PERMIT NO.

APPROVED BY _

CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

- 043-20367

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DEPARTMENT	OF	THE	INTE	RIOR

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purchaser. Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.	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 appli-
ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give no eventer program, if any	in the second
Production Manager August 10	proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give program, if any

*See Instructions On Reverse Side

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LAR CONTRACTOR SURVEY

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DATE __

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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Hom. C-15? Supersedes C-128 Effective 4-1-15

All distances must be from the outer boundaries of the Section West 13st. aurator FEDERAL 15 -BENSON MINERAL GROUP, Sandoval 21N Actual Fostage Eccution of Weil: fret from the South Dedicated Acres jes Producing Formation Ground Level Elev. 320 **Undesignated** Dakota 7165 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? If answer is "yes," type of consolidation ._ Yes ¬ .No 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 wledge and belief. Paul C. Ellison Production Manager Benson Mineral Group, Inc. August 10, 1978 15 I hereby certify that the well location PEREINED shown on this plat was plotted from field under my supervision, and that the same is true and correct to the best of my knowledge and belief. 1160'

1980 2310

26.40

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

Federal 15-21-2 Well #1 1090' FSL & 1160' FEL Section 15-T21N-R2W 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:

Formation	Depth	Elevation
Pictured Cliffs	1700	+5471
Mesaverde	3320	+3851
Gallup	4945	+2226
Greenhorn	6040	+1131
Dakota	6310	+ 861
Total Depth Estimated K.B. elevation:	6400 7171	

Estimated Depth	<u>Casing</u> <u>Size</u>	Casing Weight	Hole Size	Sacks Cement	Type
100	7" Used	23	9 5/8"	50	Class "B" 2% CaCl ₂
6400	4½" New	9.5	6¼"	50 590	Class "B" Class "B" 50-50 Poz mix, 6% gel with ½# Celloflake/sack

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

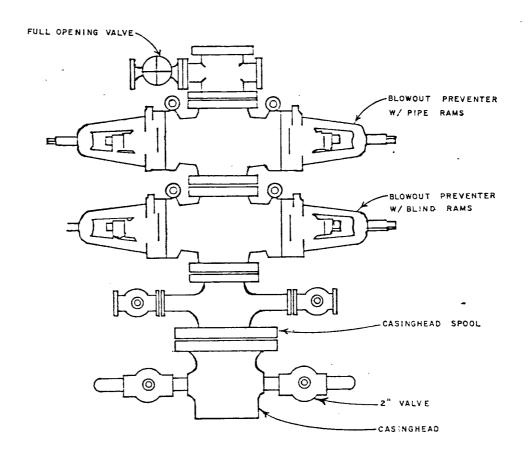
Drilling fluid to be a low solids non-dispersed mud system.

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.



U. S. GEOLOGICAL SURVEY



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BENSON MINERAL GROUP, INC.	3200 Anaconda Tower 555 17th Street Denver, Colorado 80202
STANDARD BLOW	OUT PREVENTER
ASSE.	MBLY
6" эоо	SERIES
GEDLOGY BY: CATE: POSTE	D. APPROVED BY: SPAFTING BY: G W R

MULTI-POINT SURFACE USE PLAN

Federal 15-21-2 Well #1 1090' FSL & 1160' FEL Section 15-T21N-R2W 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 150' x 150'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 150' x 150'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 pinion trees.

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

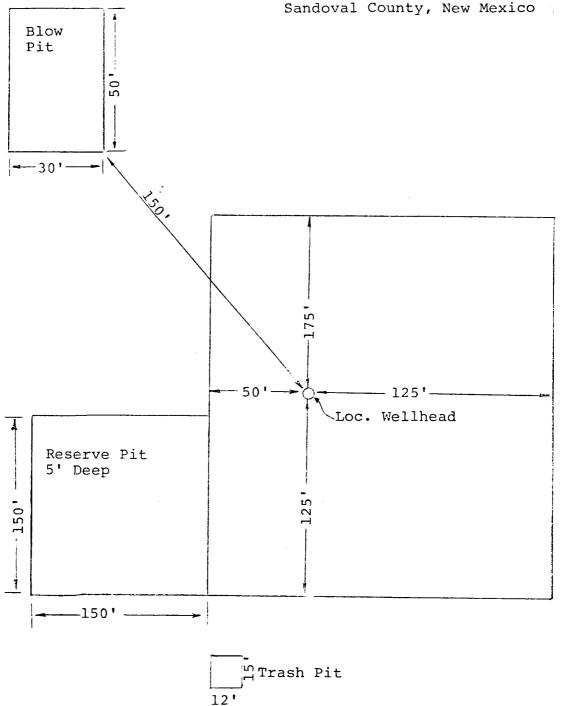
12. A Certification Statement by Benson Mineral Group, Inc.'s Representative is included.

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BENSON MINERAL GROUP, INC. Drilling Location Specs.

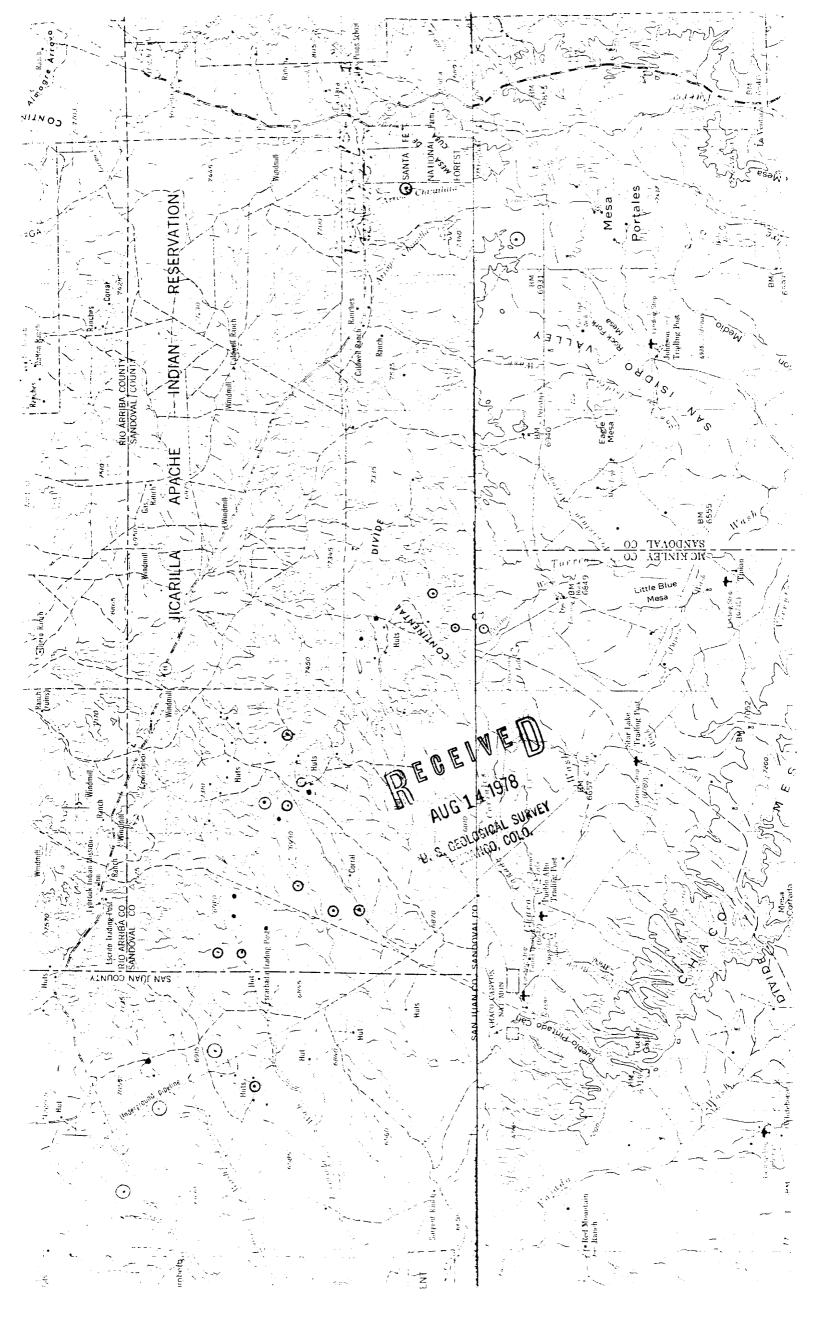
Federal 15-21-2 Well #1 1090FSL & 1160FEL Sec. 15-T21N-R2W Sandoval County, New Mexico

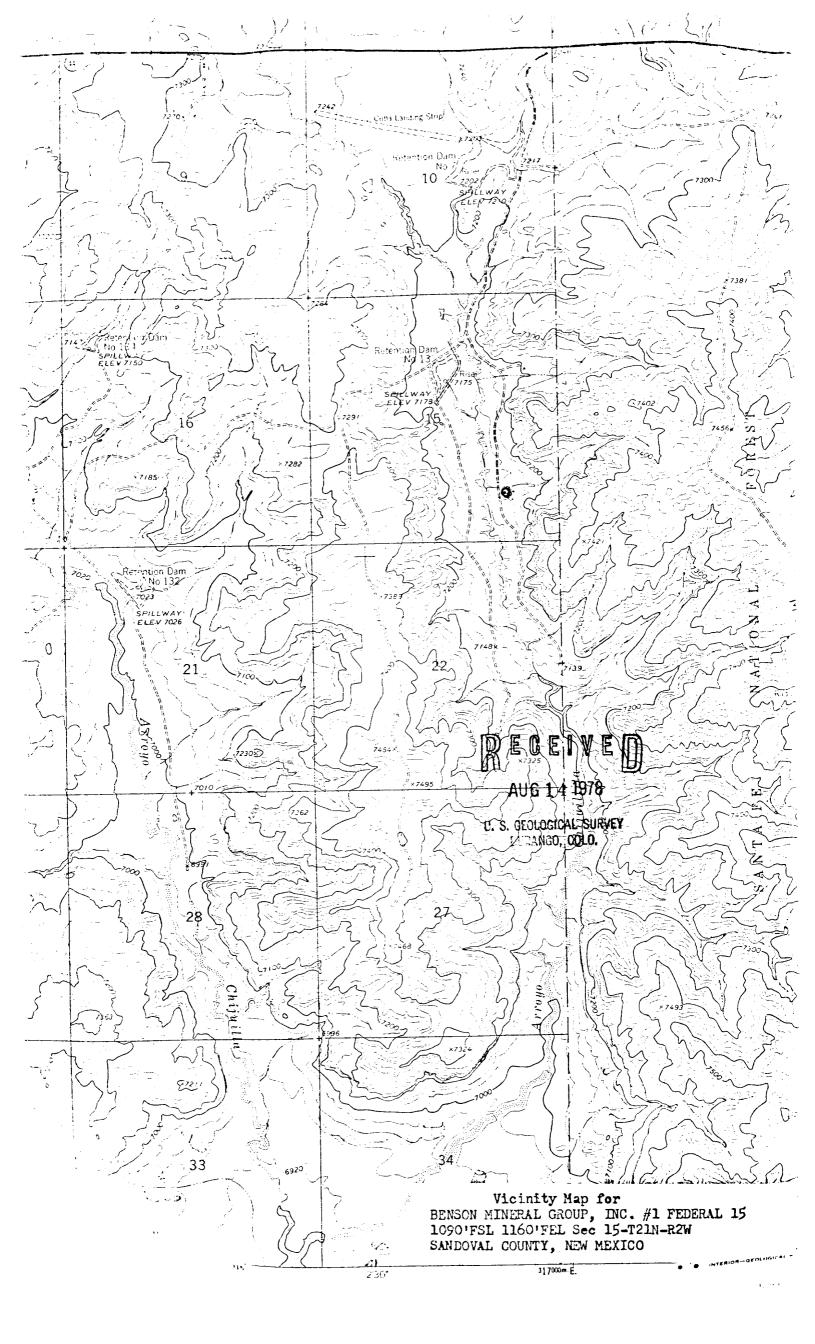


Approximately 1.2 Acres



L'. S. GEOLOGICAL SURVEY





Federal 15-21-2 Well #1 1090' FSL & 1160' FEL Section 15-T21N-R2W 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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C. S. GEOLOGICAL SURVEY