

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20368

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

5. LEASE DESIGNATION AND SERIAL NO.
 NM - 7773
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME

2. NAME OF OPERATOR
 Benson Mineral Group, Inc.

9. WELL NO.
 1

3. ADDRESS OF OPERATOR
 3200 Anaconda Tower, 555 17th St., Denver, CO 80202

10. FIELD AND POOL, OR WILDCAT
 Wildcat Pictured Cliffs

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 945' FSL & 810' FWL Section 23-T21N-R5W
 At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 23-T21N-R5W SW SW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 2 1/2 miles southeast of Counselor, New Mexico

12. COUNTY OR PARISH 13. STATE
 Sandoval N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 810'

16. NO. OF ACRES IN LEASE
 2080

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.
 None

19. PROPOSED DEPTH
 1750

20. ROTARY OR CABLE TOOLS
 Rotary

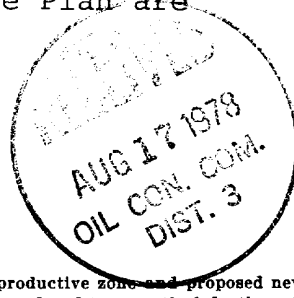
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7204 GR

22. APPROX. DATE WORK WILL START*
 As soon as permitted

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-5/8	7" used	23	100	50 sx. circ.
6 1/4	4 1/2" new	9.5	1750	185 sx. circ.

The above well is being drilled to evaluate the Pictured Cliffs formation. Completion intervals and stimulation program will be determined from the study of logs. This acreage is not dedicated to a gas purchaser. Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.



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 Paul C. Ellison TITLE Production Manager DATE August 10, 1978
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:



AUG 14 1978

Frank

*See Instructions On Reverse Side
st

U. S. GEOLOGICAL SURVEY
 DURANGO, COLO.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-124
Effective 1-1-65

All distances must be from the outer boundaries of the Section

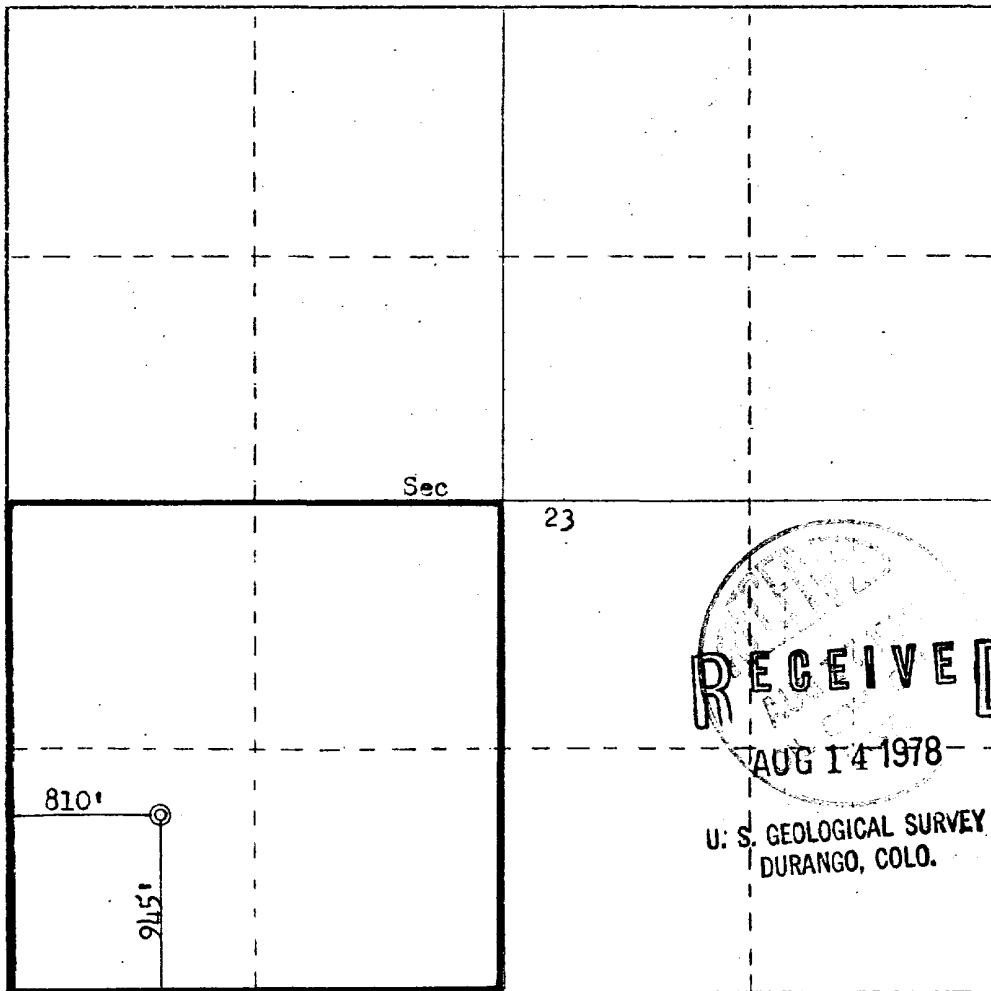
Operator BENSON MINERAL GROUP, INC.			Lease FEDERAL 23-21-5		Well No. 1
Unit Letter M	Section 23	Township 21N	Range 5W	County Sandoval	
Actual Footage Location of Well:					
945	feet from the South	Line and	810	feet from the West	Line
Ground Level Elev. 7204	Producing Formation Pictured Cliffs	Pool Undesignated Well Cat	Dedicated Acreage 160 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 Commission.



CERTIFICATION

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

Paul C. Ellison
Name

Paul C. Ellison
Position

Production Manager
Company

Benson Mineral Group, Inc.

Date

August 10, 1978

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

August 8, 1978

Registered Professional Surveyor and one of the State of New Mexico

Fred B. Kerr Jr.
Fred B. Kerr Jr.
Certified Professional Surveyor

3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SUPPLEMENTAL INFORMATION TO FORM 9-331C
REQUIRED BY NTL-6

Federal 23-21-5 Well #1
945' FSL & 810' FWL Section 23-T21N-R5W
Sandoval County, New Mexico

The geologic name of the surface formation is: Tertiary San Jose

The estimated tops of important geological formations bearing hydrocarbons to be drilled are:

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>
Pictured Cliffs	1520	+5690
Total Depth	1750	

Estimated K.B. elevation: 7210

<u>Estimated Depth</u>	<u>Casing Size</u>	<u>Casing Weight</u>	<u>Hole Size</u>	<u>Sacks Cement</u>	<u>Type</u>
100	7" Used	23	9 5/8"	50	Class "B" 2% CaCl ₂
1750	4½" New	9.5	6¼"	50 135	Class "B" Class "B" 50-50 Poz mix, 6% gel with ¼# Celloflake/sack

Benson Mineral Group Inc.'s standard blowout prevention will be employed, see the attached drawing of the preventor design.

Drilling fluid to be a low solids non-dispersed mud system.

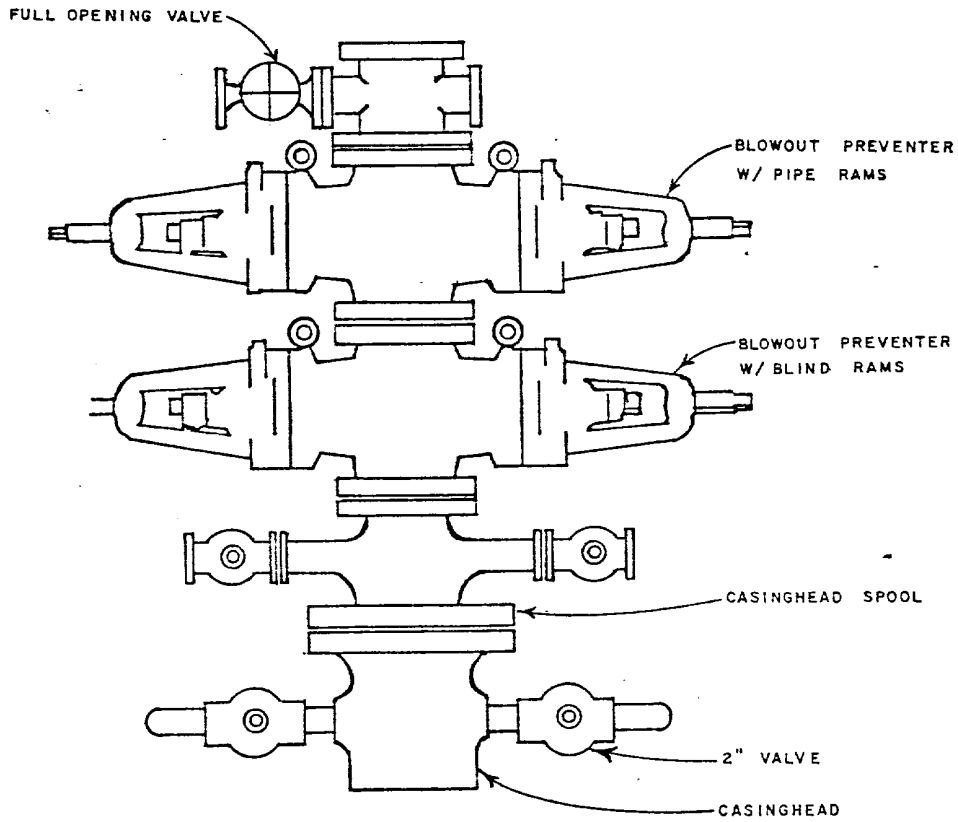
The logging program will be as follows: Induction-Electric and Compensated Density-Gamma Ray from surface casing point to total depth.

Past experience in this area has shown that no abnormal pressures, temperatures, or hydrogen sulfide gas will be encountered.

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**BENSON
MINERAL
GROUP, INC.**

3200 Anaconda Tower
555 17th Street
Denver, Colorado 80202

STANDARD BLOWOUT PREVENTER
ASSEMBLY
6" 900 SERIES

GEOLOGY BY:	DATE:	POSTED:	APPROVED BY:	DRAFTING BY: GWR
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MULTI-POINT SURFACE USE PLAN

Federal 23-21-5 Well #1
945' FSL & 810' FWL Section 23-T21N-R5W
Sandoval County, New Mexico

1. The attached road map and sketch show the proposed route to the location and distances from towns.
2. An access road of 50 feet will be constructed as a new permanent road to location.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
4. There are no storage tanks or facilities located within a one-mile radius of our proposed location.
5. Water will be hauled by truck from various existing private water sources over existing permanent roads.
6. No construction materials will be hauled in for this location. Material from high points on location will be used to level location for proper drilling.
7. A 20' X 120' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be hauled by truck and bladed into existing roads. All other waste will be covered in 20' X 120' reserve pit.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Upon completion the reserve pit will be fenced and the drilling mud allowed to dry. The pits will then be back filled and seeded. Reseeding of the site will be carried out as detailed by the Surface Management Agency at the site examination.
11. The general topography and soil characteristics consist of fairly level terrain with vegetation of sagebrush and a few small piñon trees.

Representatives of the U.S. Geological Survey's Durango Office and Bureau of Land Management's Farmington Office will inspect the site. Cultural resources inspection will be conducted by an archaeologist from San Juan College or Salmon Ruins.

12. A Certification Statement by Benson Mineral Group, Inc.'s Representative is included.

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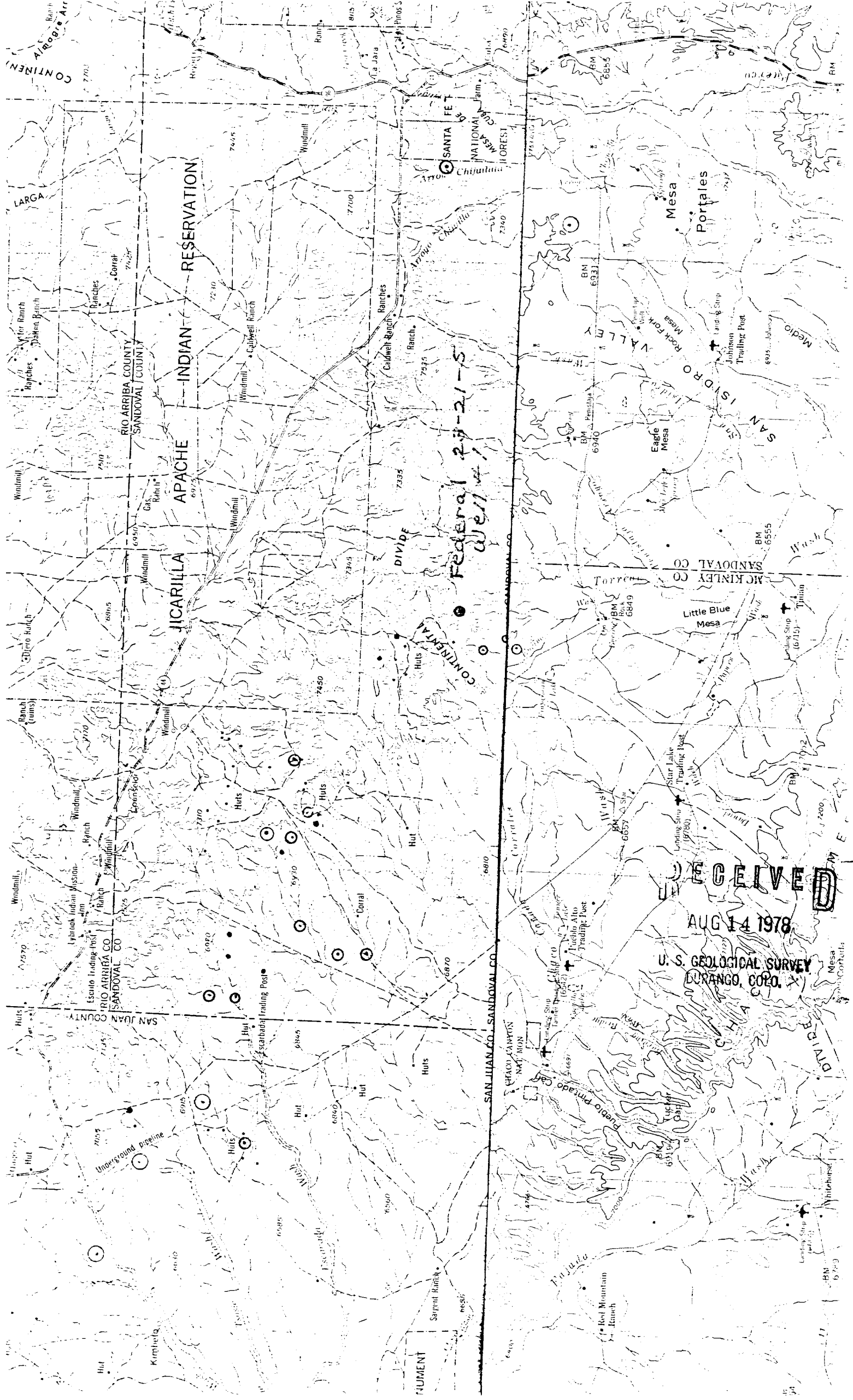


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Vicinity Map for
 BENSON MINERAL GROUP, INC. #1 FEDERAL 23
 945' FSL 810' FWL Sec 23-T21N-R5W
 SANDOVAL COUNTY, NEW MEXICO

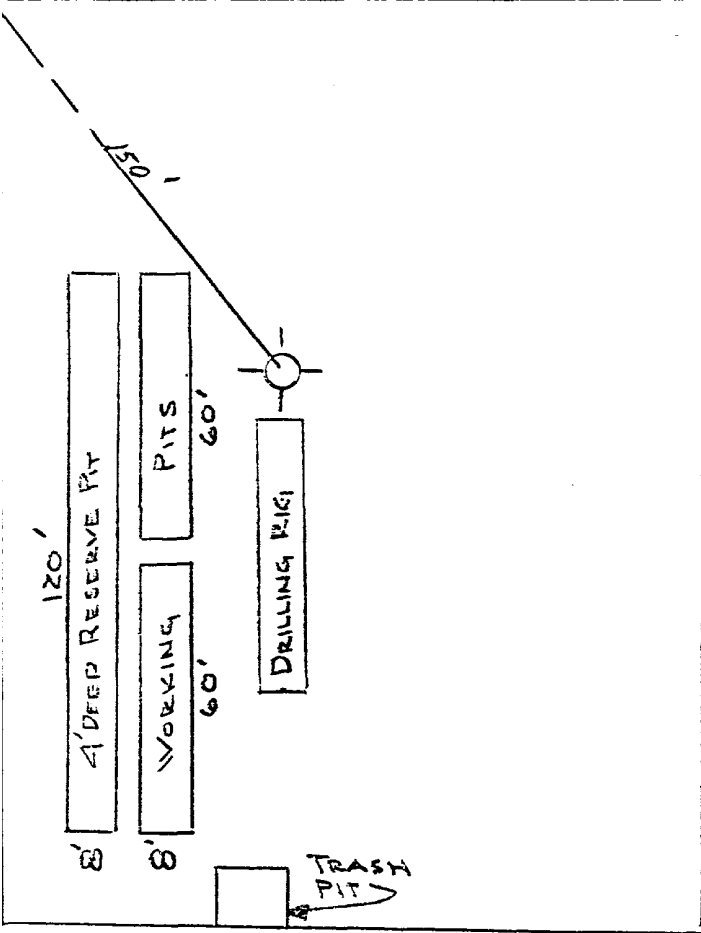
Topographical Survey
 288
 289





Federal 29-21-S

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PROPOSED LOCATION
DIAGRAM

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Federal 23-21-5 Well #1
945' FSL & 810' FWL Section 23-T21N-R5W
Sandoval County, New Mexico

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 BENSON MINERAL GROUP, INC. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

August 10, 1978

Date



Paul C. Ellison

Production Manager

Benson Mineral Group Inc.'s Representative:

Paul C. Ellison

Phone: Office: 303-893-0883; Home: 303-979-9021

Address: 3200 Anaconda Tower
555 17th Street
Denver, Colorado 80202

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