



APPLICATION FOR PERMIT TO CONSTRUCT, INSTALL OR MODIFY AN INDIVIDUAL LIQUID WASTE SYSTEM

EID USE	EID PERMIT NUMBER
	31095
	CID PERMIT NUMBER

SYSTEM OWNER'S NAME - Last, First and Middle <u>Hull Radbruch, Dorothy</u>		HOME PHONE <u>303-672-3859</u>	BUSINESS PHONE
MAILING ADDRESS - Street/P.O. Box, City, State and Zip Code <u>P.O. Box 66 Jarosi, Colo. 81138</u>			
LOCATION OF SYSTEM - Street address, subdivision block and lot, or directions to site <u>Las Colonias</u>			
SYSTEM INSTALLER'S NAME - Last, First and Middle <u>Sitov Joe</u>			
INSTALLER'S FIRM <u>Sitov's Excar.</u>		COUNTY <u>Stor</u>	PHONE <u>758-4562</u>
MAILING ADDRESS - Street/P.O. Box, City, State and Zip Code <u>Box 111 EL Prado, N. Mexico</u>			
C.I.D. LICENSE NUMBER	C.I.D. LICENSE CLASSIFICATION <input type="checkbox"/> MM-1 <input type="checkbox"/> MM-98 <input type="checkbox"/> MS-1 <input checked="" type="checkbox"/> MS-3		

I. GENERAL INFORMATION

Type of Establishment:
 Single family residence Trailer Cabin Other - specify _____
 Number of bedrooms 1 Other unit basis _____ employees, patrons, seats, etc. Number of units _____
Date Platted Post Nov. 1973

II. SITE INFORMATION

Lot size 1 1/4 acres Minimum field area available 8,320 square feet or acres
 Water Supply: Community Private well Other - specify _____
 Soil Depth (number of feet above bedrock or impervious layer): Greater than 6 feet Less than 6 feet _____ number
 Soil Type: Gravel Sand Silt Clay Loam
 Other - specify _____
 Has evidence of percolation test been submitted? Yes No
 Percolation Rate in minutes per inch (a percolation test is required; see Section 202, Subsection E2, Liquid Waste Disposal Regulations) 10
 Depth to Seasonal High Water Table (see Section 209, Liquid Waste Disposal Regulations):
 Greater than 20 feet 12 to 20 feet Less than 12 feet _____ number
 Ground Slope (in feet per 100 feet at absorption field site) 3%
 Flooding Potential: Less than 1 in 25 years More than 1 in 25 years

III. SYSTEM DESIGN

Type of Treatment System: Septic tank Aerobic Privy
 Other - specify _____
 Liquid waste treatment unit capacity (in gallons or gallons per day) 1000
 Liquid waste treatment unit manufacturer Sitov's Excar.
 Liquid waste treatment unit certification: New Mexico Mechanical Bureau National Sanitation Foundation
 System Design Flow in gallons per day (see Appendix A of Liquid Waste Disposal Regulations) 150

Type of disposal system: Standard trench Absorption bed

Other - specify _____

Field size: Depth 36-80' Square feet of bottom area 151

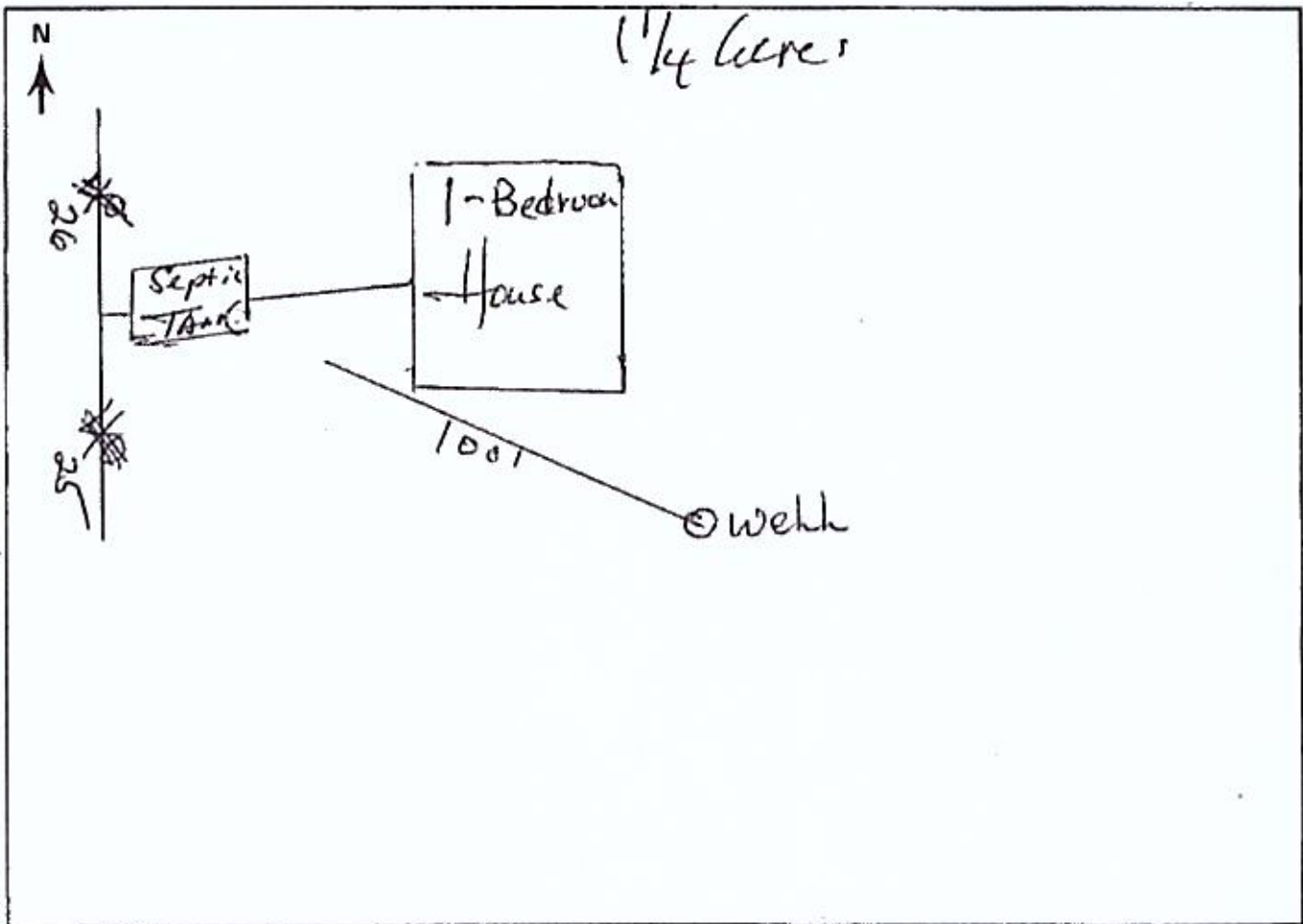
Depth of gravel below distribution pipe - in inches 1 1/2

Type of liner (if required) _____

IV. REMARKS: _____

V. PLOT PLAN - Diagram the liquid waste system; include the following landmarks within 200 feet of the system:

- a) proposed existing buildings, driveways, water wells, water supply pipes, other liquid waste disposal systems;
- b) lakes, reservoirs, streams, arroyos, other water courses, and expected direction of groundwater flow; and
- c) property lines and dimensions of the parcel of land where the system is to be located.



VI. APPLICATION

The foregoing information has been submitted to the Environmental Improvement Division as required by Section 102, Subsection B of the Liquid Waste Disposal Regulations adopted by the Environmental Improvement Board. This information is correct and true to the best of my knowledge. I understand that the issuing of the permit does not relieve me from the responsibilities of complying with all applicable provisions of the Liquid Waste Disposal Regulations.

OWNER CONTRACTOR

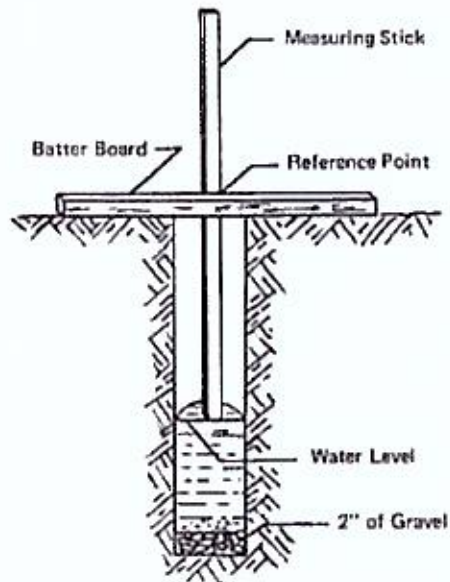
[Handwritten Signature]
Signature

8-10-81
Date



RECEIVED AUG 8 PERCOLATION RECORD FOR INDIVIDUAL LOTS

- Preparation of Percolation Test Holes** - Percolation test holes shall be dug or bored with vertical sides and a width of four to twelve inches to the depth of the proposed drainfield trench bottom (*36 inches minimum depth*). Carefully scratch the sides of the holes to disturb any smeared surfaces. In clay and loam soils, two inches of fine gravel should be added to protect the bottom of the percolation test holes from sediment. Be sure loose soil materials are removed from the holes. Two test holes are required 50 feet apart in the proposed drainfield area for individual lots.
- Saturation and Swelling of Soil** - Percolation test holes shall be filled with water and saturated for a minimum of four hours prior to testing. Clayey soils should be saturated overnight, as should soils tested during the dry season.
- Percolation Rate Measurement** - From a fixed reference point, measure the distance from the ground surface to the bottom of the hole and to the water surface. Adjust the water level to approximately six inches above the bottom. In sandy soils, measure the water level every ten minutes for an hour (*refill to six inches as necessary*). Divide ten by the inches of drop in the last ten minutes to find the percolation rate. In tighter soils, measure the drop in water level every 30 minutes for four hours (*refill to six-inch level as necessary*) and divide 30 by the inches of drop during the last 30 minutes to find the percolation rate. Record the times and readings below.



Test Hole Number 1		Test Hole Number 2		TEST HOLE	HOLE DEPTH
TIME	WATER DEPTH	TIME	WATER DEPTH		
1:30	16"	1:30	16"	Number 1	30
1:40	15"	1:40	15"	Number 2	30
1:50	14 1/2"	1:50	14"		
2:00	13 1/2"	2:00	13"		PERCOLATION RATE (min/inch)
2:10	12"	2:10	13 1/2"	Number 1	10
2:20	11"	2:20	12 1/2"	Number 2	10
2:30	10 1/2"	2:30	11"		AVERAGE
2:40	9 1/2"	2:40	10"		10

Test completed by: [Signature]
 Owner Contractor Other - specify _____

5. Location of Property: Las Colonias
 Owner: Dorothy H. Radbruch Phone: 303-672-3859
 Address: P.O. Box 66 Jarosa, Colo. 81138

6. Report Reviewed by: Gale Jeanette
 Title: Environmentalist Date: 8/15/81