Form approved. Budget Bureau No. 42-R1425.

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

**GEOLOGICAL SURVEY** 

5. LEASE DESIGNATION AND SERIAL NO.

NM 7009
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATIO	N FOR PERMIT	TO DRILL,	DEEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK	RILL 🔀	DEEPEN		PLUG BAG	CK 🗆	7. UNIT AGREEMENT NAME
b. TYPE OF WELL			_			
WELL	WELL OTHER		SING ZON		re	8. FARM OR LEASE NAME
2. NAME OF OPERATOR						Federal 4-21-7
Benson Mine	ral Group, I	nc.				9. WELL NO.
						1
4. LOCATION OF WELL (	da Tower, 55 Report location clearly a	5 17th St.	, Der	ver, CO 802	02	10. FIELD AND POOL, OR WILDCAT
ALC SUITACC	870' FEL, S			requirements.		Wildcat / C 41ed() / 7 11. SEC., T., R., M., OR BLK.
At proposed prod. zo		ec. 4-TZIN	-R/W		.5	AND SURVEY OR AREA
				•		Sec. 4-T21N-R7W
14. DISTANCE IN MILES	AND DIRECTION FROM N	EAREST TOWN OR POS	T OFFICE*			SE½ 12. COUNTY OR PARISH   13. STATE
2 miles sou	thwest of Co	unselor, N	ew Me	xico		Sandoval N.M.
LOCATION TO NEARES	POSED*		16. NO.	OF ACRES IN LEASE	17. NO. C	OF ACRES ASSIGNED HIS WELL
	lg. unit line, if any)	870 <b>'</b>		1120		160
18. DISTANCE FROM PRO TO NEAREST WELL,	DRILLING, COMPLETED.		19. PROP	OSED DEPTH	20. ROTA	RY OR CABLE TOOLS
OR APPLIED FOR, ON TH	hether DF, RT, GR, etc.)	None		1100'	]	Rotary
6734 GR.	nemer Dr, KI, GK, etc.)					22. APPROX. DATE WORK WILL START*
23.						As soon as permitted
	·	PROPOSED CASIN	G AND C	CEMENTING PROGRA	M	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		QUANTITY OF CEMENT
124	7" used	23		100	100	) sx. circ.
6½	4½" new	9.5	1	100		) sx. circ.
study of logional inform Multi-Point	rs. This action requirements of the second s	reage is not red to NTL-Plan are a	ot dec	rogram will dicated to a rethe applicated.	be de gas ation	ed Cliffs formation. etermined from the purchaser. Addit- to drill and a  ctive some and proposed new productive and true vertical depths. Give blowout
SIGNED Pail	C. Ellison	TITL	E Proc	luction Mana	ger	DATE July 10, 1978
(This space for Feder	ral or State office use)					
PERMIT NO.			APP	ROVAL DATE	<del></del>	
APPROVED BY		T[TL	E		8. 2.	DATE
ok 3						JUL 12 1978
ono	nave	*See Instruct	ions On	Reverse Side		COOT TOTAL SURVEY

# Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Operator	Lease			Well Ho.
BENSON MINERAL GROUP, INC.	FEI	DERAL 4-21-7	1	
Unit Letter Section Towns		maje	County	<u> </u>
I 4	21N	<b>7</b> W	Sandoval	
Actual Footage Location of Well:			1	
1480 feet from the South	line and 870	) feet	from the East	line
Ground Level Elev. Producing Formation	Front			ated Acrean-1
6734 Pictured C	liffs	<del>Undesignat</del>	ed Wikicat	160 - Arres
1. Outline the acreage dedicated to	the subject well by o	colored pencil o	r hachure marks on the plat	
<ul><li>2. If more than one lease is dedictinterest and royalty).</li><li>3. If more than one lease of different</li></ul>	ated to the well, outling to the well, outling to the terms of the ter	nc each and iden	ntify the ownership thereof	(both as to working
Acted by communitization, unitizated and the Yes No If answer is "no," list the owners this form if necessary.)  No allowable will be assigned to the forced-pooling, or otherwise) or unitization.	s "yes," type of conso and tract descriptions we well until all interes	lidation	onsolidated (by communiti	zation, unitization,
sion.		·	i interests, nus been appro	ved by the Commis-
Sec		87	I hereby certify to tained herein is to best of any howled with the production and position.  Position Benson Mine Company July 10, 19 Date  I hereby certify shown on this plan notes of actual so under my supervision to the production of the plan notes of actual so under my supervision to the production of the plan notes of actual so under my supervision to the production of the plan notes of actual so under my supervision to the production of the production	that the well location twas plotted from field urveys made by me or clion, and that the same sect to the best of my
U. S. ARGETTON L. SURVEY		17/1801	Date Surveyed  July 3, 197  Heighstered Protests and or fan i Surveyed  Fred 3. Ker  Certifical 2022  3950	tul

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

Federal 4-21-7 Well #1
1480' FSL & 870' FEL, Sec. 4-T21N-R7W
Sandoval Co., N.M.

The geologic name of the surface formation is: Tertiary Paleocene

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

Formation	Depth	Elevation
Pictured Cliffs	780	+5950
Total Depth	1100	

Estimated K.B. elevation: 6740

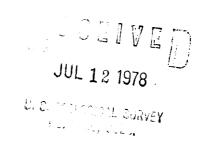
Estimated Depth	<u>Casing</u> <u>Size</u>	Casing Weight	Hole Size	Sacks Cement	Type
100	7" Used	23	12¼"	100	Class "B" 2% CaCl2
1100	4½" New	9.5	6½"	50 70	Class "B" Class "B" 50-50 Poz mix, 6% gel with ¼# Celloflake/sack

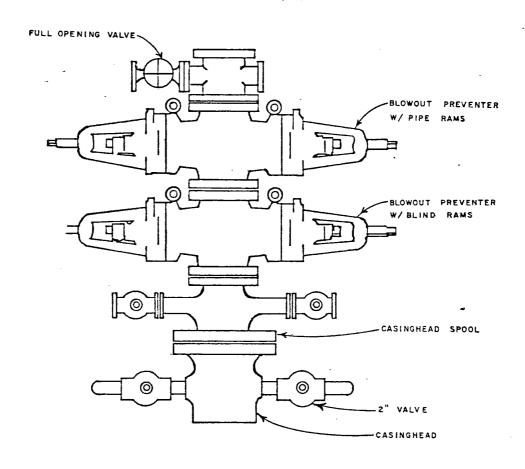
Benson Mineral Group Inc.'s standard blowout prevention will be employed, see the attached drawing of the preventor design.

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.





DINED

JUL 12 1978

U. C. THE WHICH BURYEY

BENSON
MINERAL
GROUP, INC.

STANDARD BLOWOUT PREVENTER
ASSEMBLY
6" 900 SERIES

GEDLOGY BY: DATE: POSTED: APPROVED BY: G. W.R.

#### MULTI-POINT SURFACE USE PLAN

Federal 4-21-7 Well #1
1480' FSL & 870' FEL, Sec. 4-T21N-R7W
Sandoval County, N. M.

- 1. The attached road map and sketch show the proposed route to the location and distances from towns.
- 2. An access road of ½ mile 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.

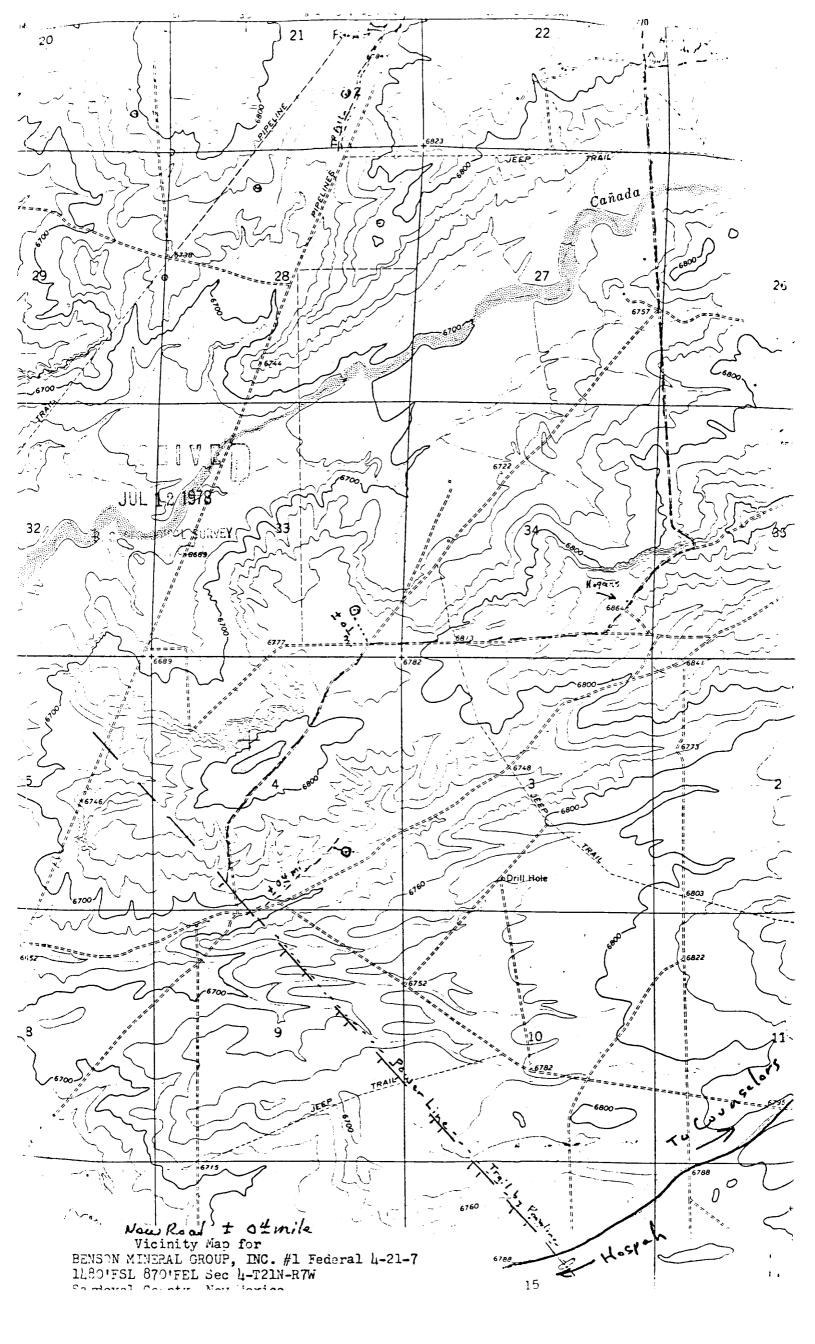
  Material from high points on location will be used to level location for proper drilling.
- 7. A 20' X 120' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be hauled by truck and bladed into existing roads. All other waste will be covered in 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. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as detailed by the Surface Management Agency at the time 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.

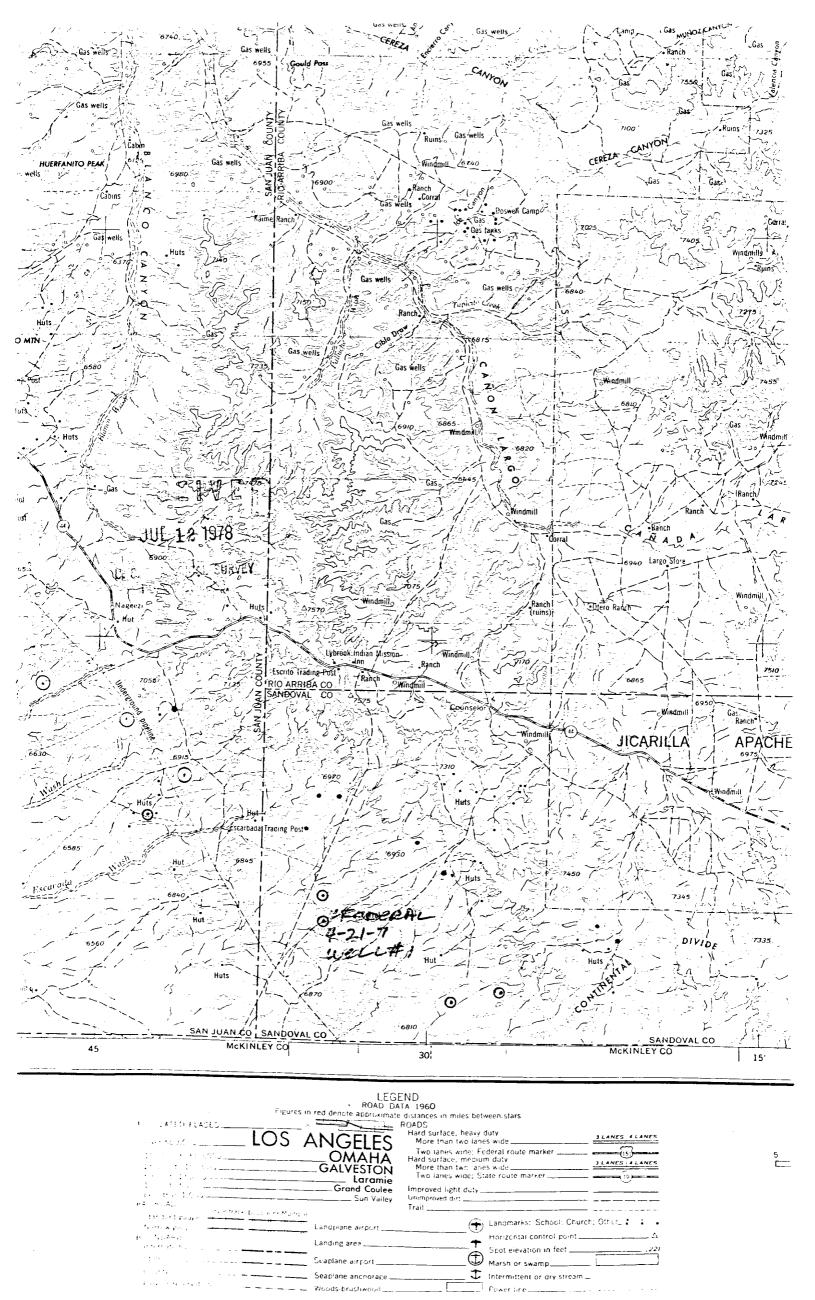
Representatives of the U.S. Geological Survey's Durango Office and Bureau of Land Management's Farmington Office will inspect the site. Cultural resources inspection will be conducted by an archaeologist from San Juan College or Salmon Ruins.

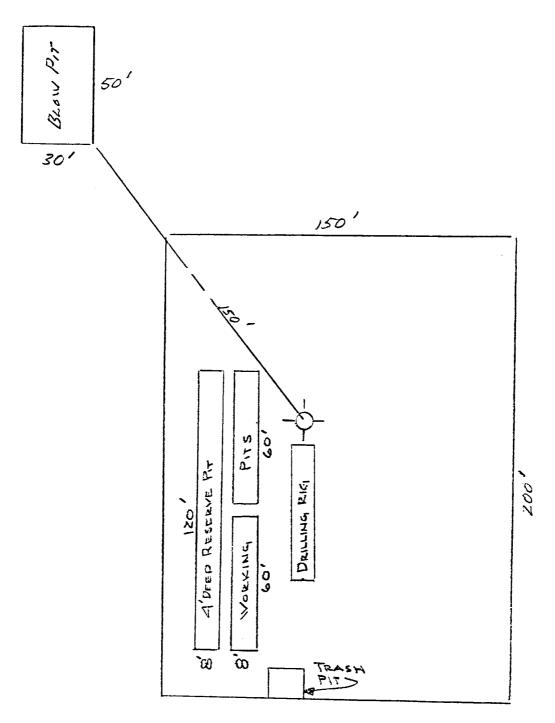
12. A Certification Statement by Benson Mineral Group, Inc.'s representative is included.

JUL 1 2 1978

El Committee El DisaveY







LOCIVED

JUL 12 1978

PROPOSED LOCATION

E. C. TETTOME SURVEY

Federal 4-21-7 Well #1
1480' FSL & 870' FEL, Sec. 4-T21N-R7W
Sandoval Co., N.M.

### 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 <a href="BENSON MINERAL GROUP,">BENSON MINERAL GROUP,</a>
INC. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

July 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

