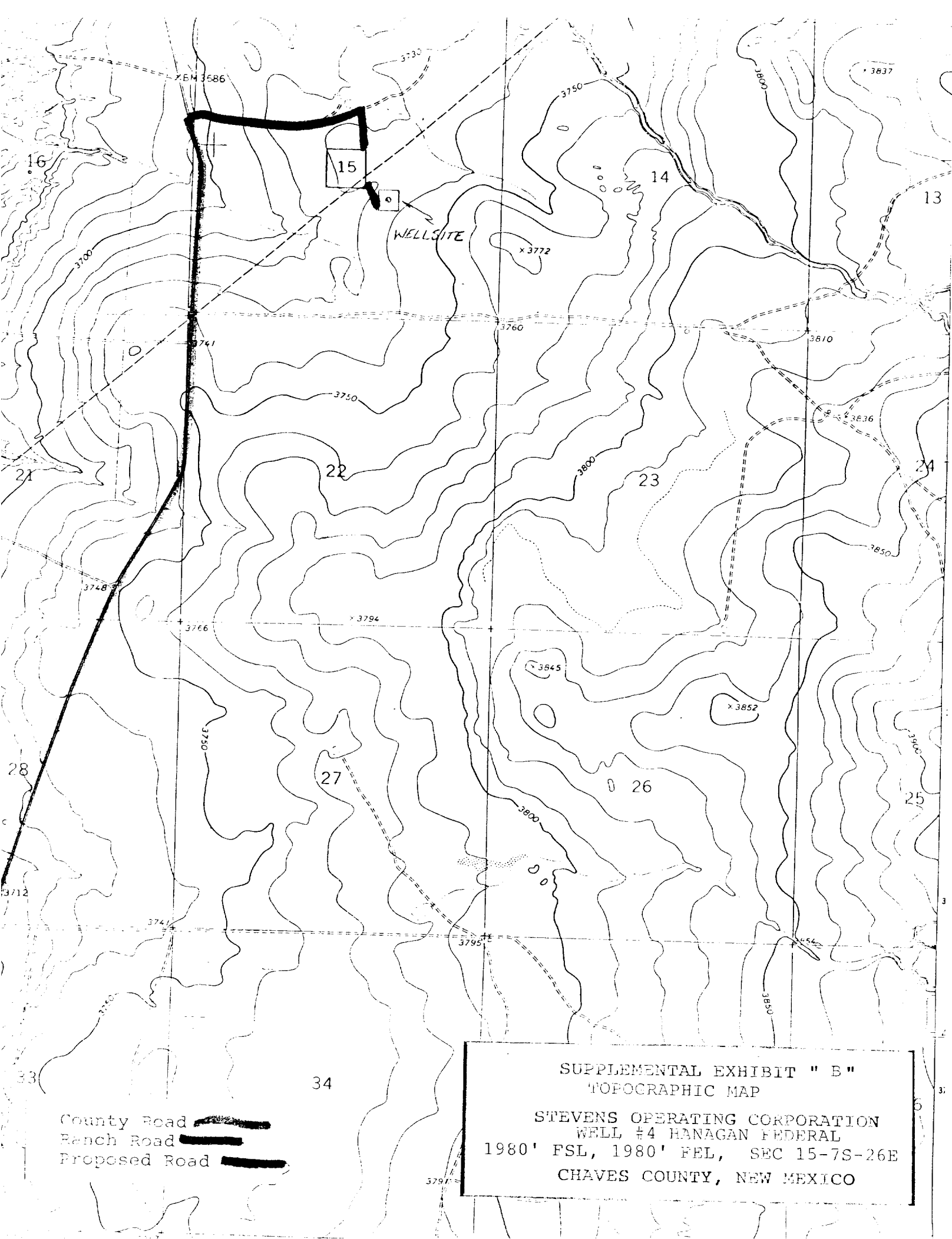
John V. Walker  
John V. Walker  
STEVENS OPERATING CORPORATION

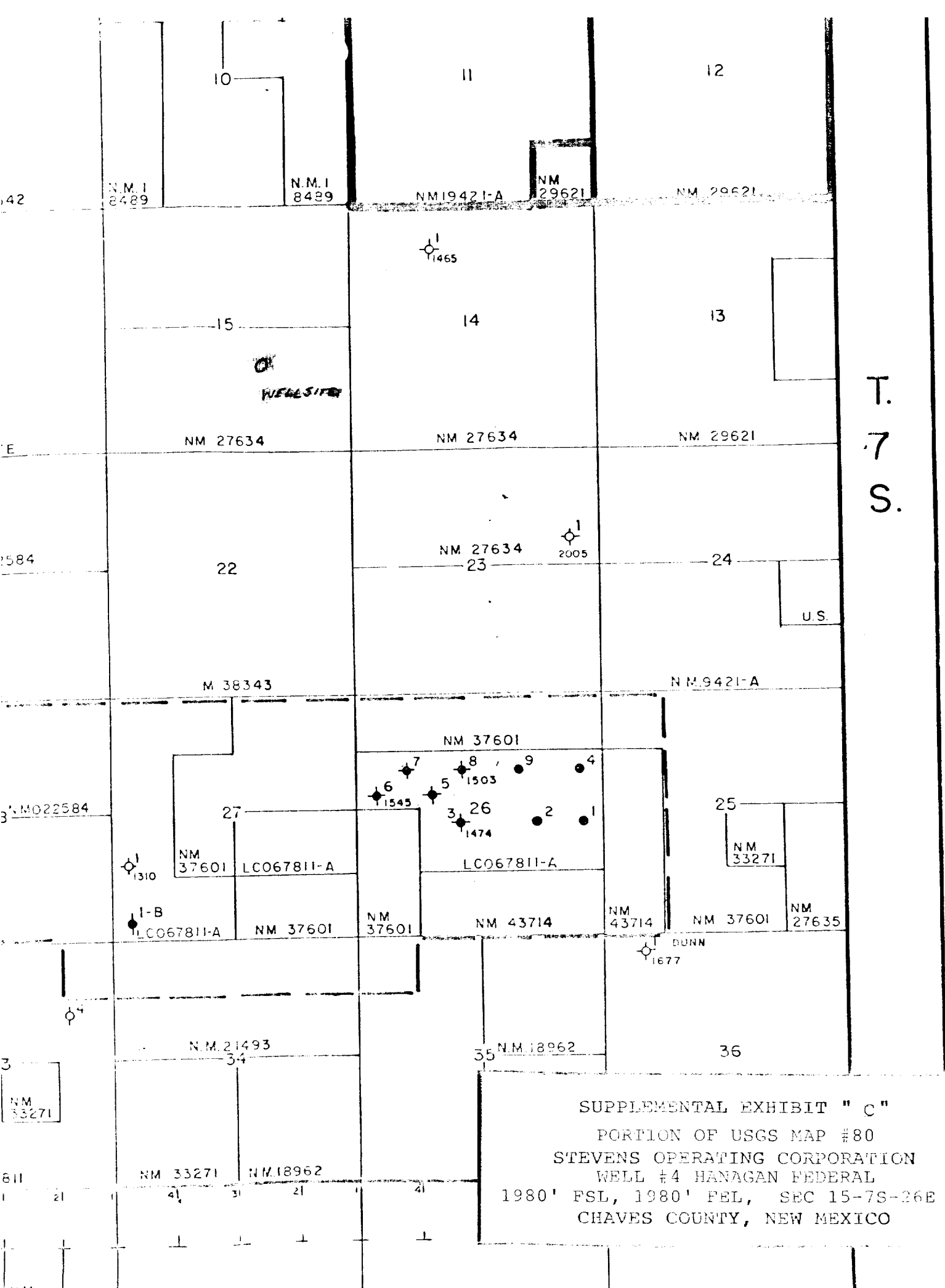


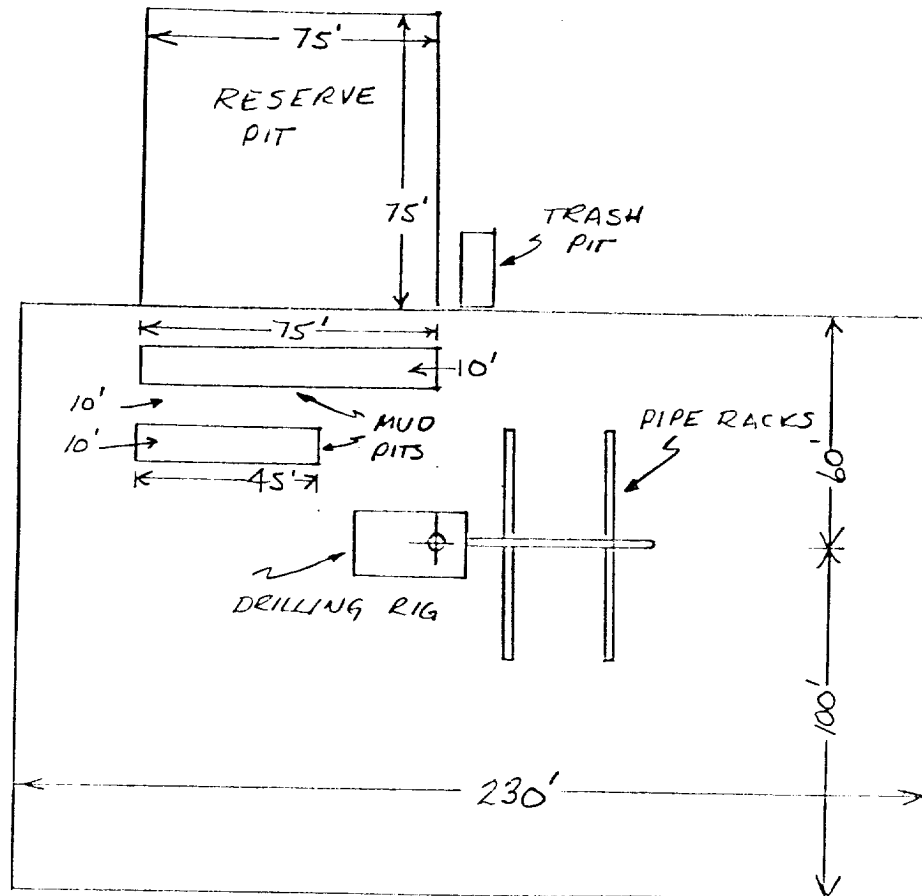


County Road   
Ranch Road   
Proposed Road 

SUPPLEMENTAL EXHIBIT "A "  
COUNTY ROAD MAP  
STEVENS OPERATING CORPORATION  
WELL #4 HANAGAN FEDERAL  
1980' FSL, 1980' FEL SEC 15-7S-26E  
CHAVES COUNTY, NEW MEXICO







SUPPLEMENTAL EXHIBIT " D "  
 SKETCH OF WELL LAYOUT  
 STEVENS OPERATING CORPORATION  
 WELL #4 HANAGAN FEDERAL  
 1980' FSL, 1980' FEL, SEC 15-7S-26E  
 CHAVES COUNTY, NEW MEXICO