(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY:

PERMIT NO. _

APPROVED BY

SUBMIT IN TRIPLICATE*

(Other instructions on

UNITED STATES
DEPARTMENT OF THE INTERIOR reverse side)

Bureau	42-R1425

		ED STATES	reverse s	30-031- 20463
	DEPARTMENT	5. LEASE DESIGNATION AND SERIAL NO.		
	GEOLO	NM 12201		
APPLICATION	N FOR PERMIT T	O DRILL, DE	EPEN, OR PLUG I	BACK 6. IF INDIAN, ALLOTTEM OR TRIBE NAME
	ILL *	DEEPEN [PLUG BA	CK 7. UNIT AGREEMENT NAME
b. Tipe of Well oil G. well W	SELL OTHES		SINGLE MULTIN	S. FARM OR LEASE NAME
2. NAME OF OPERATOR	ALL LJ OTHAG		ZONE L ZONE	Marcelina
	Minerals, In	c.		9. WELL NO.
3. ADDRESS OF OPERATOR				4
At surface	x 2182, Santa			Wildcat GALLUP
	and 950' FEL	or Section	24.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon	e		Co.	s. 24, TION, RIOW, NMP
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OF	1 00,04	S. 24, TIÓN, RIOW, NMP 12. COUNTY OR PARISH 13. STATE MCKINLEY NEW MEXICO
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE 1 (Also to nearest drig	INE, FT.	30'	NO. OF ACERS IN LESSES	10. NO. OF ACRES ASSIGNED TO THIS WELL
18. DISTANCE PROM PROP TO NEAREST WELL, D	OSED LOCATION®		. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
OR APPLIED POR, ON TH		401	875	Rotary
21. ELEVATIONS (Show who				22. APPROX. DATE WORK WILL START*
$\frac{7159!}{23}$	F. L.			Upon Approval
۵۰).	P	ROPOSED CASING .	AND CEMENTING PROGR.	AM
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-5/8"	7"	20 lb.	30'	Suff.to circulate.
6-1/4"	4-1/2"	9 lb.	875'	Suff, to cover 500 above
				Hospan sand.
indicated Section 24 sand at 17 commercial	during the dr . The No. 1 w 50'. Cores wi production o	rilling of hell was could be taken of oil or g	No. 1 Marcelin mpleted as a p n of the Hospa	ldcat to test shows of oil a 330' FEL and 330' FNL of croducer from the Dakota "A" h and logs will be run. If d, casing will be run and fuction.
Marcelina.	a Dakota "A"	sand deve	40' east of N lopment well. d for for the	orthern Minerals No. 3 990' FNL and 990' FEL of No. 3 well.
			REC	CEIVED
IN ABOVE SPACE DESCRIBE zone. If proposal is to o preventer program, if any	frill or deepen directional	roposal is to deepen o ly, give pertinent dat	ta on subsurface locations as	T 1 1975 resent productive zone and proposed new productive and measured and true vertical depths. Give blowout
24.	& Carridges		U. S. CF	orogical.

All distances must be from the outer boundaries of the Section Sperator Lease Northern Minerals #4 Marcelina Unit Letter Section Township Range County 16 North 10 West McKinley Actual Floorage Location of Well: 990 950 North East feet from the line and feet from the Ground Lovel Elev. Producing Formation Dedicated Acresce 7159 Wildcat C 77 7 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 write tests of an owners been consolidated by communitization, unitization, force-pooling, etc? Yes If answer is "yes," type of consolidation If answer is "no?" list the owners and tract descriptions which have actually been consolid d. (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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 950 Marcelina No. 4 Lloyd Davidson Position President Company Northern Minerals, Ind. Date Sec. 24, T.16N., R.10W. 9-30-75 I hereby certify that the well location shown on this plat was platted 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 Sept. 25, 1975 Registered Professional Engineer and/or Land Surveyor 2031 1320 1550 1930 2310 2640 2000 1500

DEVELOPMENT PLAN FOR SURFACE USE

To be attached to Application to Drill a test well for oil or gas to be located 330' FNL and 330' FEL section 24, T16N-R10W, McKinley County, New Mexico. The Federal lease number is NM 12201. The well is to be known as Northern Minerals, Inc., No. 4 Marcelina.

This well will be drilled by a light-weight, truck-mounted Failing 1500 type rig.

1. Existing roads including location of the exit from the main highway.

Accompanying this statement is a copy of USGS topographic map, herein called Map 1. The locatable reference point is the Albers Ranch Headquarters, approximately $11\frac{1}{2}$ miles southwest of Hospah, New Mexico, on the Borrego Pass - Hospah road. This is the main access road and is shown on the map. The point of exit from this road is $\frac{1}{2}$ mile northeast of the Albers Headquarters and is indicated on this map. A red line shows the direction to the well location. Also shown on the map are all existing roads within a three mile radius.

2. Planned access roads.

No new road construction is contemplated. If necessary, some low places in the vicinity of the well may have to be graded.

3. Location of existing wells.

Map 1 shows the location of the proposed well and all wells within a two mile radius.

4. Lateral roads to well location.

Covered in reply to (1) above.

5. Location of tank batteries and flow lines.

The tank battery will be located some 50 feet northeast of the well and is shown on Map 2. Also shown is flow line from well to tanks.

6. Location and Type of Water.

Water for drilling operations will be taken from the Tesoro Petroleum pond at Hospah. Trucks will haul water to the well. No water lines will be needed.

7. Methods for Handling Waste Disposal.

Upon completion of the well, all waste material will be placed in the pit, covered over and buried. See map 2.

8. Location of Camps.

There will be no camp. Crews will travel daily back and forth to Grants, New Mexico.

9. Location of Airstrips.

No airstrip will be constructed.

10. Location of Layout to Include Position of the Rig, Mud Tanks, Reserve Pits, Burn Pits, Pipe Rack, etc.

See map 2. The topography in the immediate vicinity of the well is flat. The drilling pad will not be compacted or surfaced.

11. Plans for Restoration of the Surface.

Upon completion of operations, the surface will be cleared of all junk, leveled and re-seeded.

12. Other Information.

The topography of the general area is gently rolling. There is some grass but very little other vegetation. No cut and fill will be needed.

Northern Minerals, Inc.

By: Llayd Daniel Lloyd Yavidson, President

