PERMIT NO. _

CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

つか オルノー	2016
30045 =	300/
5. LEASE DESIGNATION AND	SERIAL NO.

GEOLOGICAL SURVEY NM-7011					NM-7011		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
	DRILL X DEEPEN PLUG BACK 7. UNIT AGREEMENT NAME						
b. TYPE OF WELL OIL GA	GAS WELL X OTHER SINGLE XX MULTIPLE S. FARM OR LEASE NAME						
2. NAME OF OPERATOR	ELL X OTHER		20	NE AA ZONE		Federal 4-22-8	
Benson Minera	al Group, Inc	•				9. WELL NO.	
3. ADDRESS OF OPERATOR						1	
3200 Anaconda	a Tower, 555	17th St.	, Dei	nver, CO 802	02	10. FIELD AND POOL, OR WILDCAT	
	eport location clearly and	in accordance wit	h any S	tate requirements.*)		Wildcat Chacra	
At surface 1570' FSL & 840' FEL Section 4-T22N-R8W At proposed prod. zone					-	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4-T22N-R8W	
14 DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFICE			SW NE SE 12. COUNTY OR PARISH 13. STATE	
						San Juan N.M.	
15. DISTANCE FROM PROPE	neast of Nage	ezi, New		. OF ACRES IN LEASE	17. No. 0	OF ACRES ASSIGNED	
LOCATION TO NEAREST PROPERTY OR LEASE L	:	840		640		160	
(Also to nearest drig			19. PR	OPOSED DEPTH	20. вота	RY OR CABLE TOOLS	
TO NEAREST WELL, D. OR APPLIED FOR, ON THE	RILLING, COMPLETED,	None		1825		Rotary	
21. ELEVATIONS (Show who			<u> </u>		<u>. </u>	22. APPROX. DATE WORK WILL START*	
6832 GI	R.					As soon as permitted	
23.	P	ROPOSED CASI	NG AND	CEMENTING PROGR	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00т	SETTING DEPTH	1	QUANTITY OF CEMENT	
121/4	7" used	23		100		100 sx circ.	
61/4	4½" new	9.5		1825	_	190 sx circ.	
The above we	 ll is being d	rillod to) - 074	aluato tho C	hacra	formation. Com-	
pletion intervals and stimulation program will be determined from the study of logs. This acreage is not dedicated to a gas purchaser. Addition-							
al information required by NTL-6 for the application to drill and a Multi-							
	e Use Plan ar						
			· Internal control of the control of	RECEN	/ E U	1978 Jun 7 1978	
IN ABOVE SPACE DESCRIBE	: PROPOSED PROGRAM : If p	proposal is to deep lly, give pertinen	pen or p	Tug back, give data of n subsurface locations a	resent prod	JUN 7 1978 OIL CON. COM. OIL ST. 3 Muctive zone and proposed new productive and true vertical depths. Give blowout	
preventer program, if an 24. SIGNED Paul	Hilli C. Ellison	TI	rle]	Production M	anager	r _{DATE} June 2, 1978	
(This space for Fede	ral or State office use)						

TITLE _

APPROVAL DATE ___

DATE ____

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

		All distances mi	ust be from the ou	ter boundaries o	the Section.		
Operator			Lease				Well No.
BENSON MI	NERAL GROUP.	INC.	FED:	ERAL 4-22-	8		1
Unit Letter	Section	Township	Rom	ge	County		
I	4	25.1/		8W	San	Juan	
Actual Footage Loc	eation of Well:						
1570	feet from the S	outh lin	ne and 840) _{fe}	et from the	East	line
Ground Level Elev.	Producing For	mation	Pool	w:/da	at		Dedicated Acreage:
6832		Chacra		<u>Undesi</u>	gnated		160 Acres
2. If more the interest an	nd royalty).	dedicated to th	e well, outline	e each and id	entify the o	ownership th	nereof (both as to working
dated by one of the dated by o	No If a sis "no," list the f necessary.)	nswer is "yes," owners and trac	type of consol t descriptions	idation which have a ts have been	ctually bed	en consolida	ated. (Use reverse side of munitization, unitization, approved by the Commis-
	 	Sec				Name Paroduce Position Bensor	certify that the information con- rein is true and complete to the relative of the series of the ser
				1570'	840 ' 	shown on notes of under my is true a knowledge	1978 Professional Engineer
0 330 660	90 1320 1650 198	30 2310 2640	2000 1500	1000	500 0	Certificate	MERR. IR.

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

Federal 4-22-8 Well #1 1570' FSL & 840' FEL Section 4-T22N-R8W San Juan County, New Mexico

The geologic name of the surface formation is: Tertiary Paleocene

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

<u>Formation</u>	Depth	<u>Elevation</u>
Pictured Cliffs	1063	+5775
Chacra	1448	+5390
Total Depth	1825	

Estimated K.B. elevation: 6838

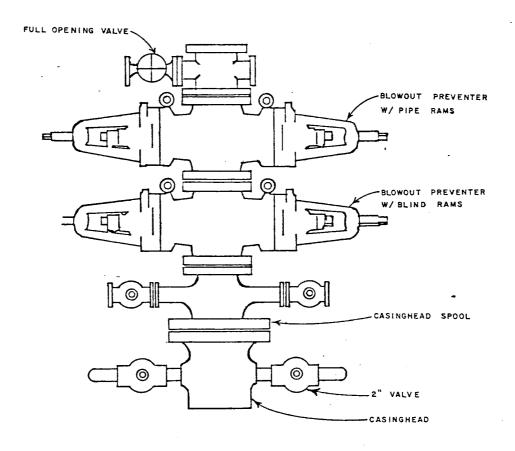
Estimated Depth	<u>Casing</u> <u>Size</u>	Casing Weight	$\frac{\texttt{Hole}}{\texttt{Size}}$	Sacks Cement	Type
100	7" Used	2-3	12¼"	100	Class "B" 2% CaCl ₂
1825	4½" New	9.5	6½"	50 140	Class "B" Class "B" 50-50 Poz mix, 6% gel with ¼# Celloflake/sack

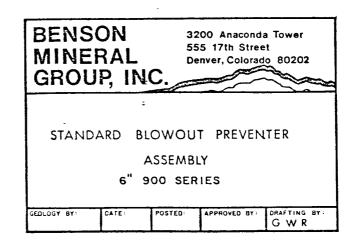
Benson Mineral Group Inc.'s standard blowout prevention will be employed, see the attached drawing of the preventor design.

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.



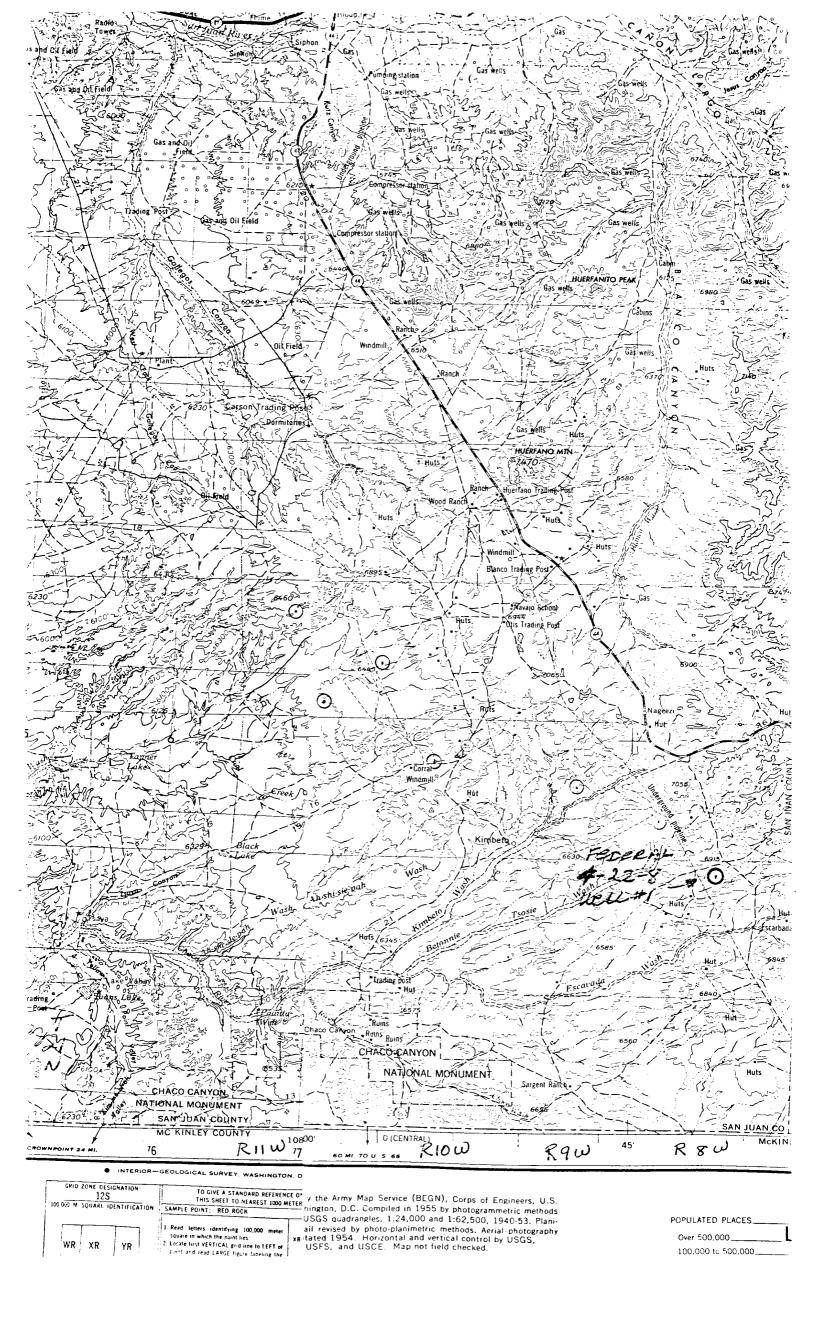


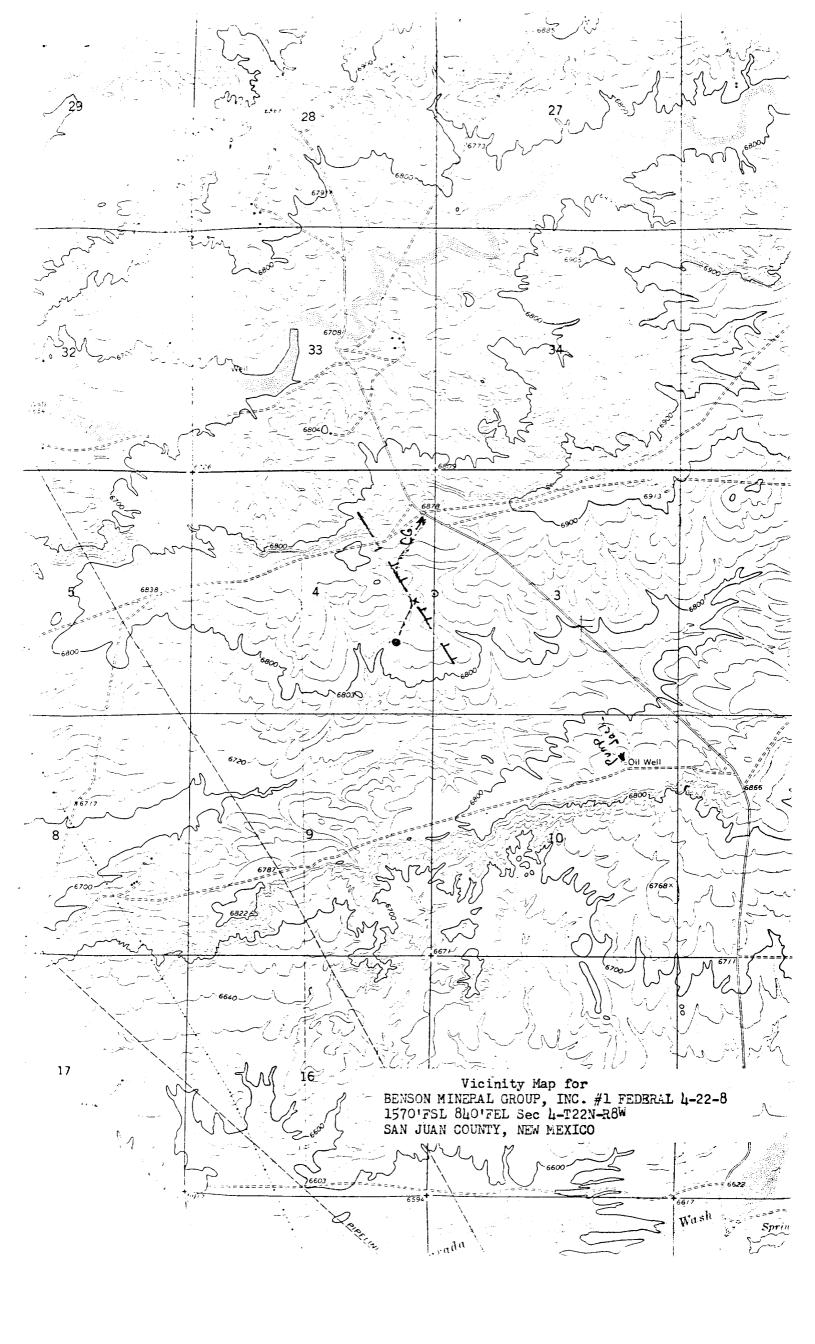
MULTI-POINT SURFACE USE PLAN

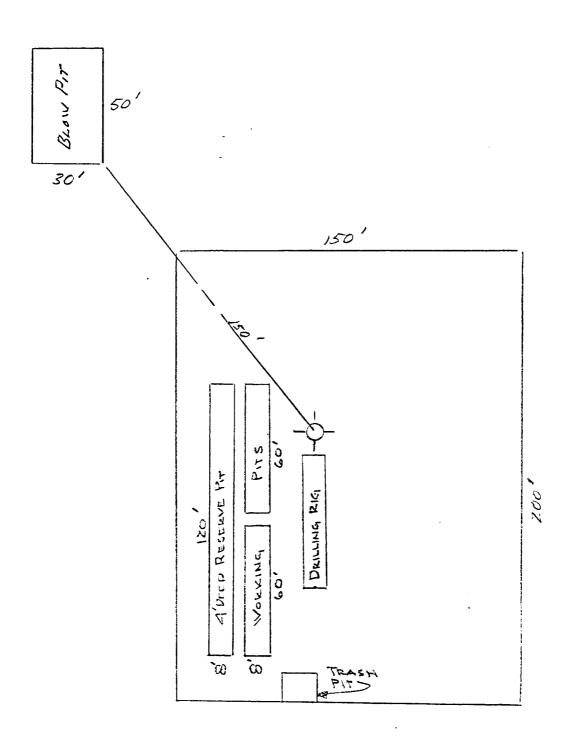
Federal 4-22-8 Well #1 1570' FSL & 840' FEL Section 4-T22N-R8W

SAN JUAN 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 3,500 ft. *** 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 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 Farmington 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.







PROPOSED LOCATION

Federal 4-22-8 Well #1 1570' FSL & 840' FEL Section 4-T22N-R8W San Juan 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, and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

June 2, 1978	Vant Ellin
Date	Paul C. Ellison
	Production Manager

mann

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