Pache

8-28

Department of Energy
Albuquerque Operations
Los Alamos Area Office
Los Alamos, New Mexico 87544

AUG 21 1985

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ms. Denise Fort, Director
NM Environmental Improvement Division
P. O. Box 968 - Crown Building
Santa Fe, New Mexico 87504-0968

Dear Ms. Fort:

REF: COMPLIANCE ORDER/SCHEDULE - DOCKET NUMBER NMHWA 001007

This letter provides you with information pertaining to Los Alamos National Laboratory's progress on Paragraph 25 of the Compliance Order/Schedule issued under authority of the New Mexico Hazardous Waste Act (NMHWA).

Los Alamos has located test holes at Areas G and L, respectively (see Figs. 1 and 2), to perform the various tasks pertinent to vadose zone characterization detailed in the Compliance Order/Schedule.

The Laboratory will follow Environmental Protection Agency (EPA)-approved protocols for organic and inorganic sample collection, chain of custody, and laboratory analyses (EPA's National Enforcement Investigation Center's Policies and Procedures Manual, December, 1983: Appendix A).

Please call Avedon Gallegos of my staff at (Com.) 667-5288 if you have any questions.

Sincerely

Harold E. Valencia
Area Manager

Enclosures:
Figures 1 & 2

cc: P. Pache, NMEID, Santa Fe, NM
D. Kerr, Director, LANL, MS A100
C. Adams, Jr., ADTS, LANL, MS A120
J. Aragon, HSE-DO, LANL, MS P228
T. Gunderson (HSE8-85-885.1), LANL, MS K490
A. Drypolcher, HSE-8, LANL, MS K490
M. Devaurs, HSE-8, LANL, MS K490
Carlos Garcia, ESHD, AL

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HAZARDOUS WASTE SECTION

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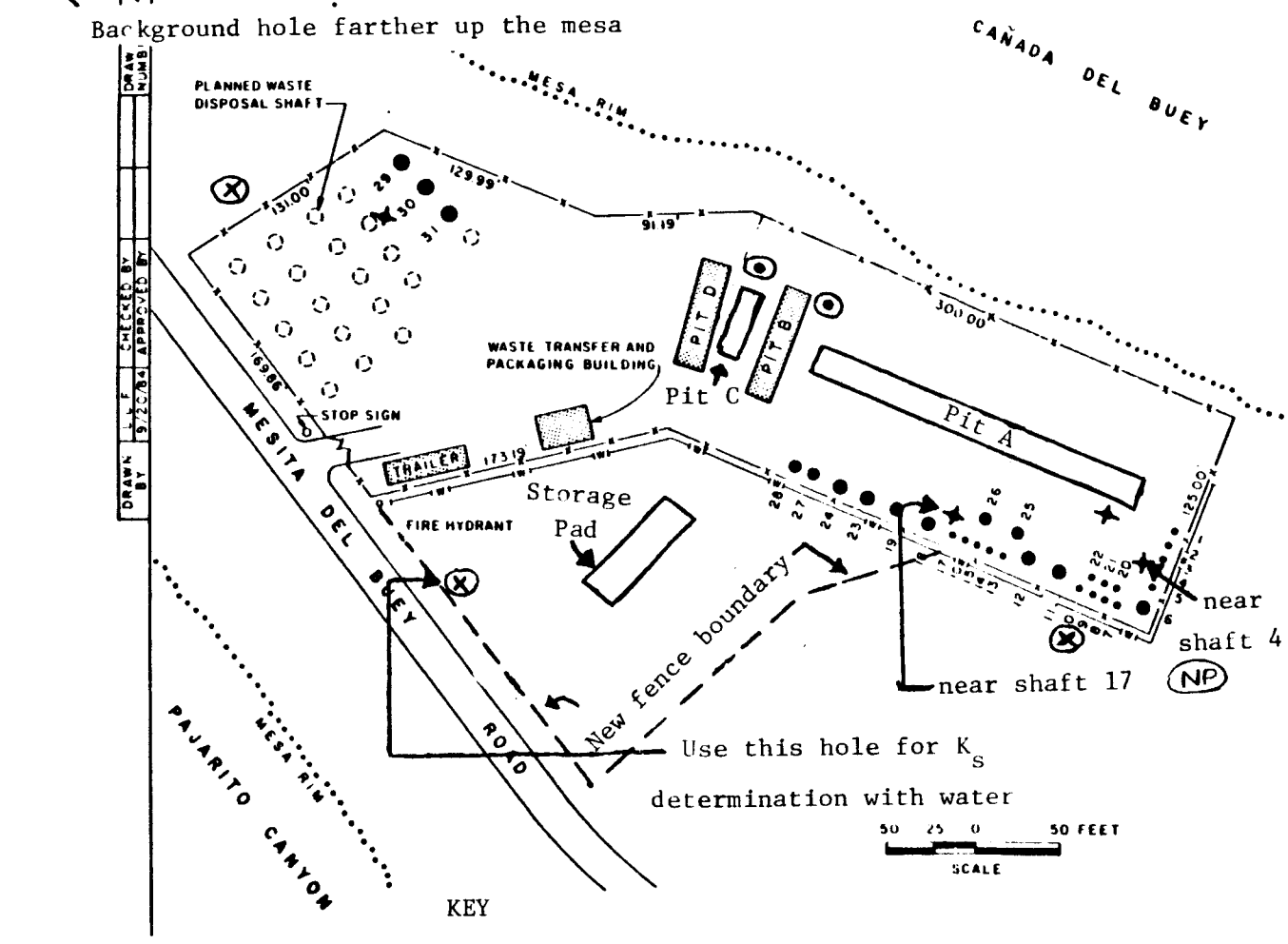
Fig. 1

Proposed Hole Locations at Area L for compliance with vadose zone characterization tasks in EID Compliance Order



AREA L SHAFTS[1]

SHAFT NO.	SHAFT DIAMETER (FEET)	DATE DRILLED	DATE CAPPED	CONTENTS
1	3	1980	9/83	ORGANICS[2]
2	3	2/75	7/79	ACIDS & BASES
3	3	2/75	11/78	INORGANIC
4	3	2/75	5/80	ORGANIC
5	3	2/75	6/77	WASTE OIL
6	8	6/75	6/79	REACTIVE
7	3	6/75	6/79	REACTIVE
8	3	6/75	6/79	REACTIVE
9	3	6/75	6/79	GAS CYLINDERS
10	3	6/77	6/79	WASTE OIL
11	8	6/78	7/79	WASTE OIL/SOLVENT
12	8	1/78	7/79	WASTE OIL/SOLVENT
13	3	6/79	5/82	INORGANIC
14	3	6/79	5/82	REACTIVE
15	3	6/79	5/82	REACTIVE
16	3	6/79	5/82	GAS CYLINDERS
17	3	6/79	5/82	ORGANIC
18	8	6/79	6/80	WASTE OIL
19	8	4/80	5/82	WASTE OIL
20	3	4/80	9/83	INORGANIC
21	3	4/80	OPEN	GAS CYLINDERS
22	3	4/80	9/80	ORGANIC
23[3]	8	9/82	3/84	WASTE OIL
24[4]	8	4/82	4/84	ORGANIC & WASTE OIL
25	6	9/82	OPEN	INORGANIC
26	6	9/82	3/84	ORGANIC
27	4	1/82	OPEN	SPECIAL[5]
28	4	1/82	OPEN	SPECIAL
29	6	12/83	6/84	ORGANIC
30	6	12/83	OPEN	ORGANIC
31	6	12/83	OPEN	EMPTY

FIGURE 2-8

TA-54 AREA L
WASTE MANAGEMENT FACILITIES

PREPARED FOR

LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

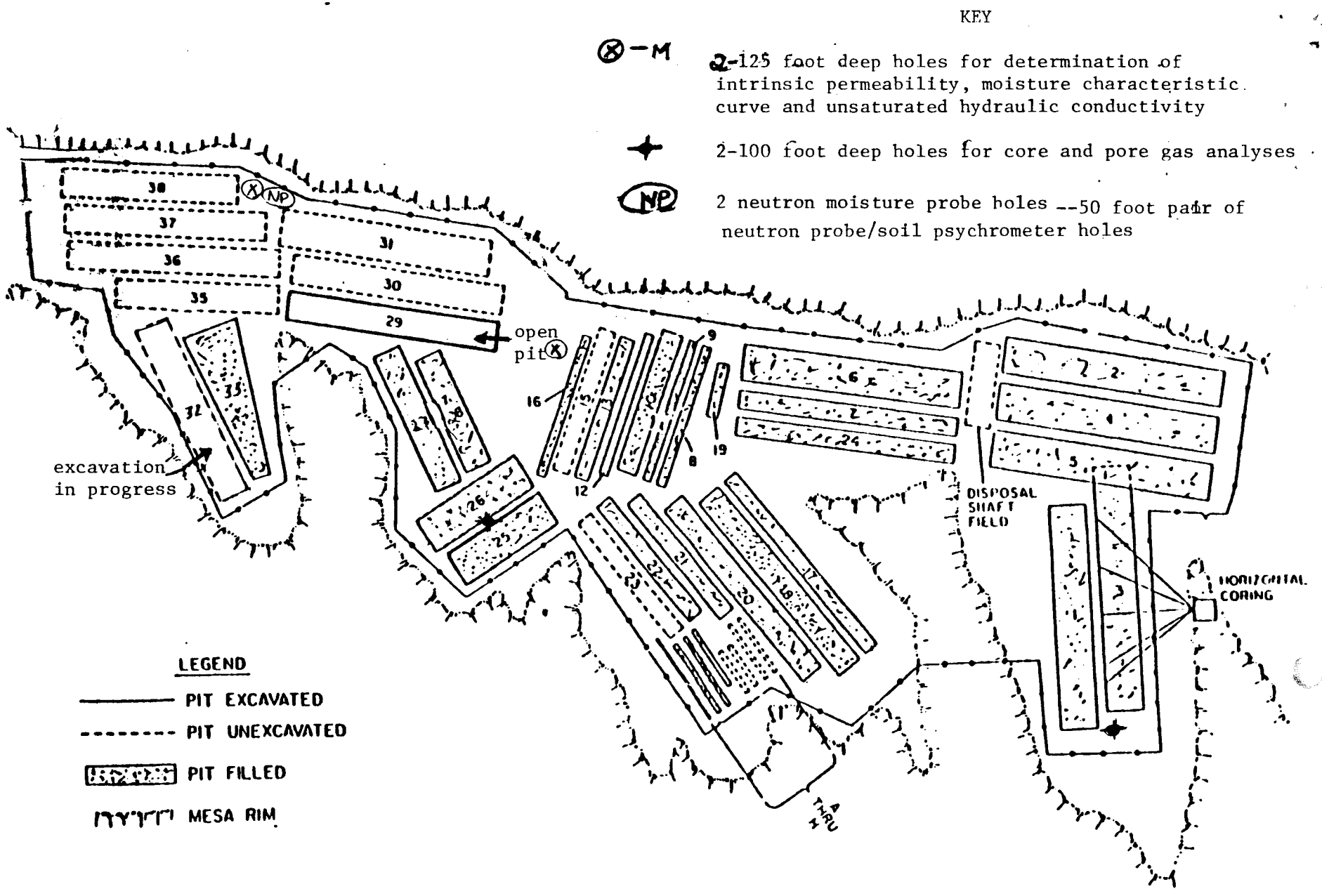
IT CORPORATION

(X) 3-125 foot deep holes for determination of intrinsic permeability, moisture characteristic curve and unsaturated hydraulic conductivity

(NP) 2 neutron moisture probe holes--100 foot pair of neutron probe/soil psychrometer holes

✦ 5-100 foot deep holes for core and pore gas analyses (4 near L; one background hole)

(•) 2-100 foot holes near surface impoundment (LANL)



TA-54, Area G

Fig. 2 Proposed Hole Locations at Area G for compliance with vadose zone characterization tasks