30-045-24239

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

2. NAME OF OPERATOR
GULF OIL CORPORATION

3. ADDRESS OF OPERATOR
P.O. Box 670, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1000' FNL & 1000' FWL
D
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
SF-078092

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Douthit "A" Federal

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Unit D
Section 35, T27N, R11W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 24 miles south-southwest of Bloomfield, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
2560

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
N ~~160~~ 320

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

19. PROPOSED DEPTH
6750'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6439' GL

22. APPROX. DATE WORK WILL START*
February 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼"	8-5/8"	24#	750	400 sx - circulated
7-7/8"	5½"	15.5#	6750	To be determined by caliper log

NOTE: Set attached BOP Drawing #2

Circulating Media:
0' - 500' Fresh water spud mud
500' - 4000' Fresh water
4000' - 6750' Fresh water gel with the following properties: viscosity 32-37 sec, water loss 20-4cc, weight 8.5-9.0 ppg.

Gas is not dedicated

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FARMINGTON, N. M.

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DIST. 3

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 R. C. Anderson TITLE Area Production Manager DATE 1-18-80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ok Fmk

APPROVED AS AMENDED
MAR 12 1980
JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions On Reverse Side

NMOCC

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
GULF OIL CORPORATION	DOUTHIT A FEDERAL	4

Unit Letter	Section	Township	Range	County
D	35	27 NORTH	11 WEST	SAN JUAN

Actual Footage Location of Well:
1000 feet from the NORTH line and 1000 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6439	Dakota	Basin Dakota	N 320 Acres

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

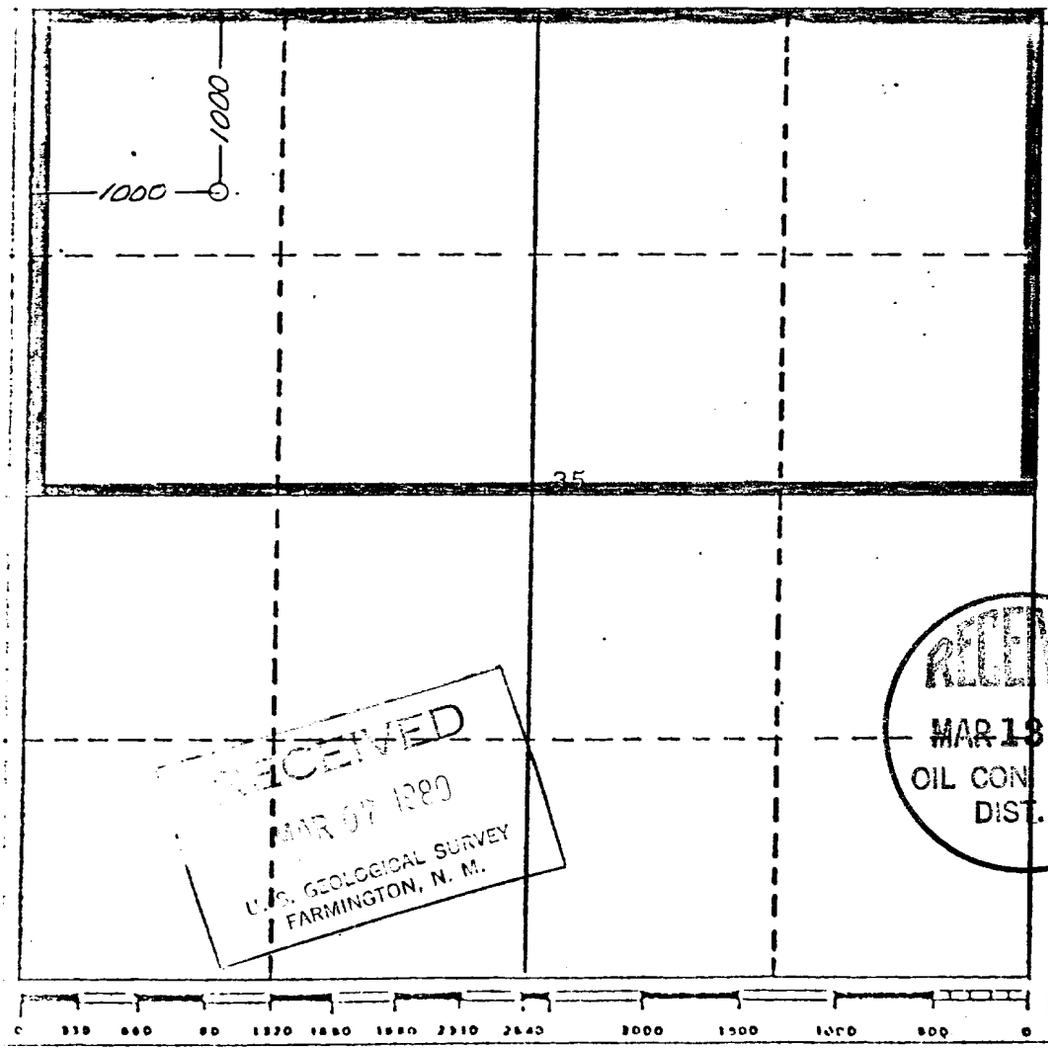
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



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DIST. 3

CERTIFICATION

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

R. C. Anderson

Name: R. C. Anderson
Position: Area Production Manager
Company: Gulf Oil Corporation
Date: 3-6-80

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: January 15, 1980

Registered Professional Engineer and/or Land Surveyor

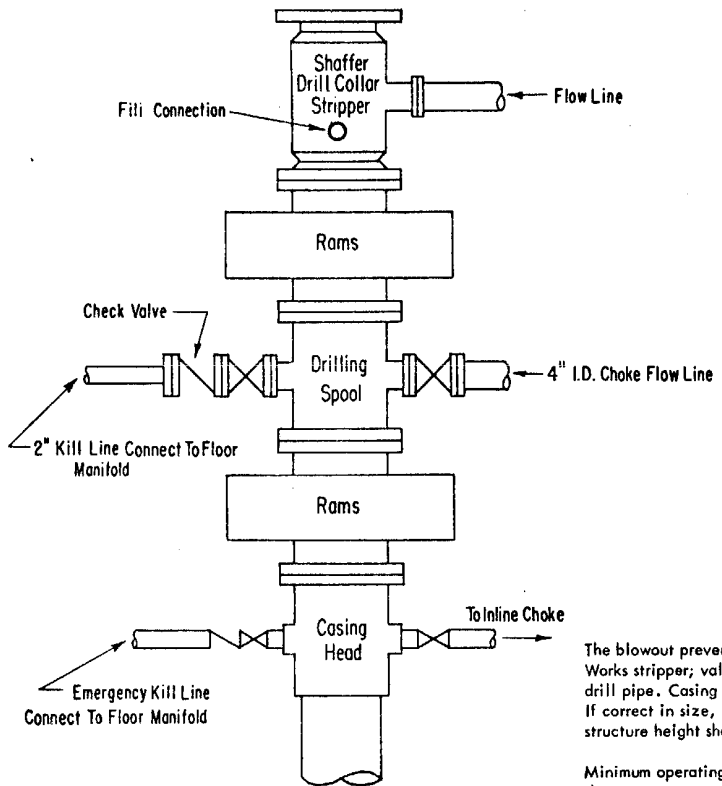
Michael Daly

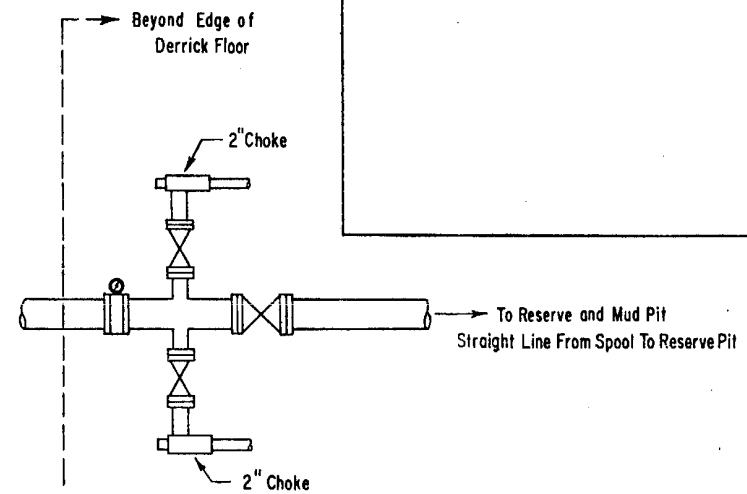
Certificate No. 5992

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
MICHAEL DALY
5992

DRAWING NO. 2
Revised April, 1970

ADDITIONS – DELETIONS – CHANGES SPECIFY





3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated; a Shaffer Tool Works stripper; valves ; chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. The ram preventers may be two singles or a double type. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and kill line. The substructure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventers shall be as follows: (1) Pump (s), driven by a continuous source of power, capable of closing all the pressure-operated devices simultaneously within ____ seconds. The pump (s) is to be connected to a closed type hydraulic operating system. (2) When requested, accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive a fluid charge from the above pump (s). With the charging pump (s) shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within ____ seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least ____ percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pump (s); or there shall be an additional pump (s) operated by separate power and equal in performance capabilities.

The closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided if a Hydril preventer is used. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valve connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

January 18, 1980

P. O. Box 670
Hobbs, NM 88240

U. S. Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

Gentlemen:

The following is Gulf Oil Corporation's plan for surface restoration associated with the drilling of our Douthit "A" Federal #4, to be located 1000' from the north line and 1000' from the west line of Section 35, Township 27 North, Range 11 West, San Juan County, New Mexico.

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 well site in as aesthetically pleasing condition as possible. Any unguarded pits containing fluids will be fenced until they are filled.

After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and the location will be cleaned. The pit area, well pad, and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within ninety (90) days after abandonment.

Yours very truly,

R. C. Anderson

RLV:ctw

County of Lea
State of New Mexico

Subscribed and sworn to before me a Notary Public by R. C. Anderson, Area Production Manager of Gulf Oil Exploration & Production Company, this 18th day of January, 1980.

OFFICIAL SEAL
Signature
Notary Public
NOTARY BOND FILED WITH SECRETARY OF STATE
My Commission Expires 8-21-81

My Commission Expires 8-21-81

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

January 18, 1980

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit to Drill
Proposed Douthit "A" Federal #4
San Juan County, New Mexico

U. S. Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

Gentlemen:

We are submitting the information requested in NTL-6 which should accompany application for permit to drill.

Well: Douthit "A" Federal #4

1. Location: 1000' FNL & 1000' FWL, Section 35, T27N, R11W, San Juan County, New Mexico.

2. Elevation of Unprepared Ground: 6439' GL.

3. Geologic Name of Surface Formation: Ojo Alamo Sand

4. Type Drilling Tools: Rotary

5. Proposed Drilling Depth: 6750'

6. Estimated Tops of Geologic Markers: Fruitland 1720'; Pictured Cliffs 1740'; Point Lookout 4220'; Gallup 5200'; Graneros 6160'; Second Dakota 6260'

7. Estimated Depth at Which Anticipated Gas or Oil-Bearing Formations Expected: Dakota 6150' to 6300'

8. Casing Program and Setting Depths:

	Size	Weight	Grade	Setting Depth
Surface	8-5/8"	24#	K-55	750'
Production	5½"	15.5#	K-55	6750'

9. Casing Setting Depth and Cementing Program:

   a. Surface casing will be set at 750', cemented with 400 sacks Class "B" neat with 2% $CaCl_2$.

(continued)

9. b. Production casing will be set at 6750' and cemented as follows: 6750' to surface with Class "B" with 16% gel, 3% salt and 0.2 of 1% CFR-2, and Class "B" neat with 0.2 of 1% CFR-2.

NOTE: Volume of cement to be determined after running caliper log at total depth.

10. Pressure Control Equipment: The minimum specifications for pressure control equipment will be Gulf's blowout preventer hookup #2 for 3000# working pressure.

11. Circulating Media:

a. 0' to 500' - Fresh water spud mud

b. 500' to 4000' - Fresh water

c. 4000' to 6750' - Fresh water low solid mud with the following properties: viscosity 32-37 sec., water loss 20-4 cc, weight 8.5-9.0 ppg.

12. Testing, Logging, and Coring Programs:

a. Formation testing may be done at any depth where samples, drilling rate or log information indicate a possible show of oil or gas.

b. Open hole logs will be run prior to running production casing at total depth.

c. Coring is not planned.

13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas: We do not anticipate abnormal pressure, temperature or hydrogen sulfide gas; however, remote control BOP as shown on drawing #2 will be installed.

14. Anticipated Starting Date: Drilling operations should begin February 1, 1980.

15. Other Facets of the Proposed Operation: None.

R. C. Anderson

R. C. Anderson
Area Production Manager

RLV:ctw

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

P. O. Box 670
Hobbs, NM 88240

January 18, 1980

Re: Surface Development Plan
Proposed Douthit "A" Federal #4
San Juan County, New Mexico

U. S. Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

Gentlemen:

The surface use and operations plan for the proposed Douthit "A" Federal #4 is as follows:

1. Existing Roads:

   A. Exhibit "A" is a portion of a general highway map showing the location of the proposed well as staked. Go south out of Bloomfield, New Mexico, approximately 13 miles on State Highway No. 44, turn southwest and go 1 mile. The proposed location is approximately 1000' north of the road.

   B. Exhibit "B" is a plat showing all existing roads within a one-mile radius of the wellsite, as well as the planned access road.

2. Planned Access Roads:

   A. Length and Width: The required new road will be 1000' long and 12' wide, constructed of graded surface material compacted and watered to a depth of 6". The new road will leave existing road and extend to the southwest corner of the drilling pad. This new road is labeled and color-coded red on Exhibits "A" and "B".

   B. Turnouts: None required

   C. Culverts: None required

   D. Cuts and Fills: No significant cuts or fills will be required in the road.

   E. Gates and Cattleguards: None required.

(continued)

3. Location of Existing Wells: There are a number of existing wells around the proposed location as shown on Exhibit "A".

4. Tank Batteries, Production Facilities and Lease Pipelines: There are no tank batteries, production facilities or lease pipelines on this lease operated or owned by Gulf Oil Corporation. If production is encountered, the tank battery and other required producing equipment will be located 200' south of the well. All producing lines will be constructed on the pad on top of the ground. Refer to Exhibit "D".

5. Water Supply: Drilling water will be hauled by trucks over existing roads.

6. Source of Construction Materials: The proposed roads and drilling pad will be constructed by leveling and compacting existing surface materials (mainly sand and clay). No outside materials will be hauled in for construction of roads or drilling 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 drilling pits until pits are dry.

   C. Water produced during tests will be disposed of in drilling pits. Oil produced during tests will be stored in test tanks until sold.

   D. Current laws and regulations pertaining to disposal of human waste will be complied with.

   E. Trash, waste paper, sacks, garbage and junk will be burned or buried in a separate 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 trash pit is shown on Exhibit "C".

   F. All trash and debris will be buried or removed from wellsite within 30 days after finishing drilling and/or completion operations.

8. Ancillary Facilities: None required

9. Wellsite Layout:

   A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pits, trash pits, and location of major rig components.

   B. Construction of drilling pad will require a cut of three feet on the west side, with the cut material being moved to the east side to be used as fill. A drainage ditch will be constructed to divert water run-off from west of location to the east side.

   C. The reserve pit will be on north side of pad.

   D. The wellsite has been staked.

(continued)

10. Plans for Restoration of 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 location cleaned of all trash and junk to leave wellsite in as aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until they are filled.

C. After abandonment, any special rehabilitation and/or revegetation requirements (reseed with seed mixture No. 2) will be complied with and accomplished as expeditiously as possible. All pits should be filled and levelled within 90 days after abandonment.

11. Other Information:

A. Topography: Location is in a gently sloping area.

B. Soil: Soil is sandy loam.

C. Flora and Fauna: The vegetative cover generally consists of sagebrush, blue gramma and galleta.

D. Ponds and Streams: There are no streams or ponds in the immediate area.

E. Residences and Other Structures: The nearest occupied structure is one mile east of the proposed location.

F. Land Use: Present land use is grazing.

G. Surface Ownership: Wellsite is on Federal Surface.

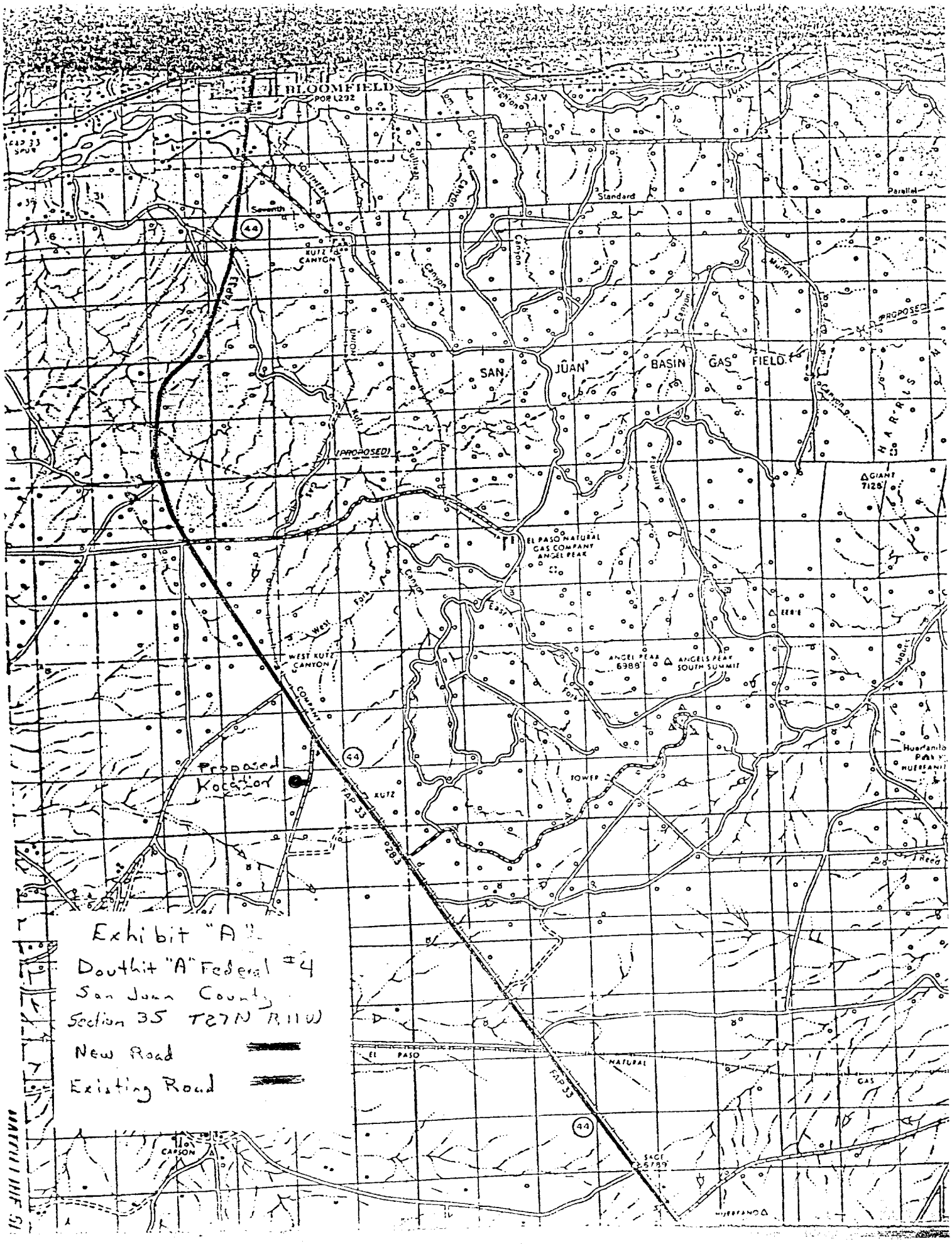
12. Operators Representative: Gulf Oil Exploration and Production Company
A Division of Gulf Oil Corporation
P.O. Box 670, Hobbs, New Mexico 88240
Telephone: (505) 393-4121
Area Production Manager: R. C. Anderson

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 Gulf Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

R. C. Anderson
Area Production Manager

RLV:ctw


BLOOMFIELD
POR L292
Standard
Parallel
KUTZ CANYON
SAN JUAN BASIN GAS FIELD
PROPOSED
EL PASO NATURAL GAS COMPANY ANGEL PEAK
GIANT 7128'
WEST KUTZ CANYON
ANGEL PEAK 6988'
ANGELS PEAK SOUTH SUMMIT
Proposed Location
FAP 33
0283
TOWER
EL PASO NATURAL GAS
SAGE
Exhibit "A"
Douthit "A" Federal #4
San Juan County
Section 35 T27N R11W
New Road
Existing Road

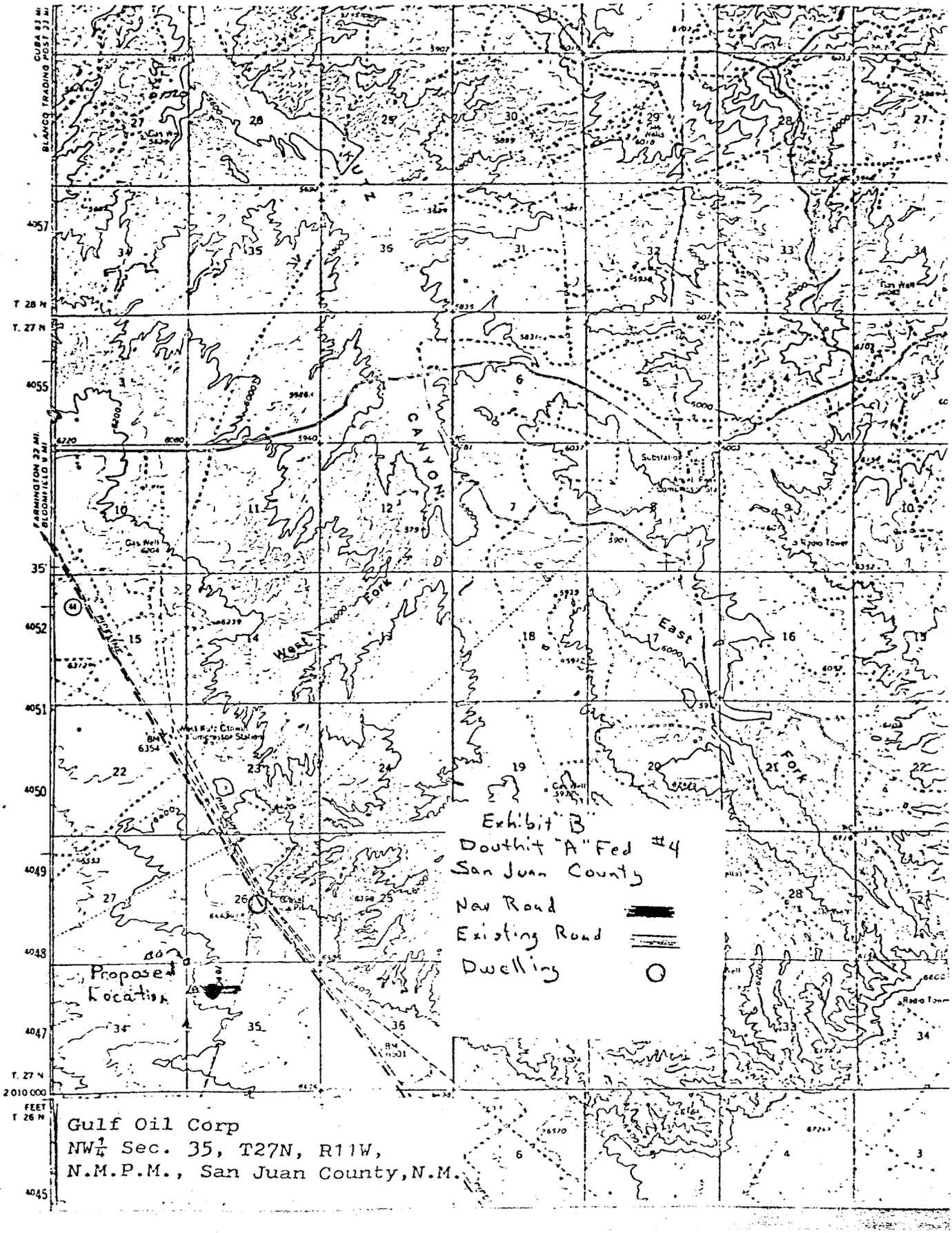


Exhibit B
Douthit "A" Fed #4
San Juan County
New Road
Existing Road
Dwelling
Proposed Location
CANYON
West Fork
East Fork
FARMINGTON 22 MI.
BLOOMFIELD 9 MI.
BLANCO TRADING POST 23 MI.
T. 28 N.
T. 27 N.
T. 26 N.
2 010 000 FEET
Gulf Oil Corp
NW¼ Sec. 35, T27N, R11W,
N.M.P.M., San Juan County, N.M.

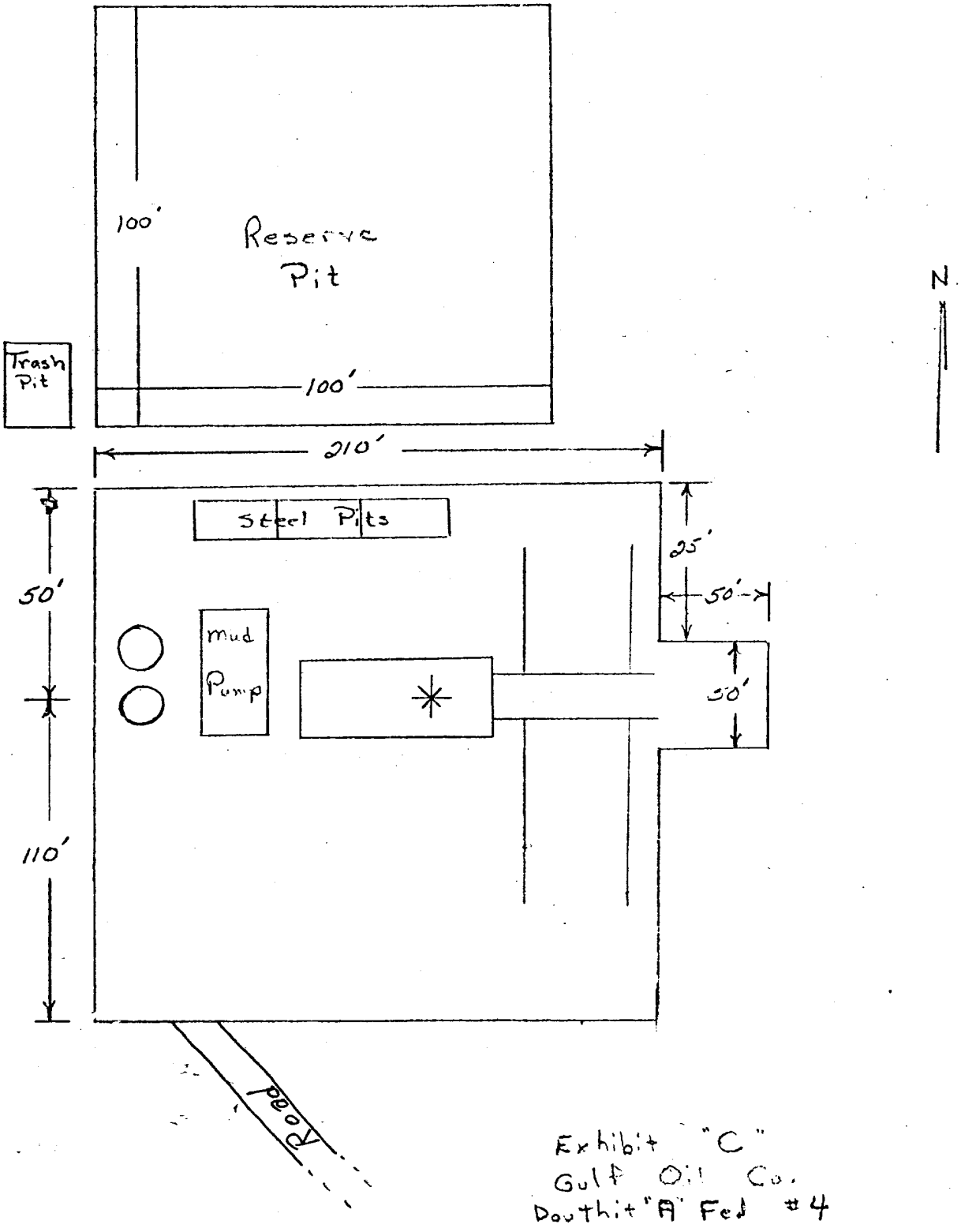
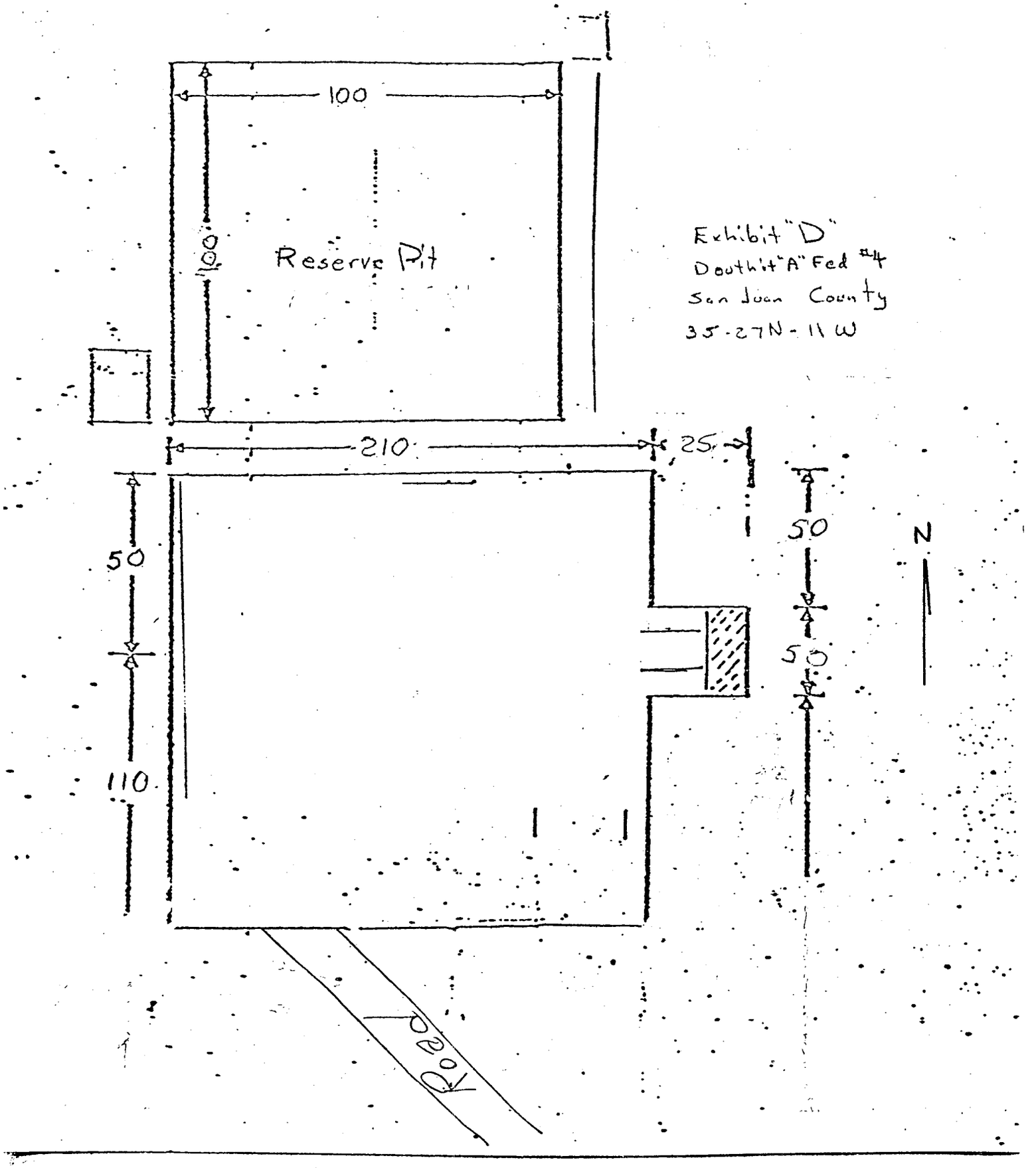


Exhibit "C"
Gulf Oil Co.
Douthit "A" Fed #4
Drilling Pad


100
100
Reserve Pit
Exhibit "D"
Douthit "A" Fed #4
San Juan County
35-27N-11W
210
25
50
50
50
110
N
Road