

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-21487
5. LEASE DESIGNATION AND SERIAL NO.

Contract 403

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 403

9. WELL NO.

1 (I-17)

10. FIELD AND POOL, OR WILDCAT

Puerto Chiquito

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 17, T27N R1W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

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

BENSON-MONTIN-GREER DRILLING CORP.

3. ADDRESS OF OPERATOR

221 Petroleum Center Building, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface:

1900' FSL, 620' FEL, Sec. 17, T27N R1W

At proposed prod. zone

SAME

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

Approx. 20 North Lindrith on State Highway 95.

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

16. NO. OF ACRES IN LEASE

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

7650'

20. ROTARY OR CABLE TOOLS

Rotary

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

7537' ground level

22. APPROX. DATE WORK WILL START*

August 15, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10 3/4"	40.5#	300'	400 sacks, circulated
8 3/4"	7"	23#	6500'	300 sacks
6 1/4"	5" (liner)	15#	7650'-6200'	150 sacks

If commercial production is indicated, the producing section will be sand-oil fractured.



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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

TITLE

Engineer

DATE July 28, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator BENSON-MONTIN-GREER DRILLING CORP.			Lease JICARILLA 403		Well No 1 (I-17)
Unit Letter I	Section 17	Township 27 NORTH	Range 1 WEST	County RIO ARriba COUNTY	
Actual Footage Location of Well: 1900 feet from the SOUTH line and 620 feet from the EAST line					
Ground Level Elev. 7537	Producing Formation Neobrera	Pool Puerto Chiquito		Dedicated Acreage: 160 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 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.

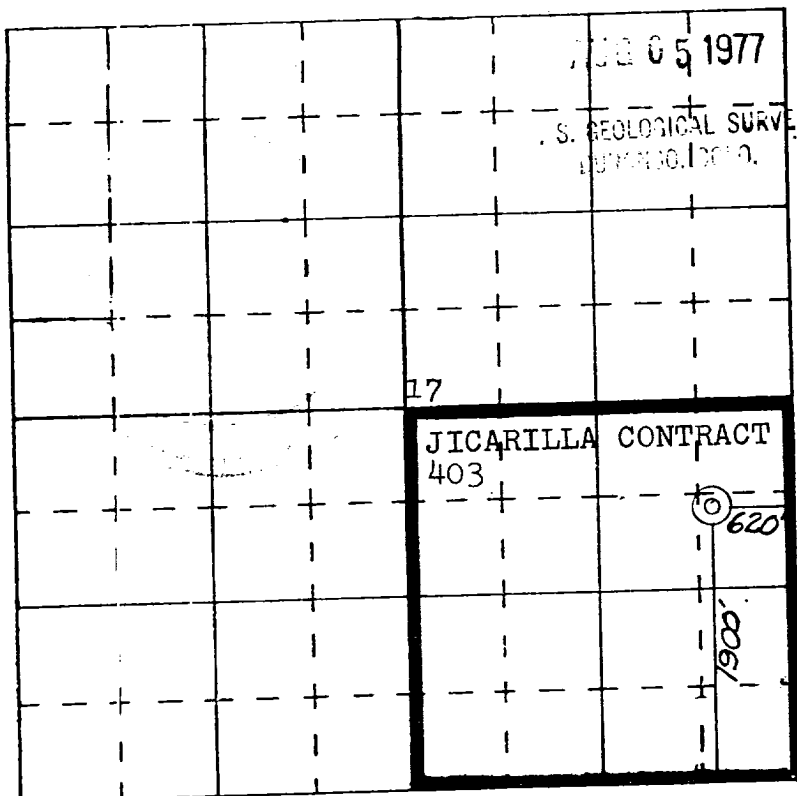
Virgil L. Stoabs
 Name
Virgil L. Stoabs
 Position
Engineer
 Company

Benson-Montin-Greer Drilling Corp.

Date
July 29, 1977

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.

9 July 1977
 Date Surveyed
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor **James P. Leese**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

1463
 Certificate No.

BENSON-MONTIN-GREER DRILLING CORP.

**221 PETROLEUM CENTER BUILDING
FARMINGTON, NEW MEXICO 87401
PHONE: 325-8874**

**ATTACHMENT TO APPLICATION FOR PERMIT TO DRILL
JICARILLA 403 #1 (I-17)**

1. The geologic name of the surface formation is Animas.
2. The estimated tops of important geologic markers:
Lewis @ 3,260'
Mesa Verde @ 5380'
Mancos @ 5980'
Gallup @ 6810'
Niobrara "A" @ 6890'
3. The estimated depth at which anticipated water, oil, gas or other mineral-bearing formation is expected to be encountered is Niobrara "A" @ 6890'.
4. The proposed casing program will be:

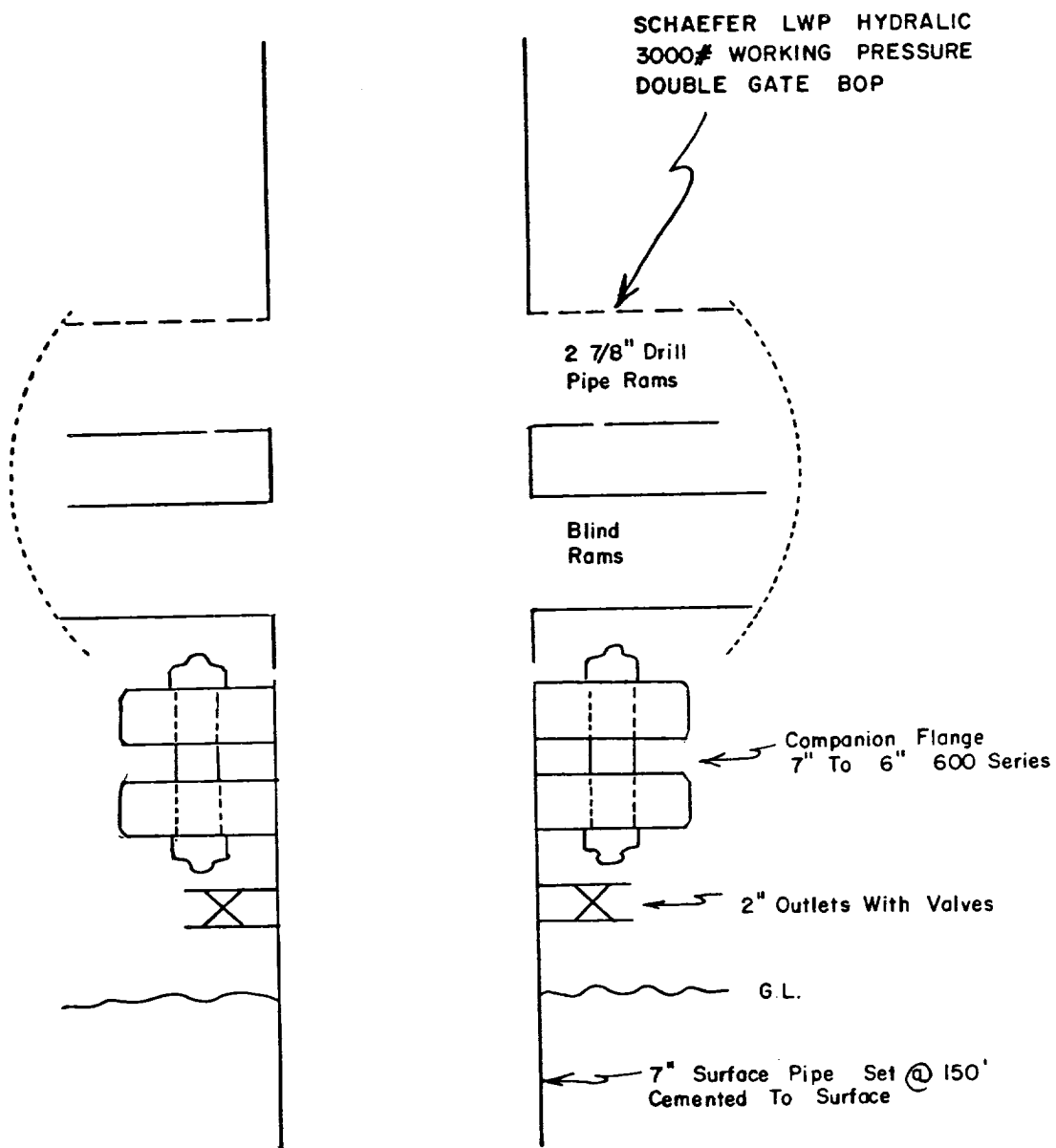
10 3/4"	K-55	40.5# @ 300'
7"	K-55	23# @ 6500'
5"	K-55	15# @ 7650' to 6200'
5. Operator's minimum specifications for pressure control includes Schafer model LWP double hydraulic blowout preventer. See attached schematic diagram. Testing procedures will include opening and closing both sets of rams every tower plus pressure tests.
6. The type and characteristics of the proposed circulating medium to be employed is a water-gel type mud with a viscosity of 35 to 40 centipoises and density of 9 to 10# per gallon. Adequate supply of mud, water and weighting material will be maintained on location in the event it is required.
7. Auxiliary equipment to be used includes:
 - a. Kelly cocks or valve arrangements for surface control of flow inside drill pipe.
 - b. Float at the bit to eliminate the flow up the drill pipe.
 - c. Monitoring of the mud system will be by crew members at regular intervals.
 - d. Operator will have a sub on the floor with a full opening valve to be stabbed into drill pipe when the Kelly is not in the string.

APR 6 5 1977

BENSON-MONTIN-GREER DRILLING CORP.

ATTACHMENT TO APPLICATION FOR PERMIT TO DRILL
JICARILLA 403 #1 (I-17)

8. No drill stem testing is proposed - Dual induction - laterlog will be run before 5" liner casing is set - no coring program is anticipated.
9. Operator does not anticipate abnormal pressures or temperature and there is no potential hazard of hydrogen sulfide gas.
10. The anticipated starting date is mid-August, 1977, with an estimated 30-45 days for completion.



JICARILLA 403 #1 (I-17)
SCHEMATIC DIAGRAM FOR
PRESSURE CONTROL EQUIPMENT

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BENSON-MONTIN-GREER DRILLING CORP.

DEVELOPMENT PLAN FOR SURFACE USE

JICARILLA 403 #1 (I-17)
 NE/4SE/4 SEC. 17, T27N R1W
 RIO ARriba COUNTY, NEW MEXICO
 CONTRACT 403

1. Existing Roads

- A. See attached map entitled "Existing Roads".
- B. East from Farmington, New Mexico on U.S. Highway 64 approximately 70 miles to Junction with State Highway 537; south on 537 approximately 10 miles to Junction with Jicarilla J-16 (Stinking Lake Road); east on Jicarilla J-16 approximately 10 miles to Junction with State Highway 95; south on 95 approximately 6 miles; left turn 1/2 mile to location.
- C. See attached map entitled "Existing Roads".
- D. Not applicable.
- E. See attached map entitled "Existing Roads".
- F. Roads will be maintained and the access roads will be re-established to pre-drilling condition.

2. Planned Access Roads

- A. Width of access roads will be 20 feet.
- B. Maximum grades will be less than 6%.
- C. There will be no turnout on access roads.
- D. Drainage designs will be by crowning center line of road and draining into bar ditches.
- E. There will be no culverts installed nor will there be any major cuts or fills.
- F. Surfacing material will be native soil.
- G. No gates, cattle guards or fence cuts will be involved.

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DEVELOPMENT PLAN FOR SURFACE USE
 JICARILLA 403 #1 (I-17)

3. Location of Existing Wells

- A. All wells in the area are shown on the "Location of Existing Wells" plat attached hereto.

4. Location of Existing and/or Proposed Facilities

- A. Existing facilities within 1-mile radius of location are shown on the plat "Location of and/or Proposed Facilities".
- B. Contemplated facilities in the event of production are also shown.
- C. Rehabilitation of disturbed areas, no longer needed for operations after construction is completed, includes reseeding in accordance with Jicarilla Tribe recommended procedures.

5. Location and Type of Water Supply

- A. Water supply for drilling operations will be Stinking Lake, approximately 7 miles northeast of well site location.
- B. Water will be trucked to the well site location.
- C. A water well will not be drilled.

6. Source of Construction Materials

- A. No construction materials will be required for access road and location.

7. Methods for Handling Waste Disposal

- 1. Drill cuttings will be contained and disposed of in the reserve pit.

BENSON-MONTIN-GREER DRILLING CORP.

DEVELOPMENT PLAN FOR SURFACE USE
JICARILLA 403 #1 (I-17)

2. Drilling fluids will be contained and disposed of in the reserve pit.
3. It is not expected that there will be any produced fluids.
4. Sewage will be disposed of in earthen pits by chemical process.
5. Garbage and other excess material will be contained in a trash pit, fenced with small mesh wire to prevent wind scattering and will be burned or buried; in the event of burning there will be a minimum of twenty-four inches cover.
6. When drilling is completed and rig is moved out, location will be cleaned of all machinery and material.

8. Ancillary Facilities

- A. No ancillary facilities will be required on this location.

9. Well Site Layout

- A. See attached plat "Well Site Layout".
- B. See attached plat "Well Site Layout".
- C. See attached plat "Well Site Layout".
- D. Pits used during drilling operations will be unlined.

10. Plans for Restoration of Surface

- A. Following are plans for restoration program.
 1. Pits and other excavations will be backfilled and leveled with contouring as required to prevent erosion. Waste disposal and segregation will be conducted according to Jicarilla Tribe recommendations.

BENSON-MONTIN-GREER DRILLING CORP.

DEVELOPMENT PLAN FOR SURFACE USE
 JICARILLA 403 #1 (I-17)

2. Revegetation and rehabilitation will be conducted according to Jicarilla Tribe recommendations.
3. Pits will be fenced and maintained until cleanup.
4. Any oil on pits will be removed or overhead flagging installed.
5. Timetable for commencement and completion of rehabilitation operations will be at the earliest time the pits can be worked without danger of over-flowing drilling fluids into natural drainage.

11. Other Information

A. Following is a general description of other information.

1. Topography of the area is rocky ridges with clay type soil. Geological features include outcrops and structural features. Flora and fauna include desert flowers, sage brush, native grasses, deer, elk, and small desert animals in the area.
2. Other surface use activities include grazing of cattle and horses with the surface ownership by the Jicarilla Tribe.
3. Water in the area is Stinking Lake located approximately 7 miles northeast of proposed location and drainage (dry washes) streams. There are no occupied dwellings in the proximity of the well site. There are no known archaeological, historical or cultural sites in the area of the well site.

12. Lessee's or Operator's Representative

Virgil L. Stoabs
221 Petroleum Center Building
Farmington, NM 87401
505-325-8874
505-325-9772 residence

Albert R. Greer
221 Petroleum Center Building
Farmington, NM 87401
505-325-8874
505-325-2674 residence

BENSON-MONTIN-GREER DRILLING CORP.

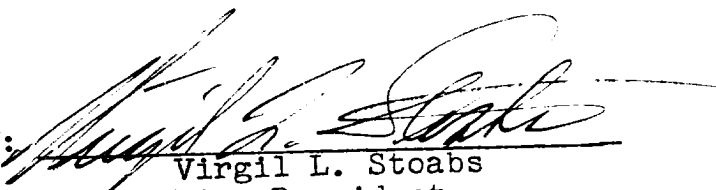
DEVELOPMENT PLAN FOR SURFACE USE
JICARILLA 403 #1 (I-17)

13. Certification

The above statements and representations are true and correct to the best of my belief and knowledge. The operations will be conducted in a manner that will comply with the Jicarilla Tribe and United States Geological Survey rules and regulations, recommendations, advice and requirements.

BENSON-MONTIN-GREER DRILLING CORP.

BY:


Virgil L. Stoabs
Vice-President

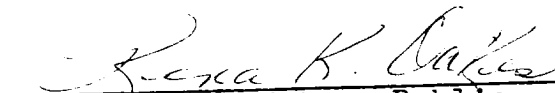
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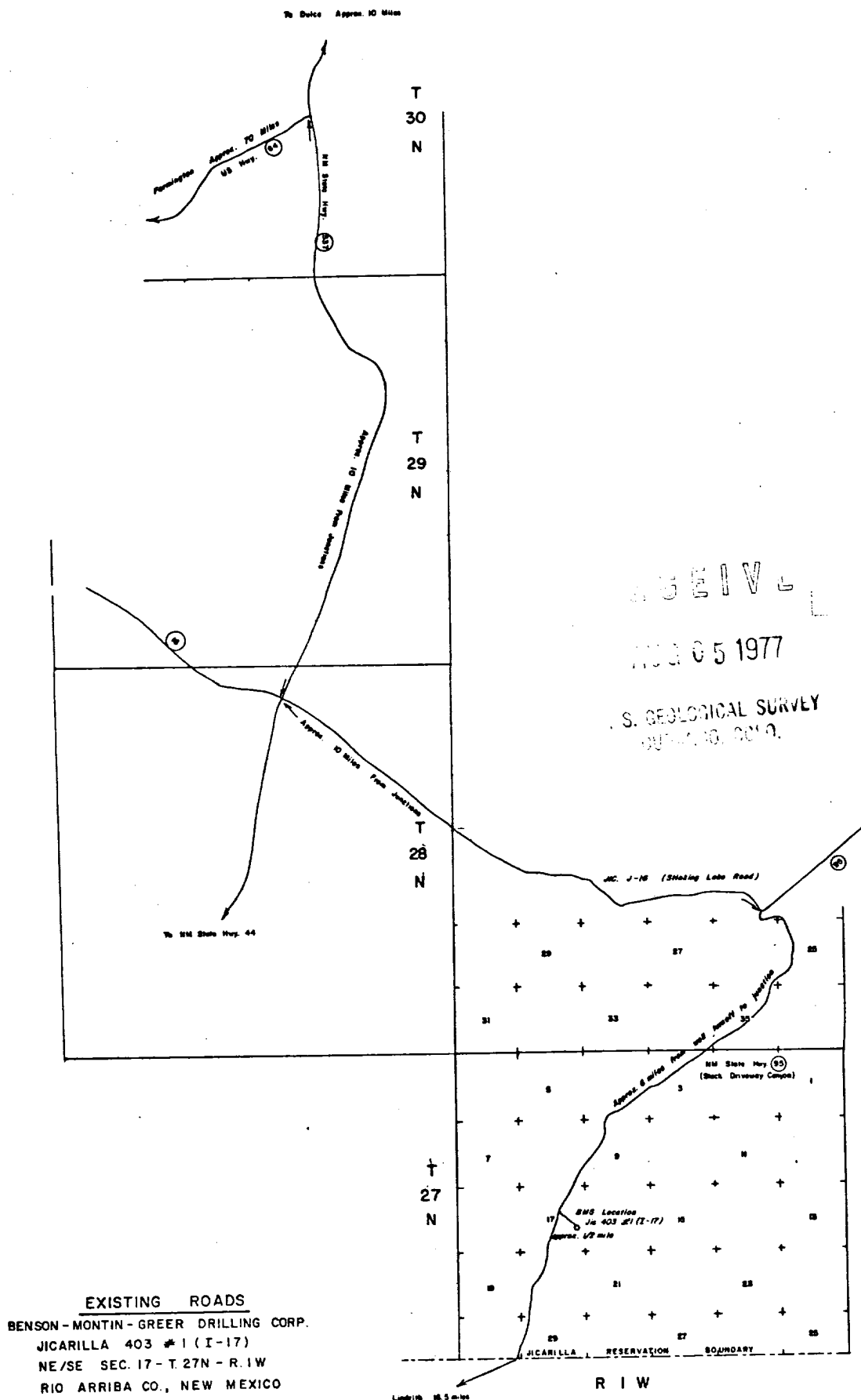
STATE OF NEW MEXICO }
COUNTY OF SAN JUAN }

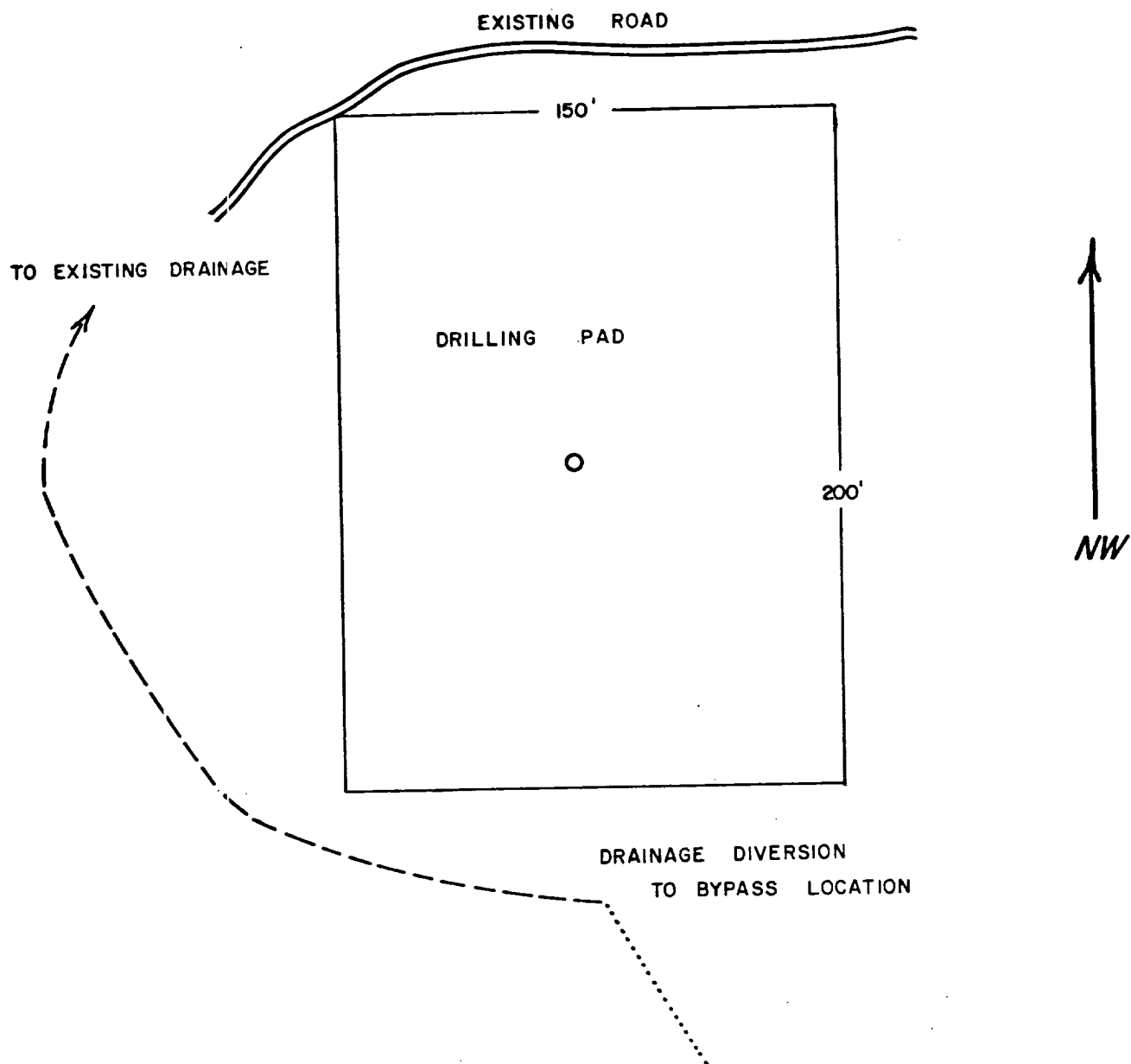
ss.

On this 29th day of July, 1977, before me personally appeared Virgil L. Stoabs, known to me to be the Vice-President of the corporation that is described in and that executed the within instrument, and acknowledged to me that such corporation executed the same.

Witness my hand and official seal.
My commission expires: 2/7/78


Notary Public





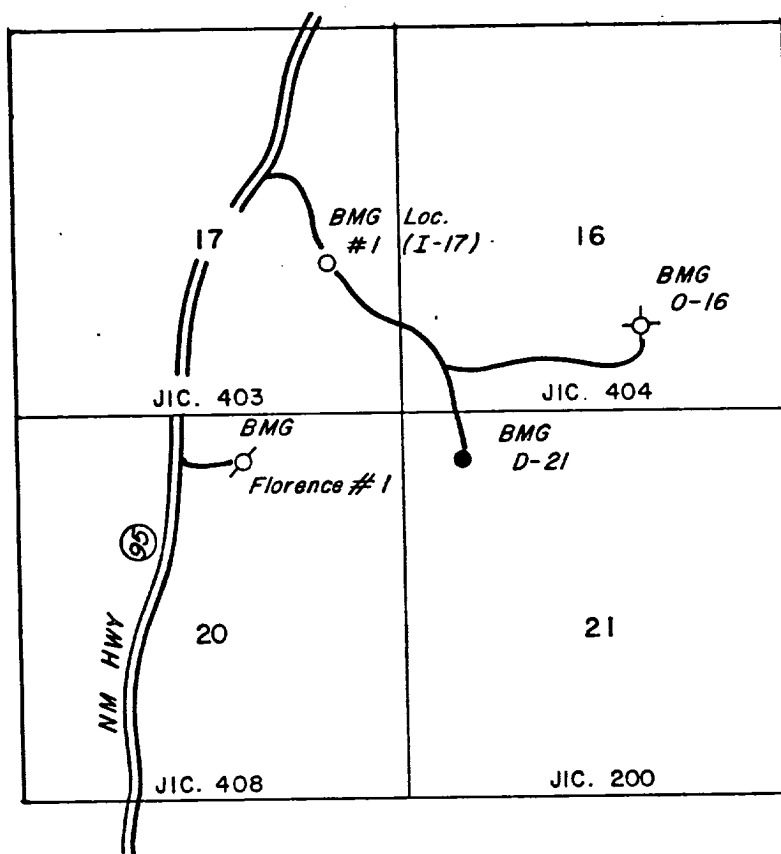
NO ACCESS ROAD REQUIRED —
EXISTING ROAD TO DRILLING PAD
JICARILLA 403 # 1 (I-17)

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WATER RESOURCES DIVISION

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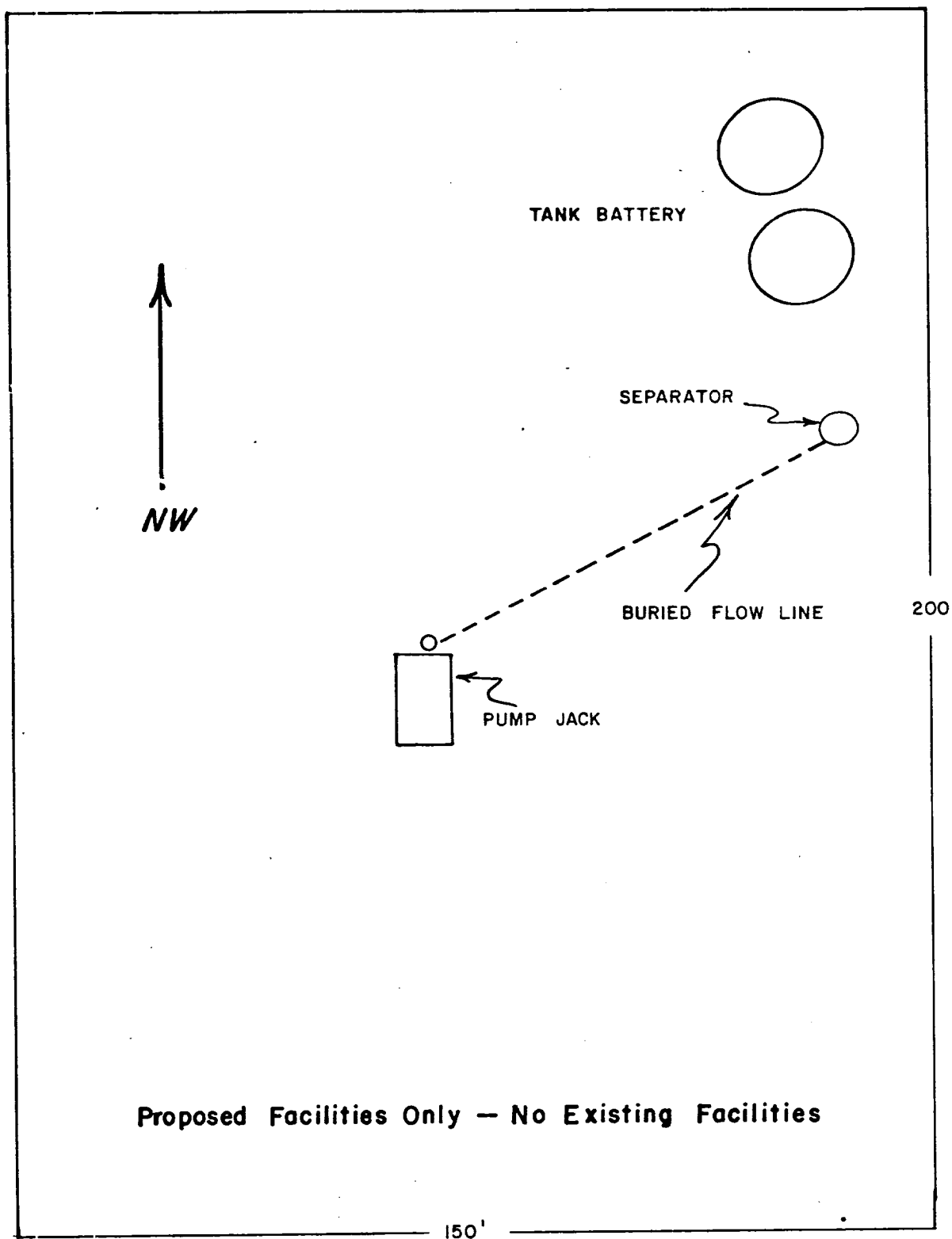
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LOCATION OF EXISTING WELLS
FOR
BENSON-MONTIN-GREER DRLG. CORP.
JICARILLA 403 #1 (I-17)

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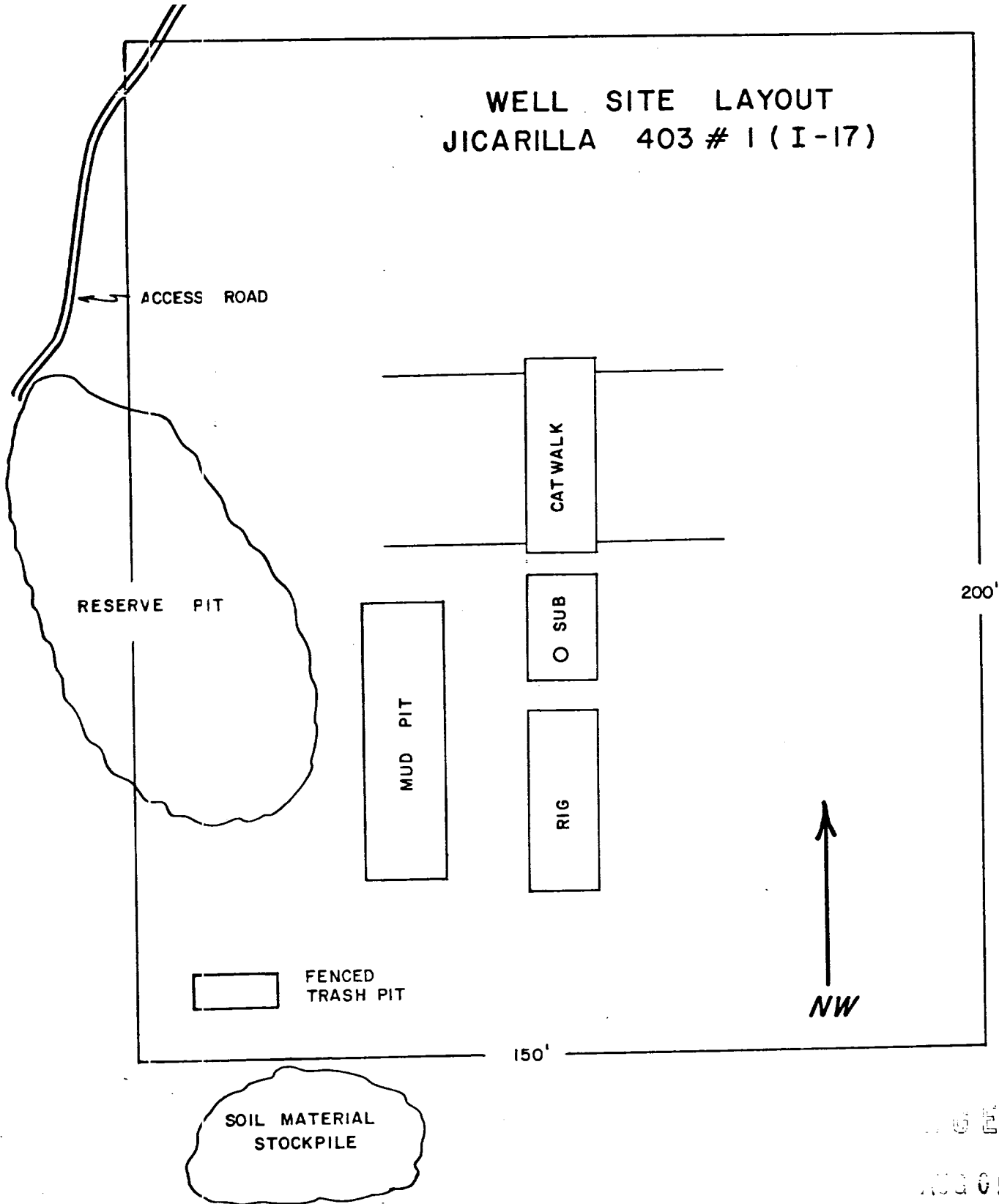


LOCATION OF EXISTING AND/OR PROPOSED FACILITIES
 FOR
 JICARILLA 403 #1 (I-17)

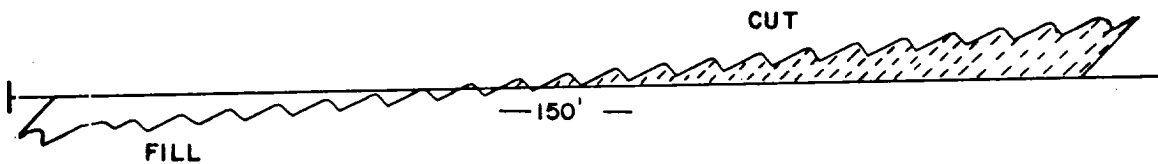
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WELL SITE LAYOUT JICARILLA 403 # 1 (I-17)



E-W Cross Section Of Drill Pad



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