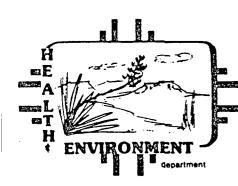
# 3R - <u>349</u>

## GENERAL CORRESPONDENCE

YEAR(S): 1984-1954



#### STATE OF NEW MEXICO

ENVIRONMENTAL IMPROVEMENT DIVISION P.O. Box 968, Santa Fe, New Mexico 87504-0968 (505) 984-0020 STEVEN ASHER, Director TONEY ANAYA GOVERNOR

Joseph Goldberg SECRETARY

Ted Guambana
DEPUTY SECRETARY

JOSEPH F. JOHNSON DEPUTY SECRETARY

April 24, 1984

Mr. John F. Eichelmann, Jr. The El Paso Company 320 Galisteo, Suite 2 Santa Fe, NM 87501

RE: Comments on Report dated February, 1984 and titled "Proposed Remedial Work, Prewitt Refinery Site, McKinley County, New Mexico."

Dear Mr. Eichelmann:

The above report prepared by John W. Shomaker, Consulting Geologist, for El Paso Natural Gas Company and ARCO Oil and Gas Company (received March 2, 1984) has been reviewed by me with input from other EID staff members. The review primarily concentrates on the aspects of remedial work proposed in the report which are related to ground water contamination; additional information is needed on the specific nature and composition of the surface materials before other than general comments can be offered on the proposed surface reclamation.

The existence of ground water contamination at the old refinery site (previously owned and operated by both Malco (now ARCO) and El Paso Natural Gas Products Co.) was first documented by Cooper and John in the 1968 New Mexico State Engineer Technical Report 35: Geology and Ground-Water Occurrence in Southeastern McKinley County, New Mexico. In this report two wells, the "East" and "Gas" wells, were found to have gasoline on top of the water. Subsequent investigation by EID in 1983 found four other wells that were suspected of hydrocarbon contamination. The "Barnes" well (previously used for a drinking supply) and the "New Railroad" well (abandoned refinery supply well) had up to 1,300 parts per billion (ppb) and 116 ppb of benzene respectively in bailed samples taken in the spring of 1983. Additional tap water samples from the Barnes well contained between 85 and 405 ppb of benzene in four samples taken between December, 1982 and June, 1983. In two other wells, the "Lamance" well (used for domestic supply) and the "West" well (abandoned refinery supply well), hydrocarbon odors were detected during sampling but concentration levels were below detection when analyzed by the New Mexico Scientific Laboratory Division (SLD). All results of the EID sampling and SLD analyses are on file with the Ground Water and Hazardous Waste Bureau.

Mr. John F. Eichelmann, Jr. April 24, 1984
Page 2

In my opinion, there are two remedial work objectives of primary importance. First, it is necessary to provide a safe domestic water supply for those wells now contaminated or likely to be contaminated by the hydrocarbon pollution plume. Second, it is vitally important to prevent current and/or future movement of contaminants into and between aquifers through wells open to the surface, and perforated in two or more aquifers or water bearing zones within a single formation. Surface reclamation, while important to protect the health and safety of persons and animals that may come in contact with hydrocarbon fluids and other residues remaining in the pits and separators, is in my opinion not as urgent as water supply replacement and protection of uncontaminated ground water. Stratigraphic evidence from the geologic log of the "New Railroad" well indicates the presence of at least 40 feet of shale between the surface and the first water sand (4 feet thick) which lies at a depth of about 81 feet. Even with the addition of precipitation (approximately 12 inches per year), the continued presence of fluids in several pits and concrete boxes after more than 25 years of disuse indicates low seepage rates, probably due both to natural conditions (low permeability shales and surface caliche), and sludge and tar residues in unlined pits.

Except as noted in the specific comments presented below, I find that the remedial actions proposed to provide an alternate domestic water supply to homes northeast of the site, and to protect ground water in other aquifers from future movement of contamination between aquifers, are generally adequate. However, the report does not address possible future contamination at the Baca Navajo Indian chapter well (formerly refinery "Trap" well - see comment 1), nor does it address any future actions to delineate the extent and potential for movement of the existing contaminant plume. Also, I believe that the proposed surface reclamation plan is severely deficient because fluid and residual contents of the pits and concrete boxes have not been adequately characterized as to composition or degree of hazard that would be posed by land-spreading the material over a larger surface area. Since additional and potentially hazardous non-refinery-generated materials may have been deposited in the pits over the past quarter-century, land-spreading and mixing before characterization may aggravate the problem with respect to enlarging and making more complex any future clean-up under the auspices of the "Superfund" program. Since immediate action is needed to prevent further human and animal (e.g. sheep, dogs, etc.) contact with the pits, El Paso and ARCO should consider securely fencing the entire area, or at least the pits containing viscous fluids, while a decision is made (in cooperation with affected federal, state and Indian entities) on the preferred method of surface reclamation. However, unresolved surface reclamation issues should not impede nor delay the initiation of measures to mitigate ground water contamination.

#### Specific Comments

1. The continued use of the former refinery "Trap" well (Shomaker, Figure 1; C & J. 13.11.18.221) as a public water supply well for the Baca Navajo Indian chapter should be addressed. This well is located only 300 feet from several of the pits still containing fluids. This 201 foot-deep well is also located about 1,200 feet from the "West" well which is

Mr. John F. Eichelmann, Jr. April 24, 1984
Page 3

completed at the same depth and suspected by EID of being contaminated. No contamination was detected in the Baca chapter well in 1983 EID sampling, and the well is off-gradient to the suspected direction (northeast) of ground water movement. However, the potential for future contamination remains if heavy use causes the pumping cone of depression to intersect the contaminant plume. Unless and until that well is replaced or deepened both state and Indian health agencies should be aware of the potential for contamination and periodically monitor water for organic materials.

- 2. The specific refinery wells which are contaminated or suspected of being contaminated should be listed in Table 1 of Shomaker's report.
- 3. Water levels in the Chinle and the deeper San Andres-Glorieta aquifers should be determined whenever possible during drilling of the replacement domestic wells and prior to sampling of the refinery wells. Water level measurements will help in determining the potential for vertical migration of aquifer fluids between the Middle Chinle water-bearing sands and San Andres-Glorieta aquifer.
- 4. EID sampling detected contamination in the 790 foot-deep "New Railroad" well which is completed in both the Middle Chinle and the San Andres-Glorieta aquifers. The other two deep wells were blocked by debris but the "Old Railroad" well is also known to be completed in both formations. If the vertical gradient is downwards, the contamination at the "New Railroad" well could be migrating into the San Andres-Glorieta aquifer. Since the replacement wells to be completed in the San Andres-Glorieta are close to both "Railroad" wells, they should also be sampled upon completion and again periodically if a downward vertical gradient between aquifers exists.
- 5. Regarding the refinery wells to be plugged, no plan of action is presented if debris (e.g. concrete, steel pipe sections) in the well cannot be removed, or if the casing has collapsed.
- 6. Subsequent to clean out and prior to plugging, water samples at the old refinery wells are proposed to be sampled for volatile organic constituents. The EID suggests that EPA method 624, utilizing a gas chromatograph mass spectrometer, be employed to determine and quantify contaminants on EPA's list of priority pollutants. Common non-priority pollutants (e.g. EDB, xylenes and simple ketones) also will be quantified using this method. EID requests an opportunity to be on site during the sampling to collect and split samples for analyses.
- 7. In addition to the four wells having caps and locks that were shown south of the highway in Figure 3, the two "Railroad" wells north of the highway also have caps and locks. Keys are available at the EID Milan field office and the EID Ground Water Section in Santa Fe ("Abandoned Prewitt Refinery" file).

Mr. John F. Eichelmann, Jr. April 24, 1984 Page 4

8. General comments on the proposed surface reclamation were summarized earlier. I believe it is important to stress that without chemical characterization of the fluids and sludges remaining in the pits, the proposed mixing of materials with clean soil, and land-spreading may be counterproductive. This would be especially true if more extensive clean-up, including possible removal of materials, is later necessary under future "Superfund" mitigation requirements.

Sincerely,

David G. Boyer

David G. Boyer bymse Ground Water Hydrologist

Ground Water Section

DGB:egr

Richard Perkins, Surveillance Section Peter Pache, Hazardous Waste Section Richard Mitzelfelt, EID District I, Manager Ray Madson, EID Field Office, Grants

doe Ramey, OCD, Santa Fe

### PROPOSED REMEDIAL WORK, PREWITT REFINERY SITE, MCKINLEY COUNTY, NEW MEXICO

by
John W. Shomaker
Consulting Geologist

Prepared for:

EL PASO NATURAL GAS COMPANY ARCO OIL AND GAS COMPANY

February 1984

#### CONTENTS

I	page		
INTRODUCTION	1		
REMEDIAL WORK	2		
Replacement wells	2		
Refinery wells	3		
Surface reclamation	7		
REPORTS	10		
Table			
Table 1. Unused refinery wells to be plugged and abandoned	5		
Illustrations			
Figure 1. Prewitt refinery wells (following	10)		
Figure 2. Typical replacement well (following	10)		
Figure 3. Prewitt Refinery reclamation project	(in		

### PROPOSED REMEDIAL WORK, PREWITT REFINERY SITE, MCKINLEY COUNTY, NEW MEXICO

by
John W. Shomaker
Consulting Geologist

#### INTRODUCTION

The purpose of this report is to outline the actions proposed for replacing certain water supply wells, which are or may become contaminated by hydrocarbon fluids, and for eliminating suspected sources of contamination, at and near the abandoned Prewitt Refinery.

Five wells are suspected to be contaminated by hydrocarbons, either as shown by analysis for organic constituents, or as indicated by remarks in published well records, or as indicated by color and odor. These wells are shown, along with other wells on the refinery grounds, on Fig. 1, and are listed in Table 1. Sludge and tar still remain in a number of places on the refinery grounds, as shown on Fig. 3.

One of the wells which is suspected to be contaminated serves for water supply for a private dwelling near the refinery site, and several additional wells (estimated at five) serve other nearby dwellings.

The objectives of the proposed remedial work are:

1. to secure a safe water supply to replace the wells that are still in use which are, or may become, contaminated. The private well suspected of contamination and the five nearby

private wells would be replaced.

- 2. to take steps to stop and/or prevent movement of water between aquifers, and in particular to isolate the uppermost aquifer, which is suspected to contain hydrocarbon contaminants.
- 3. to provide for biodegradation of hydrocarbon residues, sludges, and tars that remain on the surface.

The objectives upon which these proposals are based, and the general procedures proposed, are the result of consultation among representatives of El Paso Natural Gas Co. and ARCO Oil and Gas Co., and the writer.

#### REMEDIAL WORK

Replacement wells: It is proposed to drill a new water well to replace one existing well at each of six dwellings nearest the refinery site, as shown on Fig. 1, if the existing well is completed in an aquifer above the San Andres Limestone. replacement wells would be completed in the San Andres-Glorieta aquifer; each well would be constructed as shown on Fig. 2, with 6 5/8 in. casing cemented top-to-bottom in an 8 3/4 in. hole drilled to the top of the San Andres-Glorieta, and a 5 5/8 in. hole drilled through the aquifer and lined with mill-slotted 4 1/2 in. casing. The wells would be constructed, cased, and cemented in accordance with State Engineer Office regulations for artesian well construction except that a variance would be sought to use welded casing. Each would be equipped with a suitable submersible pump, drop pipe, pitless adapter, sanitary seal and switching equipment, and the connection to the existing water

system provided.

Each of the private wells to be replaced will be plugged and abandoned after the replacement well has been completed and connected to the existing system. In each instance, an attempt will be made to pull the casing; if the attempt is not successful, then the casing will be perforated from the water level to bottom with a mechanical perforating tool. The well will be filled from bottom with cement, placed through a string of drill pipe or tubing, and the pipe or tubing then withdrawn and the filling completed. Pump-pressure will be applied to the cementfilled casing, if the casing has not been pulled, to force cement through the perforations and into the annulus outside the casing. The casing, if any, will be cut off approximately two feet below ground level, and the location cleaned up and releveled. A detailed report of each abandonment will be filed with the State Engineer Office in the required form, and these records will be included in the final report on the project.

Refinery wells: If contaminants are present, as suspected, in the shallowest aquifer beneath part of the refinery grounds and possibly some surrounding area, then communication between that aquifer and deeper aquifers should be prevented. Accordingly, it is proposed to plug and abandon all of the unused refinery wells in such a way as to positively prevent any movement of fluid in them.

There are thought to be three wells about 800 feet deep completed in the San Andres-Glorieta (see Table 1). Each of these will be cleaned out to total depth, if possible, using air

as a circulating medium unless water or mud is required to lift the cuttings, or it is perceived that a danger exists because of volatile fluid in the well. After the well has been circulated clean with air or clear water, it will be pumped by air lift or with a submersible pump to produce three or more casing volumes, and then a water sample will be taken near the top of the San Andres-Glorieta with a "thief" sampler or similar device. The sample will be analyzed for volatile organic constituents.

After the water sample has been taken, an attempt will be made to pull all of the casing and liner. If the liner cannot be pulled, it will be perforated from the water level to bottom with a mechanical perforating tool. If the liner is pulled successfully, but the casing cannot be pulled, an attempt will be made to perforate it. The well will be filled from bottom with cement through a string of drill pipe or tubing, the pipe or tubing withdrawn, and the filling completed. Pump pressure will be applied to the innermost casing or liner remaining, if any, to force cement through the perforations into the annulus outside it as effectively as possible. The casing and/or liner will be cut off at ground level and filled to the surface, if any unfilled volume remains, with rock or soil.

There are thought to be seven unused refinery wells about 200 feet deep, completed in the Sonsela Sandstone bed of the Chinle Formation (see Table 1). Each of these will be cleaned out to total depth if possible, using air as a circulating medium unless a danger is recognized because of volatile organic constituents in the fluid in the well. In such a case, the well will

Table 1. Unused refinery wells to be plugged and abandoned (locations shown on Fig. 1).

Name	C&J location no. $\frac{1}{2}$	expected depth
New Railroad	13.11.17.114	790 ft.
Old Railroad	13.11.17.123	774
Shop	13.11.18.223	803
House	13.11.17.133	200 ?
East	13.11.17.113	200
West	13.11.18.224	200
Bluewater	13.11.17.113a	240
Gas, no. 3	13.11.17.114a	200
· <del></del>	13.11.18,122	200
	13.11.17.141	196
"Possible"	<u>2</u> J	?

<sup>2</sup> location in 13.11.18.224

be circulated with clear water. After the well has been circulated clean, it well be pumped by air lift or with a submersible pump to produce at least three casing volumes, and then a sample will be taken with a bailer from the top of the fluid column. The sample will be analyzed for volatile organic constituents.

After the water sample has been taken, an attempt will be made to pull the casing. If the casing cannot be pulled, it will be perforated from the water level to bottom with a mechanical perforating tool. The well will be filled from bottom with cement through a string of drill pipe or tubing, the pipe or tubing withdrawn and the filling completed. Pump pressure will be applied to the casing, if any remains, in order to force cement through the perforations into the annulus behind the pipe. The casing, if any, will be cut off at ground level and filled to suface with rock or soil.

A casing, which may or may not be a well ("possible well," Table 1), will be sounded with drill pipe. If it is a well, it will be cleaned out, sampled, plugged and abandoned following one or the other of the procedures described above, as indicated by the depth determined. If additional wells not shown in Table 1 are found on the refinery grounds, they will be dealt with in the same manner.

A detailed report of each abandonment will be filed with the State Engineer Office in the required form, and these records will be included in the final report on the project. Casing that is recovered will be hauled to Albuquerque and sold as scrap.

Surface reclamation: It is proposed to provide for biodegradation of hydrocarbon residues that remain on the surface by following the procedures outlined in the section below, titled <u>Proposed Refinery Reclamation Project</u>. The section was prepared by Sterling and Mataya, Engineers-Surveyors, Gallup, New Mexico, and follows the general plan formulated by representatives of El Paso and ARCO, and John Shomaker. Figure 3, which indicates the areas for which various procedures are proposed, is to accompany this section.

#### PROPOSED REFINERY RECLAMATION PROJECT

SUMMARY: The work in this project consists of mixing and processing soil to dilute and areate petroleum residues. Concrete boxes that presently serve as sumps for residues are to be cleaned out, filled-up and graded smooth. Old building materials and associated rubble are to be cleaned up and covered on-site.

Equipment to be used in reclamation work shall be standard earthwork equipment such as; backhoe, dozer, loader, disc, blade and possibly a scraper.

#### LOT 1 (AREA SOUTH OF US 66):

#### ITEM 1:

This item is for areas in which the soil appears darker then normal, slightly oily, or has clods loosely cemented by tars or asphaltic materials. Flat areas shall be thoroughly scarified, mixed and disced into place. Soil in localized areas that shows significant concentrations of petroleum residue may need to be transported to adjacent areas or may require additional soil imported from other areas for mixing. Dikes and berms shall be processed as above and blended into flat areas. Finished areas to be left in "loose" condition graded to prevent ponding or concentrated flow across processed area. More specific descriptions for proposed work is as described below:

- 1A All berms and all flat area within berms to be processed as above.
- 1B Process flat areas between R/W fence and berm as above, where needed.
- 1C Process all berms as above and flat areas within berm where needed.

#### ITEM 2:

This area presently consists of ponds containing heavy concentrations of petroleum residues varying in consistency from that of water to highly viscous, sticky materials. Most of this material along with substantial quantities of underlying and adjacent soil, shall be excavated and transported to the south as shown. The materials are to be spread as directed and mixed and disced into the soil. The finished area shall be left in a "loose" condition, slightly mounded.

In addition, the excavated soil and residue will have to be replaced with clean soil, processed and mixed in place as above.

#### ITEM 3:

This item is for concrete box reclamation at locations shown and similar miscellaneous reclamation as may be required. Petroleum residue shall be removed from all concrete boxes and processed with soil as described in

items 1 and 2 above. Removal shall be done with "back-hoe" type equipment and/or pumps as required. Old piping that protrudes above ground level shall be removed. Box walls that rise above ground level shall be knocked down and into the box. The remaining box void shall be filled with soil and graded smooth. Certain boxes that have walls flush with the ground level may be used for containment of hazardous rubble and other material that may be encountered during site reclamation. Boxes used for such containment shall have all side and bottom openings plugged with concrete before placement of such materials.

This item shall also include clean-up of old furnaces that presently consist of structural steel ribs protruding from mounds of fire clay lining. Protruding steel shall be cut-off to approximate ground level. Mounds shall be spread, topped with soil and graded smooth.

#### ITEM 4:

This item is for reclamation of old buildings originally constructed of rock, wooden framing and stucco. Most of the materials have been knocked down and removed from the site. The remaining material shall be placed in excavated areas adjacent to the original structures. The material shall be placed in relatively thin layers then "walked in" by heavy equipment to acheive a certain degree of pulverizing and compaction. The old building material shall then be covered by a 8" to 10" layer of soil and graded smooth.

#### LOT 2 (AREA NORTH OF US 66):

#### ITEM IN:

This item is for areas in which the soil appears darker than normal, slightly oily, or has clods loosely cemented by tars or asphaltic materials. Flat areas shall be thoroughly scarified, mixed and disced into place. Soil in localized areas that showns significant concentrations of petroleum residue may need to be transported to adjacent areas or may require additional soil imported from other areas for mixing. Finished areas to be left in "loose" condition graded to prevent ponding or concentrated flow across processed area.

#### REPORTS

Reports will be prepared which include a detailed account of all activities in plugging of wells, analyses of water samples, and logs and well records for replacement wells, all as required by the regulations of the State Engineer Office. A map and descriptive information as to the procedures carried out for surface reclamation will be prepared. All of these will be made available to the agencies whose jurisdictions include the Prewitt Refinery Project.

John W. Shomaker Consulting Geologist

JWS 2-84 wells ore opproximate. SEo Tech. Rept. 35. additional sclected and John, locations we1/5 shown for CfJ' number Prewitt

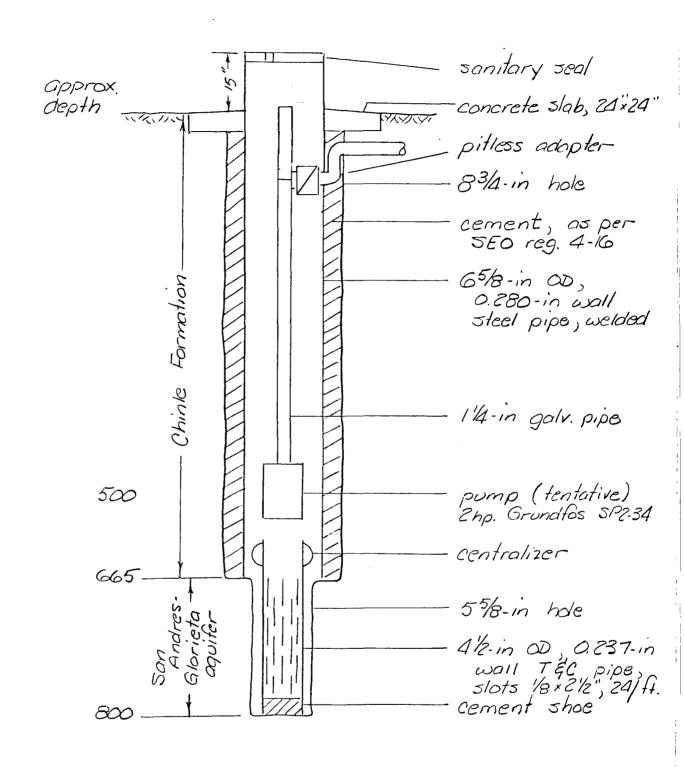
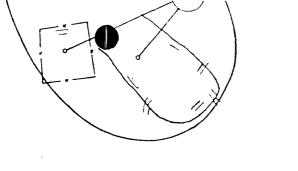


Figure 2. Typical replacement well (not to scale).



Ø Well

BASE LINE I

--H/W - R/W MARKER II+04.44 P.T.

101;

Rebar

Conc. Box Cul.

Figure 3.

PREWITT REFINE

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ENGINEED TOTAL
GALLOD

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Addenda

#### Addendum Number One

## Plugging Specifications and Supervision as Required by the New Mexico State Engineer Office

The following letters from J. W. Shomaker, March 13, 1984 to Charles A. Wohlenberg of New Mexico State Engineer Office District 1, Albuquerque, New Mexico; and from C. A. Wohlenberg, March 13, 1984 to John Shomaker are added to and made a part of this plan: Proposed Remedial Work, Prewitt Refinery Site, McKinley County, N.M., February 1984.

William F. Lorang, P.E.

3/24/84

## JOHN W. SHOMAKER CONSULTING GEOLOGIST 3236 CANDELARIA, N.E. ALBUQUERQUE, NEW MEXICO 87107

(505) 884-2897

March 13, 1984

Mr. Charles A. Wohlenberg State Engineer Office, District 1 2340 Menaul NE, Suite 206 Albuquerque, New Mexico 87107

Re: remedial work at Prewitt Refinery site

Dear Mr. Wohlenberg:

The following additions are to be made part of the Proposed Remedial Work, Prewitt Refinery Site, McKinley County, New Mexico, February 1984.

- l. With respect to wells with more than one casing or liner string, if it does not prove to be feasible to pull the inner casing or liner, and in addition to perforate or pull the outer casing or liner, then both the inner and outer strings will be perforated with jet shots, no fewer than two shots in each 20-foot interval, through the Sonsela Bed of the Chinle Formation. Cement will be placed as described in the <u>Proposed Remedial Work</u>, using pressure at the wellhead to force cement through the perforations and into the annular space between the Sonsela and the casing and thus prevent movement of water in the annulus.
- 2. With respect to all wells that are plugged, a pressure test will be conducted after cement is placed if the level of cement in the well falls significantly.

Sincerely,

John W. Shomaker Consulting Geologist

cc: Mr. Wm. F. Lorang, El Paso Natural Gas Co. Mr. Raymond E. Howard, ARCO Oil and Gas Co.



#### STATE OF NEW MEXICO

#### STATE ENGINEER OFFICE

**ALBUQUERQUE** 

S. E. REYNOLDS STATE ENGINEER March 13, 1934

DISTRICT 1
2340 MENAUL N.E. SUITE 208
ALBUQUERQUE, N.M. 6710711884
PHONE: (505) (#### 6327

John Shomaker 3236 Candelaria, NE Albuquerque, New Mexico 27107

Dear Mr. Shomaker:

The proposed plugging specifications as described in your report, "Proposed Remedial Work, Prewitt Refinery Site, McMinley County, New Mexico", prepared for El Paso Natural Gas Co. and Arco Oil & Cas Co., February 1934 and in your letter of March 12, 1994 are acceptable.

Pased on the available information on these wells, the proposed specifications appear sufficient. However unforeseen problems in one or more of the wells will require specific solutions. Therefore all of the plugging work will be done under the supervision of the State Engineer or his representative.

Very truly yours,

C. A. Wohlenberg

District 1

CAT: km

#### Addendum Number Two

#### Reseeding of Disturbed Areas

In accordance with a condition of entry of the site by the present land owner, the following statement is added to and made a part of this plan: Proposed Remedial Work, Prewitt Refinery Site, McKinley County, N.M., February 1984.

Where soil depth permits, those areas disturbed during site reclamation activities will be reseeded with native range grasses. The reseeding will be closely coordinated with the Navajo Nation, Division of Resources, Environmental Protection Administration and Land Department.

William F. Lorang, P.F

5/24/84

EL Past National God-Eld Meeting Regarding Prewitt Site David Boyer - NMEIL GROUND Wales JOHN SHOMAKER- Consulting Geologist, Albq. David H. Kelega EPNG P. E. Howard - ARCO Dils Gas - Midland Tr. MAXINE S. GOAD NMEID Ground Water ROBERT M. LOWY NM EID - Surveillance, RCRA 3012 Bruce Gallaher EPNG ENVIORNMENTAL Affinio WF LORANG Moetgomery + Andrews 982-3873 JOHN B. DRAPER John Eichelmann EPNG - SAN-FE 988-9809

Prewitt Referency Meeting (Notes of Goal) John Einhelmonn says that EPNG + ARCO The have studied problem. Barnes has sued them.

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was caused long ago parties.

even before VERHE was involved with the facility. (3) Presently and to problem Oragen says EPNS has come to an agreement of with Barras to put in new well to do remedial work at their projectly lohr Shoemaker presented proposed larger remedial works on aftering general O Replacement wells for Barnes & neighbors 3 Plugging old wells at refinery 3 Surface reclamation at refinery PRODE EPN6 have agreed, with Enned and neighbors of site. EMB-has careed to prombe a water mygely for Bornes on S neighter with hot find for mapping, Those Prage Scheme. 1. Drill indereduce new well-For homeowners, plug tolandon of well. New well to be into souther Circutto 2. Mug all the water wells small 3. Clean up lite on surface Darhed Oproper plugging

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(3) Roce Chapter Rouce of the hold up in Bugging

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#### STATE OF NEW MEXICO

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OFFICE OF THE GOVERNOR

SANTA FE 87503

TONEY ANAYA

November 14, 1983

RN 1012

Honorable W.S. Eoff State Senator 2000 McDevitt Gallup, NM 87301

Dear Senator Eoff:

In response to your recent request for information on the Prewitt hydrocarbon contamination incident, the following facts were obtained from staff members at the Health and Environment Department's Environmental Improvement Division (EID).

In response to a citizen request in December, 1982, the EID sampled domestic wells in the vicinity of an abandoned gasoline refinery near Prewitt for hydrocarbon contamination. The well of Mr. Mabon Barnes located northeast and directly adjacent to the site was found to be contaminated with benzene (a constituent of gasoline) in excess of the New Mexico human health ground water standard of 0.01 mg/l. Repeat samplings through the summer of 1983 showed levels of benzene ranging from 0.085 to 1.30 mg/l. Additionally, other hydrocarbon contaminants (toluene, xylene, ethylbenzene) were detected in this well though not at levels detected for benzene. Other private domestic wells adjacent and directly to the east of the Barnes residence were similarly sampled but no detectable hydrocarbon contamination was observed. Members of the Barnes residence were informed that their well water exceeded the benzene standard and currently they are hauling water for all domestic uses, including drinking. The other families continue to use their individual wells.

The site of the abandoned refinery, which was previously owned by El Paso Products Company and MALCO Refinery (now ARCO), was sold in 1966 to the Navajo Tribe and tribal members in the area. A former refinery water well on-site immediately to the west of the processing buildings and tanks is now used by the Baca Navajo Chapter for community supplies. This well was sampled this summer (1983) in cooperation with the Indian Health Service, and no hydrocarbon contamination has been detected to date. However, several other unplugged, uncapped former water supply wells exist on site and the EID was able to obtain water samples from two wells not filled with debris. These wells (closer to the Barnes residence than to the Baca Navajo Chapter well) had concentrations of benzene ranging from 0.047 to 0.116 mg/l. Resampling will be conducted at the refinery site and at the domestic wells later this fall.

The exact mechanism allowing aquifer contamination by benzene and related hydrocarbons remains to be determined. Several unlined pits, and below-grade concrete structures remain at the site and still contain oil, tars and other

Page 2 Honorable W.S. Eoff November 14, 1983

hydrocarbon materials, even though the refinery ceased operation in the mid-1950's. A more likely source of the ground water contamination is leakage from spills and surface discharges during operation down the outside casing of those water supply wells located in the center of the facility.

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The operation of the facility (and likely the contamination) occurred prior to adoption of the Water Quality Control Commission Ground Water Regulations in 1977. These regulations address ground water protection at both new and active existing facilities. Abandoned facilities and clean-up of pollution which occurred before the various laws and regulations were in effect present difficult technical and regulatory problems. Within the past month, the EID has begun an EPA-funded assessment of sites for possible future inclusion on EPA's "Superfund" clean-up list. The Prewitt refinery site is one of several sites state-wide targeted for intensive study, including the possible drilling in six to eight months of monitoring wells to delineate the extent, size, movement, and concentration of the contaminant plume. No money is available under this study for clean-up of ground water contamination, but results of the assessment will be used in determining possible inclusion and ranking of the Prewitt site on EPA's "Superfund" list. Addition of the site to the "Superfund" list would make EPA resources available for cleanup under the Federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. Additionally, it is EID's understanding that litigation is pending between the former refinery owner(s) and Mr. Barnes regarding mitigation of possible health effects and loss of property due to former refinery activities. The EID is unaware of the present status of this litigation.

If you have any further questions please feel free to contact me or Steven Asher, Director of the Environmental Improvement Division at your convenience.

Sincerely.

Robert McNeill Chief of Staff

Office of the Governor

RN:SA:jba

cc: Steven Asher, EID Director

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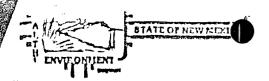
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DATE: April 26, 1983

401

File

FROM:

Tim Reed. Environmentalist

SUBJECT:

PROTECTIVE CAPS ON WELLS AT ABANDONED REFINERY.

PREWITT. NM

On April 21, 1983 protective caps were welded in place on six (6) of the wells at the abandoned refinery near Prewitt, NM. The caps are welded to the well casing and are locked to prevent unauthorized access. All locks are keyed alike. The following is a list of the wells. Identification used is according to most recent literature search. If this identification is unlike the designation given in previous memoranda, it will be so noted in parenthesis. Baca#

MW 1961

"Gas Well" #3

#4 17.114a

68-2

"New" Railroad Well

17.114 → Parf, all wate, bondo

"Old" Railroad Well

17.123

244 190)

"Bluewater" Well #3

17,113a

WesT "Trap Well"

18.224 #6 18.221

"East Well"

# 5 17.113

(gasoline on top of water) (1961)

201 73.5 Trap Well

18,221

RECEIVED

MAY 02 1983

**ENVIRONMENTAL IMPROVEMENT DIVISION** New Mexico Health and Environment Department P.O. BOX 2536 708 URANTUM AVE. MILAN, N.M. 87021 .

EID: WATER POLLUTION CONTROL MAR 4 1983

Mr. Charles Nylander
New Mexico Environmental
Improvement Division
P. O. Box 968
Santa Fe. New Mexico 87503

Dear Mr. Nylander:

This letter is in reference to a February 23, 1983 telephone conversation between Dave Boyer of your staff and Larry Wright of my staff. That conversation concerned the Prewitt Refinery site located near Prewitt, New Mexico.

Mr. Boyer asked about the eligibility of this site for listing on the National Priority List (NPL) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). As noted during the conversation between Mr. Boyer and Mr. Wright, Section 101(14) and Section 104(a)(2) of CERCLA exclude petroleum, including crude oil and any fraction thereof, from response under the Act. It is our understanding that the groundwater contamination at the site results primarily from gasoline from past site operations, although benzene has been detected in the groundwater at high levels. If the contamination results from gasoline only, this could severely impact the ranking of the site. Until we have more complete details about the site, however, we are unable to make the determination concerning the petroleum exclusion.

In order for the site to be listed on the NPL, it must be ranked using the Hazard Ranking System (HRS), as detailed in the July 16, 1982 Federal Register as an attachment to the National Oil and Hazardous Substances Contingency Plan. Please compile and submit all the data and information (technical and legal) available about the site and we will evaluate it and use it to rank the site using the HRS. Mr. Dwight Hoenig (214-767-9712, FTS 729-9712) is in charge of the section that does the ranking and your staff may contact him directly with questions concerning the ranking system.

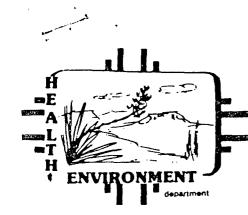
If you have any questions concerning this matter, please contact me at (214) 767-9783 or Karen Solari of my staff at 767-9770.

Sincerely, Original signed by Dave Peters

Dave Peters
Deputy Project Officer (SES-SH)

cc: Mr. Raymond Sisneros (NMEID)

bcc: Sam Nott (6AW-SE) K. Malone (FITL)





**ENVIRONMENTAL IMPROVEMENT DIVISION** P.O. Box 968, Santa Fe, New Mexico 87504-0968 (505) 984-0020 STEVEN ASHER, Director

TONEY ANAYA GOVERNOR

ROBERT McNEILL **SECRETARY** 

ROBERT L. LOVATO, M.A.P.A. **DEPUTY SECRETARY** 

> JOSEPH F. JOHNSON **DEPUTY SECRETARY**

#### MEMORANDUM

T0:

Prewitt Refinery File

FROM:

Geochemist, Liquid Waste/Ground Water Surveillance Patrick Longmire.

David Boyer, Ground Water Hydrologist, Ground Water Section

SUBJ:

Prewitt Hydrocarbon Incident

DATE: January 31, 1983 (finalized April 18, 1984)

On December 20, 1982, the EID Ground Water Section was notified of ground water-hydrocarbon contamination incident occurring in the vicinity of a disassembled petroleum refinery located at Prewitt, New Mexico. Based on available information, the refinery likely operated from the late 1930's until the mid to late 1950's. Because of the discussion given below, we conclude that the source of hydrocarbon contamination is most likely from the petroleum refinery.

On December 20, 1982, the EID Ground Water Section became aware of gasoline contamination in a private well owned by Mr. Mabon Barnes, located 0.3 miles northeast of the old refinery site. Mr. Barnes informed the Milan-EID office on December 7, 1982 about the hydrocarbon contamination in his well. On December 21, 22, and 28, 1982, and January 10, 12, and 14, 1983, Mr. Longmire talked with Mr. Tim Reed, EID-Milan office, regarding the hydrocarbon contamination at Prewitt. Mr. Reed apprised him to the latest sequence of events, which are summarized in a series of memoranda prepared by Mr. Reed, dated December 15, 27 and 28, 1982. An additional memorandum was received by Water Pollution Control Bureau on January 10, 1983. Please refer to Mr. Reed's memoranda for further details regarding this ground-water contamination problem.

The Barnes' have been consuming this water for approximately 17 years. Initial degradation of water quality in the Barnes' well probably began in 1965, according to Mr. Barnes. Two samples recently obtained from the Barnes' outside tap well on December 14, 1982, and January 1, 1983 by Mr. Reed, contained 185 and 280 ug/l benzene. Samples taken inside the house, after carbon filtration, on December 27, 1982, and January 4, 1983 showed less than 1 ug/l and 1.6 ug/l. The New Mexico Water Qualtiy Control Commission (WQCC) standard for benzene is 10 ug/l.

MEMO: Prewitt Refinery File

January 31, 1983

Page 2

Benzene is moderately soluble in ground water, depending on pH and ionic strength. The solubility of benzene in a low ionic strength medium (e.g. uncontaminated ground water) with a neutral pH is approximately 820 ppm at 22°C. Degradation of ground water near the former Prewitt refinery, by hydrocarbon fuels, will probably continue to get worse with time. The more insoluble constituents of gasoline such as toluene, cyclohexane, cyclopentane, napthalenes and aliphatic compounds, are migrating at a much slower rate in the aquifer.

A review of readily available records show that ground water in the alluvium and Triassic Chinle Formation may have been degraded by gasoline and possibly other hydrocarbons since 1961. The ground-water flow in the Chinle sandstone is to the northeast in the vicinity of the refinery, (Cooper and John, 1968). On page 49 of the report, ground water in two wells at the refinery, completed in the Triassic Chinle sandstone, was reported to be contaminated with gasoline. Pertinent information relevant to the gasoline contamination is summarized below (Cooper and John, 1968).

Location	<u>Owner</u>	Total depth of well (feet)	Depth	Measurement date	<u>Remarks</u>
T13N, R11W Section 17.113	El Paso Natural Gas Co.	200	79.6	8/2/61	Gasoline on top of water. Prewitt Refinery
T13N, R11W Section 17.114a	El Paso Natural Gas Co.	200	59.4	8/2/61	Gasoline on top of water; Prewitt Refinery "Gas" well no. 3

In January, 1983 records used in preparing the Cooper and John study on Prewitt were obtained from the USGS in Albuquerque. Two wells at the site (Baca #5 or "East Well", and Baca #4 or "Gas Well") were reported by USGS staff on August 2, 1961 to have strong gasoline odors and gasoline on the measuring tapes. These are the wells reported in the Cooper and John study and listed above. Additionally, a letter dated July 6, 1954, from MALCO Refineries Inc. to the USGS in Albuquerque, included a sheet identifying the Baca #4 well as the "Gas Well" with the remark "well loss gasoline seepage." This indicates that at least one well located a short distance from the Barnes' well contained gasoline, as early as 1954. Results of a limited chemical analysis performed on a sample collected from this well in June, 1948 did not indicate any problems at that time.

The Cooper and John report lists the former Prewitt refinery as having eleven wells with eight completed only in the Chinle Formation, two completed in both the Chinle and the underlying San Andres Limestone, and the remaining well

MEMO: Prewitt Refinery File January 31, 1983 Page 3

completed in the San Andres and Glorieta Sandstone. Only the two wells listed in the table above contained gasoline according to Cooper and John (1968). It is possible that the hydrocarbon fuel has spilled or leaked from surface storage tanks at the Prewitt refinery into ground water and has affected water quality in the vicinity of the old refinery, including the Barnes' well completed in the Chinle Formation.

Evidence of intentional or unintentional surface discharges can be found at the site. Several tar pits have been located north and northwest of the refinery near the railroad tracks. These pits contain high-molecular weight hydrocarbon substances. The tars are viscous and consist of numerous types of long-chain carbon compounds, polynuclear aromatic hydrocarbons, and unsaturated ring compounds. The migration of tar and oil through the subsoil, eventually reaching ground water at a depth of 130 to 180 feet below ground surface, seems unlikely in a short-time span (e.g. 10-20 years). Furthermore, these railroad tar pits are not located hydraulically up gradient from the contaminated wells. Therefore these railroad tar pits are probably not a source of contamination of the Barnes' well.

Boyer and others (1980), after review of the Cooper and John report for the 1980 Surface Impoundment Assessment, stated that the hydrocarbon contamination in the Triassic Chinle Formation was possibly due to (1) surface discharges seeping down the borehole, (2) deliberate injection into the wells, or (3) surface discharges seeping through shale bedrock. However, the latter senario is unlikely.

Based on available information, it is unlikely that seepage of hydrocarbon fuel through the Upper Chinle Formation (estimated thickness up to 118 to 130 feet) could reach ground water in a period of 10 to 15 years. Estimated hydraulic conductivity of the siltstones and mudstones in the Chinle would range from  $10^{-5}$  to  $10^{-8}$  cm/sec (equivalent to 100 feet/1,000 years to 0.1 feet/1,000 years).

At the refinery site, the middle section of the Chinle Formation is a sandstone approximately 70 feet thick (Table 5, Cooper and John, 1968). It is also reported to be "a persistent aquifer" yielding water to domestic, stock, and industrial wells near Thoreau and Prewitt (Cooper and John, p. 21). Since stratigraphic logs show the sand zones beginning about 118 feet, and 1961 water levels at 59 to 79 feet, the aquifer may have been artesian in those locations. Another possible explanation for the shallower water levels may be that a thin sand or sandstone lense exists at that depth. The attachment to the July 6, 1954 MALCO letter listed a 2 foot-thick "Gray water sand (just a seep)" at 81 feet.

The extent of hydrocarbon contamination and direction and rate of migration of the hydrocarbon plume is uncertain with existing data. If contamination exists



MEMO: Prewitt Refinery File January 31, 1983 Page 4

in water sands of the Middle Chinle Formation it will move faster than if present only in the shales. It is possible that the eastern extent of the plume is located near the Barnes' well.' Additionally, the Barnes' well may be located hydraulically down gradient from the refinery, according to the data presented by Cooper and John (1968). It seems likely that the source of hydrocarbon contamination is from the direction of the now abandoned refinery.

#### Regulatory Implications

According to a memorandum written by Mr. Reed (received January 10, 1983 by Water Pollution Control) the title search of Tl3N, R11W, Section 17 and portions of Section 18 revealed that several companies owned the refinery property. The different ownerships of the refinery property are:

Prior to 10/30/41: Robert C. Prewitt

10/30/41 to 5/1/52: Petroleum Products Refining and Producing Company

5/1/52 to 3/16/55: MALCO Refineries, Inc.

3/16/55 to 1/10/56: New Mexico Asphalt and Refining Company (also called

MALCO Asphalt and Refining Company)

1/10/56 to 1/18/66: El Paso Natural Gas Products Company

1/18/66 to present: LeRoy and Billie Navarre 12/6/66 to present: Navajo Tribe of Indians

(NOTE: In 1945 Petroleum Products acquired an additional parcel from Prewitt, and in 1966 the property was divided and sold to separate owners.)

In 1963, pursuant to Section 30-8-1 et seq. NMSA (1978) a public nuisance statute went into effect. Section 30-8-2 of the NMSA (1978) defines polluting water as consisting of "knowingly and unlawfully introducing any object or substance into any body of public water causing it to be offensive or dangerous for human or animal consumption or use." Polluting water constitutes a public nuisance. "For the purpose of this section, 'body of water,' means any public: river or tributary thereof...well or declared or known ground waters." At the time the public nuisance was adopted, El Paso Natural Gas Products Company was the property owner. However, operations had ceased several years earlier. Whether El Paso and other previous owners may be subject to the public nuisance statute of 1963 would require a legal determination.

The NMWQCC Regulations became effective in February, 1977. Since operation at the Prewitt Refinery occurred prior to the effective date of the NMWQCC Regulations, action that the EID can take under Part 3 of the regulations, is limited unless discharges to ground water are continuing from the remaining open hydrocarbon pits at the site.



MEMO: Prewitt Refinery File

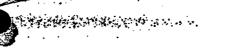
January 31, 1983

Page 5

Section 206.A. of the New Mexico Hazardous Waste Regulations, which became effective on January 6, 1983, are not applicable to the Prewitt situation because the former Prewitt Refinery is no longer in operation. The Resource Conservation Recovery Act (RCRA) applies to new or existing facilities and therefore, may not be applicable. The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (Superfund) would be applicable to this situation.

#### Conclusions and Technical Recommendations

- 1. Initial sampling detected benzene in a private well, used for drinking and domestic purposes, at levels approaching 20 to 30 times the NMWQCC standard of 10 ug/l.
- 2. The benzene found in samples, analyzed by Rick Meyerhein of the New Mexico State Laboratory Division, is indicative of gasoline.
- 3. The Barnes' family should try to obtain water from another source for drinking, cooking, and bathing purposes.
- 4. The ground-water contamination incident at Prewitt should be further investigated and included in the inventory of the hydrocarbon study currently being conducted by the EID.
- 5. As a result of the meeting held January 20, 1983, between the Environmental Improvement Division (EID) and Oil Conservation Division (OCD), it was agreed that the EID will take the lead in the investigation and coordinate with the OCD. The OCD will obtain information they think necessary for the investigation from the refiners.
- 6. If information is to be requested of refiners, the following questions should be asked:
  - a. Are records available of amount of gasoline losses or contamination and if so, how much, when and where?
  - b. Are the refiners aware of any leaky tanks or spillage of any kind while they owned the refinery or prior spillages?
  - c. Where any petroleum products disposed of in a well or wells accidently or intentionally at the Prewitt refinery? If so, how many, which ones, when (time) and locations?
  - d. Is there information on well construction details (casing materials, perforated interval(s), etc.) available for review by EID and OCD personnel?



MEMO: Prewitt Refinery File January 31, 1983 Page 6

e. Are there other wells, besides the "office well" and the well at 17.114, known to be contaminated with hydrocarbons? Suspected contamination includes Bluewater Well (water level at 240 feet), the old and new Railroad Wells. Provide well construction details for all wells.

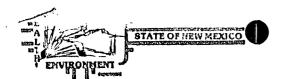
#### Reference

Cooper J.B. and John E.C., 1968, Geology and ground-water occurrence in southeast McKinley County, New Mexico: Technical Report 35, New Mexico State Engineer

PL:DB:egr

cc: EID Field Office Milan
Oil Conservation Division, Santa Fe
Peter Pache, Hazardous Waste Section
Rick Meyerhein, SLD Albuquerque





DATE: December 15, 1982

TOI

7110

FROM:

Tim Reed, Environmentalist

SUBJECT: Possible Groundwater Pollution

On December 14, 1982 a water sample was obtained from the private well at the home of Mabon Barnes, for testing of potential pollution from petroleum. On arriving at the Barnes residence, a glass of water was taken from the kitchen tap. The water had the definite odor of gasoline. A sample was then taken from the outside tap which is not filtered or otherwise treated. In questioning Mr. Barnes about the possible source of such contamination it was determined that a refinery had been in operation across the highway from his home, from 1939 to 1959. Mr. Barnes had been an employee there until its closing in 1959. I requested a tour of the abandoned site.

During the tour Mr. Barnes stated that some of the storage tanks, which had contained regular and ethyl-lead gasolines, were known to have leaked their contents. He showed me the sites where these leaking tanks once stood. One such site was entirely barren, in a perfect circle. No vegetation had grown in this spot since the refinery was dismantled around 1962. He recalled a situation where an employee neglected his operation of the mixing apparatus, allowing 2000-3000 gallons of gasoline to overflow almost every day for a period of 3-4 months. (A conservative estimate gives a figure of 144,000 gallons; 2000gals.X6 daysX12 weeks).

The "transfer pit" had cracks in its concrete foundation. At the end of the day, the 3" to 4" of gasoline in this pit would be left to leak out overnight.

Two of the water wells at the refinery were decommissioned due to pollution from gasoline. When asked for more detail on this Mr. Barnes said the chemist used a sedimentation method for testing the well water and he recalled a figure of 58% gasoline content in the water. "We couldn't use it because it was explosive".

The Barnes residence is approximately .4 of a mile from the position of the storage tank site, to the Northeast. Surface topography indicates that a hydrologic flow is to the Northeast. The use of water in mining activity could also possibly pull a plume of contamination: toward the well used by the Barnes family.

Their well is 175 feet deep with the pump set at about 167 feet. The well is 20 years old. Approximately 18 months ago the pump was pulled. A black sludge had covered the inlet except for one hole, ½ inch in diameter. An odor similar to sewage or rotten eggs was prevalent. This could be indicative of sulfur bacteria. It was suggested that a periodic dosage of chlorine bleach be continued.

3. 11. 13.

### MEMO TO FILE REI POSSIBLE GROUNDWATER POLLUTION

Mr. Barnes developed chronic leukemia about 10 years ago. Mrs. Barnes suffers from dermatological disease at times. Due to these ailments, it would seem imperative that a good quality supply of water be available so as not to compount health problems. Bottled water was suggested and if fixed income will provide, the suggestion may be taken.

The results of the water analyses at SLD are not available as of December 15, 1982.

jq

December 28, 1982

File

FROM:

Tim Reed, Environmentalist

CEC 301982

SUBJECT: BENZENE POLLUTION AT PREWITT. NM

**EID: WATER** POLLUTION CONTROL

On December 27, 1982 a sampling/survey was conducted of the private wells in the vicinity of Mabon Barnes residence. (The Barnes well has been analyzed positive for Benzene contamination.) The Mabon Barnes well is the furthest to the west. All other wells are located in line to the East. (see diagram)

The Barnes well was resampled for Benzene. This sample was taken after the Bon Dellactivated carbon filter unit. A sample was also taken from the outside tap (unfiltered) to be analyzed for Pb. Mn and Fe levels.

Three other wells were sampled, to be analyzed for Benzene. One sample each from wells belonging to Kenneth Polk, Odell Willcox and Rosetta Reynolds. Every attempt was made to accomplish this survey without alarming the residence and causing premature anxiety. If this survey indicates a potential for Benzene contamination in these wells, I will schedule a meeting with the residence at the Prewitt Fire Station; provide all well owners with the same information and answer questions.

All wells sampled are in the Chinle formation. It is suggested that this aquifer may have been contaminated via wells which are not properly sealed; thus allowing upper aquifer contamination of hydrocarbon fuels to infiltrate the aquitard and enter the Chinle formation.

Mrs. Barnes asked for legal advice. She was informed that there are attorneys who are acquainted with hydrology and pollution terminology. I suggested she make inquiries and act on recommendations. She was also informed that the EID records are public records.

. In contacting Oscar Simpson of the Oil Conservation Division I was informed that funds may be available for investigation of the pollution source.

The Barnes family has taken the suggestion to obtain drinking water from another source. They are transporting water from Milan in 5 gallon insulated water containers. I offered to approach the owner of the KOA to obtain permission for using water from his source. Mr. Barnes is independent and would prefer to make that request on his own behalf. Respectfully concurred.

#### ATTACHMENT A

I'm Recel SI

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT SUPPLEMENT SHEET PROWITT

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding number on form

Additional Remark and/or Explanation

I.G.

#### Previous Site Owners - Operators:

Oct, 1941: Petroleum Products Refining Co. leased property from R.C. Prewitt. Lease 6-253.

Jan, 1944: Petroleum Products Refining and Producing Co (successor to Petroleum Products Refining Co) purchased, 75 000 acres from R.C. Prewitt, Refinery area and Railroad siding (Tracts A&B). Deed 12-447.

Dec, 1946: 10 acres of the refinery tract deeded to Roy H. McKay. Quit claim Deed 4-286.

May, 1952: Malco Refineries purchased the property from Petroleum Products Refining and Producing Co. Warranty deed 10-620.

May, 1955: New Mexico Asphalt and Refining Co. purchased the property from Malco Refineries. Warranty deed 12-431

Malco purchased New Mexico Asphalt and Refining Co. and renamed it Malco Asphalt and Refining Co.

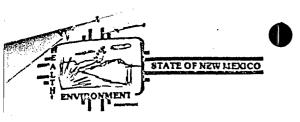
Jan, 1956: El Paso Natural Gas Products Co. purchased the property from Malco Asphalt and Refining Co. Deed 14-753.

vec, 1966: The Navajo Tribe of Indians purchased the property from El Paso Products Co. (successor to El Paso Natural Gas Products Co.). Warranty Deed 17-83

The site consists of two areas. Tract A, contains the refinery proper, south of Hwy 66, 68.216 acres. Tract B, contains a railroad siding, north of Hwy 66 and south of the ATSF right of way 6.784 acres.

Tract A contains one waste pit that has been fenced (photo 8), one depressed area with stained soil that is not fenced(photo 9), an old oil water separator (photo 10) and other rubble and tank bases from equipment that has been removed. There are numerous diversion and containment dikes on the site.

I.i.



# MEMODANDUM

DATE: January 7, 1983

TO: File

FROM: Timothy C. Reed

SUBJECT: Title Search T13N, R11W, Sec. 17 and portions of Sec. 18

A title search of T13N, R11W, Sec. 17 and portions of Sec. 18 was conducted on January 6, 1983 for determination of ownership of property, for the purpose of acquiring information relating to possible Benzene contamination of groundwater in New Mexico.

This search revealed deeds recorded in McKinley County for above property, which was utilized for the processing, refining, or storage of petroleum products.

The following named entities have recorded deeds to this property:

The following named entities have recorded deeds to this property:

El Paso Products Company 1967

Malco Ashphalt & Refining Company 1956

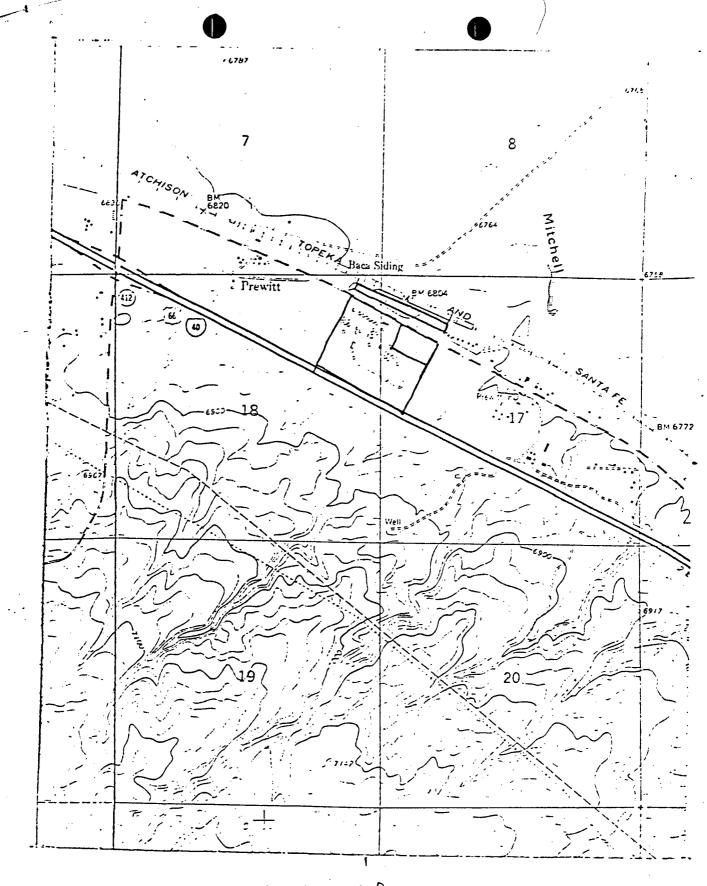
Malco Refineries, Inc. 1955

Petroleum Products Refining & Producing Company 1943

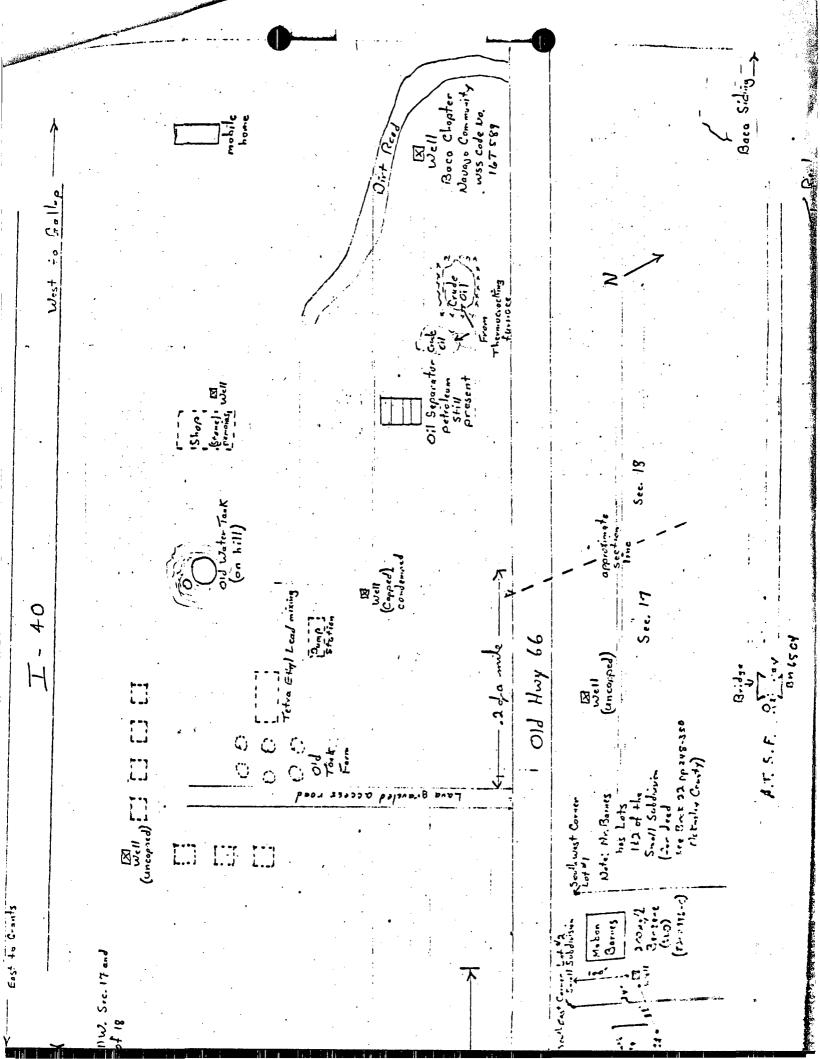
The search showed records dating from 1943 to 1967.

The entities above are listed with the most recent petroleum company first, and in order of Grantor, (1967to1943).

+ 10



Abundaned Refinery Prewitt Tar Pits Prewitt, New Mexico



Helan NMO1228

DEC 6 1982

RECEIVED Of A REGION IVI

Mr. Tim Lassen
ATSF Railway Co.
5200 E. Shelia Street
Los Angeles. CA 90040

1982 DEC -7 PM 1: 20

SUPERFUND BRANCH

Re: Request to Inspect Prewitt Tar Pits in Prewitt, RM

Dear Mr. Lassen:

This is to inform you that Ecology and Environment, Inc. (EEI), is a duly authorized consultant for the U.S. Environmental Protection Agency (EPA). Representatives from EEI may, upon presentation of a Letter of Introduction, enter any facility where hazardous materials are generated, stored, treated, disposed of, or transported to determine compliance with standards, regulations and permits issued pursuant to the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Specifically, this inspection is to determine if an "imminent and substantial endangerment to health of the environment" exists as described by Section 7003 of RCRA or Section 106 of CERCLA. Please be aware this inspection will not include a determination of compliance with RCRA Interim Status Standards. Authority to conduct this inspection is contained in Section 3007 of RCRA and Section 104 of CERCLA.

An inspection may include a review of records, taking photographs, and collecting samples. Representatives of EEI are authorized to collect information which is considered confidential. Any such information must be specified as confidential at the time of the inspection so that appropriate protective measures may be taken.

Mr. K. Malone, EEI, Field Inspection Team Leader, or a member of his staff, will contact you to arrange an inspection.

A copy of the inspection report and any analytical data for your facility may be obtained by writing to Sam Nott (6AW-SE), EPA Region 6, 1201 Elm Street. Dallas. Texas 75270.

6ES-SH:KSOLARI:kfh:x9770:12/6/82

I am enclosing, with this letter, a copy of a report on the site which was recently received in our office. The report is based on a December 15, 1982 inspection of the site by Ecology and Environment, Inc. The site was inspected as a result of its listing in our HAZSIT system.

If you have any other questions related to this matter, please feel free to call me at (214) 767-9709 or FTS 729-9709.

Sincerely yours,

# William Rhea

William B. Hathaway, Deputy Director Air & Waste Managment Division

Enclosure

bcc: /MM 1228

Hoenig, 6AW-SO

	EPA Notification	1 q	Hazardous	Wastr Sita SE Envir	
	NMS-600-001-0	1. U	000343	Agen. F 向 Wesh!	
•	This initial notification information required by Section 103(c) of the Cohensive Environmental Response, C sation, and Liability Act of 1980 and be mailed by June 9, 1981.	is mpre- ompen-	Please type or print i additional space, use paper. Indicate the let which applies.	separate sheets of UU	
1	Person Required to Notify:		F1 Page	Products Company OALP	_
	Enter the name and address of the	person	Name El laso	Toddets company	_
	or organization required to notify.		Street P.O. Box	3986, American Bank Building	_
	/		city Odessa	State Texas Zip Code 79760	_
	Site Location: NMD98-06	2-24	173 01 I D		
5 <b>v</b>	Enter the common name (if known)		Name of Site Old Pr	ewitt Refinery	
	actual location of the site.	anu	Street U.S. High	way 66 (just east of Prewitt on South	
			Provitt	County McKinley State N.M. Zip Code 87045	
	<u></u>		City ITEWICE	Env. Reg.	_
C	Person to Contact:		Name (Last, First and Title)	Hughes, Michael P., Director, Affairs	
	Enter the name, title (if applicable), business telephone number of the p to contact regarding information submitted on this form.	and person	Phone 915/333-		_
<u>D</u>	Dates of Waste Handling:				_
	Enter the years that you estimate w treatment, storage, or disposal bega ended at the site.		unknow Purchased f	n est. 1957 - shutdown rom Malco on Jan. 10, 1956	_
E	Waste Type: Choose the option	you pr	efer to complete		
	Option I: Select general waste type you do not know the general waste encouraged to describe the site in I	s and so	ource categories. If r sources, you are	Option 2: This option is available to persons familiar with th Resource Conservation and Recovery Act (RCRA) Section 300 regulations (40 CFR Part 261).	e )1
	Place an X in the appropriate		of Waste: X in the appropriate	Specific Type of Waste: EPA has assigned a four-digit number to each hazardous walisted in the regulations under Section 3001 of RCRA. Enter appropriate four-digit number in the boxes provided. A copy the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the sit	the of
	1. ⊠ Organics	1. 🗆 M	ining	located.	
	2. ☐ Inorganics	_, _ ,	onstruction		
	3. ☐ Solvents 4. ☐ Pesticides	3. ☐ Te			
			per/Printing		
	6. □ Acids		ather Tanning		
	7. 🛭 Bases	7. 🗆 Iro	on/Steel Foundry		
	8. □ PCBs		nemical, General	·	
	9. Mixed Municipal Waste		ating/Polishing		
			ilitary/Ammunition		
	, , , , , , , , , , , , , , , , , , , ,		ectrical Conductors		
			ansformers tility Companies		
			anitary/Refuse		
			notofinish		
			ab/Hospital		
		17. 🗆 U			
		Cruc	ther (Specify) le Refinery 00 BBL/Day)		
	Form Approved OMB No. 2000-0138				

EPA Form 8900-1

	Waste Site	Side Two	~	
	ntity:	Facility Type	Facility Waste A	mount
	n the appropriate boxes to a facility types found at the site. al facility waste amount" space estimated combined quantity a) of hazardous wastes at the site ag cubic feet or gallons. In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	1.  Piles 2.  Land Treatment 3.  Landfill 4.  Tanks 5.  Impoundment 6.  Underground Injection 7.  Drums, Above Ground 8.  Drums, Below Ground 9.  Other (Specify)	cubic feet gallons Total Facility Area square feet 1300 acres	• (
G	Known, Suspected or Likely Releases t	to the Environment:		
	Place an X in the appropriate boxes to indica or likely releases of wastes to the environme		☐ Known ☐ Suspected	☐ Likely ☐ None
	Note: Items Hand I are optional. Completing hazardous waste sites. Although completing	g these items will assist EPA and Stat g the items is not required, you are er	e and local governments in loc ncouraged to do so.	cating and assessing
H	Sketch Map of Site Location: (Optional Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.	al)		
	Description of Site: (Optional)			
•	Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.			
J	Signature and Title:  The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".	Name Michael P. Hughes  Street El Paso Products ( City Odessa . Sta	TX 79760	Owner, Present Owner, Past Transporter Operator, Present Operator, Past Other

A STATE OF THE PARTY OF THE PAR	ت هيد	•	<i>y</i>	
CDΛ	Motification	of Hazardous	Macta Sita	•
· F 13/1	10111111111111111111		VVASIE JIE	

18 I3 Other (Specify)

Lara Approved

SEPA	A Notificatio	n of	Hazardous	Waste Si	t <u>e</u>		United States Environmental Protection  April
	NMS-000 -001 -	027	000504	•			Washington DC 20460
require hensive sation,	itial notification information of by Section 103(c) of the (environmental Response, and Liability Act of 1980 and by June 9, 1981.	n is Compre- Compen-	Please type or print in additional space, use	separate sheets of	Ú.	9.1	981
		<del></del>				AL	<u> </u>
A Persor	n Required to Notify:		Peti	roleum Produ	cts Refin	ing an	d-Producing Com
	he name and address of the nization required to notify.	e person		Jack V. McG			
	,		cny Abi	lene	State	TX	Zip Corte 79608
3 Site L	ocation: NMD98-00	62-27	1 <i>49</i>	roleum Produ	ct's Pofi	nary	
Enter t	he common name (if knows location of the site.		Name of Site PEL		CL 3 RET	ilei y	: "
447	2-Nmoo	281		LEWIETURY MCK	inleystate	NM	Zip Code 8 70 45
	n to Contact:				7.1 -	N ± ± =	
	ine name, title (if applicable		Name (Last, First and Title)	Watrous, R	conald E.	Atto	rney
	iss telephone number of the tact regarding information	person	Phone 915/698-	8800			
	tted on this form.						
D Dates	of Waste Handling:	•	<del></del>				
treatm	the years that you estimate ent, storage, or disposal be at the site.		From (Year) 1938	} To (Year) ] [	949	·	
E Waste	Type: Choose the optio	10 VOU 0	refer to complete		•		
Option you do	n I: Select general waste ty not know the general was raged to describe the site in	pes and s te types o	ource categories. If ir sources, you are		ervation and R	scovery A	ersons familiar with (his let (RCRA) Section 3001
Place a boxes.	al Type of Waste: an X in the appropriate The categories listed p. Check each applicable ory.		of Waste: X in the appropriate	listed in the reg appropriate fou the list of hazar contacting the f	ed a four-digit julations unde r-digit number dous wastes a	r Section in the bo ind codes	to each hazardous waste 3001 of RCRA. Enter the exes provided. A copy of can be obtained by State in which the site is
1. 🗆	Organics	1. IJ M	lining	located.			
	Inorganics		onstruction	K049	1 [		
	Solvents	3 🗆 T	-	K051			
	Pesticides		ertilizer	K052			
	Heavy metals		aper/Printing				
	Acids		eather Tanning				
	Bases PCBs		on/Steel Foundry				
			hemical, General				
	Mixed Municipal Waste Unknown		lating /Polishing Military/Ammunition		-		
	Other (Specify)			ļ	J		
نا ۱۰	Other Jahechyl		lectrical Conductors : ransformers		J L	]	
			Itility Companies	1			•
			ianitary: Refuse				
			hatafinish				
			ab 'Hospital				
			Jakaowa	-			

	Notification of Hazardous Waste Site	Side Two	
F	Waste Quantity	Facility Type	Total Facility Waste Amount
	Place an X in the appropriate boxes to indicate the facility types found at the site.	1 🗆 Piles	eubic teet unknown
	In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site	2. 🗆 Land Treatment 3. 🖄 Landfill 4. 🗀 Tanks	Total Facility Area
-	using cubic feet or gallons.  In the "total-facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	5. ⋈ Impoundment 6. □ Underground Injection 7. □ Drums, Above Ground 8. □ Drums, Below Ground 9. □ Other (Specify)	square feet UNKNOWN acres
G	Known, Suspected or Likely Releases to	the Environment:	
	Place an X in the appropriate boxes to indicat or likely releases of wastes to the environment		☐ Known ☐ Suspected ☐ Likely X None
	Note: Items Hand I are optional. Completing hazardous waste sites. Although completing	these items will assist EPA and State a the items is not required, you are enco	nd local governments in locating and assessing uraged to do so
Ή	Sketch Map of Site Location: (Optiona	1)	
	Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.		
	•		•
		•	
	•		
	•		
-	Description of Site: (Optional)	Closed netroleum ref	inery. Likely that wastewater
•	Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.	treatment pond sludg disposed of at site	es and leaded tank bottoms were but no specific knowledge. No nly refinery ever located in
	•	•	
	-	,	<u>.</u>
J	Signature and Title:		
	The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the	Street c/o Jack V. McGlothl  City Abilene State	in, P. 0. Box 5198 TX Zip Code 79608  Producing Company Company Source Company
	relationship to the site of the person required to notify If you are not required to notify check "Other"	Signature MONDE CONTRACT	2) Date (19/9)   Doller

[FR Doc. 81-11500 Filed 4-14-81; 8:45 am] BILLING CODE 6580-29-C

## CALIFORNIA ANALYTICAL LABORATORIES

## PESTICIDES - EPA PROJECTS

•	. `	•	I.AR N	0: 8859-1
		 1. //	SAMPLE I CONC. FACTOR (WET WT CONC. FACTOR (DRY WT	D: L 3(176)
		SIGNATURES OF PI	CRSONS REPORTING DATA	
EPA NO.	COMPOUND	UG/G UG/G	EPA NO. COMPOUND	UG/L_OR UG/G
102	A-BHC	NO	113 TOXAPHENE	NO
105	G-BHC .		106 PCB-1242	
103	В-ВНС		107 PCB-1254	
100	HEPTACHLOR		112 PCB-1016	
104	D-BHC		108 PCB-1221	
89	ALDRIN		109 PCB-1232	
101	HEPTACHLOR EPOXIDE		110 PCB-1248	
95	ENDOSULFAN I (A)		111 PCB-1260	4
90	DIELDRIN			_
93	4,4'-DDE		peak hei SURROGATE <u>SAMPLE/SURR</u>	ght OGATE % RECOVERY
94	4,4'-DDD	***************************************	130 DIBUTYL	-
98	ENDRIN	-	CHLORENDATE	
<b>¥</b> ≢96 →	ENDOSULFAN II (B)		DATA APPROVED BY:	A STATE OF THE STA
92	4,4'-DDT		They !	1000
97	ENDOSULFAN SULFATE		- Churchiodey	ut -
99	ENDRIN ALDEHYDE			,
91	CHLORDANE	<u> </u>		
date i	injected 12/183 14.	std ID /2	///83 11:36 COMMENTS:	
			·	
	*******************************			
	Retection x 10	-6/		5

) 77 F

MAN

Lab. Number: 8842-3V
Sample ID: F 5095 10UL
Date Injected: 11/16/13
# of Searches attached:
No peaks to search: \_\_\_\_\_\_

VOLATILES

HIGH HAZARD

(signatures of persons reporting data)

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or
998	Bromochloromethane (I.S.)	151	128	3/029	50
88	Vinyl chloride		62		
50	Dichlorodifluoromethane		101		
45	Methyl chloride		50		
46	Methyl bromide		94		
16	Chloroethane		64		
44	Methylene chloride		- 84		
2	Acrolein		56		
3	Acrylonitrile		53		
49	Trichlorofluoromethane		101		<del></del>
29	1,1-Dichloroethylene		<del>9</del> 6	•	
13	1,1-Dichloroethane		63		
<b></b> , <b>30</b> ,	1,2-trans-Dichloroethylene		<del>9</del> 6		
23	Chloroform		83		1
994	D4-1,2-dichloroethane	193	102	19295	93
10	1,2-Dichloroethane		<b>9</b> 8		
11	1,1,1-Trichloroethane		97		
6	Carbon tetrachloride		117	:	
48	Dichlorobromomethane		127	•	

Lab nun	mber:	
Sample	ID:	

(signatures of persons reporting data)

EPA NO.	COMPOUND NAME	SCAN ION TO NO. QUANT.	AREA	ug/g ug/g
<del>9</del> 67	1-Chloro-2-bromopropane (I.S.)	294 77	84742	50
32	1,2-Dichloropropane	112	· · ·	
33	Cis & trans-1,3-dichloropropylene	75		
4	Benzene	78		
87	Trichloroethylene	130		
51	Chlorodibromomethane	127		
19	2-Chloroethylvinyl ether	106		<del></del>
14	1,1,2-Trichloroethane	97		
47	Bromoform	173		
999	1,4-Dichlorobutane (I.S.)	355 ss	118266	50
85	Tetrachloroethylene	164		
15 ′	1,1,2,2-Tetrachloroethane	83	·	
971	D8-Toluene	367 100	180134	795
86	Toluene	367 91	186134	95 psm
7.	Chlorobenzene	112		
38	Ethylbenzene	106		
956	Bromofluorobenzene	<del>983</del> 174	180/39	95

## PESTICIDES - EPA PROJECTS

		LA]	B NO:	8242-1	· · · · · · · · · · · · · · · · · · ·
	5	SAMPLI	E ID:	F5095	
CONC.	FACTOR	(WET	WT):	19/16m	1
CONC	FACTOR	(DRY	WT1.	7,	•

Kirk land

## SIGNATURES OF PERSONS REPORTING DATA

EPA NO.	COMPOUND	UG/L OR	EPA NO. COMPOUND	UG/L OR
102	A-BHC	N.D	113 TOXAPHENE	NO
105	G-BHC		106 PCB-1242	
103	В-ВНС		107 PCB-1254	
100	HEPTACHLOR		112 PCB-1016	
104	D-BHC		108 PCB-1221	
89	ALDRIN		109 PCB-1232	
101	HEPTACHLOR EPOXIDE		110 PCB-1248	
95	ENDOSULFAN I (A)		111 PCB-1260	
90	DIELDRIN			
93	4,4'-DDE		peak height SURROGATE SAMPLE/SURROGA	TE Z RECOVERY
94	4,4'-DDD		130 DIBUTYL-	
98	ENDRIN		CHLORENDATE	
96	ENDOSULFAN II (B)		DATA APPROVED BY:	
92	4,4'-DDT		flodeget	<del></del> _
97	ENDOSULFAN SULFATE		Withou p	1.001
99	ENDRIN ALDEHYDE	· · · ·	4	
91	CHLORDANE	<u> </u>		
date :	injected /2/5/83 575	std ID /2/	/s/x3 Y:00 COMMENTS:	
1	Defection x5:50	7 =		

779F

Maria

Lab. Number: 8843-31/
Sample ID: 5096 1004
Date Injected: 11/16/83
# of Searches attached:
No peaks to search: 11/16/83

**VOLATILES** 

HIGH HAZARD

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or
998	Bromochloromethane (I.S.)	151	128	31126	50
88	Vinyl chloride		62		
50	Dichlorodifluoromethane		101		
45	Methyl chloride		50		
46	Methyl bromide		94		
16	Chloroethane		64		
44	Methylene chloride  Acrolein  Acrolein	/	84		
2	Acrolein		56		•
<b>3</b> .	Acrylonitrile		53		
49	Trichlorofluoromethane		101		
29	1,1-Dichloroethylene		96		
13	1,1-Dichloroethane		· 63		
30	1,2-trans-Dichloroethylene		96		
23	Chloroform	· ·	83		
994	D4-1,2-dichloroethane	193	102	20108	97
10	1,2-Dichloroethane		98	•	
s <b>11</b>	1,1,1-Trichloroethane		97		
6	Carbon tetrachloride		117		
48	Dichlorobromomethane		127		

Lab nur	mber:	
Sample	ID:	

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or ug/g
<del>9</del> 67	1-Chloro-2-bromopropane (I.S.)	299	77	96630	50
32	1,2-Dichloropropane	· ·	112		
33	Cis & trans-1,3-dichloropropylene		<b>75</b> .		
4	Benzene	· .	78		
87	Trichloroethylene		130		
51	Chlorodibromomethane	<del></del>	127		
19	2-Chloroethylvinyl ether		106		<u> </u>
14	1,1,2-Trichloroethane		97		
47	Bromoform	<del></del>	173		
999	1,4-Dichlorobutane (I.S.)	355	- 55	116098	50
85	Tetrachloroethylene		164		
15	1,1,2,2-Tetrachloroethane		83		
971	D8-Toluene	367	100	203461	3/09
86	Toluene		91	-	
7	Chlorobenzene	·.	112		
38	Ethylbenzene		106	-	
956	Bromofluorobenzene	4-83	174	207 Muss	113
				114514	

## PESTICIDES - EPA PROJECTS

•	*			LAB NO: 8843-P	<u>.</u>
	•	12 11	CONC. FACTO	SAMPLE ID: F5096.  R (WET WT): 19/10mf  R (DRY WT):	
		SIGNATURES OF I	ERSONS REPORTING DAT	Δ	
EPA NO.	COMPOUND	UG/B	EPA NO. COMPOUND	UG/L_OR UG/G	
102	A-BHC	NO	113 TOXAPHENE	<u> NO</u>	
105	G-BHC	•	106 PCB-1242		
103	B-BHC		107 PCB-1254		
100	HEPTACHLOR		112 PCB-1016		
104	D-BHC		108 PCB-1221	-	
89	ALDRIN	NO	109 PCB-1232		
101	HEPTACHLOR EPOXIDE	0.15	110 PCB-1248	4	
95	ENDOSULFAN I (A)	NO	111 PCB-1260		
90	DIELDRIN	105 <u>105</u>			
93	4,4'-DDE	NO -	SURROGATE SA	peak height MPLE/SURROGATE Z RECOVE	RY
94	4,4'-DDD	NO	130 DIBUTYL-	TTC -	
98	ENDRIN	0.23	CHLORENDA		
96	ENDOSULFAN II (B)	NO	DATA APPROVED E	BY:	
92	4,4'-DDT		Sood	lezat	
97	ENDOSULFAN SULFATE		Sittle	on Och	
99	ENDRIN ALDEHYDE		•	1	
91	CHLORDANE		•		
date	injected //u/e3 2	std ID_	11/30/83 14:50 CON	ments:	
		·			
	Potestan & 10	-6% fraction		<b>-</b>	

Lab. Number: 8849-3V

Sample ID: = 5097 / 00 L

Date Injected: (1/16/8)

# of Searches attached:

No peaks to search: \_\_\_\_\_\_

VOLATILES

HIGH HAZARD

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or
998	Bromochloromethane (I.S.)	<u> 5</u> 0	128	29422	50
88	Vinyl chloride		62		
50	Dichlorodifluoromethane		101		
45	Methyl chloride		50		
46	Methyl bromide		94		
16	Chloroethane		64		
44	Chloroethane  Methylene chloride  Acrolein	<del></del>	<b></b> 84		
2	Acrolein		56		
3	Acrylonitrile		53		
49	Trichlorofluoromethane		101		
29	1,1-Dichloroethylene		96		
13	1,1-Dichloroethane		63		, un
30	1,2-trans-Dichloroethylene		96		
23	Chloroform		83		
994	D4-1,2-dichloroethane	192	102	19016	97
10	1,2-Dichloroethane		98	•	
11	1,1,1-Trichloroethane	-	97		
6	Carbon tetrachloride		117		
48	Dichlorobromomethane		127	: · · · · · · · · · · · · · · · · · · ·	

Lab nun	mber:
Sample	ID:

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or ug/g
967	1-Chloro-2-bromopropane (I.S.)	192	77	77081	50
32	1,2-Dichloropropane		112		/
33	Cis & trans-1,3-dichloropropylene	***************************************	75		
4	Benzene		78		
87	Trichloroethylene		130		
51	Chlorodibromomethane	<del></del>	127		
19	2-Chloroethylvinyl ether		106		
14	1,1,2-Trichloroethane		97	•	
47	Bromoform	***********	- 173		
999	1,4-Dichlorobutane (I.S.)	359	55	10/027	50
85	Tetrachloroethylene		164		
15	1,1,2,2-Tetrachloroethane		83	•	
971	D8-Toluene	365	100	174564	3/08
86	Toluene	• .	91	·	
7	Chlorobenzene		112		
38	Ethylbenzene		106		
956	Bromofluorobenzene	481	174	1745640	108 MM
		<del>a</del> n in the second		105663	120

## PESTICIDES - EPA PROJECTS

		•				LAB NO:		P
		Lift.		CONC.	FACTOR	SAMPLE ID: (WET WT): (DRY WT):		<u></u>
	SI	GNATURES OF PER	SONS R	EPORT1	NG DATA		•	
EPA NO.	COMPOUND	UG/L OR UG/G	EPA NO	COM	POUND		UG/IL O	
102	A-BHC	NO_	113	TOX	APHENE	•	ND	
105	G-BHC ·		106	PCB	-1242			<del></del> .
103	B-BHC		107	PCB	-1254			
100	HEPTACHLOR		112	PCB	-1016			
104	D-BHC	7	108	PCB	-1221			
89	ALDRIN	NO.	109	PCB	-1232			
101	HEPTACHLOR EPOXIDE	0.38	110	PCB	-1248			_
95	ENDOSULFAN I (A)	NO	111	PCB	-1260		<u> </u>	<del></del>
90	DIELDRIN				•			
93	4,4'-DDE		SURR	OGATE		peak heigh PLE/SURROG		OVERY
94	4,4°-DDD		130		UTYL-	<b>-</b>	÷	
98	ENDRIN			CHL	ORENDAT	E	<del>_</del> ,	
96	ENDOSULFAN II (B)	White Hade	· · DAT	A APPR	OVED BY		i entire	
92	4,4'-DDT			S	Sol	en de		
97	ENDOSULFAN SULFATE		_	40	Then	20	. Wor	4
99	ENDRIN ALDEHYDE	WEST VERY NO	1	in the same	of the s	July 1		7 400
91	CHLORDANE			, ,			range and the second	e. Komo azok
date i	injected 12/5/83 6:20	std ID	15/83	1:00	COMM	ENTS:		
								<b>*</b> :
* ** **							#5 **. <b>*</b>	•
e dasan in	Detection x5-6%. Detection x50- 15%.	12/		i Santa				
Marian Marian Mariantan	Vetection x So- 15%.	+5011	cx.	di d			and the second s	ا کا

CASE # 779F

MM

Lab. Number: 884503V
Sample ID: F5090, 10m
Date Injected: 11/16/83
# of Searches attached:
No peaks to search:

VOLATILES

HIGH HAZARD

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or ug/g
998	Bromochloromethane (I.S.)	151	128	31017	50
88	Vinyl chloride		62		
50	Dichlorodifluoromethane		101		
45	Methyl chloride		50	-	<del></del>
46	Methyl bromide	<del></del>	94		
16	Chloroethane		64		
44	Methylene chloride  Acrolein	/	84	\	
2	Acrolein		56		
3	Acrylonitrile Out		53		
49	Trichlorofluoromethane		101		
29	1,1-Dichloroethylene	<u></u>	<del>9</del> 6		
13 .	1,1-Dichloroethane		63		
30	1,2-trans-Dichloroethylene		96		
23	Chloroform		83		
994	D4-1,2-dichloroethane	193	102	18565	89
10	1,2-Dichloroethane	_	98		
11	1,1,1-Trichloroethane	••••	97		
6	Carbon tetrachloride		117		
48	Dichlorobromomethane		127		

Lab number: 884503V
Sample ID: F5098, 101

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or
967	1-Chloro-2-bromopropane (I.S.)	294	77	83318	50
32	1,2-Dichloropropane		112		
33	Cis & trans-1,3-dichloropropylene		75	-	
4	Benzene		78		
87	Trichloroethylene	•	130		
51	Chlorodibromomethane		127		
19	2-Chloroethylvinyl ether	-	106		
14	1,1,2-Trichloroethane		97		_
47	Bromoform	<del></del>	173		
999	1,4-Dichlorobutane (I.S.)	355	55	115042	50
85	Tetrachloroethylene		164	·	
15	1,1,2,2-Tetrachloroethane	<del></del>	83		
971	D8-Toluene	367	100	176960	96
86	Toluene		91		
7	Chlorobenzene		112		
38	Ethylbenzene		106		
956	Bromofluorobenzene	493	174	107316	107

## PESTICIDES - EPA PROJECTS

		u	LAB NO: SAMPLE ID: CONC. FACTOR (WET WT): CONC. FACTOR (DRY WT):	F5098
	Wingston Planting and an adjust to the state of the state	SIGNATURES OF I	PERSONS REPORTING DATA	<b>-</b>
EPA NO.	COMPOUND	UG/L OR	EPA NO. COMPOUND	UG/L OR
102	A-BHC	NO	113 TOXAPHENE	NO
105	G-BHC		106 PCB-1242	
103	В-ВНС		107 PCB-1254	
100	HEPTACHLOR		112 PCB-1016	
104	D-BHC		108 PCB-1221	
89	ALDRIN		109 PCB-1232	
101	HEPTACHLOR EPOXIDE		110 PCB-1248	
95	ENDOSULFAN I (A)		111 PCB-1260	<u> </u>
90	DIELDRIN			
93	4,4'-DDE		peak heigh SURROGATE SAMPLE/SURROG	
94	4,4'-DDD		130 DIBUTYL-	
98	ENDRIN		CHLORENDATE	
96	ENDOSULFAN II (B)		DATA APPROVED BY:	
92	4,4'-DDT		Anthon ().	Derg
97	ENDOSULFAN SULFATE		<del></del>	
99	ENDRIN ALDEHYDE		·	
91	CHLORDANE	4		
	injected 12/5/83 7:	52 std ID	12/5/83 4:00 COMMENTS:	
•			į ·	
.• .	011			
	Netection x 5 Detector x 50	-6/ freetien	, ,	5

Mill

Lab. Number: 984603V
Sample ID: F5099 12w
Date Injected: 1/16/83
# of Searches attached:
No peaks to search:

VOLATILES

HIGH HAZARD

Rest S. M. Lel Mrs. J. (signatures of persons reporting data)

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or ug/g
998	Bromochloromethane (I.S.)	150	128	32715	50
88	Vinyl chloride	<u> </u>	62		
50 ·	Dichlorodifluoromethane		101		
45	Methyl chloride		50		
46	Methyl bromide		94		
16	Chloroethane		64		
44	Methylene chloride		84		
2	Acrolein	<del></del>	56		
3	Acrylonitrile Quit		53		
49	Trichlorofluoromethane		101		
29	1,1-Dichloroethylene		96		
13	1,1-Dichloroethane		63		\
30	1,2-trans-Dichloroethylene		96		<del>\</del>
23	Chloroform		83		
994	D4-1,2-dichloroethane	<u>192</u>	102	17619	86
10	1,2-Dichloroethane	_	98	••	· <del></del>
11	1,1,1-Trichloroethane		97		
6	Carbon tetrachloride		117		
48	Dichlorobromomethane		127	-	

Lab number: 884603V Sample ID: F5099 1011

		•	
EPA NO.	COMPOUND NAME	SCAN ION TO ug/L NO. QUANT. AREA ug/g	
<del>9</del> 67	1-Chloro-2-bromopropane (I.S.)	294 77 8216B 50	2_
32	1,2-Dichloropropane	112	<del></del>
33	Cis & trans-1,3-dichloropropylene	. 75	
4	Benzene	78	<del></del>
87	Trichloroethylene	130	
51	Chlorodibromomethane	127	<del></del>
19	2-Chloroethylvinyl ether	106	·
14	1,1,2-Trichloroethane	97	
47	Bromoform	173	
999	1,4-Dichlorobutane (I.S.)	355 55 107564 5	0
85	Tetrachloroethylene	164	
- 15	1,1,2,2-Tetrachloroethane	83	
971	D8-Toluene	<u>367</u> 100 <u>184548</u> 311	09
86	Toluene	91	
7	Chlorobenzene	112	
38	Ethylbenzene	106	
956	Bromofluorobenzene	492 174 141888 13	B RSM
		. 17	28

## PESTICIDES - EPA PROJECTS

			CONC.	FACTOR (WET V	ID: <b>F5099</b> NT): 16 /10ml
		SIGNATURES OF	CONC.  PERSONS REPORTI	FACTOR (DRY W	/T):
EPA NO.	COMPOUND	UG/L OR	EPA,	POUND	UG/L OR UG/G
102	A-BHC	NO	113 TOX	APHENE	NO
105	G-BHC		106 PCB	-1242	
103	В-ВНС		107 PCB	-1254	
100	HEPTACHLOR		112 PCB	-1016	
104	D-BHC		108 PCB	-1221	
89	ALDRIN		109 PCB	-1232	
101	HEPTACHLOR EPOXIDE		110 PCB	-1248	
95	ENDOSULFAN I (A)		111 PCB	-1260	
90	DIELDRIN				
93	4,4'-DDE		SURROGATE	peak he SAMPLE/SUI	eight RROGATE Z RECOVERY
94	4,4'-DDD	*		UTYL- ORENDATE	
98	ENDRIN				and and the angles of the second state of the second second second second second second second second second se
92	ENDOSULFAN II (B)			OVED BY:	<b>P</b> -
97	ENDOSULFAN SULFATE	<del></del>		a Hi	0.0
99	ENDRIN ALDEHYDE	STATE OF THE	State May 1919		The same of the sa
91	CHLORDANE	***	•		
date	injected 11/29/83 2	std ID	u/29/83 18:11	COMMENTS:	
					dans e

CASE # 7798

MM

Lab. Number: <u>0047031/</u>
Sample ID: <u>F5100 10.65</u>
Date Injected: <u>1/10/83</u>
# of Searches attached:
No peaks to search: \_\_\_\_\_

VOLATILES

HIGH HAZARD

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	· AREA	ug/L or ug/g
998	Bromochloromethane (I.S.)	151	128	32882	50
88	Vinyl chloride	<del>\</del>	62		
50	Dichlorodifluoromethane		101		•
45	Methyl chloride		50		44.
46	Methyl chloride  Methyl bromide  Chloroethane	-	94		· · · · · · · · · · · · · · · · · · ·
16	Chloroethane		64		· · · · · · · · · · · · · · · · · · ·
44	Methylene chloride		. 84	<del></del>	
2	Acrolein		56		-
<b>3</b> .	Acrylonitrile		53		
. 49	Trichlorofluoromethane		101		
29	1,1-Dichloroethylene		96		
13 .	1,1-Dichloroethane		63	••	
30	1,2-trans-Dichloroethylene		96		
23	Chloroform		83		
994	D4-1,2-dichloroethane	193	102	19794	90
10	1,2-Dichloroethane		98	<u>.                                    </u>	
e <b>11</b>	1,1,1-Trichloroethane		97		
6	Carbon tetrachloride		117		
48	Dichlorobromomethane		127		

CFSE # 779=

Lab number: 8647031/ Sample ID: F5100 1614

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or
967	1-Chloro-2-bromopropane (I.S.)	294	77	86268	50
32	1,2-Dichloropropane		112		
33	Cis & trans-1,3-dichloropropylene		75		
4	Benzene		78		
87	Trichloroethylene		130		,
51	Chlorodibromomethane		127		
19 ·	2-Chloroethylvinyl ether		106		
14	1,1,2-Trichloroethane		97		
47	Bromoform		173		
999	1,4-Dichlorobutane (I.S.)	355	55	111130	50
85	Tetrachloroethylene		164		
15	1,1,2,2-Tetrachloroethane		83		-
<del>9</del> 71	D8-Toluene	367	100	201827	110
86	Toluene		91	•	
7	Chlorobenzene		112		
38	Ethylbenzene		106		
956	Bromofluorobenzene	482	174	126383	130

## PESTICIDES - EPA PROJECTS

	·		CONC. F	FACTOR (WET WT):	1g/10ml
	-	SIGNATURES OF P	ERSONS REPORTING	DATA	
EPA NO.	COMPOUND	UG/L_OR UG/G	EPA NO COMPO	DUND	UG/L OR UG/G
102	A-BHC	NP	113 TOXAF	HENE	NO
105	G-BHC		106 PCB-1	.242	
103	В-ВНС		107 PCB-1	254	
100	HEPTACHLOR		112 PCB-1	.016	
104	D-BHC		108 PCB-1	221	
89	ALDRIN		109 PCB-1	1232	
101	HEPTACHLOR EPOXIDE		110 PCB-1	1248	
95	ENDOSULFAN I (A)		111 PCB-1	1260	
. 90	DIELDRIN				
. 93	4,4°-DDE		SURROGATE	peak height SAMPLE/SURROGA	TE % RECOVERY
94	4,4°-DDD	<u>.</u>	130 DIBU		
98	ENDRIN	!	CHLOI	RENDATE	
96	ENDOSULFAN II (B)	CAN STATE	DATA APPRO	VED BY:	· A A STORY HAR ST
92	4,4'-DDT		$-\mathcal{L}$	sodenget_	
97	ENDOSULFAN SULFATE			iting 0	iling
99	ENDRIN ALDEHYDE		ALCOHOLD STATE	A year	The state of the s
91	CHLORDANE				
date	e injected $n/29/8s$ z	2.27 std ID /	1/29/83 18711	COMMENTS:	
	***************************************				
i .					•

17 /

Lab. Number:	88	4-8	-3	(/
Sample ID: F	591		TOUL	-
Date Injected:		7/6/	<u>83</u>	
# of Searches	attac	hed:		
No peaks to se	arch	-سا		

VOLATILES

HIGH HAZARD

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/Lor
998	Bromochloromethane (I.S.)	150	128	34231	50
88	Vinyl chloride		62	<del></del>	
50	Dichlorodifluoromethane	•	101		
45	Methyl chloride		50		
46	Methyl bromide		94		
16	Chloroethane		64	-	<del></del>
44	Methylene chloride		- 84		
2	Acrolein Jaylor		56	<del></del>	
3	Acrylonitrile audit		53	-	
49	Trichlorofluoromethane		101		
29	1,1-Dichloroethylene		96	4-	<del> </del>
13	1,1-Dichloroethane		63		
30	1,2-trans-Dichloroethylene		96		
23	Chloroform		83		
994	D4-1,2-dichloroethane	193	102	20738	96
10	1,2-Dichloroethane		<b>9</b> 8	••	<u>/</u>
11 [	1,1,1-Trichloroethane	·	<b>9</b> 7 <sup>.</sup>		
6	Carbon tetrachloride	-	117		
48	Dichlorobromomethane	-	127		

Lab	num	ber	<b>*</b>
Samp	le	ID:	

Mark Jund

EPA NO.	COMPOUND NAME	SCAN ION TO NO. QUANT.	AREA	ug/L or ug/g
<del>9</del> 67	1-Chloro-2-bromopropane (I.S.)	727 3 77	97212	50
32	1,2-Dichloropropane	112		
33	Cis & trans-1,3-dichloropropylene	75		
4	Benzene	78		
87	Trichloroethylene	130		
51	Chlorodibromomethane	127		
19	2-Chloroethylvinyl ether	106		
14	1,1,2-Trichloroethane	97		
47	Bromoform	173		
999	1,4-Dichlorobutane (I.S.)	<u>355</u> 55	126/27	50
85	Tetrachloroethylene	164		
15	1,1,2,2-Tetrachloroethane	83		
971	D8-Toluene	366 100	211407	107.
86	Toluene	91		
7	Chlorobenzene	112		
38	Ethylbenzene	106		
956	Bromofluorobenzene	<u>4-81</u> 174	116528	90

## PESTICIDES - EPA PROJECTS

			CONC. FACTOR (WET WT)	: 19 110ml
4		X	conc. FACTOR (DRY WT)	
		SIGNATURES OF	PERSONS REPORTING DATA	_
EPA NO.	COMPOUND	UG/L OR	EPA NO. COMPOUND	UG/L_OR UG/G
102	A-BHC	ND	113 TOXAPHENE	ND
105	G-BHC		106 PCB-1242	
103	B-BHC		107 PCB-1254	
100	HEPTACHLOR		112 PCB-1016	
104	D-BHC		108 PCB-1221	
89	ALDRIN		109 PCB-1232	
101	HEPTACHLOR EPOXIDE		110 PCB-1248	
95	ENDOSULFAN I (A)		111 PCB-1260	
90	DIELDRIN			
93	4,4'-DDE		peak heig SURROGATE <u>SAMPLE/SURR</u> O	
94	4,4'-DDD		130 DIBUTYL-	٠
98	ENDRIN		CHLORENDATE	_
96	ENDOSULFAN II (B)		DATA APPROVED BY:	
92	4,4'-DDT		Sodenat	
97	ENDOSULFAN SULFATE		William to	2. com
99	ENDRIN ALDEHYDE		7	d'
91	CHLORDANE			
date :	injected 11/29/83 2	3:54 std ID	11/29/83 18:11 COMMENTS:	<b>)</b>
	-			
		<del></del>		•

NEIC/REGULATED LABORATORY SUMMARY REPORT

ja wa	· :							· .					
								<u>-</u>	··				
пивев	. PHASE NU	05	02	00	05	05	05	03	01	01	01		
							· 						
	TCDD (C	×	<u>~</u>	× 	·×	× 	<u>~</u>	×	<u>~</u>	<u>×</u>	<u>×</u>	<u>~</u>	
GIDA , JARTL	TCDD ACT		<del></del>				<del></del>	·					
DIDA "TARTI	BASE/NEL	×	×	<u>×</u>	×	×	<u>×</u>	×	×	<u>~</u>	×	<u>~</u>	
S ORGANIC	fqub ni)	×	×	<u>×</u>	× 	×	<u>×</u>	×	<u>×</u>	<u>~</u>	<u>~</u>	<u>×</u>	
ЕВСПВУ	TOTAL ME	×	× ×	·····	×	×	<u>×</u>	×	×	×	<u>×</u>	×	
NO	KOH ENZI	×	× ×		×	×	<u>×</u>	× <u>p</u>	<u>~</u>	<u>~</u>	× 	<u>~</u>	<u>×</u>
	Sample Description	100% black fine grain paste.			97.9% brown fine grain paste; 2.1% i light brown cloudy non viscous water miscible liquid.	94.8% light yellow clear non viscous water miscible liquid; 5.2% dark brown fine grain paste.	100% dark brown fine grain solid.	59.9% black opaque viscous non water miscible liquid; 40.1% light yellow clear non viscous water miscible liquid	see sample no. F5096 for description.	see sample no. F5098 for description.	see sample no, F5095 for description.		
	ion Time	13:25	13:25	13:25	13:36	13:31	14:24	14:27	13:31	14:27	13:36		
Region	Collection Date Ti	8/31/83	8/31/83	8/31/83	8/31/83	8/31/83	8/31/83	8/31/83	8/31/83	8/31/83	8/31/83		·
t No.	n Location	Pit		SPIKE	Pit Solids	Pit Liquids	from Separator	tor	Pit Liquids	tor	Pit Solids	ANK	ANK

RED C. H/ EIC/Regu enver Fec	RED C. HART ASSOCIATES, INC. EIC/Regułated-Laboratory enver Federal Center, Bldg. enver, Colorado 80225	SSOCIATES, INCLaboratory Center, Bldg.	53, Box 25227			, , , , , , , , , , , , , , , , , , ,	•	•		•
				NEIC/REGULATED		LABURATURY SUMMAKY KEPUKI		-		
SMO Case	No.		NEIC Project No.	Region				<u></u>		QI:
2009	•			, IV	-		<u></u>		GANIC	יר. אכ
							ИОІ		E OB	AATU
		. 1		Collection	ion		LN2	dnp i	JITA	ZE\NE
ample umber	Station	Number	Station Location	Date	Time	Sample Description	КОН			A8
F5094	10	6-00185	Westwaste Pit	8/31/83	13:25	100% black fine grain paste.	× ×	× >	×	
F5094D	10	6-00185	DUPLICATE	8/31/83	13:25		× :	< >	>	
F5094S	10	6-00185	SPIKE	8/31/83	13:25		×	 ×	<b>×</b> >	
F5094R	10	6-00185	REPLICATE SPIKE	8/31/83	13:25				<	`
F5095	11	6-00187	East Waste Pit Solids	8/31/83	13:36	97.9% brown fine grain paste; 2.1% ilight brown cloudy non viscous water miscible liquid.	×	× .	×	
F5096	11	6-00186	East Waste Pit Liquids	8/31/83	13:31	94.8% light yellow clear non viscous water miscible liquid; 5.2% dark brown fine grain paste.	×	×	× (	× 
F5097	.13	6-00207	Discharge from Separator	8/31/83	14:24	100% dark brown fine grain solid.	×	×		~
F5098	14	6-00208	Oil Separator	8/31/83	14:27	59.9% black opaque viscous non water miscible liquid; 40.1% light yellow clear non viscous water miscible liquid	×	×	× .	
F5099	11	6-00186	East Waste Pit Liquids	8/31/83	13:31	see sample no. F5096 for description.	×	×	×	×
F5100	14	6-00208	Oil Separator	8/31/83	14:27	see sample no. F5098 for description.	× —	×	×	
F5913	11	6-00187	East Waste Pit Solids	8/31/83	13:36	see sample no, F5095 for description.	×	×	×	
F5912			REAGENT BLANK				×	×	×	
F5914			REAGENT BLANK				×		İ	
							-	-		Ī





FIELD SAMPLE RECORD

the first of the end of the end of the first of the first of the end of the e		
1 Case Number: 2009 Sample Site Name/Code: Abandoned Refinery  Num 1228	2 Field Sample Description:  Drum  Aqueous Liquid  Sludge  Solid  Other	3 Ship Tox- Fred C. Hart Asso. Regulated Loh Denver Fed. Center Blds 53 Denver Co. 80225 Attn: Steve Kunen
(name)  (A) Sampling Office:  (name)  (phone)	5 Known or Suspected Hazards:	
Sampling Date: 8-3-83  1427 (begin) (end)  8 Shipping Information:  Federal Express (name of carrier)  9-1-83	7 Preparations Requested: (check below) Sample Volume:	
(date shipped)  287 053 012	<ul> <li>✓ Total Mercury</li> <li>✓ Strong Acid Anions</li> </ul>	

9 Special Handling Instructions:

ecial Handling Instructions.

aqueous phase

organic phase F5098

Client File Copy



## FIELD SAMPLE RECORD

Case Number:  2000 Sample Site Name/Code:  About 122 *	② Field Sample Description:  Drum Aqueous Liquid Sludge Solid Oil Other	3 Ship To:  Fred C. Hart Assa.  Regulated Lah.  Donver Fed. Center  Poll: 53-  Denver Co 50227  Attn:  Steve Konen
Sampling Office: Parties of the Sampling Personnel:  (name)  214-742 -1.60!  (phone)	(5) Known or Suspected Hazards:	6 Sample Location:  Sta 11 East  Waste Pit liquids
Sampling Date: 5-2/-83	7 Preparations Requested: (check below) Sample Volume: 802	
8 Shipping Information:  Federal /=x0ress  (name of carrier)  (1-1-8-3)  (date shipped)	<ul> <li>Volatile Organics</li> <li>Base/Neutral, Acid,</li> <li>TCDD</li> <li>Pesticides, PCB</li> <li>Inorganics</li> <li>Total Metals</li> <li>Total Mercury</li> <li>Strong Acid Anions</li> </ul>	
(منطق النظم المسلم		

9 Special Handling Instructions: 0900000 phase F 5096

Client File Copy



## AND STANKE SAME CONTRACTOR

CHEST CHEST (O) (CHEST AV (O) BESCHTS)



Sample Number

5000

## FIGHERAVARIDHERAVER (GERRE) RIK

FIELD SAMPLE RECORD

① Case Number:	② Field Sample Description:	3 Ship To: Fred C Hert Assert
Sample Site Name/Code:  About of Metinery  NN 1228	Drum Aqueous Liquid Sludge Solid X Oil Other	Derver Federal Contra Regulated Late Blog 53 Derver, Co. 80225 Attn: Steve Kunen
4 Sampling Office:  Onllas	5 Known or Suspected Hazards:	6 Sample Location:
Sampling Personnel:	Rotinery Wester	Oil separator
David Anderson (name):		
(phone)		त्र का क्षेत्रक के कि का क्षेत्रक के कि का क ने का का कि का
Sampling Date: 8-3/83	7 Preparations Requested: (check below)	
(begin) (end)	Sample Volume:	<b>9</b>
8 Shipping Information:	<ul> <li>✓ Volatile Organics</li> <li>✓ Base/Neutral, Acid,</li> <li>TCDD</li> </ul>	
9-1 (pame of carrier)	Pesticides, PCB	September 1997
(date shipped) 287 053 0/2	<ul> <li>∠ Inorganics</li> <li>∠ Total Metals</li> <li>∠ Total Mercury</li> <li>∠ Strong Acid Anions</li> </ul>	
(airbill number)		
9 Special Handling Instruct	phose analyze separately	

Client File Copy

Lot 631814



TOPS DANGE MENTER DE OFFICION REDNEY GERSSAMO



# FICE STRUCTURE F 5097

FIELD SAMPLE RECORD

	Case Number:	2 Field Sample Description:	3 Ship To: Associate
	Sample Site Name/Code:  Abandor et Refinery	Drum Aqueous Liquid Sludge Solid	Pred C. Half Msscales Regulated to b  Donver Federal Contin  Blog 53  Denver, Co. 80225
	NAA 1228	Oller Other	Attn: Slove Kunga
[	4) Sampling Office:	(5) Known or Suspected Hazards:	6 Sample Location:
	D.llas	refinery west	5k /3
	Sampling Personnel:  Divid Anteison	a de ser ser estados de la composição de	dischorge from
	(name)		Seporator
	(phone)	ितार स्थान क्षित्र के क्षेत्र के सम्बर्ध के अने क्षेत्र के किया है जिस के स्थान कर है । किया क्षेत्र कार्यक्र के अनुसरित्र के स्थान क्षेत्र के स्थान के स्थान के किया के किया के किया के स्थान के स्था किया किया किया किया किया किया किया किया	
	Sampling Date: 8-31-83	7 Preparations Requested:	
	(begin) (end)	(check below)  Sample Volume: 802	
-	8 Shipping Information:	_ Organics _ Volatile Organics	
	Federal Express	∠ Base/Neutral, Acid, TCDD	
,	(name of carrier)	<pre>_ Pesticides, PCBInorganics</pre>	
	(date shipped)	inorganics Total Metals Total Mercury	
	287-053-0/2	Strong Acid Anions	
1	(airhill number)	医囊膜 化环烷基 医皮肤 化二氯甲基甲基磺胺 经产品 经股份 医眼底层 经工作 医多种氏管 化氯化二甲基	

9 Special Handling Instructions: 

Lot 63 8/4

Client File Copy



# OS ZAMIRONMENTAL YOUR END THE MINORINAL SERVICE SERVIC



# FIELD SAMPLE RECORD

① Case Number: 2009	(2) Field Sample Description:	(3) Ship 10: Fred C Hort Associates
Sample Site Name/Code:  Abordard Refinery  NAM 1228	Drum Aqueous Liquid Sludge Solid Oil Other	Regulated Lh. Requisit Copt- Report Foliated Copt- Rolly 53 Prover, Co. 80225 Attn: Store Runen
(name)  (A) Sampling Office:  (Dolla)  Sampling Personnel:  (name)  (name)  (phone)	(5) Known or Suspected Hazards:	6 Sample Location:  Sta 11 Eost  Wester Pet liquid
Sampling Date: 8-31-83  /33/ (begin) (end)  8 Shipping Information:    Federal = 100055	7 Preparations Requested: (check below) Sample Volume:	
9 Special Handling Instruct	ions:	

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PISE ENVIRONMENTAY NOTECTION ACTENCY CERSIONE



Sample Number

FIELD SAMPLE RECORD

1 Case Number: 200 9	2 Field Sample Description:	3 Ship To: Fred C. Hert Associates
Sample Site Name/Code:	Drum Aqueous Liquid	Regulated Lah Conta-
Abandonal Retinery	X Sludge Solid  Solid  ✓ Solid	BIA, 53 Denver, Co. 80225
NIM 1238	Other was a second of the seco	Attn: Steve Kunen
4 Sampling Office:	(5) Known or Suspected Hazards:	6 Sample Location:
Peller		Sta 11
And the second of the second o	Retining Wiste	East mosts pit
Sampling Personnel:	and the state of t	sulids!
(name)		3.03.
214-742-1,601		
(phone)		eya wang ripul wang balan ing balan
Sampling Date: 8-3/-83	7 Preparations Requested:	
1427 1336	(7) Preparations Requested: (check below)	
(begin) (end)	Sample Volume: 807	Control of the second
	Organics	A STATE OF THE STA
8 Shipping Information:	∠Volatile Organics	
Federal Express	∠Base/Neutral, Acid, TCDD	and the second particles are selected as
(name of carner)	∠ Pesticides, PCB	
8-31-13-9-1-83	Inorganics	
(date shipped)	Total Metals Total Mercury	
267 053 012	fotal Mercury Strong Acid Anions	The Property of the Control of the C
(airbill number)		The toleran the second of the

9 Special Handling Instructions: Language Control

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## FIELD SAMPLE RECORD

Case Number: 2009 Sample Site Name/Code: Ab March Refiner/ NAL 1228	② Field Sample Description: <ul> <li>Drum</li> <li>Aqueous Liquid</li> <li>Sludge</li> <li>Solid</li> <li>Oil</li> <li>Other Sediment</li> </ul>	3 Ship To: Fred C. Hort Associates Regulated Lah. Oenuer Federal Center Blds 53 Denver, Co., 80225 Attn: Store Kunen
Sampling Office:    Anderson	(5) Known or Suspected Hazards:	6 Sample Location:  /-O  Wes! Waste Pit
Sampling Date: 3/83  /32 (begin) (end)  8 Shipping Information:  Federal From 55 (name of carrier)  (date shipped)  2870530/2 (airbill number)	7 Preparations Requested: (check below) Sample Volume: 8 7 7	
Special Handling Instruction     MIX be for	ce Extracting	



Std. I.D. ##4///
Date Injected //- 11-16-83

You

Lab Number <u>8839</u> Sample I.D. <u>F5094</u>

Conc. Factor 1/40 .025g/1 me

EPA ORANGE PROJECT

Signatures of Persons Reporting Data

		$\mathcal{U}$					
LN	EPA No.	COMPOUND NAME	RRT	SCAN NO.	ION TO QUANT.		OUAN LIST ug/g
1	<b>*</b> 960	PHENOL-D3	1.00	493	97	25447	40
2	61	N-NITROSODIMETHYLAMINE	0.440		74		
3	982	2-FLUOROPHENOL	50.830	3.44	112	6206	19
4	985	2-FLUOROANI (INE			111		
5	983	PHENOL-D <sub>5</sub> OF A@ 2.5	.998	492	99	1286	2
6	65	PHENOL	1.00		94		
7	984	PENTAFLUOROPHENOL			184		
8	18	BIS(2-CHLOROETHYL)ETHER	1.007	, <del></del>	93		
9	24	2-CHLOROPHENOL	1.011		128		
10	26	1,3-DICHLOROBENZENE	1.042		146	$\overline{}$	
11	27	1,4-DICHLOROBENZENE	1.058		146		-
12	25	1,2-DICHLOROBENZENE	1.103		146		
13	42	BIS(2-CHLOROISOPROPYL)ETHER	1.144	-	121	. · ·	
14	12	HEXACHLOROETHANE	1.179		117		
15	<b>*</b> 987	NAPHTHALENE-D8	1.00	698	136	6087	40
16	63	N-NITROSODI-N-PROPYLAMINE	0.855		130	<u> </u>	
17	988	NITROBENZENE-D <sub>5</sub> SQ 15	0.872	599	128	3/04	9
18	56	NITROBENZENE	0.875		123		
19	54	ISOPHORONE	0.920		82		
			•				

## Signatures of Persons Reporting Data

<i>,</i>	EPA			SCAN	ION TO	OUAN	
LN	No.	COMPOUND	RRT	NO.	QUANT.	AREA LIST ug/g	L
20	57	2-NITROPHENOL	0.935		139		
21	34	2,4-DIMETHYLPHENOL	0.953		122		
22	43	BIS(2-CHLOROETHOXY)METHANE	0.970		93		
23	31	2,4-DICHLOROPHENOL	0.982		162		
24	974	DECAFLUOROBIPHENYL 10 2.5	0.917	642	265	474 2	
25	8	1,2,4-TRICHLOROBENZENE	0.993	$\Delta$	180		
26	55	NAPHTHALENE	1.004		128		
27	52	HEXACHLOROBUTADIENE	1.042	,- 	225		
28	22	PARACHLOROMETACRESOL	1.127		148		
29	53	HEXACHLOROCYCLOPENTADIENE	1.183		237	<del></del>	
30	21	2,4,6-TRICHLOROPHENOL	1.201		196		
31	976	2-FLUOROBIPHENYL	1.217		172		
32	20	2-CHLORONAPHTHALENE	1.230		162		
33	77	ACENAPHTHYLENE	1.309		152		
34	71	DIMETHYL PHTHALATE	1.308		163		
35	36	2,6-DINITROTOLUENE	1.320		165		-
36	<b>* 992</b>	ANTHRACENE-D10	1.00	1173	188	38305 40	-
37	1	ACENAPHTHENE	0.822	$\overline{}$	154		-
- 38	59	2,4-DINITROPHENOL	0.834		184		-
39	35	2,4-DINITROTOLUENE	0.851		89		-
40	58	4-NITROPHENOL	0.854		109		_
41	80	FLUORENE	0.882		166		-
42	40	4-CHLOROPHENYLPHENYL ETHER	0.885	*********	204		-
43	70	DIETHYL PHTHALATE	0.887	-	149		

Lab No. <u>8839</u> Sample I.D. <u>F509</u>

## ·Signatures of Persons Reporting Data

		5 ignatures of recom	s vehou	ring para	- ·-			
LN	EPA No.	COMPOUND	RRT	SCAN NO.	ION TO QUANT.	AREA	QUAN LIST	<u> из/<b>9</b></u>
44	60	4,6-DINITRO-O-CRESOL	0.900	$\rightarrow$	198			
45	62	DIPHENYLAMINE	0.901		169			
46	37	AZOBENZENE			777			
47	41	4-BROMOPHENYL PHENYL ETHER	0.943		248	<del>\</del>		
48	9	HEXACHLOROBENZENE	0.958		284			
49	64	PENTACHLOROPHENOL	0.982		266			
50	81	PHENANTHRENE	0.997	1176	178	1975	2	80
51	78	ANTHRACENE	1.002	_	178			
52	68	DI-N-BUTYL PHTHALATE	1.081		149			
53	39	FLUORANTHENE	1.142		202		-	
54	963	PYRENE-D <sub>10</sub> S @ 2.5	1.167	1380	212	2508	2	
55	84	PYRENE	1.169	1383	202	3063	3	120
56	<b>*</b> 961	CHRYSENE-D <sub>12</sub>	1.000	1564	240	20293	40	
57	5	BENZIDINE	0.886		184		<del></del>	
58	67	BUTYL BENZYL PHTHALATE	0.955		149	<u>.</u>	-	
59	72	BENZO(A)ANTHRACENE	0.998		228			· · · · · · · · · · · · · · · · · · ·
60	76	CHRYSENE	1.003		228	<del>\</del>	. <sup></sup>	
61	28	3,3'-DICHLOROBENZIDINE	1.002	-	252		-	
62	66	BIS(2-ETHYLHEXYL)PHTHALATE	1.019	•	149			
63	69	DI-N-OCTYL PHTHALATE	1.104		149			
64	* 959	BENZO(A)PYRENE-D <sub>12</sub>	1.000	1782	264	18510	40	
65	74 75	3,4-BENZOFLUORANTHENE AND/OR			252			
66	73 73	BENZO(K)FLUORANTHENE BENZO(A)PYRENE	1.004		252			
67	83	INDENO(1,2,3-CD)PYRENE			276			***
68	82	DIBENZO(A,H)ANTHRACENE	1.259		278		-	
69	79	BENZO (GHI ) PERYLENE	1.317		276			
		Page )	: ح					

California Analytical Laboratories, Inc.

Lab. Number: \$\begin{align\*}
839-30 \\
Sample ID: \overline{F5094 1000} \\
Date Injected: \overline{11/16/83} \\
# of Searches attached: \overline{No peaks to search: \overline{12000} \overline{120000} \overline{12000} \overline{12000} \overline{12000} \overlin

VOLATILES

HIGH HAZARD

•	•				
EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or
998	Bromochloromethane (I.S.)	152	128	34065	50
88	Vinyl chloride		62		
50	Dichlorodifluoromethane		101		
45	Methyl chloride		50	<del></del>	
46	Methyl bromide		94		
16	Chloroethane	<del></del>	64	<del></del>	
44	Methylene chloride	<del></del>	84		
2	Acrolein		56		
<b>3</b> .	Acrylonitrile Culli		53		
49	Trichlorofluoromethane	<del></del>	101		<del></del>
29	1,1-Dichloroethylene		. <b>9</b> 6		<del>    -   -     -                        </del>
13	1,1-Dichloroethane	·	63		
30	1,2-trans-Dichloroethylene		96		<del>!</del>
23	Chloroform		83		<u> </u>
994	D4-1,2-dichloroethane	193	102	24629	108
10	1,2-Dichloroethane		98		
11	1,1,1-Trichloroethane		97		
6	Carbon tetrachloride		117		
48	Dichlorobromomethane	·	127	•	

Lab :	num	ber	•
Samp	le	ID:	

Mark & Jund

EPA NO.	COMPOUND NAME	SCAN NO.	ION TO QUANT.	AREA	ug/L or ug/g
967	1-Chloro-2-bromopropane (I.S.)	299	77	111762	50
32	1,2-Dichloropropane		112		
33	Cis & trans-1,3-dichloropropylene		75		
4	Benzene	***************************************	78		
87	Trichloroethylene		130		
51	Chlorodibromomethane		127	<del></del>	
19	2-Chloroethylvinyl ether		106		
14	1,1,2-Trichloroethane		97		<del></del>
47	Bromoform		173		/
999	1,4-Dichlorobutane (I.S.)	355	55	132284	50
85	Tetrachloroethylene		164	-	
15	1,1,2,2-Tetrachloroethane		83		
971	D8-Toluene	366	100	238679	1/12
86	Toluene	·	91		
7	Chlorobenzene .	. ——	112		
38	Ethylbenzene	4-00	106		
956	Bromofluorobenzene	7-86	174	123115	107

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (M	
	od by Hej	
6	NM 1228	· · ·

GENERAL INSTRUCTIONS:	Complete Sections I and III thro	ugh IV of this form as comple	tely as possible. Then use the informa-
tion on this form to develop s	Tentarive Disposition (Section	II). File this form in its entire	ty in the regional Hazardous Waste Log
File. Be sure to include all	appropriate Supplemental Report	s in the file. Submit a copy of	the forms to: U.S. Eavironmental Pro-
tection Agency; Site Trackin	g System: Hazardous Waste Enfo	resment Tack Force (EN-335);	401 M St., SW; Washington, DC 20460

A. SITE HAME	L SITE IVEN	A CTREET			
Abandoned Refinery (A	KA Prewitt Tan Ditcl	S. STREET (	Dugger to Doge	1d U.S. 6	6½ mile west
LETY CITY	IN TEWICE TAT PILS)	West of	Prewitt Post	Cuffice	
Prewitt	,		1		
SITE OPERATOR INFORMATION		NM	1 87045	McKinley	
1. NAME	•	•		. TELEPHON	E NUMBER
None, Inactive. (see	attachment A for pre	vious ape	rators)		
1. STREET	4.6177			A- 37A TE	4. 21F COOE
ر المراقب المراقب المراقب المحافظ المراقب المحافظ المراقب المحافظ المراقب المحافظ المحافظ المحافظ المحافظ الم والمراقب المراقب المرا					
I. REALTY OWNER INFORMATION	Il different from operator of alle)			<u>'                                    </u>	<u> </u>
I. NAME				1. TELEPHON	E NUMBER
Navajo Tribe of India:	n	•		ł	•
				STATE	5. 21A CODE.
Prewitt		<u>:                                      </u>	·	NM	87045
. SITE DESCRIPTION					
See attachment A		·	<u> </u>		
L TYPE OF OWNERSHIP					
1. PEDERAL . 2 STA	TE 🔲 3. COUNTY 🔲	T MANICIDAL	L PRIVA	TE	
· · · · · · · · · · · · · · · · · · ·					
	II. TENTATIVE DISPOSITIO				
A. ESTIMATE DATE OF TENTATIVE DISPOSITION (co., day, & pa.).			_	·	
	X 1. HIGH	2 MEDIUM	T FOM	4 NON	€
C. PREPARER IN FORMATION					
	we with the constant of the con-	. 2. TELEPHO	 ME.NUMBER	1 1. DATE (80.	der & Phile
David Anderson Dove	d Chiderson	ľ		Jan 21,	
David Anderson War	III. INSPECTIO	214-742-		Touri ZI,	1903
A. PRINCIPAL INSPECTOR INFORM		N INFURMAT	107		
1. NAME		L TITLE			
David Anderson	·	FIT Chem	ist		
1. SRGANIZATION		يرات الكتب المستا		TATELEPHO	NE HO. (APPA CASE & NO.
Ecology and Environme	nt. Inc. 1509 Main S	t. Dallas	TX 75201	214-742-	4521
B. INSPECTION PARTICIPANTS		<u> </u>			
1. NAME	2. ORG	LHIZATION		1. TE	EPHONE NO.
age to deposit on the second					2
James Trusley	Ecology and Enviro	nment, In	С.	214-742-	4521
Salasan in the second of the s	Environmentalist (	505) 287-	8845.	505 005	
Timothy Reed	Environmentalist (NMFID 708 Uranium	Av		505-287-	8845
ang mang sagaran sa karang sa	Milan, N.M. 87020	* 1 40 4 4 4 4 4		A STATE OF THE STA	and the second second
				1	
C. SITE REPRESENTATIVES INTE	RVIEWED (corporere officiale, wor	kers, residents)			
1. NAME	2. TITLE & TELEPHONE N	o.	<del></del>	. ADDRESS	
T 6 1-1-1-1	Environmental Engi	neer   The	Atchison, 1	Topeka, and	d Santa Fe Rai
T.C. Lassen	213-267-5454	way_		ta Fo Pla	
The state of the s	in the property of the control of th	5200	E. Sheila S	st.	and the second s
		<u>!Los</u> -	Angeles, CA	90040	
This does not constitute				THE STATE OF THE S	
This does not constit				·	
final opinion of EPA.	A Marketing of the first and the	1	MONARY RE	PORT	water to
	1 2 2	1700	A sale of the sale	<b>4.</b> • •	
The same of the sa	The state of the s	Si 65		A Committee Co	and the second of the second o
Service of the servic	Lade south den Méan à	16.00		. I foska a e te e	and the control of the feet test
The second section of the second of	and the second of the second o				· 大阪·中国企业企

Continued	F	F

		CTION INFORMATION (co	ntinued)		
D. SENERATOR INFORMATION					•
I. NAME	1. TELEPHONE NO.	be former site one			C SENERATES
See I.G, attachmen	A for listing	pr former site ope	erators was the	· · · · · · · · · · · · · · · · · · ·	
i de la companya de La companya de la co	ti di Silandi in di Silandi Silandi in di Silandi in d	the state of the s	and the control of th	an gy <del>dagg</del> Stranger	The state of the s
		The state of the s			
E. TRANSPORTER/HAULER IN	PORMATION PERSON		2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	5 1 73. 137 E	Confession Committees of
1. NAME	1. TELEPHONE NG.	3. ADDR	E31	4.WASTE/TYPE	TRANSPORTED
none			·	Jan 1945 Jan 1965 Jan 1966	Variable Park
			•	1.00	
F. IF WASTE IS PROCESSED O	H SITE AND ALSO SHIPP	ED TO OTHER SITES, IDENTI	FY OFF-SITE PACILITIES	USED FOR DI	SPOSAL
1. NAME	2. TELEPHONE NG.		1. ADDRESS	ं ज	See a Se
none			•	and the sales	
· ·			•		VERNIER J
		·		in a result	o e e Markette M
G. DATE OF INSPECTION	H. TIME OF INSPECTIO	L ACCESS GAINED BY: (er	dentials must be shown in (	il casse)	
12-15-82	0900 - 1200	1. PERMISSION	2 WARRANT		
Clear, Calm, 25-30	0 <sub>F</sub>				•
etc. end estimate when th	12 2 2 1		E SENT TO:	• •	A.DATE. RESULTS AVAILABLE
e. Groundwater					
b. SURFACE WATER			•		erioriti edel ede
e. WASTE				-	1
d, AIR					esta y Services
RUNOPP HE CONHEST TO THE		and the second s	ere i si s		and the stage of
L SPILL				:	
£. 801L		,			· · · · · · · · · · · · · · · · · · ·
b. VEGETATION		· · · · · · · · · · · · · · · · · · ·			e i james saare e
L. OTHER(specify)	V No.	samples taken dur	ing this inspect	ion	
B. FIELD MEASUREMENTS TA			ring cirrs mapeou	1017	4.7
1. TYPE		OF MEASUREMENTS	3.4	ESUL 75	e e e
			WAS IN		
None			1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1		Education
granda a sa		rings.		i nejvenik i niv	
		and the second s	gradient state of the control of the	and the same of the same	ange on the same

Continued From Page 2	IV. SA	MPLING INFOR	MAT	TION (continued)		The state of the s		
C. PHOTOS						78.0		
1. TYPE OF PHOTOS				STODY OF:				
I A. SHOUND I b. AE	RIAL ( 1965)	EPA Region 6 (See attachments)						
D. SITE MAPPEDI	**************************************	and the same of th		gradient was the second of the		Agent The Committee of		
YEL SPECIFY LOCATION	OF MAPS: See	attached ma	aps		- "			
E. COORDINATES			· was			Superior and the second		
1. LATITUDE /degi-min-see.		San Assert	1 2.	LONGITUDE (degramm-sec.)				
32 <sup>0</sup> 21'35" N				08 <sup>0</sup> 01'55" W				
		V. SITE INFO	1					
A. SITE STATUS		V. 311 C 1141						
1. ACTIVE (These industrial		TIVE (These		3. OTHER(specify):		34.4		
municipal attes which are being u- for weare treatment, attrage, or di		no langer receive		These sites that include such inc there he regular as continuing use				
es a continuing basis, even if intr	•			or securod.)	٠.			
B. IS GENERATOR ON SITE! N/	A pocify generator's le							
1. NO 2. YES/6	pocify generator's le	m-digii SIC Codo); `		<del></del>	<u>.</u>			
C. AREA OF SITE (in ocres)								
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	VI CUA	RACTERITATIO	ם אכ	F SITE ACTIVITY				
Indicate the major site activity					pri	ate bazes.		
X1	1x1	·	1×7.		ΪX.			
A. TRANSPORTER .	8.5	TORER		C. TREATER		0. DISPOSER		
1. AAIL	1.PILE			I. FILTRATION		1. LANDFILL		
2. SHIP	IX 2.SURFACE IN	POUNDMENT	1	1. INCINERATION	L	2. LANOFARM		
1. BARGE	3. DRUME		1	S. VOLUME REDUCTION	1	1. OPEN DUMP		
A. TRUCK	4. TANK. 480	<del></del>	+	LARCYCLING/RECOVERY	<u> IX</u>	A. SURFACE IMPOUNDMENT		
A. OTHER(specify):	S. TANK. SEL		<del></del>	S. CHEM/PHYS/TREATMENT	+	S. MIDNIGHT DUMPING		
and a contained the		<i>TJ</i> •	-	e. BIOLOGICAL TREATMENT 7. WASTE OIL REPROCESSING	+	7. UNDERGROUND INJECTION		
	•		<u> </u>	S. SOLVENT RECOVERY	╁	E. STHER(Specify):		
*			-	9. OTHER(specify):				
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E. SUPPLEMENTAL REPORTS: 1 which Supplemental Reports you					rts.	must be completed. Indicate		
				ma . SURFACE	٦.	. Deep well		
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S. CHEM/BIO/	7. LANDFARM	EL OPEN D	UMP	3. TRANSPORTER	] 1	G. RECYCLOR/RECLAIMER		
PHYS TREATMENT		WASTE RELAT			_			
A. WASTE TYPE	<u> </u>	NELA		HILL WILDER LIGHT				
TX 1. LIQUID	2 SOLIO	X 3. SLUDGE	E	_ 4. GAS		·		
	•	<del>-</del>		<del></del>				
B. WASTE CHARACTERISTICS	<del>, , , , , , , , , , , , , , , , , , , </del>				_	24 27 48		
1. CORROSIVE	2 IGNITABLE	3. RADIOA	CTI	VE 4 HIGHLY VOLATILE		The first state of the		
I s. Toxic	6. REACTIVE	7. INERT		A FLAMMABLE				
ey ex may						e de la companya de l		
9. GTHER (specify):	·	· · · · · · · · · · · · · · · · · · ·						
C. *ASTE CATEGORIES 1. Are records of wastes evaluable	er Specify items am	th se manifesta, is	ny ent	ones, etc. below.				
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EPA Form T2070-3 (10-79)

PAGE 3 OF 10

Continue On Reverse

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<b>A</b> .	SLUDGE	BE (#	b. OIL	10000		VENTS			mark 1. CHE				OLIDS	are pr	L OTHE	
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D. LIS	T SUBSTANCES	. 	REATEST CONC	ERN	AHICH	ARE ON	THE	SITE	(Diace	in desc	andina	order of	hasard)		·	
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ell is 175' dee	p. Other re	sidences adia	icent to the	Barnes resi	idence are a	. iiis Iso hai
ampled by the s	tate.			. 50,1105 (05)	icenoc ale a	.30 DE I
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F. CONTAMINATION C	F GROUND WATER				* *	
ne Barnes well	is in the se	cond aquifer	in the area	. Mr. Barne	es told the s	state
nat the drinkin	g water well	at the refin	nery had to	be abandoned	d because of	gasoli
n the water. T	his well was	apparently i	n the first	, or uppermo	st aquifer.	
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G. CONTAMINATION	F SURFACE WATER	1		\$ <del>\$4</del> 4.4		
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vell sho	owed 185 p	opb benzen	e and 6 p	ppm tolu	ene (see	attachme	ents for	results).	This
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ampled	by the st	ate.	•					•	
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	VIII. H	AZARD DES	CRIPTION (co	ntinued)		
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_ O. SPILLS/LEAKING CONT	TAINERS/RUNOFF/STA	MDING LIQUI	0			
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Q. EROSION PROBLEMS						
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I. MODINICATION OF POPULATION   T. MICHAELED OF POPULATION OF PROPULATION OF PR		VIII. HAZARD DE	SCRIPTION (continued)		···
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IX. POPULATION DIRECTLY AFFECTED BY SITE  A. LOCATION OF POPULATION  B. APPROX. NO. OF PEOPLE OF PEOPLE OF SUIL DINGS TO SITE (reposity units)  1. IN RESIDENTIAL AREAS  150  150  150  150  35  1 mile  2. IN COMMERCIAL AREAS  0  0  0  1 mile  X. WATER AND HYDROLOGICAL DATA  A. DEPTH TO GROUNDWATER (appendity units)  D. APPROX. NO. OF PEOPLE AFFECTED  X. WATER AND HYDROLOGICAL DATA  A. DEPTH TO GROUNDWATER (appendity units)  B. DIRECTION OF FLOW  NE  L. DEPTH TO GROUNDWATER (appendity units)  B. DIRECTION OF FLOW  NE  L. DEPTH TO GROUNDWATER (appendity units)  B. DIRECTION OF FLOW  NE  L. DEPTH TO GROUNDWATER (appendity units)  B. DIRECTION OF FLOW  NE  L. DEPTH TO GROUNDWATER (appendity units)  B. DIRECTION OF FLOW  NE  L. DEPTH TO GROUNDWATER (appendity units)  B. DIRECTION OF FLOW  NE  L. DISTANCE TO CRIMKING WATER SUPPLY  Y. DIRECTION TO DRINKING MATER SUPPLY  Y	ong the siding should	also be sampled.	Borings and monit	or wells should	be install
IX POPULATION DIRECTLY AFFECTED BY SITE  C. APPROX. NO. OF PEOPLE OF SUITE OF SUITE OF SUITE OF SUITE OF SUITE OF SUITE OF SUITANCE OF SUITE OF SUI	o determine the condi	tion of both aquif	ers in the area.	Placement of th	e wells
IX POPULATION DIRECTLY AFFECTED BY SITE  A.LOCATION OF POPULATION  OF PEOPLE AFFECTED  OF SUBLICIAL AFEAS  OO 0 0 1 mile  A. PUBLIC USE AFFECT  OF PEOPLE AFFECTED  OF SUBLICIAL AFEAS  OO 0 0 1 mile  A. PUBLIC USE AFFECT  OF PEOPLE AFFECTED  OF PEOPLE AFFECTED  OF SUBLICIAL AFEAS  OO 0 0 1 mile  A. PUBLIC USE AFFECT  OF PEOPLE AFFECTED  OF SUBLICIAL AFEAS  OO 0 0 1 mile  OF PEOPLE AFFECTED  OF SUBLICIAL AFEAS  OO 0 0 1 mile  A. PUBLIC USE AFFECT  OF RESIDENTIAL AFEAS  OO 0 0 1 mile  A. PUBLIC USE AFFECT  OF RESIDENTIAL AFEAS  OO 0 0 1 mile  OF PEOPLE AFFECTED  OF SUBLICIANCE  TROSTORIAL AFFECTED  OF SUBLICIAL AFEAS  OO 0 0 1 mile  OF PEOPLE AFFECTED  OF SUBLICIANCE  TROSTORIAL AFFECTED  OO 0 0 1 mile  OF PEOPLE AFFECTED  OF SUBLICIANCE  TO SITE OF SUBLICIANCE  TO S	hould be based on the	results of a resi	stivity survey of	the area.	
IX POPULATION DIRECTLY AFFECTED BY SITE  L.LOCATION OF POPULATION OF PEOPLE AFFECTED AFFECTED WITHIN OF BUILDINGS AFFECTED (ROCKING)  L.IM RESIDENTIAL AREAS 150 150 35 1 mile  L.IM COMMERCIAL AREAS 0 0 0 1 mile  L.IM COMMERCIAL AREAS 0 0 0 1 mile  L.IM COMMERCIAL AREAS 100 5000 0 1 mile  L.IM COMMERCIAL AREAS 5000 5000 0 1 mile  A. IM PUBLICLUSE AREAS 5000 100 1 1 mile  X. WATER AND HYDROLOGICAL DATA  DEPTH TO GROUNDWATER/spoolfy UNIX) 8. DIRECTION OF FLOW NE COMMERCIAL TO CRIMKING WATER SUPPLY F. DIRECTION TO DRINKING WATER SUPPLY Wells to N, NW and NE	•		, • •	•	
IX POPULATION DIRECTLY AFFECTED BY SITE  LOCATION OF POPULATION  OF PEOPLE AFFECTED  LIN RESIDENTIAL AREAS  150  150  150  35  1 mile  IN COMMERCIAL AREAS  0  0  0  1 mile  LIN PUBLICLY AREAS  5000  5000  0  1 mile  X WATER AND HYDROLOGICAL DATA  SEPTIM TO GROUNDWATER/specify unit)  75 ft. *  POTENTIAL YIELD OF AQUIFER  5-100 gal/min  IX POPULATION DIRECTLY AFFECTED BY SITE  C. APPROX. NO. OF PEOPLE D. APPROX. NO. OF SUILLINGS  AFFECTED WITHIN OF SUILLINGS  AFFECTED WITHIN OF SUILLINGS  AFFECTED WITHIN OF SUILLINGS  TO SITE AFFECTED WITHIN OF SUILLINGS  AFFECTED WITHIN OF SUILLINGS  AFFECTED WITHIN OF SUILLINGS  TO SITE AFFECTED WITHIN OF SUIPPLY F. DIRECTION TO DRINKING WATER SUPPLY  FOREST THIS OF SUIPPLY WELLS TO N. NW and NE			• • •		•
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A. LOCATION OF POPULATION  B. APPROX. NO. OF PEOPLE AFFECTED  AFFECTED WITHIN UNIT AREA  150  150  150  35  1 mile  1. In residential areas  0 0 0 0 1 mile  2. In Commercial areas  3. In mile  3. In Publicity 3. Travelled areas  5000  5000  0 1. mile  4. Public use areas  4. (perra, achedia, etc.)  100  100  1 mile  X. Water and hydrological data  C. Approx. No. Of Suillings Affected  To site (specify using)  1 mile  X. Water and hydrological data  C. Groundwater use in vicinity  To ft. *  D. Potential vield of Aquifer  1. Distance to crimking water supply  Tess' than areas  1. Distance to crimking water supply  The commercial areas  1. Distance to crimking water supply  The commercial areas  To site  To	·	t.			
A. LOCATION OF POPULATION  B. APPROX. NO. OF PEOPLE AFFECTED  AFFECTED WITHIN UNIT AREA  150  150  150  35  1 mile  1. In residential areas  0 0 0 0 1 mile  2. In Commercial areas  3. In mile  3. In Publicity 3. Travelled areas  5000  5000  0 1. mile  4. Public use areas  4. (perra, achedia, etc.)  100  100  1 mile  X. Water and hydrological data  C. Approx. No. Of Suillings Affected  To site (specify using)  1 mile  X. Water and hydrological data  C. Groundwater use in vicinity  To ft. *  D. Potential vield of Aquifer  1. Distance to crimking water supply  Tess' than areas  1. Distance to crimking water supply  The commercial areas  1. Distance to crimking water supply  The commercial areas  To site  To	·	t.		e avera kija kitetie enek	an esta a terral
ALCCATION OF POPULATION  B. APPROX. NO. OF PEOPLE AFFECTED  AFFECTED WITHIN UNIT AREA  150  150  35  1 mile  1. IN COMMERCIAL AREAS  0 0 0 1 mile  2. IN COMMERCIAL AREAS  35 1 mile  3. IN COMMERCIAL AREAS  0 0 0 1 mile  2. IN PUBLICLY 2. TRAVELLED AREAS  5000  5000  1 mile  A. PUBLIC USE AREAS  4 (Perire, acheois, erc.)  35  1 mile  C. APPROX. NO. OF SUILDINGS AFFECTED  1 mile  2. IN COMMERCIAL AREAS  1 mile  3. In Tile  A. PUBLIC USE AREAS AREAS  1 mile  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. GROUNDWATER USE IN VICINITY AREA OF THE COMMERCIAL DATA  C. DATA OF THE COMERCIAL DATA  C. DATA OF THE COMMERCIAL DATA  C. DATA OF THE COMERCIAL DA	·	t.		ade a wij a toet to earle	an dan men
ALGCATION OF POPULATION OF PEOPLE AFFECTED AFFECTED AFFECTED TO SITE (Specify Units)  1. IN RESIDENTIAL AREAS  150 150 150 35 1 mile  2. IN COMMERCIAL OF ACUIFER (Specify Units) TO SITE (Specify Units)  1. IN PUBLIC USE AREAS  5000 5000 0 1. mile  X. WATER AND HYDROLOGICAL DATA C. GROUNDWATER(specify Units) NE C. POTENTIAL YIELD OF AQUIFER ASSOCIATION OF FLOW TO SINKING WATER SUPPLY (Specify Units) 100 100 100 100 100 100 100 100 100 10	·	t.		e de la vija vija vija et te eserci	
OF PEOPLE AFFECTED UNIT AREA AFFECTED (Specify units)  1. IN RESIDENTIAL AREAS  150  150  35  1 mile  2. IN COMMERCIAL AREAS  0  0  0  1 mile  3. IN PUBLICLY 3. TRAVELLED AREAS  5000  5000  0  1. mile  X. WATER AND HYDROLOGICAL DATA C. GROUNDWATER OPERITY UNIT)  NE  2. POTENTIAL YIELD OF AQUIFER C. STRONGLY UNITS C. STRONGLY UNITS C. POTENTIAL YIELD OF AQUIFER C. STRONGLY UNITS C. STRONGLY UNITS C. POTENTIAL YIELD OF AQUIFER C. STRONGLY UNITS C. STRONGLY UNI	·	e pagada ne est dangan dangan general	Parente de la S <sup>ali</sup> ta de la serve		
O O O I mile  IN PUBLICLY TRAVELLED AREAS  5000  5000  0 1.mile  Linguistant to Groundwater specify unit)  NE  POTENTIAL YIELD OF AQUIFER  100  0 1 mile  C. GROUNDWATER USE IN VICINITY PES IN TO CROUNDWATER USE IN VICINITY PES IN TO CROUNDWATER USE IN VICINITY NE  POTENTIAL YIELD OF AQUIFER  100  100  1 mile  C. GROUNDWATER USE IN VICINITY PES IN THE COMMENT OF THE SUPPLY STREET ON TO SHINKING WATER SUPPLY PESS THAN 2 mile  100  1 mile  1 mile  C. GROUNDWATER USE IN VICINITY PES IN THE COMMENT OF THE SUPPLY PESS THAN 2 mile  100  1 mile   •	e pagada ne est dangan dangan general	Parente de la S <sup>ali</sup> ta de la serve	TE PLE D. APPROX. NO.	E. DISTANCE	
OR IN COMMERCIAL AREAS  OR IN PUBLICLY TRAVELLED AREAS  5000  5000  O 1.mile  1.mile  X. WATER AND HYDROLOGICAL DATA  DEPTH TO GROUNDWATER (apocity unit)  75 ft. *  NE POTENTIAL YIELD OF AQUIFER  100  O 1 mile  C. GROUNDWATER USE IN VICINITY PROTECTION OF FLOW NE POTENTIAL YIELD OF AQUIFER  100  100  100  100  100  100  100  1	and the second s	IX. POPULATION DIR	ECTLY AFFECTED BY SI C. APPROX. NO. OF PEOL AFFECTED WITHIN	PLE D. APPROX. NO. OF SUILDINGS	E. DISTANCE TO SITE
TRAVELLED AREAS  5000  5000  1.mile  1	A. LOCATION OF POPULATION	IX. POPULATION DIR  B. APPROX. NO.  OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOP AFFECTED WITHIN UNIT AREA	PLE D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify usurs)
TRAVELLED AREAS  5000  5000  1 mile  X WATER AND HYDROLOGICAL DATA  SEPTH TO GROUNDWATER specify unit)  75 ft. *  NE  Septential yield of Aquifer  5-100 gal/min  5000  0 1, mile  C. GROUNDWATER USE IN VICINITY  NE  C. GROUNDWATER USE IN VICINITY  PROTENTIAL YIELD OF AQUIFER  (Specify Unit of Speciment)	A. LOCATION OF POPULATION	IX. POPULATION DIR  B. APPROX. NO.  OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOP AFFECTED WITHIN UNIT AREA	PLE D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify usurs)
TRAVELLED AREAS  5000  5000  1 mile  100  1 mile  X. WATER AND HYDROLOGICAL DATA  DIRECTION OF FLOW  NE  POTENTIAL YIELD OF AQUIFER  5-100 gal/min  5000  0 1.mile  C. GROUNDWATER USE IN VICINITY  NE  POTENTIAL YIELD OF AQUIFER  1000	L-LOCATION OF POPULATION	IX. POPULATION DIR  B. APPROX. NO. OF PEOPLE AFFECTED  150	C.APPROX. NO. OF PEOL AFFECTED WITHIN UNIT AREA	PLE D. APPROX. NO. OF SUILDINGS AFFECTED	E.DISTANCE TO SITE (specify using)
X. WATER AND HYDROLOGICAL DATA  DEPTH TO GROUNDWATER appears with the second of Flow the	A. LOCATION OF POPULATION  I. IN RESIDENTIAL AREAS  IN COMMERCIAL OR INDUSTRIAL AREAS	IX. POPULATION DIR  B. APPROX. NO. OF PEOPLE AFFECTED  150	C.APPROX. NO. OF PEOL AFFECTED WITHIN UNIT AREA	PLE D. APPROX. NO. OF SUILDINGS AFFECTED	E.DISTANCE TO SITE (specify using)
X. WATER AND HYDROLOGICAL DATA  DEPTH TO GROUNDWATER appears with the second of Flow the	A. LOCATION OF POPULATION  L.IN RESIDENTIAL AREAS  IN COMMERCIAL OR INQUISTRIAL AREAS	IX. POPULATION DIR  LAPPROX. NO. OF PEOPLE AFFECTED  150  0	C.APPROX. NO. OF PEOP AFFECTED WITHIN UNIT AREA  150	D. APPROX. NO. OF SUILDINGS AFFECTED  35	2. DISTANCE TO SITE (Specify units)  1 mile  1 mile
B. DIRECTION OF FLOW C. GROUNDWATER USE IN VIGINITY  NE C. GROUNDWATER USE IN VIGINITY  residential  residential  F. DIRECTION TO DRINKING WATER SUPPLY  SPOCIAL YIELD OF AQUIFER C. GROUNDWATER USE IN VIGINITY  residential  F. DIRECTION TO DRINKING WATER SUPPLY  SPOCIAL YIELD OF AQUIFER C. GROUNDWATER USE IN VIGINITY  RESIDENTIAL YIELD	A. LOCATION OF POPULATION  I. IN RESIDENTIAL AREAS  IN COMMERCIAL OR INDUSTRIAL AREAS  IN PUBLICLY TRAVELLED AREAS	IX. POPULATION DIR  B. APPROX. NO.  OF PEOPLE AFFECTED  150  0  5000	C.APPROX. NO. OF PEOP AFFECTED BY SITE AFFECTED WITHIN UNIT AREA  150 0 5000	D. APPROX. NO. OF BUILDINGS AFFECTED  35	2.DISTANCE TO SITE (specify usus)  1 mile  1 mile  1.mile
E. DISTANCE TO CRINKING WATER SUPPLY F. DIRECTION TO DRINKING WATER SUPPLY WELLS to N, NW and NE	A. LOCATION OF POPULATION  I. IN RESIDENTIAL AREAS  IN COMMERCIAL OR INDUSTRIAL AREAS  IN PUBLICLY TRAVELLED AREAS	IX. POPULATION DIR  E. APPROX. NO.  OF PEOPLE AFFECTED  150  0  5000  100	C.APPROX. NO. OF PEOL AFFECTED WITHIN UNIT AREA  150  0  5000 100	D. APPROX. NO. OF SUILDINGS AFFECTED  35  0  1	2. DISTANCE TO SITE (specify usus)  1 mile  1 mile  1.mile
25-100 gal/min less than % mile wells to N, NW and NE	A. LOCATION OF POPULATION  I. IN RESIDENTIAL AREAS  IN COMMERCIAL OR INDUSTRIAL AREAS  IN PUBLICLY TRAVELLED AREAS  A. PUBLIC USE AREAS (Perka, schools, etc.)	IX. POPULATION DIR  E. APPROX. NO. OF PEOPLE AFFECTED  150  0  5000  100  X. WATER	C.APPROX. NO. OF PEOL AFFECTED WITHIN UNIT AREA  150  0  5000  100	D. APPROX. NO. DF SUILDINGS AFFECTED  35  0  1  A C. GROUNDWATER USE II	1 mile  1 mile  1 mile  1 mile
	A. LOCATION OF POPULATION  I. IN RESIDENTIAL AREAS  IN COMMERCIAL OR INDUSTRIAL AREAS  IN PUBLICLY TRAVELLED AREAS  A. PUBLIC USE AREAS (Perka, acheois, etc.)	IX. POPULATION DIR  B. APPROX. NO. OF PEOPLE AFFECTED  150  0  5000  100  X. WATER A	C.APPROX. NO. OF PEOL AFFECTED WITHIN UNIT AREA  150  0  5000  100	D. APPROX. NO.  OF BUILDINGS  AFFECTED  35  0  1  A  C. GROUNDWATER USE II  residential	1 mile 1 mile 1 mile 1 mile
	A. LOCATION OF POPULATION  I. IN RESIDENTIAL AREAS  2. IN COMMERCIAL OR INDUSTRIAL AREAS  3. IN PUBLICLY TRAVELLED AREAS (Perra, schools, etc.)  I. DEPTH TO GROUNDWATER(special)  I. POTENTIAL YIELD OF AQUIFER	IX. POPULATION DIR  E. APPROX. NO. OF PEOPLE AFFECTED  150  0  5000  100  X. WATER A  NE LE DISTANCE TO	C.APPROX. NO. OF PEOL AFFECTED WITHIN UNIT AREA  150  0  5000  100  IND HYDROLOGICAL DAT	D. APPROX. NO. DF BUILDINGS AFFECTED  35  0  1 A C. GROUNDWATER USE II residential F. DIRECTION TO DRINK	1 mile 1 mile 1 mile 1 mile

EPA Form 72070-3 (10-79)
\*Based on Barnes well depth, 2nd aquifer. Depth of 1st aquifer is unknown.

		X. WATER AND HYDRO		/continued	)		
TIS I ALL SHI	NKING WATER WEI	LLS WITHIN A 1/4 MILE RADIUS	OF SITE				
1. WELL	2. DEPTH	(proment)	3. LECATION 7 IN permission/bu	ildings)		NON-COM- MUNITY (BME 'Z')	CDuntyson (TY (mark 'I')
01	175 ft.	Malbon Barnes Re	esidence			Х	
02	Unknown	Navajo Tribe well	onsite			X	
	1	other residences	east of Ba	rnes ho	ne	X	
						·	
	100	and the second of the second of	Janes James Ja		· · · · · · · · · · · · · · · · · · ·		
from Mito	lose chell Draw	TION OF RECEIVING WATERS		R(specity):	· ·	· 	
Coldwater secondary	r fishery, f y contact re	ish culture, irriga creation.	tion, Lives	stock.an	a wijaiile	watering	•
		XT. SOIL AND	VEGITATION DA	TA.			
<del>-</del>	FAULT ZONE		T 45		NE OR SOLE SOL	D. WETLAN	•
urk 'T' to indi	: ab a mm -/ n ) .	XIL TYPE OF GEOLOGI		. DB35KYE	9		
	rests me tabets) «	or Sectobical meterial opserved	and specify wh		ry, the compone	at.parts.	
A. GVERBU	i'×i	of geological material observed B. SEDROCK (specify be				nt.parts.	
	IROEN X			X"	e Formatio	posity below)	
A. GVERBU	IROEN X	8. BEDROCK (specify be		X Chin	e Formatio	posity below)	
A. CVERBU	IROEN X	8. BEDROCK (specify be		X Chin	e Formatio	posity below)	
1. SAMO	IROEN X	E. DEDROCK (specity being ate Sandstone		X Chin	e Formatio	posity below)	
A. CVERBU  1. SAND  2. CLAY  3. GRAVEL  A. UNKNOW  C. MODERA	X W	E. BEDROCK (specify being ate Sandstone  XIII. SOIL.  B. VERY HIGH (200,0	PERMEABILITY	X Chinistone	e Formatio	n, Shale	& sand-
A. GVERBU  1. SAND  2. CLAY  3. GRAVEL  A. UNKNOW  C. MODERA  RECHARGE A  1. YES  DISCHARGE A	X W	E. BEDROCK (specify being ate Sandstone  XIII. SOIL  B. VERY HIGH (200,0  E. LOW (.2 10 .001 cm.	PERMEABILITY	X Chinistone	e Formatio	n, Shale	& sand-
A. GVERBU  1. SAND  2. CLAY  3. GRAVEL  A. UNKNOW  D. MODERA  RECHARGE A  1. YES  CISCHARGE A  1. YES  SLOPE ESTIMATE 3	X W  X W  X Z W  X Z NO 1.  AREA  Y Z NO 1.  OF SLOPE   2.	E. BEDROCK (specify be ingate Sandstone  XIII. SOIL  S. VERY HIGH (200,0  L. LOW (.1 10 .001 cm.  COMMENTS:  SPECIFY DIRECTION OF SLOP	PERMEABILITY 00 19 2000 cm/sec	X Chinistone	e Formatio	n, Shale	& sand-
A. CVERBU  1. SAND  2. CLAY  3. GRAVEL  A. UNKNOW  G. MODERA  RECHARGE A  1. YES  CISCHARGE A  5%  STHER GEOC  STIT, & CO	X W  X W  X W  X Z WO 3.  AREA  X 2 NO 3.  OF SLOPE  Clay. Depos	E. BEDROCK (specify be ingate Sandstone  XIII. SOIL  S. VERY HIGH (200,0  L. LOW (.1 re .001 cm.	PERMEABILITY 00 10 1000 cm/000 (1000, sand 1 luvium with nooth sandy	X Chinistone  X Chinistone  Market State  Mounds  Character  Mounds  Mou	e Formatio  HIGH (2000 to 26  VERY LOW (.00)  c.  dinate amon   commonly : caliche.	n, Shale  n, Shale  n, Shale  n, Shale	& sand-

			XIV. PERMIT INFO	RMATION				
List all applic	able permits h	eld by the site and	provide the related init	್ಷ ಕಟ್ಟ				
				S. SATE	E EXPIRATION		COMPLIA (X')	
A. PERMI (o.s.,RCRA,Simi		B. ISSUING AGENCY	C. PERMIT HUMBER	(SSUED (SHOW, day, day)	SATE (Monday, 4,970)	1.	2. 40	3. JA-
None								
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		XV. PAST	REGULATORY OR EN	FORCEMENT AC	TIONS	·	<del></del>	•
NONE	YES (ourse	marise in this speed)			_			
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PAGE 10 OF 10

on the first page of this form.

EPA Form T2070-3 (10-79)

## SURFACE IMPOUNDMENTS SITE INSPECTION REPORT

INSTRUCTION
Answer and Explain
as Necessary.

الم المراكبة	lemental Kepurt	)		- 1	or Neurosary.	\$
1. TYPE OF IMPOUNDMENT		•		1 4 (	•	and the state of t
	•	· · · · · · · · · · · · · · · · · · ·		,	1. May 2	
Earthen		. *		TRIT V		
2. STABILITY/CONDITION OF EMBANKMENTS					•	•
Good			; ;	والمعارض والمتاريخ		
	•		<u>:</u> :		<u>:</u>	
1. EVIGENCE OF SITE INSTABILITY (Emoion, So)	lling, Sink Holes, e			•		
□ , ε ≥ Φ ~ ο		1	<i></i>			
A. EVICENCE OF DISPOSAL OF IGNITABLE OR R	EACTIVE 4/STE					
	· · · · · · · · · · · · · · · · · · ·	<del></del>				
S. ONLY COMPATIBLE WASTES ARE STORED OR	DISPOSED OF IN	THE IMPOUNDME	NT			
C) YES C) NO UNKNOWN  6. RECORDS CHECKED FOR CONTENTS AND LOC	1710" 05 545"	flic ( A C T Ly Pour				•
	ATION OF EACH	SURFACE IMPUUR	CPENI			
7. IMPOUNDMENT HAS LINER SYSTEM	<del></del>	17			(ED	
[] 7E3 [] NO		TES YES		i SYSTEM CHEC! NI / N	. 20	
· 7b. FINDINGS		1 0 12		N/A		
N/A						
IN/ A  8. SOIL STRUCTURE AND SUBSTRUCTURE					<del></del>	
_	e XIII. J.					
Salidy Clay a graver se	C AIII. U.			:		
S. MONITORING WELLS						
TYES VINO	-	• .		•		
10, LENGTH, WIDTH, AND DEPTH	•	•				
LENGTH 501 WISTH 501	DEPTH	unknwon				
11. CALCULATED VOLUMETRIC CAPACITY			•			
Unknown						
12 PERCENT OF CAPACITY REMAINING						
10%	•					
13. ESTIMATE FREEBOARD		•			•	
less than 6 inches						
(X) YES NO			•		•	
IS. DREDGING DISPOSAL METHOD .						
none						
16. OTHER EQUIPMENT				<del></del>		
		•			•	
						. •
	-					

#### ATTACHMENT A

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

# Corresponding number on form

#### Additional Remark and/or Explanation

#### I.G.

#### Previous Site Owners - Operators:

Oct, 1941: Petroleum Products Refining Co. leased property from R.C. Prewitt. Lease 6-253.

Jan, 1944: Petroleum Products Refining and Producing Co. (successor to Petroleum Products Refining Co) purchased, 75 000 acres from R.C. Prewitt, Refinery area and Railroad siding (Tracts A&B). Deed 12-447.

Dec, 1946: 10 acres of the refinery tract deeded to Roy H. McKay. Quit claim Deed 4-286.

May, 1952: Malco Refineries purchased the property from Petroleum Products Refining and Producing Co. Warranty deed 10-620.

May, 1955: New Mexico Asphalt and Refining Co. purchased the property from Malco Refineries. Warranty deed 12-431

Malco purchased New Mexico Asphalt and Refining Co. and renamed it Malco Asphalt and Refining Co.

Jan, 1956: El Paso Natural Gas Products Co. purchased the property from Malco Asphalt and Refining Co. Deed 14-753.

Dec, 1966: The Navajo Tribe of Indians purchased the property from El Paso Products Co. (successor to El Paso Natural Gas Products Co.). Warranty Deed 17-83

The site consists of two areas. Tract A, contains the refinery proper, south of Hwy 66, 68.216 acres. Tract B, contains a railroad siding, north of Hwy 66 and south of the ATSF right of way 6.784 acres.

Tract A contains one waste pit that has been fenced (photo 8), one depressed area with stained soil that is not fenced(photo 9), an old oil water separator (photo 10) and other rubble and tank bases from equipment that has been removed. There are numerous diversion and containment dikes on the site.

#### ATTACHMENT A

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

## Corresponding number on form

#### Additional Remark and/or Explanation

I.i. cont'.

On Tract B, there appears to be two major areas of spillage of tar like material, one on each end of the property, along with numerous small spots of the tar like waste along what appears to be the path of the old siding. (photos 1-2, 5-7). Manifold pipes and what was probably the pump lift station are also visible(photo 3,4).

XIII.J.

Heavy uranium mining in the Ambrosia Lake District is within 20 miles to the Northeast.

Subsurface Geology: Winagate Sandstone Chinle Formation Underlying the Alluvial Fan deposits is the UTr Winagate Sandstone member of the Glen Canyon Group. It is a red to tan medium grain sandstone about 75 ft. thick at this locale and thins to the east.

The UTr Chinle Formation underlies the Winagate sandstone. The Chinle is dominantly red shale with interbedded sandstone or mottled sandstone units.

#### Structure:

The Laramide orogeny gave rise to much of the regional deformation including the Zuni Uplift, Chaco Slope and the San Juan Basin. The site lies on the Chaco Slope. Principal folds and faults were formed then as well and have a gentle northerly dip.

Receiving Waters: Mitchell Draw - ephemerol stream,
Surficially has no direct connection with Bluewater Lake - wrong side of ridge.

Surface flow would follow draw tributaries north-NE Groundwater flow would be the same, hence the houses are down dip.

Site is located in the Northwest corner of the Middle Rio Grande Basin. The Mitchell Draw eventually runs into Rio San Jose.

### RESIDENTIAL WELL SAMPLING INFORMATION

1.	Name, address and phone number of resident (include co	unty and	zip cod
	Bacca Council, Navajo Tribe	· 	
	Prewitt, New Mexico 87045		
	McKinley <sup>i</sup>		
	•	•	
- 2 <b>-</b>	Date well was dug <u>Unknown</u>		•
3.	Depth of well Unknown, probably approximately 175 ft.		
•	Depth to static water Unknown		
•	Is the well cased? Yes X No		
	If so, to what depth? Unknown		
•	What type of casing is used? PVC	<u> </u>	
		· · · · · · · · · · · · · · · · · · ·	4
• .	Is well screened? Yes No Unknown	; <b>4.</b>	
•	How much is the well pumped? (Only for residential use	or for	use in
	watering livestock?) residential and livestock	·	· · ·
	Any other pertinent information?	(see	

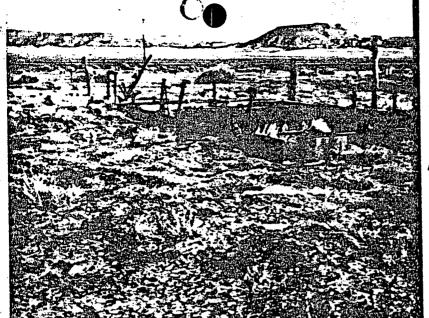
### RESIDENTIAL WELL SAMPLING INFORMATION

	Mabon Barnes
	Prewitt, New Mexico 87045
	McKinley
	Date well was dug approximately 1960
	Depth of well 175 ft.
	Depth to static water Unknown
	Is the well cased? Yes No Unknown
	If so, to what depth? Unknown
	What type of casing is used? Unknown
	• • • • • • • • • • • • • • • • • • • •
	Is well screened? Yes No Unknown
	How much is the well pumped? (Only for residential use or for use in
	watering livestock?) residential use only
	Any other pertinent information? State of New Mexico sampled this well
i	and found 185 ppb benzene. The state has recommend that use of the well be
	discontinued. Other near by wells are being sampled by the state.

ATCHISON

Abandoned Refinery Prewitt Tar Pits Prewitt, New Mexico

	State of New Mexico HEALTH and ELVIRORMENT DE SCIENTIFIC	State of New Mexico HEALTH and ELVIROLIMENT DEPARTMENT SCIENTIFIC	CHE	CHEMICAL and PHY for WATER	SICAL			becelved	LAB No.	7	ירא אינה יאנו מופ
CONSULT SI	LABORATORY I	CONSULT SLD Lab Annex L for proper presentation of sample(s). TYPE or PRINT with Ball Poli	n of sample!	s). TYPE or PRINT		85- U38 <b>S-</b> C	ب	1419112	(114:-21	7 5	755
CHEMICAL ANALYSES:	Check individu [Mark appr	Check individual items for analysis [Mark appropriate box[es]]	INTER	INTERIM PRIMARY PARAMETER GROUP	AMETER GRC		TYPE of CHEMICAL ANALYSIS  Complete Secondary	L ANALYSIS dary	M Organic		= 2.4.01ógica
Vater Supply System Name	12	L. List	Water Sup	Water Supply System Code No.		City or Location		County	Check one:	Check one:	X = 3W W.A
Competion Date	Collection Time		Side to	Collection Point	Collect	Collector's remarks Cell	eated	溪	lol!	Reed	
ollected By	0	073	Swner Swner	Barnes	N	Steve Pierre, Woth Guality Sedin	Water Ou	<del></del>	Address F T. A. S. S. A. S. A.	7536 2536 41/4 62021	
TYPE of SYSTEM	<u>5</u>	Commo	, s	Non-community	SOURCE:	CE: Spring in Stream	□ Lake □ Pool	Xwell-Depth	++	LAT.	
CATIONS	1/om	ANIONS	1/000	PHYSICAL		HEAVY	1/000	PARAMETER		ORCANIO	
00930	-	00340	i c	70300	V6₩	01000				Appear	
Sodium (as Na)	•	Chioride (as CI)	-	Total Filterable Residue		Arsenic	-			心院記念	
00935 Potassium	=	00950 Fluoride		38260 Foaming		01005 Barlum				39732 US	11
(as K)	-	(as F)	•	Agents (as Las)	•		•			The land	/ (i) :: (i) ::
00900 Tot.Hardnes	ness-	00620 Nitrate		00095 Conductance		01025 Cadmium			·	3/	文
(as CaCO <sub>3</sub> )	3,	(as N)	•	Micromhos 25°C		1	•			Mercoxychipii	<b> \</b>
Calcium (as Ca)		00430 Alkalinity (as CaCO <sub>3</sub> )		00400 pH		Chromium	+	RADIOLOG 01501 Gross Alpha	RADIOLOGICAL PCI/I 01501 Gross Alpha	39400 Toxaphene	•
00925 Magnesium (as Mg)	E	00440 Bicarbonate (as HCO <sub>3</sub> )		01330 Odor		01049 Lead		Gross Beta	V/Jd	39730 2, 4-D	•
01045 iron-Total	-	00445 Carbonate (as CO <sub>3</sub> )	•	00080 Color	1/6w	07180 Mercury		09501 Radium-226	DCI/I	39740 2, 4, 5-TP (Silvex)	•
01056 Manganese (as Mn)	3	00945 Sulfate (as SO4)	•	00070 Turbidity	•	01145 Selenium	-	11501 Radium-228	DCI/I	X Attaleum	*-
						01075 Silver					
ABORATORY	ABORATORY REMARKS:	Sample Centains: 185	ainse	18543/26	(PPB) B	Benzene	and		Reviewed	94.72	
The ab	rave Compa	The above compounds are common ingredients in gasoline and are the mare	22mm.sn	ingredient	sia gas	oline and	are th	c.m.ace.	Date reported	1/18-18-1 Sorted (371/87	21-
. D 702 Form Revised 4/78	1 Revised 4/78	13 C C C C C C C C C C C C C C C C C C C	DIS	DISTRIBUTION: White -	Water Supply Re	gulation, SF • Cana	ry - WS System	Water Supply Regulation, SF • Canary - WS System • Pink - EIA Regional Office • Goldenrod - SLD Lab	Office • Goldenn	od - SLD Lab	





Photographer / Witness
David Anderson / Junes Trucky
Date / Time / Direction
12-15-82/1135/N/=
Comments: photo 10
oil water separator
discharge noted by arrow



Photographer / Witness

Bavid Anderson / James Trusley

Date / Time / Direction

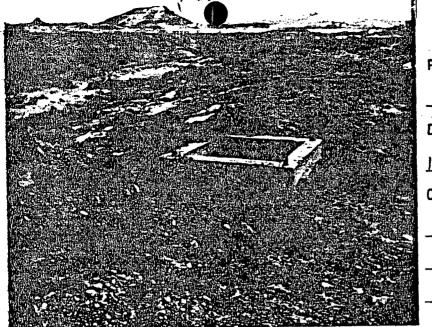
12-15-82/1144 / NW

Comments: photo #//

Site of tank that leaker

note lack of vegetation

Photographer	/ Witness	
Date / Time	/ Direction	
Comments:	The Market Commence	
		ravas por a Romania de la Sala
	18 18 18 18 18 18 18 18 18 18 18 18 18 1	





#### Photographer / Witness

David Anderson / Jomes Trusley

Date / Time / Direction

12-15-82/1034/ E

Comments: photo 4

pump lift station



Photographer / Witness

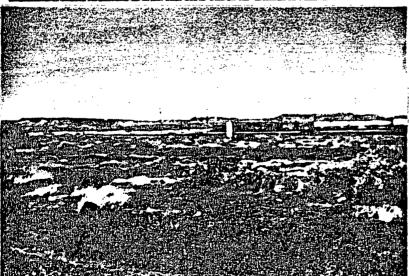
David Anderson / Jomes Trusley

Date / Time / Direction

12-45-82/1124/ NW

Comments: photo #8

fenced upote pit



Photographer / Witness

David Anderson / James Truster

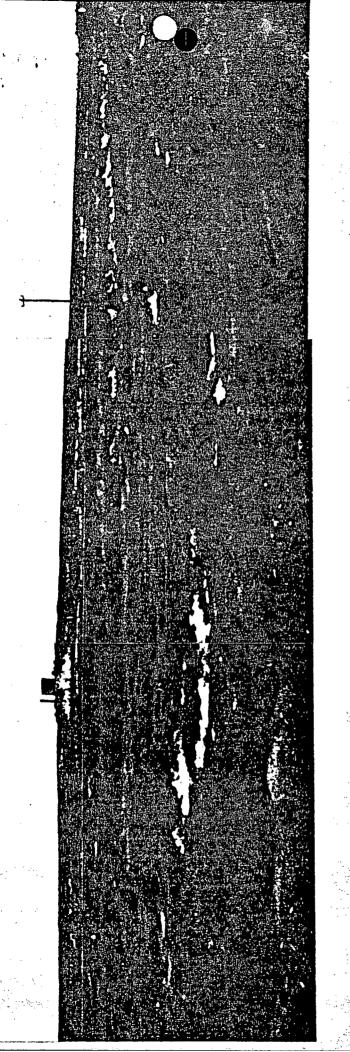
Date / Time / Direction

12-15-82/1126/NW

Comments: photo # 9

stained soil area

Bacca well in bodyround



Photographer / Witness

David Andersn / Jones Trusley

Date / Time / Direction

12-15-82/1041 / S

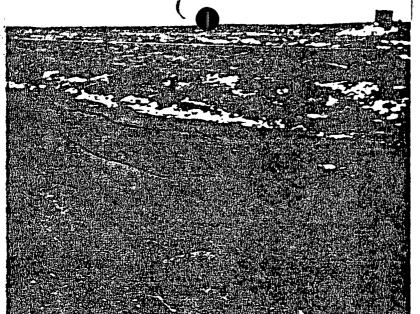
Comments:

photos 5-7

eastern end of Tract B

coverted woste over

refinery (Tract A) in backgroun





#### Photographer / Witness

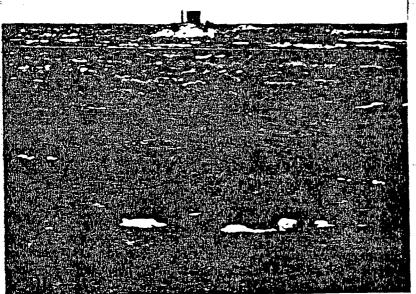
David Anderson / Jone Trustey Date / Time / Direction

12-15-82/1026/5E

Comments: ploto # /

west end of Tract B

circle encloses maste



#### Photographer / Witness

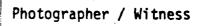
David Andrean/ James Trusley

Date / Time / Direction

12-15-82/1032/5

examples of spots along
the siding 2 50 ft

appart



David Anderson / Junes Truster

Date / Time / Direction

12-15-82/1035/11

Comments: photo # 3

manifold pipe





#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VI

1201 ELM STREET

12-15-82

			/34/0		12 / 2	
	RECEIPT	Reserved	PLES		(Date)	
NAME AND TITLE	OF EPA REPRE	SENTATI	7E:	David	Andorson	· · · · · · · · · · · · · · · · · · ·
				FIT	•	
		,	19	11/1	. J.	
			1000	(S	Signature)	<del>,</del>
SAMPLES COLLECT	TED:				- <b></b>	
SAMPLE	PLACE		•		SPLIT S	AMDIR
	COLLECTED	TYPE	VOLUME		REQUESTED	PROVIDED
Station map	221 - 114	143	Sheet	27		
Station map . Right of way rap	220 //	273	Sheet	27		•
Tigit of Vayrap	<u> </u>	' ' <del>'</del>	<u> </u>			
			<del></del>			
		<del></del>				
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4.077		05 5105		D D C B V M		
ACK.	NOWLEDGEMENT	OF FACI	LITY REP	RESENTA	ATIVE	
The undersigne been collected		es that	the samp	les des	scribed abo	ove have
NAME, TITLE AN	D ADDRESS OF	FACILIT	Y REPRES	ENTATI	VE:	
T.C. Lasse	N Envi	ronm-ntol	Enginee	_	ATSF A	? R
Onen Santa.	Fe Plaza	5200 E	Sheila S	r. Los	Alyoles Co	. 90040
1 2				İ	2/15/82	
(Signatu	re)	<del></del>		•	(Date)	.v
						er er er er er er er er er er er er er e
DISTRIBUTION .	One conv	facilit	V Tebres	entati	ve	

One copy for inspector's records Original to Regional Office

S	EPA Notif	ication of	Hazardous	Wastr Site	SE	Unite Envir	
		00.001.0240	000343		<u> </u>	Agen. Washi.	
•	This initial notification required by Section 10: hensive Environmental sation, and Liability Act	3(c) of the Compre- Response, Compen-	Please type or print additional space, use paper. Indicate the le which applies.	separate sheets of	اللا رح زي	(E) (	
	be mailed by June 9, 1	981.		# INMOOSE	l July	1 1 0 198,	
1	Person Required to Enter the name and ad	dress of the person	Name El Paso	Products Comp	any O	AEP	<u> </u>
	or organization required	d to notify.	Street P.O. Box	3986, Americ	an Bank Bui	Lding	_
	1.0	(A) (C)	city Odessa		State Texas	Zip Code 79760	_
3 🗸	Site Location: NN		プ Name of Site	ewitt Refiner	у		
	Enter the common nam actual location of the s		Street U.S. High			witt on South	_
			city Prewitt		of Highway ( ey <sub>State</sub> N.M.	2ip Code 87045	-
5	Person to Contact:			TI L MILL	al Dimon	Env. Reg.	=
	Enter the name, title (if business telephone nut	mber of the person	03.5./00.0	Hughes, Micha	en-P,Direc	LOI, AIIAIIS	
	to contact regarding inf submitted on this form.		Phone 915/333-	7400			_
)	Dates of Waste Han	dling:					_
	Enter the years that yo treatment, storage, or cended at the site.		From (Year) unknow	To (Year)	. 1957 - sh		
	oness at any site.		Purchased 1	from Malco on	Jan. 10, 19	56	
E	Waste Type: Choose	the option you pro	efer to complete		<del></del>	<del></del>	
	Option 1: Select generation you do not know the generouraged to describe	eneral waste types or	sources, you are		tion and Recovery A	ersons familiar with the act (RCRA) Section 300	
	General Type of Waste Place an X in the appro- boxes. The categories I overlap. Check each ap- category.	priate Place an isted boxes.	of Waste: X in the appropriate	listed in the regulat appropriate four-dig the list of hazardou contacting the EPA	i four-digit number ions under Section jit number in the bo s wastes and codes	to each hazardous was 3001 of RCRA. Enter to exes provided. A copy of can be obtained by State in which the site	he of
	1. E Organics	1. 🗆 Mi	_	located.			
	2. ☐ Inorganics 3. ☐ Solvents	2. □ Co 3. □ Te	nstruction xtiles				
	4. ☐ Pesticides	4. □ Fe	<del>-</del>				
	<ol><li>☐ Heavy metals</li></ol>		per/Printing				
	6. □ Acids 7. ☎ Bases		ather Tanning				
	7. Ed Bases 8. □ PCBs		n/Steel Foundry emical, General				
	9.   Mixed Municipal		ating/Polishing	<del> </del>			
	10. Unknown		litary/Ammunition				
	11. ☐ Other (Specify)		ectrical Conductors				
			ensformers				
٠			ility Companies				
		14. ⊔ Sa 15. □ Ph	initary/Refuse				
			b/Hospital	1	4.5		
		17. 🗆 U	•			•	
		18 <u>.</u> 🔁 O	her (Specify)	1			
	en en en en en en en en en en en en en e		e Refinery 00 BBL/Day)				
	Form Approved OMB No. 2000-0138				\$ 75.0		
	EPA Form 8900-1			•			

15 81 / Notices

EPA Notificati	on of Hazardous	
NMS-000-001	.027 000504	Washingshop DC 20460
This initial notification informategored by Section 103(c) of the hensive Environmental Responsibilities, and Liability Act of 1980 be mailed by June 9, 1981.	tion is Please type or print e Compre- additional space, use e, Compen- paper, Indicate the li-	e separate sheets of
Person Required to Notify:		
Enter the name and address of	the person Name Per	troleum Products Refining and Producing Compar
or organization required to notif		o Jack V. McGlothlin, P. O. Box 5198
1.	City Ab	ilene state TX zup code 79608
Site Location: NMD98-	062-2749	troleum Product's Refinery
Enter the common name (if kno	own) and Name of Site . C	
actual location of the site.		10WN
442 - Nmo	DOSI CIV	PREWIFTURE Mc Kinder State NM Zip Code 87045
Person to Contact:	0=01	
Enter the name, title (if applical	ble), and Name (Last, First and Title	watrous, Ronald E., Attorney
business telephone number of to contact regarding informatio		3-8800
submitted on this form.		
	·	
Dates of Waste Handling:		. , ,
Enter the years that you estimate treatment, storage, or disposal ended at the site.		38 To Medi) 1949
Option I: Select general waste you do not know the general we encouraged to describe the site.	types and source categories. If	Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).
- General Type of Waste: Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.	Source of Waste: Place an X in the appropriate boxes.	Specific Type of Waste:
1.  Organics	1. D Mining	
<ul><li>2.  Inorganics</li><li>3.  Solvents</li></ul>	2. Construction 3. Construction	K049
4. D Pesticides	4. D Fertilizer	K051 K052
5.   Heavy metals	5 Paper/Printing	N02
6. D Acids	6.   Leather Tanning	
7. 🗆 Bases	7. 13 Iron/Steel Foundry	
8. 🗆 PCBs	8 Chemical, General	
9. Mixed Municipal Waste	9. D Plating /Polishing	
10. 🛘 Unknown	10. Military/Ammunition	
11. D Other (Specify)	11. D Electrical Conductors	
	. 13. D Utility Companies . 14 D Sanitary/Refuse	
	15 (7) Photofinish	
net in	16. [] Lab Hospital	
	17 D Unknown	
	18 D Other (Specify)	
	A CONTRACTOR CONTRACTO	

			· · · · · · · · · · · · · · · · · · ·		
Federal Re	.ter lol. 4	6. No. 72 /	Wednesday, Apri	iu. 1 / Notices	

	Notification of Hazardous Waste Site	Side Two	٠
=	Waste Quantity	Facility Type Total Facility Waste Amount	
	Place an X in the appropriate boxes to indicate the facility types found at the site.	1. □ Piles	
	In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.	3. Ži Landfill gallons 4. □ Tanks Total Facility Area 5. ☒ Impoundment true lank nown	
	In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	6. Underground Injection .  7. D Drums, Above Ground	
	Known, Suspected or Likely Releases to	o the Environment:	
	Place an X in the appropriate boxes to indicate or likely releases of wastes to the environment		Non€
	Note: Items Hand I are optional. Completing hazardous waste sites. Although completing	these items will assist EPA and State and local governments in locating and assign the items is not required, you are encouraged to do so	sessi g
4	Sketch Map of Site Location: (Optiona	il) .	-
	Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.		
		•	
	•		
1	Description of Site: (Optional)	Closed petroleum refinery. Likely that waste	
	Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.	treatment pond sludges and leaded tank bottom disposed of at site but no specific knowledge street address but only refinery ever located town. Refinery closed in 1949.	. N
			_
	•		
	•	, , , , , , , , , , , , , , , , , , ,	
<u>.</u>	Signature and Title:		
•	The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address	Nume Petroleum Products Refining & Producting Compassions C/o Jack V. McGlothlin, P. O. Box Transporte	st er
•	in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify If you are not required to notify check "Other"	City Abilene State TX Zip Code 79608 Operator, F  Signature On all Elliothoris Date 6/9/8/ Other	

[FR Doc. 81-11500 Filed 4-14-81; 8:45 am]

BILLING CODE 6560-29-C

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Dave Peters, Chief Parameter (SES-SH)  To Sam Nott, Chief Enforcement Section (6ES-SH)  To Sam Nott, Chief Enforcement Section (6AN-SE)  Site Name Present Tan P. T. Tan P.		cc:	<b>∤</b> d.:1	lie Ki	tchall	(5K-S)	•	<b>∸</b>			PRE This	LIMII does	NARY not Hon (	REPC consti- of EPA	)RT tuts	
Dave Peters, Chief Power Hazardous Waste Section (6ES-SH)  To: Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Location Hazsit No. The Hazit No. The Hazsit No. The Hazit No.		Ē.	Cin		Ras	ults Tel	Tof- 1	uelk 85 pp	16 -	as le	nys Lj	lco	e.	12	Sta	te
Dave Peters, Chief VWW Hazardous Waste Section (6ES-SH)  TO Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Prewiff Tan to the Location Hazsit No. 11 12 8  TDD No. 12 8  TDD No. 12 8  T2070-2 attached (12 12 12 12 12 12 12 12 12 12 12 12 12 1			3.	Houst	soil,	•	ts	att:	ached	Ì	) } }	e reconstitue				
Dave Peters, Chief Wardow  Hazardous Waste Section (6ES-SH)  To: Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name			2	Contr	act la	p Lsen	lts:									
Dave Peters, Chief Variable  Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Location Hazsit No.  TDO No.  A. Field Report:  T2070-2 T2070-3 recon sampling ISS Compliance Report ISS Notification Requirement Form attached ISS Notification Requirement Form attached  B. §311 potential (completed by 6ES-E):  1. §311 sample collected 2. Analytical results attached 3. Proposed §311 action:  C. Were drinking water wells  yes ( ) no (X )  sampled?			_		• .	งวัยพ	·	att	ached	(	)				· ·	` -
Dave Peters, Chief Waldward  Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Location Hazsit No. TDD No.  AM 128 TDD No.  A. Field Report:  T2070-2 T2070-3 recon sempling attached (X) ISS Compliance Report attached ISS Notification Requirement Form attached ()  B. §311 potential (completed by 6ES-E):  1. §311 sample collected yes () no (X) 2. Analytical results attached yes () no (X) 3. Proposed §311 action:	:	)_			Data:			• i			•					
Dave Peters, Chief Physical Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Location Hazsit No. Hazsi		<b>:</b>			ing wa	ter we	lls		yes	(	)		no	K)		•
Dave Peters, Chief  Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Location Hazsit No. The 1228 TDD No.  A. Field Report:  T2070-2 T2070-3 recon sampling ISS Compliance Report ISS Notification Requirement Form attached  ISS Notification Requirement Form attached			2.	Ānaly	tical :	results	attached		yes yes	(	}				•	<b>-</b>
Dave Peters, Chief TWW Lazardous Waste Section (SES-SH)  Sam Nott, Chief Enforcement Section (SAW-SE)  Site Name Prewitt Tan Pit Location Hazsit No. Alm 1228 TDD No. R6-821C-31A  A. Field Report:  T2070-2 T2070-3 recon sampling attached (X) ISS Compliance Report attached (X)	В	١.	§311	poten	tial (	camp1 et	ed by 6ES	-E):								
Dave Peters, Chief PWW 1000  Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Prewitt Tar P. T. Location Hazsit No. AIM 1228 TDD No. Rb-8210-31A  A. Field Report:  T2070-2 attached (X)			ISS	Compli	ance Re	eport `		atta	ched	(	\ } }					•
Dave Peters, Chief VWW Low Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Prewith Tan P. T. Location Hazsit No.  Hazsit No.  TDD No.  TES 15 188				-												_
Dave Peters, Chief VWW (6ES-SH)  Hazardous Waste Section (6ES-SH)  Sam Nott, Chief Enforcement Section (6AW-SE)  Site Name Prewitt Tan P. T. Location Hazsit No. 1228	•			d Repo	rt:	C-02	16-51	<u> </u>								
Dave Peters, Chief Volume   FES 15 198  _Hazardous Waste Section (6ES-SH)  GAEG	L H	ocat azsi	ion it No		Pres Pres A'/	w.'# 7 1:	, ル'.M. Zみ8	P.4 1								•
Dave Peters, Chief VW (6ES-SH)						AW-SE)						\$				
Diw	H:	azar	dous	Waste	Section	n (6ES	-SH)	•	•		•			6	AFG	•
Potential Hazardous Waste Site	swe Di	ave	Peter	re. Ch	iet V	relation								FES	151	98 <b>3</b>
	r: Po	oten	tial	Hazar	dous Wa	ste Si	te			٠					3-11	Æ.

# POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION SITE NUMBER (to be se-

6

NM-1228

NOTE:	This	form	is com	pleted	for	each pote	ntial he	zardous	wa	ste site	to heip	set	priorities	for	site inst	ection.	The	information
submitte	d on	this	orm is	based	00 8	available	records	and me	y be	updated	on su	bsequ	ent form:	sas	a resuit	of addi	tional	inquiries
and on-	ite is	spec	tions.				r			•		-						

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

Agency; Site Tracking System; Hazar	dons waste Tutolcament 13	ASE FORCE (2:14-	3337, 401 M SC, S	w; wasnin	gron, DC 20460.
	I. SITE IDE	NTIFICATION			
A. SITE NAME		1	other identifier)		
Abandoned Refinery (AKA	<pre>Prewitt Tar Pits Y</pre>		66, ½ mile v	vest of	Prewitt Post Off
Prewitt		N.M.	87045	McKin	
G. OWNER/OPERATOR (II known) 1. HAME			. 1	2. TELEP	HONE NUMBER
Navajo Indian Tribe	•		,	1	
H. TYPE OF OWNERSHIP		· .	<del></del>	1	
1. FEDERAL 2. STATE		CIPALS.	PRIVATE6. L	NKHOWH	,
I. SITE DESCRIPTION The site is an abandoned in stained soil areas.	refinery and rail	road sidir	ng. Waste is	conta	ined in a pit and
J. HOW IDENTIFIED (1.e., citizen's compi	lainta, OSHA citationa, etc.)				K. DATE IDENTIFIED
Unknown		•			(mo., day, & yr.)
L. PRINCIPAL STATE CONTACT				<del></del>	
1. NAME	***			i	HONE NUMBER
	ID P.O. Box 2536 M			505-28	87-8845
IL. A. APPARENT SERIOUSNESS OF PROBL	PRELIMINARY ASSESSME	NT (complete t	his section last)		
X. 1. HIGH		5. L	пикиоми		*
B. RECOMMENDATION					
1. NO ACTION NEEDED (no hexard)			DIATE SITE INSPEC TATIVELY SCHEDU		
3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED F	OR:	b. WILL	L BE PERFORMED	<b>9</b> Y :	<del></del> .
b. WILL SE PERFORMED BY:					re may a sayer
	•	4. SITE I	INSPECTION NEEDI	ED (low pric	prity)
The state of the s	No. 18 Company of the company of the	A - W A		il and children	A service of the serv
C. PREPARER INFORMATION	<b>A</b> 1	2. TELE	PHONE NUMBER	. 1	3. DATE (mos, day, & yrs)
David Anderson David C	Inderson	214-7	42-4521		Jan 20, 1983
l David Milder John		HORMATION	4/-43/.	<del>\</del>	0411 201 1703
A. SITE STATUS	_				and the second second
1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)	2. INACTIVE (Those alter which no longer receive wastes)		het include euch inc continuing use of the	site for wa	"midnight dumping" where lete disposal has occurred.)
B. IS GENERATOR ON SITET N/A		<del>!</del>		does	MAY REPORT
1. NO	2. YES (specify gene	retor's four-digi	it SIC Code):	er obtuse	VARY REPORT not constitute on of EPA
C. AREA OF SITE (in acres)	D. IF APPARENT SERIOUSN  1. LATITUDE (degminee			ORDINATE	ES
65	35 <sup>0</sup> 21'35" N		108 <sup>0</sup> 01	155# W	
E. ARE THERE BUILDINGS ON THE SIT	·E7		1 100 01	n	
i. NO 2. YES (specify	ي يسوم محديد والديون ما السيد مناه الرمام 1965ع	is a	<u> </u>	•	

RETURNED BY (G

T2070-2 (10-79)

Continue On Reverse

Continued From Front	IV. CHARACTERIZATION OF SITE ACTIVITY												
Indicate the major sit			ils :		_	ity by merking 'X' in	the o			<u></u>			
A. TRANSPOR	TER .	<u>~</u>	3. 57	ORER	<u>~</u>	C. TREATER		5.	3151	POSER			
1. RAIL		I. PILE			<del>-</del> +	. FILTRATION		I. LANOPIL		·			
2. SHIP		A \	CE	MPOUNDMENT	<del></del> -	. INCINERATION		2. LANOFAI					
J. BARGE		3. GRUMS			<del></del>	. VOLUME REDUCTIO		3. OPEN DU					
4. TRUCK		4. TANK.	A 80	VE GROUND	4	. RECYCLING/RECOV	ERY	X 4. SURPACE	IMF	QUNDMENT			
S. PIPELINE		S. TANK.	361	ONUDRE WO.	6	. CHEMJ PHYS. TREA	TME	T B. MIDNIGH	, 24	MPING			
6. OTHER (specify):		-Je. OTHER	(sp	ocily):	_	. BIOLOGICAL TREAT							
				,		. WASTE OIL REPROC				HOITSELHI OF			
		·				. SOLVENT RECOVER L OTHER (*pocily):	<u>*</u>	. OTHER (	p <b>e</b> ci	ty):			
E SPECIFY DETAILS	OF SITE AC	TIVITIES AS	NE	EDED						· · · · · · · · · · · · · · · · · · ·			
The site has be tamination with from the upper	een inac h gasoli	tive for ne while	1	5-20 years.	Si wás	te water well in operation.	was	s closed bec This well ob	tai	e of con- n water			
A. WASTE TYPE				7. WASTE RELAT	ED	INFORMATION							
	X LIQUIO	1	. so	LID (X)4.	s L U	OGE SAGA	s			· •			
B. WASTE CHARACTE	RISTICS						·	<del></del>					
1. UNKNOWN				_		_	SHLY	VOLATILE					
Me. Toxic	∏7. REACT	145 TT9	. 3 NJ	ERT LA		mmable							
10. OTHER (speci	(fy):												
C. WASTE CATEGORI		a Samily its		anch as manifesta i		emaios em holom							
I' WA LAGORER OF ASS	SCOR SASTITUTE	is absent in		iden es mammets.	av•	twart, in. below.							
No '													
2. Estimate the am	ount(specif	y unit of med	su	w)of waste by cat	•60	ry; mark 'X' to indica	te w	hich wastes are pr	454	at.			
a. SLUDGE	<b>b.</b>	OIL		e. SOLVENTS		& CHEMICALS		4. SOLIDS		i. Other			
AMOUNT	AMOUNT		AM	THUO	1	MOUNT	Y MC.	INT		UNT			
Unknown	Unknow			known		Unknown	_	ne	No				
UNIT OF MEASURE	UNIZOF	EASURE	UN	IT OF MEASURE	0	NIT OF MEASURE	UNIŢ	OF MEASURE	רואט	r of measure			
X' (1) PAINT,	X' (1) OIL	<b>*</b> *	·x'	(1) HALOGENATES	- 1-2	(1) A CIDS	×,	FLYASH	·×1,,	, LASORATORY PHARMACEUT.			
PIGMENTS	X WAS	TES		SOLVENTS			_[_			PRARMACEUT.			
(2) METALS SLUDGES	X (2) 97)	(ER(aposity):	Х	THROUGH ALOGHT	9	(2) PICKLING LIQUORS	(2	SOTESBEAL	(2	DHOSPITAL			
(S) POTW				(3) OTHER(specify)	"	(3) CAUSTICS	(3	LDMILLING SHIM EDMILLING	l c	SVITDACIOAR IS			
(4) A LUMINUM SLUDGE		materia ery oper				(4) PESTICIDES	1.4	FERROUS SMLTG. WASTES	1.	4) MUNICIPAL			
X (3) OTHER(epocity		3 - 7 - 1				(8) O Y ES/IN KS		) NON-FERROUS SMLTG. WASTES	(;	BI GTHER (opecity)			
Asphalt or tar				• •	1	(EI GYANIOE		) OTHER (specify):					
100 mm m m m m m m m m m m m m m m m m m	The Same	\$1.44 51.44			Γ	(71 FHENGLS				•			
1.543	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:			r	(S) HALOGENS				•			
					+	(9) PCB		·					
					x	ITOIMETALS Lea	d r	ossible		•			
					F	(11) GTHER (epocity)	- 1						
***					Γ								

V. WASTE RELATED INFORMATION (continued)

the contract of the contract o

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hezard).

Benzene Toluene

4 ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

N		VI. HAZ	ARD DESCRIPTION	ON
A TYPE OF HAZARD	B. POTEN- TIAL HAZARO (merk 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo.,dey,yh)	E. REMARKS
- NO HAZARD				
. HUMAN HEALTH	X			Sec. VI.5.
NON-WORKER INJURY/EXPOSURE	,	***		
. WORKER INJURY				
CONTAMINATION OF WATER SUPPLY	Х	·	12-14-82	Analysis of Barnes well shows 185 pp
CONTAMINATION OF FOOD CHAIN				benz
OF GROUND WATER	X		12-14-82	See VI. 5 ·
CONTAMINATION OF SURFACE WATER				
- DAMAGE TO - FLORA/FAUNA	Х		12-14-82	area of no vegetation from leaky gas line tank
IO. FISH KILL				
11 CONTAMINATION OF AIR	•			
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X		12-14-82	Numerous areas of stained soil
14. PROPERTY DAMA GE	Marine to guiden the graph	a service a market a record	Contraction of the contraction o	and the second section of the section of
16. FIRE OR EXPLOSION	X	Х	·	Pit with waste has been ignited several times in the past.
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				·
17. SEWER, STORM DRAIN PROBLEMS				
16. EROSION PROBLEMS				·
16. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES			1	
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Cantinued From Front					
	V	IL PERMIT INFO	RMATION		
A. INDICATE ALL APPLICABLE PER				· ·	<del></del>
None		•		,	
1. NPDES PERMIT 2 SPC	C PLAN 🔲 :	L STATE PERMIT(	epocify):		
_ 4 AIR PERMITS S. LOC	AL PERMIT 🔲	S. RCRA TRANSPO	RTER		
7. RCRA STORER S. RCR	A TREATER	. RCRA DISPOSER			
		•			
10. OTHER (specity):					
B. IN COMPLIANCET N/A					•
☐ 1. YES ☐ 2. NO		1. UHKNOWN			•
				•	
4. WITH RESPECT TO (list regul	etion neme & munber	)"			
	VIII. P	AST REGULATOR	RY ACTIONS		
A. NONE . YE	S (summerise below)	·			
	•		• '	•	
			•		•
	IX. INSPEC	TION ACTIVITY	(past or on-doing)		
☑ A. HONE □ B. YES	(complete iteme 1,2				
1. TYPE OF ACTIVITY	2. DATE OF '	1. PER FORMED BY:	•···	4. DESCRIPTION	
	(mos day, & yts)	(EPA/State)			
-					
<del> </del>				<del></del>	
			<del></del>		
1 .					-
	Y Beu		(2224 22 22 42 44		.,,,,
	A. REM	EDIAL ACTIVITY	(past or on-going)		
NA NONE - B. YE	S (complete items 1.	2. 3. & 4 below)			_
3.75	2. DATE OF	1. PERFORMED	[		
_ I. TYPE OF ACTIVITY	PAST ACTION	BY: (ZPA/State)		4. DESCRIPTION	
	( and 2071 & 770).	(42.74.04.07)			
<b>L</b>	1				
	<del> </del>			• • • • • • • • • • • • • • • • • • • •	
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	<del>                                     </del>	<del>                                     </del>			•
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I	·	<i></i>	<u> </u>		

EPA Ferm T2070-2 (10-79)

information on the first page of this form.

PAGE 4 OF 4

NOTE: Based on the information in Sections III through, X, fill out the Preliminary Assessment (Section II)

Helan NMO/228

DEC 6 1982

RECEIVED BEA REGION VI

Mr. Tim Lassen ATSF Railway Co. 5200 E. Shelia Street Los Angeles. CA 90040 1982 DEC -7 PM 1: 20 SUPERFUND BRANCH

Re: Request to Inspect Prewitt Tar Pits in Prewitt, NM

Dear Mr. Lassen:

This is to inform you that Ecology and Environment, Inc. (EEI), is a duly authorized consultant for the U.S. Environmental Protection Agency (EPA). Representatives from EEI may, upon presentation of a Letter of Introduction, enter any facility where hazardous materials are generated, stored, treated, disposed of, or transported to determine compliance with standards, regulations and permits issued pursuant to the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Specifically, this inspection is to determine if an "imminent and substantial endangerment to health of the environment" exists as described by Section 7003 of RCRA or Section 106 of CERCLA. Please be aware this inspection will not include a determination of compliance with RCRA Interim Status Standards. Authority to conduct this inspection is contained in Section 3007 of RCRA and Section 104 of CERCLA.

An inspection may include a review of records, taking photographs, and collecting samples. Representatives of EEI are authorized to collect information which is considered confidential. Any such information must be specified as confidential at the time of the inspection so that appropriate protective measures may be taken.

Mr. K. Malone, EEI, Field Inspection Team Leader, or a member of his staff, will contact you to arrange an inspection.

A copy of the inspection report and any analytical data for your facility may be obtained by writing to Sam Nott (6AW-SE), EPA Region 6, 1201 Elm Street. Dallas, Texas 75270.

6ES-SH:KSOLARI:kfh:x9770:12/6/82

If you have any questions concerning this matter, please contact me at (214) 767-9783 or Karen Solari of my staff at 767-9770.

Sincerely.
Original signed by
Dave Peters

Dave Peters
Deputy Project Officer (6ES-SH)

cc: Mr. Raymond Sisneros (NMEID)

bcc: Sam Nott (6AW-SE)
K. Malone (FITL)

MAR 4 1983

Mr. Charles Nylander
New Mexico Environmental
Improvement Division
P. O. Box 968
Santa Fe, New Mexico 87503

Dear Mr. Nylander:

This letter is in reference to a February 23, 1983 telephone conversation between Dave Boyer of your staff and Larry Wright of my staff. That conversation concerned the Prewitt Refinery site located near Prewitt, New Mexico.

Mr. Boyer asked about the eligibility of this site for listing on the National Priority List (NPL) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). As noted during the conversation between Mr. Boyer and Mr. Wright, Section 101(14) and Section 104(a)(2) of CERCLA exclude petroleum, including crude oil and any fraction thereof, from response under the Act. It is our understanding that the groundwater contamination at the site results primarily from gasoline from past site operations, although benzene has been detected in the groundwater at high levels. If the contamination results from gasoline only, this could severely impact the ranking of the site. Until we have more complete details about the site, however, we are unable to make the determination concerning the petroleum exclusion.

In order for the site to be listed on the NPL, it must be ranked using the Hazard Ranking System (HRS), as detailed in the July 16, 1982 Federal Register as an attachment to the National Oil and Hazardous Substances Contingency Plan. Please compile and submit all the data and information (technical and legal) available about the site and we will evaluate it and use it to rank the site using the HRS. Mr. Dwight Hoenig (214-767-9712, FTS 729-9712) is in charge of the section that does the ranking and your staff may contact him directly with questions concerning the ranking system.

I am enclosing, with this letter, a copy of a report on the site which was recently received in our office. The report is based on a December 15, 1982 inspection of the site by Ecology and Environment, Inc. The site was inspected as a result of its listing in our HAZSIT system.

If you have any other questions related to this matter, please feel free to call me at (214) 767-9709 or FTS 729-9709.

Sincerely yours,

#William Rhea

William B. Hathaway, Deputy Director
Air & Waste Managment Division

Enclosure

bcc: UNM 1228

Hoenig, 6AW-SO

1 2 2 2 2	4 N - 1 1 N - 1 N		STE SITE		1111/010
	IDENTIFIC TION AS			$\cup$ $\cup$ $\cup$	NM 012
NOTE: This form is complete to be submitted on this form is be and co-wite inspections.	eted for each potential ! ased on available record	nazardous waste si ik and may be upda	te to help set pri ted on subseque:	orizes for site insp t forms as a result	ection. The inform of additional inquir
GENERAL INSTRUCTIONS Assessmenth File this for Agency; Site Tracking Syst	コ Ŀ むっ Rっぱっこり Haこむ	rdous Fasts Loz Fi	ie and submit a	cov to: 15.3. Envis	onmental Protection
		L'SITE IDENTIF	ICATION		
A. SITE NAME	( L): V	a. 57	RESTILOT OTHER JE	1 60 0 ./	1/18
C. CITY PORILY	<u> </u>	D/ 3	11/4 A		Wester/ Sta HTY HAME!
G. CHERIOPERATOR (II Em	-m)			2. TEL	PHONE NUMBER
H. TYPE OF OWNERSHIP	RR.	•	•		• •
	TATE 3. COUNTY	4. MUNICIPAL	E PRIVAT	€- ·· □s. UNKNOW	
I. SITE DESCRIPTION		SE DD	6 / /		
J. HOW IDENTIFIED (1.0., cfila	A JAN JA JA KA	intions, etc.)	right-of	-way	K. DATE IDENTIFE
P.J.		Z		•	(200, day, & 7.3)
L. PRINCIPAL STÂTE CONTA	complaint	<del></del>	·		16/240
1. NAME			•	A. TELE	PHONE NUMBER
Rok I	lunces			505/	427/527/12
A. APPARENT SERIOUSHESS C		Y ASSESSMENT (C	emplete this sec	ion lest)	
	EDIUM X2. LOW	HOHE .	s. U~<#0#	и	
S. RECONMENDATION			<del></del>	·	
1. NO ACTION REEDED (	(no heard)		2. IMMEDIATE SI B. TENTATIVE	TE INSPECTION NE LY SCHEDULED FOI	EDES 1:
3. SITE INSPECTION HEE	EDED EDULED FOR:	•	b. WILL BE PE	RFORMED BY:	•
b. WILL BE PERFORME	:D BY:				
	7		4. SITE INSPECT	TON HEEDED (Tow pr	riority)
NIM ZI		_	• .		
NOM ZI				•	•
C. PREPARER INFORMATION	*				1 × 0475(36, 42.
C. PREPARER INFORMATION  1. NAME  1. D. // 1.	State State		2. TELEPHONE	NUMBER	13. DATE (30., 607.
	? ?	III SITE INCOM	505/827/	NUMBER / 27.5	13. DATE (30., 607.
Jack - Ellinge	e	III. SITE INFORM	505/827/	5271/275	13. DATE (30., 607.
A. SITE STATUS		VE (There   ] ]	OTHER (epicif	de such incidents liki	9/1/8/
A. SITE STATUS  1. LACTIVE (Those Industrial Interpretation which are being low water and the state of the st	sund sites which no clipposal waster).	VE (There   ] ]	OTHER (epicif	de such incidents liki	9/1/8/
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A. SITE STATUS  1. LACTIVE (more industrial properties which are being for which are being for which are being for which are being for which are military.)  B. IS GENERATOR ON SITE?	3 und site mich mo disposal most no disp	VE (There longer received (The no re	I. OTKER (epecification)  of eites that includes or continuin  low—digit SIC Co  F SITE IS MIGH, S	de auch incidente like i uso of the alte for m	9//8/
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Continued From Front	<u> </u>			•					6-1
· · · · · · · · · · · · · · · · · · ·				CHARACTERIZAT					<u>٠٠ ز : - : - : : : : : : : : : : : : : : :</u>
indicate the major sit	e activity!	ies) and co	3 i ! :	relating to each a	c t i	vity by merking 'X'	i	propriete boza	S
A. TRANSPOR	TER	×	E. :	STOPER	ř	<u>C.T</u> REATE	(B)	N N	D. DISPOSER
II. RAIL	•	I. PILE			1 1	I. FILTRATION		1 H. LINGE	16.6
12. 5-10		1. 12. 504 6	4 C E	IMPOUNDMENT	1 !	E. INCINERATION		1 3. LANDE	ARM CONTRACTOR
3. BARGE		13. ERU-	3		1	). YOUUME REDUCT	TON	1 3. 07EN =	وين:
A. TRUCK		A. TANK	, 4 8	104E C#CUHO		4. RECYCLING/REC	OVERY	A. SURFAS	THEWCHUDGENT
TE. PIPELINE		- 15. TANK.	. s c	LO- CROUND	i	5, CHEW_PHYS, TR	EATUENT	I Is. MIDNIS	HT CUYPING
S. OTHER (specify):		4. CTHE	R ( )	p+cily):		s. SIDLOCICAL TRE	ATUENT	S. INCINE	
	•		,	•	$\Box$	T. WASTE OIL REPR	DC E25145	ים ביים ו	GROUND INJECTION
		}		• • • • • • • • • • • • • • • • • • • •	H	1. 30LYENT RECOV	ERY	S. OTHER	(+p+c)(7):
	*	:	- 2			. OTHER (specily):			
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E. SPECIFY DETAILS	OF SITE A	STIVITIES AS	5 H 5	EESEO		<del></del>	·	L	
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		•							Madawa Latera
				V VIETE STORY			·		
A. WASTE TYPE				V. MASTE RELAT	50	ROHARSTRI		•	
	_		,				•		
<b>◯</b> 1. UNKHOWN □	ב נוכטוס	_;	. sc	י בונס .	なしり	ces 🗀 r e	: 25	-	
B. WASTE CHARACTE	RISTICS	<del></del>		<del></del>					
l	72 CORRO	SIVE TIS	. 16	HITABLE TA	RAD	SOACTIVE DE H	COHLY V	OLATILE .	•
	J7. REACT			=		HHYBLE			
					•		<b>.</b>		
19. OTHER (*)**c!!	w1-					•		• •	. · • · · · · · · · · · · · · · · · · ·
C. WASTE CATESORIE		<del></del>	الرج علام	<del></del>					
1. Are records of wast	es available	e) Specify its	m s	such as mesifests, i	A 7 4 F	startes, esc. below.	. —		
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2. Estimate the ama		vinit of ne					ela mbio	<del></del>	
<del></del>	7	<del></del>	1	<del></del>	+	<del></del>	<del></del>	<del></del>	
AMOUNT	I B.	OIL	1	e. SOLVENTS	143	L. CHEMICALS	1AMOUN	SOLIOS	I. OTHER
(11)/			1				1		
UNIT OF MEASURE	UNIT OF L	ELSURE	107	IT OF MEASURE	ري [	SELEASURE	UNIT OF	MEASURE	UNIT OF MEASURE
			1		1	•	1	-	
X'I(1) PAINT.	X. (1) OIL		<u>                                     </u>	CITALOSENATED	<u> </u>	•}	l'zi		
PIGMENTS	10,5%	TES	۱	SOLVENTS	1	(1) A CIDS	1000	YASH .	TATELLY PHARMALEUT.
<u> </u>	1 1		<u></u>	,	十	<u> </u>	11	<del></del>	
12:METALS SLUDGES		(ER(3p4c//7):		121 HON-HALDSHTO SOLVENTS	1	LIQUORS	127 42	363703	121HOSPITAL
<u> </u>			-	<u> </u>	十	<del>!</del>	<del>                                     </del>	•	
CHPOTW	Ì			CONTRACTOR (4D+cily)	١.	ISI CAUSTICS		NE TYIFIHGS:	SVITSLOIDARIES
<del>                                     </del>	}		}		$\vdash$	1	<del>                                     </del>		
14) A LUMINUM SLUDSE			•		1	(A) PESTIC:DES	(4) 5 A	ERROUS LTG. WASTES	ואההאופוטער
<u> </u>	ł			. •	-	1	<del>}                                    </del>		1 1
X (S) OTHER( ) > + city):		•		•	1	ISTOYES/INKS	(3) 75	LTG. WASTES	1310THER(+pecify):
Thick heavy	ŀ		}		-	<del>```</del>	<del></del>	HER(specify):	
7.000,0,000	-			•		IS) CYANIDE	1	•	
INKNOWN!	1		,		-	<u> </u>	1		
Marekial	1					17) PHENOLS		- 1	-
Marekial	100000			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		1	!	
			1		1	ISIMALOSEMS	1	÷ '	
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	·		1		-	<del>i</del>	١		
~	)	70	***	1	1	INDIMETALS			·
4 .	!	*; /;		Same of the second	<u> </u>		<u>!</u>		
				Garage Commence	1	# 11130 - 27:00-cit			,
	<b>}</b> .	• •	,		1	•		•	
	1		1	**	1		•		· · {

Jubstances unknown

A ADDITIONAL COMMENTS OR MARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

		·		•	
		VI. HAZ	ARD DESCRIPT	СН	
CRAIAH QD EGYTJA	B. POTEN- TIAL MAIARD (Dark 'X')	ALLESED INCIGENT (Dark 'X')	D. DATE OF INCIDENT (500, 500, 700)	E.REMARKS	
1, NO HAZAPO		<b>非经验的第三</b>			はいまたが、
2. HUMAH MEÁLTH	У		·	Husical dancer to	SHall
3. HOH-WORKER BRUNTALENCHURE			•	Children - Katerial	mav
4. YEULNI KIKOW .			•	be Lovie addition	n/1/2
CONTAMINATION STOP HATER SUPPLY			•	,	<i>_</i>
CONTAMINATION STORM OF FOOD SHAIN		,			
7. CONTAMINATION OF CROUND WATER				·	
S. OF SURFACE WATER				·	
P. PLORA/FAUNA	X				
10. FISH KILL					
11. CONTAMINATION 11. OF AIR				·	
12. NOTICEABLE COORS			-		
13. CONTAMINATION OF SOIL					
14. PROPERTY DAMAGE		Ş.			
IS. FIRE OR EXPLOSION		•			
15. RUNCFF/STANDING LIQUIDS			•	3	
17. DERER, STORM PROBLEMS	,				
ts, EROSION PROBLEMS					
ID. INADEÇULTE SECURITY	X				
20. INCOMPATIBLE MASTES				·	
מאיקשטם לאכואסו אונג	X				••
६६. २८ महाम (स्वरताहा)					
		•		. •	

Continued From Front			
		VII. PERMIT INFO	RHATIOH .
A. INDICATE ALL APPLICABLE	PERHIT BY TH	E SITE.	
1. NPOES PERMIT 2.	SPCC PLAN	3. STATE PERMIT	'apecity):
4. AIR PERMITS 5.	LOCAL PERMIT	S. RCRA TRANSPO	ATER .
7. RERA STORER 8.	RCRA TREATER .	9. RCRA DISPOSER	•
10. OTHER (specify):	None Know	ous NV	
B. IN COUPLIANCES			•
1. YES 2.	ио- ∵	I. UNKNOWN	•
4. WITH RESPECT TO (IIst	egulation name & numbe	<i>"</i> :	
	VIII.	PAST REGULATO	RY ACTIONS
A. HONE -	. YES (summerize below	·) .	
•			ميممنوهم والمعترف الراجود المعاد فوادا الأخراء الأراث أند ميميين روادا التي أيواأن الراجانيين الراجع الرحوالات الم
•	•	••••	المستسفدة فالمستفادة والمستفادة و
•			•
	IX.INSPE	CTION ACTIVITY	(past or cartoina)
		CHON ACTIVITY	
A. NONE B.	YES (complete Items 1.	2,3, & 4 below)	•
1. TYPE OF ACTIVITY	2 DATE OF PAST ACTION (mo., cey, 4 yr.)	3 PERFORMED . BY: (EPA/Sia(s)	4. DESCRIPTION
			***
	X. REM	EDIAL ACTIVITY	(past or omgoing)
<u> </u>	YES (complete items 1,		
1. TYPE OF ACTIVITY	PAST ACTION (mo., day, 4 yr.)	3. PERFORMED BY: (EPA/Siete)	4. DESCRIPTION
•			
		<u> </u>	
•			
		<u>'</u>	

EPA Form T2070-2 (10-73)

PAGE 4 OF 4

EPA POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION REGION SITE NUMBER NEW DIARY
NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.
A. SITE NAME  B. STREET (or other identifier)  Incarit /AP Tits inestal Sexusts
1. STATE 870 45 6.60/A
G. OWNER/OPERATOR (II known)  1. NAME  1. YSF PR.
H. TYPE OF OWNERSHIP (II known)  1. FEDERAL 2. STATE 3. COUNTY 4. MUNICIPAL 5. FRIVATE 6. UNKNOWN
A low area along the RR eight-of-way yilled with a neavy plack HAR-like substance.
MELDY CHARLES AND AND AND AND AND AND AND AND AND AND
J. HOW IDENTIFIED (I.e., citizen'e complainte, OSHA citatione, etc.)  (mo., Bay, L. yr.)  L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM  K. DATE IDENTIFIED  (mo., Bay, L. yr.)  (2)
Complaint said pets and live stock were getting  stuck in this unknown substance.
M. PREPARER INFORMATION  1. NAME  ANTI Eliminica  2. TELEPHONE NUMBER  3. DATE (000., day, & yr.)  505/201/201/201/201

SEP ( & 1981

		·		4		San	gies				
SEPA		HAZ; RDOUS WAS TIVE DISPOSITI			REC	ION SITE	NUMBER M 006	281			
File this orm in the regional I System: .zardous Waste Enfo	Hazardous Waste Log orcement Task Force					tection Ag	gency; Site	Tracking			
A. SITE MAME  PREWITT Rel	inery	I. SITE IDENTII	E STREET	· · · · · · · · · · · · · · · · · · ·	1 Ru	- X 0	nalds	Same.			
E. SITY Prewith	· .	-	e. STREET    Q   H   ES   W     D   STATE			E. ZIP CO	DE	( Tage			
				<del></del>	<del></del>		·				
Indicate the recommended acti	ion(s) and agency(ies	s) that should be in	nvolved by ma	rking 'X'	in the appr						
and the second	RECOMMENDATION		1			STATE	LOCAL	1			
A. NO ACTION NEEDED NO H	HAZARD	·		mann a	1.00 (1.00 1.00 (1			PRIVATE			
B. INVESTIGATIVE ACTION(S)	NEEDED (II yes, comp	X		X							
C. REMEDIAL ACTION NEEDED											
ENFORCEMENT ACTION NE D. be primarily managed by the E is enucipated.) E. RATIONALE FOR DISPOSITI	PA or the State and wh	at type of enforceme	ent action								
F. INDICATE THE ESTIMATED (mc., der, & yr.)  (Mc., der, & yr.)  (MC)  (M			G. IF A CASE EST!MATE (mo., day, &	DEVELOP D DATE O	MENT PLA WHICH T!	N IS NECE	SSARY, INC	VELOPED			
·	/ III. I	NVESTIGATIVE A			· · · · · · · · · · · · · · · · · · ·						
TALE	samples to	confirm the	e presen	ce of c	en Fam	inafe	s in	the			
E. PROPOSED INVESTIGATIVE	E ACTIVITY (Detailed )	information)		<del></del>				·			
1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO		3. TO BE PERFORMED BY (EPA, Con- tractor, State, etc.)	4, ESTIMATED MANHOURS		5. REMARKS.						
TYPE OF SITE INSPECTION					-		-				
		<u> </u>									
(2)			:	PI	<b>ELIMINA</b>	RY REPT	नद्ध				
			<u> </u>		n obititor		uie				

Glil81 NHEED

Organics

III. INVESTIGATIVE	ACCIVIT	SEDED OF	nd PART S.P.	ROPOSED INVES	TI TIVE	ACTIVI	TY (Continued)
d. TYPE OF LAB ANALYSIS .						<del>701111</del>	, , , , , , , , , , , , , , , , , , , ,
(1)	.						
(2)			·				
e. OTHER (specily)				-		<del></del>	
(2)							
ELABORATE ON ANY OF THE I	NFORMATIO	N PROVIDED	IN PART B (on	tront & above) AS I	NEEDED TO	IDENTI	TY ADDITIONAL
	•		•				.,
. ESTIMATED MANHOURS BY AC	TION AGEN						
		MANHOURS	FOR				2. TOTAL ESTIMATED MANHOURS FOR
1. ACTION AGENCY		INVESTIGAT ACTIVITI	FS	1. ACTION A	GENCY		INVESTIGATIVE ACTIVITIES
I. EPA			b. :	STATE	-		
c. EPA CONTRACTOR		<del> </del>	d.	OTHER (apecily)			
		11/	DEVENIA	CTIONS			
. SHORT TERM/EMERGENCY ST	RATEGY (Or		REMEDIAL A		led to bring	site und	r immediate control. e. e te-
strict access, provide alternate w	ater supply,	etc. See insu	ructions for a lis	t of Key Words for	ech of the	ctions to	be used in the space below.
	2.EST.		ACTION AGENC				Y 311 OR OTHER ACTION:
1. ACTION	DATE (mo,day,&yr	DATE (mo, day,&yt)	(EPA, State, Private Party)	5. ESTIMATE			TE THE MAGNITUDE OF
				s			
				S	<u> </u>		
				s			
· · · · · · · · · · · · · · · · · · ·			•	s			
				3	•		
				s		•	
				s			
		<u> </u>					
B. LONG TERM STRATEGY (On Side See instructions for a list of Key						und water	monitoring wells, etc.
	2. EST.	3. EST.	٠ 4.				
1. ACTION	START	DATE	ACTION AGEN	S. ESTIMATE	D COST	INDICA	FY 311 OR OTHER ACTION;
	/mo.dev.&yı	) (mo.day,& yr)	Private Party				IE WORK REQUIRED
		!		S		<u> </u>	
A Company of the Comp	. 5.		·	s		{	under the state of the state o
				s	<del></del>		•
		1	<u>                                     </u>			<u> </u>	
				S			
		· · · · · · · · · · · · · · · · · · ·		s		j	
				s			
C. ESTIMATED MANHOURS AND S	CST RV AC		<u> </u>			<u> </u>	
		••			Z. TOTAL	EST.	3. TOTAL EST. COST
2. TOTAL EST. MANHOURS FOR AGENCY AGENCY ACTION ACTION ACTION	PEVEDIA	L EST. COST	1.ACT	ION AGENCY	MANHON	TIAL T	3. TOTAL EST. COST
B. EPA	September 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the same tracking the prof	b. STATE	ر داری دارانیمه ایسان در اینمها			
	100 m Siz			(specify)	1		
C. PPIVATE TO AN INC.	1.00 m 1.000 1.000 m 1.000 1.000 m 1.000	era vite e o a out i de la	14.4	restriction and the	. J. J. V. J.	2	The state of the s

	A COLLEGE	SI INSPECTION REPOR		VI N.M. 00281
	CEMERAL INSTRUCTIONS Complice on this form to develop a Tenta File. Be sure to include all appropriection Agency; Site Tracking Syste	tive Disposition (Section II). File rists Supplemental Reports in the	this form in its entirely in tile. Submit a copy of the fo	he regional Hazardons Waste Log
L		1. SITE IDENTIF	CATION	
	LPEW. H Poliniep		TREET (or over Idenaus)	PARILS AN CLASSING
	c. city	0.1	UM.   E. 217 9952	Mc Kinler
	1. NAME DANGONE	£		2. TELEPHONE NUMBER
	3. STREET	4. CITY		S. STATE G. ZIP CODE
	R. REALTY ORNER INFORMATION (II	MUNIO TE	ihe	2. TELEPHONE NUMBER
	3, CITY			4. STATE B. ZIP CODE
	AN Abandoned	oil relinery		
	1. FEDERAL 2 STAT	Z 3. COUNTY 4. N	UNICIPAL S. PRIVAT	
Ĭ		II. TENTATIVE DISPOSITION (C		
	A. ESTIMATE DATE OF TENTATIVE DISPOSITION (SG / Ser, & 7%).	1	EDIUM LOW	☐ & HOHE
٠	1. NAME  INCH EllVINGER		TELEPHONE NUMBER	3. DATE ( === der, & 710). 5-26 (81
	A. PRINCIPAL INSPECTOR INFORMA	III. INSPECTION IN	FORMATION	
	Trok Ellvinger		ENVIRON MENIAL	Cientist
		lous Waste		505/827/5271/275
11.5°	INSPECTION PARTICIPANTS	2, ORGANIZA	ATION	S. TELEPHONE NO.
N	l'last lloure blood	NMETH - Solid O	Inste	505/827/527/1282
N	and the sales of t		:	
€				
BAEG	<del></del>	NEWED (corporate officiale, workers,		100000
E 0	I. NAME	2. TITLE & TELEPHONE NO.		ACORESS
REVIEWED BY (GAEGH)	(NA)			
2			This does no	COLLAND
1			final opinion	OI EFF
			Section 1	DM Charles William St. 1
事 打計		Company of the control of the contro	man man and a man to get	

•	<del></del>	ECTION INFORFATION (continued)	
D. DENERATOR INFORMATIO		•	
1. HAME	2. TELEPH E NO.	3. 400REIS	4. WASTE TYPE GENERATE
Haleo Oil Co	Owned P.	Vivery 4,11 1956	
El Paro Do	eint - Dw	red Lelivery Vill 1966	- Odeska. (v.
Fille on half of	K. while and		The state of the s
E. TRANSPORTER/HAULER		7	
TAME	2. TELEPHONE NO.	3. ADDRESS	4.WASTETYPETRANSPORT
•	• • • • • • • •		
•			****
F. IF WASTE IS PROCESSED	OH SITE AND ALSO SHIP	PED TO OTHER SITES, IDENTIFY OF F-SITE	FACILITIES USED FOR DISPOSAL.
I, NAME	2. TELEPHONE NO.	3. 405	RESS
•			
•			
G. DATE OF INSPECTION	H. TIME OF INSPECTIO	· _	•
(5)(13/8)	10:30 AM.	1. PERVISSION 212	19.147
J. HEATHER (docents)	- Wary		
		V. Sampling Information	
A. Mark 'X' for the types of	samples taken and indi	cate where they have been sent e.g., regi	onal lab, other EPA lab, contractor,
etc. and estimate when t		ible.	
1.SAMPLE TYPE	Z.SAMPLE TAKEN (merk'X')	3.SAMPLE SENT TO:	4.DATE RESULTS AVAILABLE
s. GROUNDWATER	1 1	love Laken at the live	e el inspection.
b. SURFACE WATER			0
C. WASTE		-	
d. AIR	 1 %	er gan er fre	
e. RUNOFF		•	S. O. Mangaran
L SPILL			
E. SOIL			
L. VEGETATION			• • •
L OTHER (POCITY)		•	
B. FIELD MEASUREPENTS T	AKEH (o.g., redioectivity,	explosivity, PH. etc.)	A Company
1. TYPE (77	P 2. LOCATIO	N OF MEASUREMENTS	3.RESULTS
र्गा स्टब्स् रहेन्द्र	None	Laken	1.44
The state of the s			
Land St. Carrier	The state of the s		

	V. SAMI	PLING INFORM	ATION (continued)		
C. PHOTOS					<u> </u>
1. TYPE OF PHOTOS	,	2. PHOTOS IN	CUSTODY OF:	•	•
TI CROUND D. AER	RIAL	ستر پر ۱۰۱	Till usan		5
D. SITE WAPPED!		1 - 51 8 20/1	ZIIIINSOB		
	A.F. 11   D.F.				The first term of the control of the
YES. SPECIFY LOCATION	OF MAPS:	•	5.50		
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
E. COORDINATES			•		
1. LATITUDE (degminsec.)	•		2. LONGITUDE (degconeec.)	٠.	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·		· Committee of the comm		n water 👡 🐍 🕟
		11 5175 1150			
A. SITE STATUS		V. SITE INFO	RMATION		
	1				
1. ACTIVE (Those inductrial a municipal sites which are being us		VE (Those longer receive	(Those sites that include such in		
for weste treatment, storage, or dis		ionger receive	where no regular or continuing us	• 01	the site for wests disposal
on a continuing basis, even if Infre	-		has occumed).		
quently.)	•	• • •	•		•
B. IS GENERATOR ON SITE!	<del></del>		<del></del>		
1. NO 1 2. YES(2)	ecily generator's lour-	distance Codes.	7611		
سي ١٠٦٠ سي ١٠٦٠	APPLIATE TO DESCRIPTION OF THE PROPERTY OF THE	4" SIC COST).	~//(		
• .					
C. AREA OF SITE (in acres)	C. ARE THER	£ BUILDINGS OF	THE SITE!		
	₹ 1. NO	2 YES(3	oecity);		
~ 25 acres			•		•
OS COMES_					
			OF SITE ACTIVITY		
Infritte the major site solinity()	es' and derails relat	ung to each act	ivity by marking 'X' in the app:	نجوه	ate boxes.
A. TEANSPORTER	B. STO	252	C. TREATER	Ĺ×.	D 31530555
A. IRANSFURIER	5.310	n= <b>n</b>	C. IREALER	X	D. DISPOSER
II.RAIL	1 II.PILE		1. FILTRATION	1,7	1. LANSFILL
(2.5HIP	2. SURFACE IMP	CUNDMENT	2.INCINERATION		12. LANDFARM
	<del>                                     </del>			+-	
3. BARGE	3. DRUMS	1	3. VOLUME REDUCTION		3. OPEN DUMP
4. TRUCK	4. TANK. ABOVE	GROUND	4.RECYCLING/RECOVERY	$oldsymbol{\perp}$	4. SURFACE IMPOUNDMENT
S. PIPELINE	S. TANK, BELOW	GROUND	S. CHEM/PHYS/TREATMENT		S. MIDNISHT DUMPING
					8. INCINERATION .
o. CTHER (specify):	6. OTHER (opecify	r): .	6. BIOLOGICAL TREATMENT	ı	
o. CTHER (specify):	6. OTHER (epecify	7);	7. WASTE OIL REPROCESSING	+	7. UNDERGROUND INJECTION
e. CTHER(specify):	6. OTHER(opecify	r); .	7. WASTE OIL REPROCESSING	+	<u> </u>
8. CTHER(specify):	6. OTHER(opecify	7):	7. WASTE OIL REPROCESSING		S.OTHER(specity):
o. CTHER(specify):	6. OTHER(epecify	7):	7. WASTE OIL REPROCESSING		S.OTHER(specity):
6. CTHER(specify):	6. OTHER(epecify	r):	7. WASTE OIL REPROCESSING	Ť	13. OTHER (Specily):
a. CTHER(specify);	6. OTHER(epecify	r):	7. WASTE OIL REPROCESSING	Ť	S.OTHER(specity):
a. CTHER(specify):	6. OTHER(epecify	r):	7. WASTE OIL REPROCESSING	Ť	13. OTHER (Specily):
6. CTHER (specify):	6. OTHER(epecify	7):	7. WASTE OIL REPROCESSING	Ť	13. OTHER (Specily):
			7. WASTE OIL REPROCESSING   8. S OLVENT RECOVERY   9. OTHER(specily):	0	Passible Contamuna l'a well bore holes
E. SUPPLEMENTAL REPORTS: IF	the site falls within a	iny of the cat ego	7. WASTE OIL REPROCESSING   8. S OLVENT RECOVERY   9. OTHER(specify):   1. S OLVENT RECOVERY RECOVERY   1. S OLVENT RECOVERY RE	0	Passible Contamuna l'a well bore holes
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you	the site falls within a have filled out and att	iny of the cat ego	7. WASTE OIL REPROCESSING    8. S OLVENT RECOVERY    9. O THER(specily):    10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specily):   10. O THER(specil	0	Passible Contamuación well bore holes
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you	the site falls within a	iny of the cat ego	7. WASTE OIL REPROCESSING    A.S OLVENT RECOVERY    B. OTHER(specily):    Continue	0	Passible Contamuna l'a well bore holes
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you	the site falls within a have filled out and att	iny of the cat egor ached to this for.	7. WASTE OIL REPROCESSING   8. SOLVENT RECOVERY   9. OTHER(specily):   10. Other (specily):   0	B.OTHER(Specify):  POSSIBLE Contamuac  L'a Well Bore holes  Bust be Explained: Indicate	
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE	the site falls within a have filled out and att	iny of the cat egor ached to this for.	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(specily):    S. OTHER(specily):    SURFACE   MACHINEMENT   Companies   Compan	3.5	B.OTHER(Specify):  POSSIBLE Contamuac  L'a Well Bore holes  Bust be Explained: Indicate
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you 1. STORAGE	the site falls within a have filled out and att 2. INCINERATION 7. LANDFARM	iny of the exerconscient to this for.  1. LANDFIL  8. OPEN DU	17. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY    9. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):   10. OTHE	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  I. STORAGE  G. CHEM/BIO/ DHYS TREATHENT	the site falls within a have filled out and att 2. INCINERATION 7. LANDFARM	iny of the exerconscient to this for.  1. LANDFIL  8. OPEN DU	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(specily):    S. OTHER(specily):    SURFACE   MACHINEMENT   Companies   Compan	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE	the site falls within a have filled out and att 2. INCINERATION 7. LANDFARM	iny of the exerconscient to this for.  1. LANDFIL  8. OPEN DU	17. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY    9. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):   10. OTHE	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ FREATHENT  A. WASTE TYPE	the site falls within a have filled out and att 2. INCINERATION 7. LANDFARM	iny of the exerconscient to this for.  1. LANDFIL  8. OPEN DU	17. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY    9. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):    10. OTHER(specily):   10. OTHE	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you I. STORAGE   6. CHEM/BIO/  FMYS TREATMENT   A. WASTE TYPE	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL. H	ached to this for.  3. LAHOFH  8. OPEN DU	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(Specily):    S. OTHER(Specily):    S. OTHER(Specily):    SURFACE   MACHINEMENT     MACHINEMENT   SURFACE     RFACE     MACHINEMENT   SURFACE   SURFACE     MACHINEMENT   SURFACE   SURFACE     MACHINEMENT   SURFACE   SURFACE   SURFACE   SURFACE     MACHINEMENT   SURFACE   SURFAC	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: II which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ FREATHENT  A. WASTE TYPE  1. LIQUID	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL. H	ached to this for.  3. LAHOFH  8. OPEN DU	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(Specily):    S. OTHER(Specily):    S. OTHER(Specily):    SURFACE   MACHINEMENT     MACHINEMENT   SURFACE     RFACE     MACHINEMENT   SURFACE   SURFACE     MACHINEMENT   SURFACE   SURFACE     MACHINEMENT   SURFACE   SURFACE   SURFACE   SURFACE     MACHINEMENT   SURFACE   SURFAC	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you I. STORAGE   6. CHEM/BIO/ 6. PHYS TREATMENT   A. WASTE TYPE   1. LIQUID   B. WASTE CHARACTERISTICS	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL N  2. SOLID	ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(Specily):    S. OTHER(Specily):    SURFACE   MADOUNOMENT     HP	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: IS which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ FREATHENT  A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL. H	ached to this for.  3. LAHOFH  8. OPEN DU	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(Specily):    S. OTHER(Specily):    SURFACE   MADOUNOMENT     HP	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ 6. PHYS TREATMENT  A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL N  2. SOLID	ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE	1. WASTE OIL REPROCESSING    S. SOLVENT RECOVERY    S. OTHER(Specily):    S. OTHER(Specily):    SURFACE   MACHIOMENT     HP	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ 6. CHEM/BIO/ A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL M  2. SOLID  2. IGNITABLE	any of the except ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OTHER(	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: IS which Supplemental Reports you I. STORAGE   1. STORAGE   6. CHEM/BIO/  FREATMENT   A. WASTE TYPE   1. LIQUID   B. WASTE CHARACTERISTICS   1. CORROSIVE   5. TOXIC	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL M  2. SOLID  2. IGNITABLE	any of the except ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OTHER(	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ F. PHYS TREATMENT  A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS  1. CORROSIVE  3. OTHER (epoclip):  1. ASTE CATEGORIES	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL N  2. SOLID  2. IGNITABLE  6. REACTIVE	ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OT	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: IS which Supplemental Reports you I. STORAGE   1. STORAGE   6. CHEM/BIO/  A. WASTE TYPE   1. LIQUID   B. WASTE CHARACTERISTICS   1. CORROSIVE   3. TOXIC	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL N  2. SOLID  2. IGNITABLE  6. REACTIVE	ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OT	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ F. PHYS TREATMENT  A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS  1. CORROSIVE  3. OTHER (epoclip):  1. ASTE CATEGORIES	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL N  2. SOLID  2. IGNITABLE  6. REACTIVE	ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OT	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS  1. CORROSIVE  3. OTHER (epocify):	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL N  2. SOLID  2. IGNITABLE  6. REACTIVE	ached to this for.  3. LAHOFIL  8. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OT	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: IS  which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS  1. CORROSIVE  5. TOXIC  9. OTHER (epocify): C. PASTE CATEGORIES  1. Are records of warres evaluable	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL M  2. SOLID  2. IGNITABLE  6. REACTIVE	any of the emergor ached to this for.  3. LANDFIL B. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING    8. SOLVENT RECOVERY   9. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):    10. OTHER(Specily):   10. OT	3.5	Bust be contents  DEEP WELL
E. SUPPLEMENTAL REPORTS: If which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS  1. CORROSIVE  9. OTHER (epocifo):	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL M  2. SOLID  2. IGNITABLE  6. REACTIVE	any of the emergor ached to this for.  3. LANDFIL B. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING   8. SOLVENT RECOVERY   9. OTHER(Specily):   1. SURFACE     4. SURFACE	3.5	S. OTHER (*pocity):  POSS , ble Contamusa  La Well Dore holes  Bust be obstated; Indicate  DEEP WELL  O. RECYCLOR/RECLAIMER
E. SUPPLEMENTAL REPORTS: IS  which Supplemental Reports you  1. STORAGE  6. CHEM/BIO/ A. WASTE TYPE  1. LIQUID  B. WASTE CHARACTERISTICS  1. CORROSIVE  5. TOXIC  9. OTHER (epocify): C. PASTE CATEGORIES  1. Are records of warres evaluable	the site falls within a have filled out and att  2. INCINERATION  7. LANDFARM  VIL M  2. SOLID  2. IGNITABLE  6. REACTIVE	any of the emergor ached to this for.  3. LANDFIL B. OPEN DU  (ASTE RELATE  3. SLUDGE  7. INERT	7. WASTE OIL REPROCESSING   8. SOLVENT RECOVERY   9. OTHER(Specily):   1. SURFACE     4. SURFACE	3.5	S. OTHER (*pocity):  POSS , ble Contamusa  La Well Dore holes  Bust be obstated; Indicate  DEEP WELL  O. RECYCLOR/RECLAIMER

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}				ELATE					4	_					
2. Estimate the amou	T			este by	cates				-	J	which waste	s are p	re s	ent.	
A.SLUDGE	S. OIL	-	c, SOL	VENTS			CHE	HICAL			e. SOLIDS		1 1	I. OTHE	٠ .
	II. IK				1		• • •	•	)"			•	-	THUO	· ~
UNIT OF MEASURE	UNIT OF MEASURE	U	IT OF	MEASUR	£	UNIT	OF M	EASUR	E	<b>۸</b> (	IT OF MEAS	IR E	Un	TOF MEA	
TE PAINT.	Z' DILY	· x ·		OGENA? VENTS	ED	X'	) A Č 10	<b>s</b> ,	+	न	(I) FLYASH			(I) LABORA	TORY.
(2) METALS	2) OTHER (apacily	13		-HALDS VENTS	אדם.	12	PICK	LING ORS	1	1	(2) ASBESTOS			(2) HOSPIT	i.
(3) POTW	Passibly	F	13) OTH	ER(apec	117):	. 12	I C A US	TICS		1	(3) MILLING/I	41N E		(3) RADIOA	CTIVE
. (41 ALUMINUM SLUDGE	Dasoline.	•	•	:	. <b>:</b> ·	,4	I P E S T	'(C DE	•		(4) FERROUS ING WAST	SMELT Es		(4) HUHICIP	AL
IB) OTHER (apocity):	Telea ethyl Lead		•				OYE	VINKS			(3) NON-FERF	LOUS		(S) OTHER	(*p+cl(y)
	l den		• • • • • • •	-	· .		) C YA	HIDE		٢	(6) OTHER(2)	edly):			* * * * * * * * * * * * * * * * * * * *
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						i	D: ME	TALS	:		· · · · ·	•••		• • • •	•
		.	<del>.</del> .		••••	'		HER(4P	ecity).						• :
	<u></u>					<u>.</u>			1	_					
D. LIST SUBSTANCES	OF GREATEST CONC		HICH A				CITY	in desc	ending	Or.	der O( hazard)				
1.SUBST	ANCE		b.	C.VAT	4.	onerk b.		d. NONE	4. CA	LS.	NUMBER	5.	AHC	דאט.	E.UNIT
Dislive			X		X							101	— الا	,	
	1 (		1										′/		<del></del>
	/ <i>b</i>	ł	1 🗸	1	$\sqrt{1}$					_	•	111	( <u>)</u>	-	
· · · · · · · · · · · · · · · · · · ·	Lad		X		X						•	U	K UK		
A 2000 K-1V		a.±	Y.			· for	1.05	an	i ch		- ho in				10 m
A possibility	Lad Mists th	a:£	Thes			Han	1005		ich		bo in				Mark.
A possibility		a;£	Hes	e dec		Han	cos	дn	ich		bo in				Mar ng
A possibility		2,4	Yhes.	e dec		Yas	1005	pn	ich		bo in				202 TE
A possibility		2.×	Thes	e dec		Han	1000		ich		t be in				1.03 mg
A possik-lity	. Misks ff.		 	P Ard	65 ARD	DES	CRIPT		4		****	<i>A</i>	he		
FIELD EVALUATIO	HAZARD DESCRI		 	P Ard	65 ARD	DES	CRIPT		4		****	<i>A</i>	he		
FIELD EVALUATION barard in the space	N HAZARD DESCRI	IPTIC	· VI	II, HAZ	ARD X' in	DES:	CRIPT	TOH indica	te that	ı.	ne listed haz	A sard exi	he		
FIELD EVALUATION hazard in the space	N HAZARD DESCRI	IPTIC	· VI	II, HAZ	ARD X' in	DES:	CRIPT	TOH indica	te that	ı.	ne listed haz	A sard exi	he		

Continued From Front	VIII. HAZARD DESCRIPTION (continued)	
H. DAMAGE TO FLORA/FAUNA	0	ğ ,•'
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	·	•
(A)A)		•
20.33		
2		•
t. FISH KILL		
(NA)		
J. CONTAMINATION OF AIR		
-		
		•
$(\Lambda   A)$		
	•	
K. NOTICEABLE ODORS	-	
:· (N#)	· · · · · · · · · · · · · · · · · · ·	•
		•
X L. CONTAMINATION OF SOIL		
0.1:		1 / Vais
Coil in the are	a shows evidence of spilled	x. 0115, racs
possibly frok botton	a shows evidence of spilled ms - API Pitstill there with	La mixture
of oil and water is		
of actions waser		
M. PROPERTY DAMAGE		
(DX)	•	
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B. HON-WORKER INJURY/EXPOSURE	VIII. HAZARD	DESCRIPT	ION (COMMA			
	(11.0				•	
	(NA		• , ,	•		en en en en en en en en en en en en en e
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		•	• •	•		
C. WORKER INJURY/EXPOSURE				•		
	(II A)	•	•		Providence	
·	(NA)		. • •	•	•	
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D. CONTAMINATION OF WATER SUPPLY						•
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CRE A	· .			. •	•	
C R R						• .
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E. CONTAMINATION OF FOOD CHAIN						
(NA)						
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F. CONTAMINATION OF GROUND WATER	· · · · · · · · · · · · · · · · · · ·		<del> </del>	<del></del>		
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SEE A			•			Tarring (1971)
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G. CONTAMINATION OF SURFACE WATER	#1 14 1 AZ		See an	e same		
(A)A					And the second	
(1017)	•					
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P. SEWER, STORM DRAIN PROBLEMS



Q. EROSION PROBLEMS



R. INADEQUATE SECURITY

No Security at this 3 the what-so-ever.

S. INCOMPATIBLE WASTES



	VIII. HAZARD DES	CRIPTION (continued)		
T. MIDHIGHT DUMPING	TON HARRY DES	- contract		
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U. OTHER (specity):				
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	IX POPULATION DIRE	CTLY AFFECTED BY SITE	T	J
A.LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C.APPROX. HO. OF PEOPLE AFFECTED WITHIN - UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E.DISTANCE TO SITE (*pecily units)
1.IN RESIDENTIAL AREAS	-0-	-0-:	-0-	2 Hiles
2 IN COMMERCIAL OR INDUSTRIAL AREAS	-0-	-0-	-0-	34 Miles
3. TRAVELLED AREAS	-0-	-0-	-0-	1/2 Hiles
		1	- 0	site
4. (parks, schools, stc.)	- 50 -	1 50-		104/15
		ID HYDROLOGICAL DATA	GROUNDWATER HEETE	•
		ID HYDROLOGICAL DATA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VICINITY -
A. DEPTH TO GROUNDWATER POCE  120 KY.  D. POTENTIAL YIELD OF AQUIFER	11 mile) B. DIRECTION OF F	ID HYDROLOGICAL DATA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VICINITY O Vable NG WATER SUPPL
A. DEPTH: TO GROUNDWATER ** PACE  120 X Y.  D. POTENTIAL YIELD OF AQUIFER  UNK.	B. DIRECTION OF F	ID HYDROLOGICAL DATA	House hold + 1	VICINITY O Vable NG WATER SUPPL
D. POTENTIAL YIELD OF AQUIFER  UNK  G. TYPE OF DRINKING WATER SUP	E. DISTANCE TO DE (apocity unit of mo	ID HYDROLOGICAL DATA	House hold + 1	VICINITY O Lable NG WATER SUPPL
A. DEPTH TO GROUNDWATER OPER LOCKY.  D. POTENTIAL YIELD OF AQUIFER UNK.  G. TYPE OF DRINKING WATER SUP	E. DISTANCE TO DE (apocify unit of more):  2 COMMUNITY (apocify town):  > 15 CONNECTIONS	ID HYDROLOGICAL DATA	House hold + 1	VICINITY OKable

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Continued From	Peres		· .				•
		X. XATER AND	HYDROLOGICA	L DATA (continu	ieC)		×
H. LIST ALL DOL	HKING WATER WEL	LS WITHIN A 1/4 HILE	RADIUS OF SITE				
1. WELL	2. DEPTH (apecity writ)		proximity to popul	TION HIGH buildings)		NON-EOM- MUNITY (mark (X')	COULUM 17Y (mark 'X')
Pel. Will.	1- 150/+	ON the	Val Pel.	12/1 - 12/	uile West		
Û.	1 . /	al Hilan	m del	hichus			1
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An exact			• .				
				• • • • •	-		
I. RECEIVING WA	TER	<u> </u>		·····	<del></del>		<u> </u>
1. NAME	THE CLASSICAL	Z. SEWERS		STREAMS/RIVE	1	·	
1							
		<u>)</u> 2. so:	L AND VESITAT	ION DATA	<del></del>		<del></del>
A. KHOWN	FAULT ZONE						. • •
	•						
Mark 'X' to ind	icate the type(s) o	f geological material o	baerved and spe	cify where seces	isary, the compo	cest parts.	
**SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS  **ACUSE Cold + prigation.**  **M. SOIL AND VESITATION DATA  **LOCATION OF SITE IS IN:  **A. KNOWN FAULT ZONE	•						
1. SAND		•					
Z. CLAY				1			
3. GRAVEL			•		•		
1.		XII	L SOIL PERKEX	BILITY			-
	TE (10 to .1 cm/***	=	H (100,000 to 1000 001 cm/**c.)	) =/:•c.)	C. HIGH (1800 16 F. VERY LOW (.	10 cm/sec.) 001 to .00001 cm/	**c.)
G. RECHARGE A	·	COMMENTS:	N.		•		
H. DISCHARGE		COMMENTS:					
I. SLOPE					<del></del>	•	<del></del>
1. ESTIMATE &	OF SLOPE 2.	SPECIFY DIRECTION O	F SLOPE, CONDI	TION OF SLOPE.			Nation 1
J. CTHER GEOL	OGICAL DATA			<i>;</i>			
1.30							
100	•	•			•	,	

PACES OF 19

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EPA Form 72070-3 (10-79)

ntinued From Front	<del></del>	YTU DEDUIT INTO	24 ( 710)			<del></del>	
ist all applicable permits he	ld hu the site sed	XIV. PERMIT INFO					<u>-</u>
			D. DATE	E. EXPIRATION	<i>F.</i> IH	COMPLIA	NCE
A. PERMIT TYPE	B. ISSUING -AGENCY	C. PERMIT	(50.,dey,by.)	DATE (ma, coy,byr,)	. to due	2. NO	S.UH.
None-		•				· wage	20
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	• · ·	•	•				
				1			
	XV. PAST	REGULATORY OR EN	FORCEMENT AC	TIONS			
					**		
NOTE: Based on the info on the first page	omation in Secti			ive Disposition	(Section	(I) info	mation
PA Form T2070-3 (10-79)		BACE	10 OF 10				

- 17 · 4

## ENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

HEGION SITE HUMBER (10 50 00

VI

HOTE: This form is completed for each potential hexardous waste alte to help set priorities for site inspection. The information submitted on this form is based on swallable records and may be updated on subsequent forms as a result of additional inquiries

	1. 5172 1	DENTIFICATIO				
A. SITE NAME Prewitt Refini	nσ		of Gallup of	n T-ÀO	\$	
C. CITY Gallup	iig	D. STATE	E. ZIP CODE	F. COU	NTY HAME	<u> </u>
G. OWHER/OPERATOR (II known)			187311	Mc	cKinley	
Unknown - Presen	tly abandoned			10	ephone number known	
H. TYPE OF OWNERSHIP  1. FEDERAL 2 STATE		NICIPAL S.	PRIVATE X 6	UNKHOWN		
I. SITE DESCRIPTION	and the second s	·		<del></del>		,
Abandoned Refinery		· · · · · · · · · · · · · · · · · · ·	e en en en en en en en en en en en en en		erar garanti ili dan j	
J. HOW IDENTIFIED (I.e., citizen'e con	piainta, OSHA citationa, etc.	) .		<del></del>	K. DATE IDENT	
EPA		- ي ي مي شو			3/80	ייענ -
L. PRINCIPAL STATE CONTACT		<del></del>	<del></del>		<u> </u>	······································
Jack Ellvinger			• •	<b>1</b>	827-5271 E	• •
	LI PRELIMINARY ASSESSA	SHT (complete	his escrion (set)			
		TENT (Complete	ma ascaum rasi,			
. APPARENT SERIOUSHESS OF PROB	LEH	-	NKHOWN			• ::-
A. APPARENT SERIOUSHESS OF PROB	LEM	ie ∑5. (	UNKNOWN	CTION NEE	DED	
. APPARENT SERIOUSHESS OF PROB  1. HIGH  2. MEDIUM  3. RECOMMENDATION	DLEM	E X5.	ликиоми.	CTION NEE	DED	
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L. APPARENT SERIOUSHESS OF PROB  1. HIGH  2. MEDIUM  2. RECOMMENDATION  1. NO ACTION HEEDED (no hazard  1. NO ACTION HEEDED  2. SITE INSPECTION HEEDED  3. TENTATIVALY SCHEDULED  4. WILL BE PERPORMED BY:  1. NAME  Jack Ellvinger  3. SITE STATUS  1. [ACTIVE (Those Industrial or provided the semicle are being used or waste treatment, storage, or disposal on a continuing basis, syen (If intra-	III. SITE	2. IMME:  2. IMME:  3. TEN  4. SITE I  (505)  INFORMATION  7. (Those sites if no regular or c	DIATE SITE INSPETATIVELY SCHOOL  BE PERFORMED  NSPECTION HEED  PHONE NUMBER  82705271 Ext  (**pecify):  (**pecify):  ontinuing use of the	BY: DED (low pri	arity)  3. DATE (mos, d  5/19/80	age whore
L. APPARENT SERIOUSNESS OF PROB  1. HIGH  2. MEDIUM  2. RECOMMENDATION  1. NO ACTION NEEDED (no hazard  3. SITE INSPECTION NEEDED  3. TENTATIVALY SCHEDULED  4. WILL BE PERPORMED BY:  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  3. SITE STATUS  4. SITE STATUS  5. SITE STATUS  5. SITE STATUS  6. SITE STATUS  7. SITE STATUS  8. SITE STATUS  9. SITE	D. IF APPARENT SERIOUS	2. IMMER 2. IMMER 2. TEN 3. TELE (505) INFORMATION  Those sites if no regular or c	DIATE SITE INSPETATIVELY SCHED  BE PERFORMED  INSPECTION HEED  PHONE NUMBER  82705271 Ext  (**pecify):  Inst include such incontinuing use of the	ED (low pri	ority)  2. DATE (mos, d  5/19/80  "michight dumpir ale-disposal has	age whore
A. APPARENT SERIOUSNESS OF PROB  1. HIGH	DLEM  3. LOW  4. NON  D)  FOR:	2. IMMER 2. IMMER 2. TEN 3. TELE (505) INFORMATION  Those sites if no regular or c	DIATE SITE INSPETATIVELY SCHED  BE PERPORMED  NSPECTION NEED  PHONE NUMBER  82705271 Ext  (*pecify): that include such includes continuing use of the	ED (low pri	ority)  2. DATE (mos, d  5/19/80  "michight dumpir ale-disposal has	age where
A. APPARENT SERIOUSNESS OF PROB  1. HIGH	D. IF APPARENT SERIOUS  LATITUDE (dog_min_o	2. IMMER 2. IMMER 2. TEN 3. TELE (505) INFORMATION  Those sites if no regular or c	DIATE SITE INSPETATIVELY SCHED  BE PERFORMED  INSPECTION HEED  PHONE NUMBER  82705271 Ext  (**pecify):  Inst include such incontinuing use of the	CTION NEED FOR BY: DED (low print) L. 275	anity)  2. DATE (mos, d  5/19/80  "midnight dumpir ale disposal hes  1. S  minsec.)	age where

Continued From From	1/	<i></i>	· · · · · · · · · · · · · · · · · · ·			• • • • • • • • • • • • • • • • • • • •
<u> </u>			IV. CHARACTERIZAT			
Indicate the major s	ite activity(i	es) and d	etails relating to each a	ectivity by marking 'X'	x : 5.	
A. TRANSPO		<u> </u>	B. STORER	C. TREAT	ER X	D. DISPOSER
I. RAIL		I. PILI	<u> </u>	I. FILTRATION	I. LANS	פוני.
2. 3410		2. 504	FACE IMPOUNDMENT	2. INCINERATION	2. LANO	even .
3. BARGE		3. DAU	M 5	J. VOLUME REDUC	TION   5. 07EN	3009 .
4. TRUCK 4.			K. A BOVE GROUND	4. RECYCLING/REC	COVERY A. SURF	THEMCHU09M1 334
S. PIPELINE S. TA			CHUCKS WOJEE.X	J. CHEM./PHYS. TA	EATHENT S. MIDNI	SHT DUMPING
O. OTHER (specify)		0. OTH	ER (apocity):	6. BIOLOSICAL TR	EATMENT S. INCIN	ERATION
ì	1	•		7. WASTE OIL REPR	ROCESSING X 7. UNDE	HOITSEN! ONUORDR
	]			1. SOLVENT RECOV		R (apoclity):
į .		•		9. OTHER (*pecily):		
1.						3
E. SPECIFY DETAILS	05 5175 46	T1\/\ T1 = 8	LE METOTO			
E. SPECIPI UZIAILS	07 311 E AC	11411152	NO MEEDED	A STATE OF THE SECOND		•••••
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		_	e e e			an are derived to a little of
	<del> </del>				•	· · · · · · · · · · · · · · · · · · ·
A. WASTE TYPE	<del></del>	<del></del>	V. WASTE RELAT	ED INFORMATION	•	
	_		***	•		
TI. UNKHOWN	Sz Liguio		3. 50LIQ	LUDGE	GAS	
B. WASTE CHARACTE	RISTICS	<del></del>		<del></del>		<del></del>
<b>1.</b> инкночн	12 CORROS	IVE	3. IGHITABLE T4. R	ADIOACTIVE S	HIGHLY VOLATILE	•
X 6. TOXIC	7. REACTIV	/E 🗀		LAHMABLE		•
						ere varieties and a
10. OTHER (specif	'y):					
C. WASTE CATEGORIE	5	_				Company Compan
	es avaliable?	Specify II	ioms such as meailests, in	rentaries, etc. below.	· · · · · · · · · · · · · · · · · · ·	
Unknown	•			• • • • • • • • • • • • • • • • • • • •	• • • •	•••
2. Estimate the amo	unt(specify	unit of me	eaure)o! waste by cate	gory; mark 'X' to indi-	cate which wastes are	present
SLUDGE	b. 0	IL.	e. SOLVENTS	d. CHEMICALS	e. soulds	I. OTHER
THUCHA			AMOUNT	AMOUNT	AMOUNT	AMOUNT
Unknown		n				
UNIT OF MEASURE UNIT OF MEAS		ASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE .	UNIT OF MEASURE
!					·	1
X' (t) PAINT.	X' (1) OILY		'X' HALOGENATED	'X'	X (I) FLYASH	THE PHARMATONY
PIGMENTS	WAST	E3	SOLVENTS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	""PHARMACEUT.
(2) METALS	X (2) OTHE	R(specily)	12) NON-HALOSHTO	12) PICKLING	121 ASBESTOS	(2) HOSPITAL
SLUDGES	gasoli		SOLVENTS	LIQUORS		12740321126
(3) POTW	other	Marin L	(3) OTHER(*p*cll7):	ISI CAUSTICS	- ISIMILLING	
(3) PO ( 1)	Petrole	ım		13,020	MINE TAILINGS	(3) RADIOACTIVE
(4) A LUMINUM	Products	S	1	(4) PESTICIDES	PERROUS	
SLUDSE		-		(4) - 23 1 1 1 1 2 3	"SMLTG. WASTES	(A) PUNICIPAL
(3) OTHER(>pecil7):		•		ISTOYES/INKS	(S) HON-PERROUS	13) OTHER (specily):
				1370 723714 23	SULTG. WASTES	]
				(6) CYANIDE .	IS) OTHER (specify):	
			'	(TI PHENOLS	}	
· ve.e						
And the second of the second	A ten			(8) HALOGENS		
	•					
				(9) PCB		
			·	1		
-				HOIMETALS		1
				1		
	,: .			LIHOTHER (PP-CIT)		
· 5 * 2 * 4 * 1			·		a supremu su	The state of the state of the state of

WII. PERMIT INFORMATION A. INDICATE ALL APPLICABLE PERMITS MELD BY THE SITE.    I. MPDES PERMIT   2. SPCC PLAM   1. STATE PERMIT(specify):   None	Continued From Front				• • • • • • • • • • • • • • • • • • • •	
I. NPDES PERMIT   2. SPCC PLAN   3. STATE PERMIT (specify): None   4. AIR PERMITS   5. LOCAL PERMIT   6. RCRA TRANSPORTER   7. RCRA STORER   8. RCRA TREATER   9. RCRA DISPOSER   10. OTHER (specify):   3. IN COMPLIANCET   11. YES   2. NO   X 3. UNKNOWN   4. MITH RESPECT TO (first regulation name & number):   VIII. PAST REGULATORY ACTIONS   A. NONE   B. YES (summerize below)   IX. INSPECTION ACTIVITY (rest or on-doind)   1. TYPE OF ACTIVITY   PAST ACTION   PROPERTY (EPA) (Seein)   PROPERTY (EPA) (Seein)   PROPERTY (EPA) (Seein)   PROPERTY (PAST OF ON-doind)   NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   A. NONE   S. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   A. NONE   B. YES (cooplete Items 1, 2, 3, & 4 below)   A. NONE   A. DESCRIPTION (EPA) (See )   A. DESCRIPTION (EPA) (SEE )   A. DESCRIPTION (EPA) (S				HOITANS		
A. AIR PERMITS   S. LOCAL PERMIT   G. RCRA TRANSPORTER     7. RCRA STORER   B. RCRA TREATER   9. RCRA DISPOSER     10. OTHER (specify);   3. IN COMPLIANCE!   1. YES   2. NO   X 3. UNKNOWN     4. WITH RESPECT TO (III) regulation name & number);   VIII. PAST REGULATORY ACTIONS     A. NONE   B. YES (summarize below)     Unknown     IX, INSPECTION ACTIVITY (rest or on-going)     1. TYPE OF ACTIVITY   2. DATE OF PAST ACTION (EPA/Sietr)     None   X. REMEDIAL ACTIVITY (past or on-going)     A. HONE   B. YES (complete items 1, 2, 3, & 4 below)     A. HONE   B. YES (complete items 1, 2, 3, & 4 below)     1. TYPE OF ACTIVITY   2. DATE OF (past or on-going)     A. HONE   B. YES (complete items 1, 2, 3, & 4 below)     1. TYPE OF ACTIVITY   2. DATE OF (past or on-going)     1. TYPE OF ACTIVITY   2. DATE OF (past	A. INDICATE ALL APPLICABLE PE	RMITS HELD BY TH	E SITE.			
A. AIR PERMITS   S. LOCAL PERMIT   G. RCRA TRANSPORTER     7. RCRA STORER   B. RCRA TREATER   9. RCRA DISPOSER     10. OTHER (specify):   3. IN COMPLIANCE!   2. NO   X 3. UNKNOWN     4. MITH RESPECT TO (flot regulation name & number):	TI. NPDES PERMIT TIZ. SPO	C PLAN	3. STATE PERMIT	(specily):	None	
T. RCRA STORER   B. RCRA TREATER   9. RCRA DISPOSER						•
10. OTHER (specify):   3. IN CONPLIANCE!   1. YES   2. NO   X 3. UNKNOWN   4. WITH RESPECT TO (list regulation name & number):   VIII. PAST REGULATORY ACTIONS   A. NONE   B. YES (summarize below)   Unknown   IX, INSPECTION ACTIVITY (cast or on-goins)     A. NONE   B. YES (complete lisms 1, 2, 3, & 4 below)     1. TYPE OF ACTIVITY   PAST ACTION   (EPA/Siets)   A. DESCRIPTION     None   X. REMEDIAL ACTIVITY (past or on-going)     A. NONE   B. YES (complete lisms 1, 2, 3, & 4 below)     A. NONE   B. YES (complete lisms 1, 2, 3, & 4 below)     A. NONE   B. YES (complete lisms 1, 2, 3, & 4 below)     A. NONE   B. YES (complete lisms 1, 2, 3, & 4 below)     A. NONE   B. YES (complete lisms 1, 2, 3, & 4 below)     A. NONE   C. OTTE OF PAST ACTION   PAST ACTION   (EPA/Siete)     A. DESCRIPTION   (EPA/Siete)   A. DESCRIPTION					** *** *** *** *** *** *** *** *** ***	
3. IN COMPLIANCET  1. YES  2. NO  X 3. UNKNOWN  4. WITH RESPECT TO (list regulation name & number):  VIII. PAST REGULATORY ACTIONS  I. NONE  B. YES (summerize below)  IX, INSPECTION ACTIVITY (past or on-going)  1. TYPE OF ACTIVITY  2. DATE OF PAST ACTION (EPASiers)  X. REMEDIAL ACTIVITY (past or on-going)  X. REMEDIAL ACTIVITY (past or on-going)  3. TYPE OF ACTIVITY  2. COATE OF PAST ACTION (mo., day, d. yr.)  1. TYPE OF ACTIVITY  2. COATE OF PAST ACTION (mo., day, d. yr.)  3. PERFORMED  8. YES (complete items 1, 2, 3, d. d. below)  4. DESCRIPTION  4. DESCRIPTION  (EPASiere)  4. DESCRIPTION  (EPASiere)	•					
1. YES				<del></del>	<b>*</b>	
A. NONE B. YES (complete liters 1, 2, 3, & 4 below)  X. REMEDIAL ACTIVITY (past or on-going)  X. REMEDIAL ACTIVITY (past or on-going)  X. REMEDIAL ACTIVITY (past or on-going)  A. NONE B. YES (complete liters 1, 2, 3, & 4 below)  A. NONE S. YES (complete liters 1, 2, 3, & 4 below)  A. DESCRIPTION  X. REMEDIAL ACTIVITY (past or on-going)  A. NONE B. YES (complete liters 1, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 2, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 3, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 3, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 3, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 3, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 3, 2, 3, & 4 below)  A. NONE (B. YES (complete liters 3, 2, 3, & 4 below)  A. DESCRIPTION  (EPA/Siter)  4. DESCRIPTION			la muynama		on and the state of the state o	
VIII. PAST REGULATORY ACTIONS  A. NONE  B. YES (summarize below)  IX, INSPECTION ACTIVITY (post or on-doind)  IX, INSPECTION ACTIVITY (post or on-doind)  A. NONE  B. YES (complete limits 2, 2, 3, & 4 below)  1. TYPE OF ACTIVITY  PAST ACTION (mon, doy, & yr.)  X. REMEDIAL ACTIVITY (post or on-doind)  X. REMEDIAL ACTIVITY (post or on-doind)  A. NONE  B. YES (complete limits 1, 2, 3, & 4 below)  1. TYPE OF ACTIVITY  PAST ACTION (mon, doy, & yr.)  1. TYPE OF ACTIVITY  PAST ACTION (EPA/Stete)  4. DESCRIPTION		·	3. UNKNOWN			
Unknown  IX, INSPECTION ACTIVITY (past or on-doing)  IX, INSPECTION ACTIVITY (past or on-doing)  A. NONE  B. YES (complete liems 1,2,3, & 4 below)  1. TYPE OF ACTIVITY  PAST ACTION (EPA/Stels)  X. REMEDIAL ACTIVITY (past or on-doing)  A. NONE  B. YES (complete liems 1, 2, 3, & 4 below)  1. TYPE OF ACTIVITY  PAST ACTION (EPA/Stels)  3. PERFORMED (EPA/Stels)  4. DESCRIPTION  (EPA/Stels)  4. DESCRIPTION	4. WITH RESPECT TO (IIst regul	alion name & numbs	··):			
IX. INSPECTION ACTIVITY (past or on-going)  A. NONE  B. YES (complete items 1,2,3, & 4 below)  1. TYPE OF ACTIVITY  A. DESCRIPTION  X. REMEDIAL ACTIVITY (past or on-going)  X. REMEDIAL ACTIVITY (past or on-going)  A. NONE  B. YES (complete items 1, 2, 3, & 4 below)  1. TYPE OF ACTIVITY  2. OATE OF PAST ACTION (mo., day, 4 yr.) (EPA/Stete)  4. DESCRIPTION  4. DESCRIPTION  4. DESCRIPTION		VIII.	PAST REGULATO	RY ACTIONS		
IX, INSPECTION ACTIVITY (past or on-going)  A. NONE  B. YES (complete liens 1,2,3, & 4 below)  1. TYPE OF ACTIVITY  PAST ACTION (mo., dey, & yr.)  None  X. REMEDIAL ACTIVITY (past or on-going)  A. NONE  B. YES (complete liens 1, 2, 3, & 4 below)  1. TYPE OF ACTIVITY  2. DATE OF PAST ACTION (mo., dey, & yr.)  2. DATE OF PAST ACTION (mo., dey, & yr.)  (EPA/Stete)  4. DESCRIPTION  4. DESCRIPTION	A. NONE B. YE	S (summerize below	7)		:	
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(mo., doy, & yii) (EPA/State)			<del>,</del>			·
None	1. TYPE OF ACTIVITY			, many	4. DESCRIPTION	
None						
	None					
	•	·	·			
NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.  PAGE 4 OF 4	**		m.		Assessment (Section II)	

Continued From Page 2					
	Con	tine	ed Fr	בק בתכי	6- 2

V. WASTE RELATED INFORMATION	fcontinued	1
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3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending vides of herest).

Unknown

LADDITIONAL COMMENTS OR MARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

It is possible that intentional injection of petroleum products took place while this site was in operation.

		VI. HAZ	ARD DESCRIPTI	НО
A. TYPE OF HAZARD	B. POTEN- TIAL HAZARD (Gaik 'X')	ALLEGED INCIDENT (Seek 'X')	D. DATE OF INCIDENT (ma,day,yr-)	E. REWARKS
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2. HUMAN HEÄLTH				
S RUEOGXSYTRULNI .		*	er e e e	
4. ארטנאן אבאאסשי				
CONTAMINATION OF WATER SUPPLY	x			
CONTAMINATION OF FOOD CHAIN				
7 CONTAMINATION OF GROUND WATER	х		·	
CONTAMINATION OF SURFACE WATER				
PLORA/FAUNA				
G. FISH KILL				
1. CONTAMINATION OF AIR				
Z. NOTICEABLE ODORS				
3. CONTAMINATION OF SOIL				
4. PROPERTY DAMAGE				
5. FIRE OR EXPLOSION		·		
3. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
, SEWER, STORM , DRAIN PROBLEMS				
. EROSION PROSLEMS				
, INADEGUATE SECURITY		•	·	:
). INCOMPATIBLE WASTES				
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9-185—July 1935 Revised

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

## WATER RESOURCES BRANCH

WELL SCHEDUL	Œ	
Date		Field No. Francisco
Record by		Office No/S/
Source of data	box	••••••••••••
	,	•

1. Location: State \_\_\_\_\_\_ County \_\_\_\_\_\_

Cour water wan Baca - #-3 T.13 N. R. TW. No. 234. 010 8'4 1'4" NENW Sec. 17 0

9-185—July 1935 Revised

# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

## WATER RESOURCES BRANCH

WE:	LL SCHEDULE		_
Date	e <u> </u>	, 19	Pield No. Cetate
	ord by	<u> </u>	Office No/52-1-8-5
Sour	rce of data <u>U &amp; S</u>		
1.	Location: State A 1/2.	County	Control of the Control
	Map		
	Owner: 12 1/2 1/2 800. 1	.TT/3	SR W
2.	Owner: Establish General	Address/	Designation in the
•	Tenant.		
	Driller	Address	
3.	To pography	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
4.	Elevationft. above		
	Type: Dug, drilled, driven, bored, je		
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7.	Casing: Diam. L. in., to	in., Type	
	Depthft., Finish		` <u> </u>
8.	Chief Aquifer	Frem	ft. toft
	Others		
9.	Water level 25.62 ft. rept.		19 42 above + h page
	Esselve Lile Free	which is	ft. above surface
10.	Pump: Type Marie	Correcity	G M
•	Power: Kind		
11	Yield: Flow		
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12.	Usc: Dom., Stock, PS., RR., Ind., I		1
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14	Remerks: (Log, Analyses, etc.)		
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T.13 N. E McKinky Co. NENW Sec. 17 Ò 13/ Baca # S Same bibl

DEPARTMENT OF THE INTERIOR 所属記録が続からからないといいからのかは対するものできる GEOLOGICAL SURVEY UNITED STATES 9-185-July 1935 Revised

Office No/32-L-3-

6-23-48 No. Baca H.S.

WATER RESOURCES BRANCH

WELL SCHEDULE

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Date

Record by C.C. H. A.C. D.

Source of data.

<u>-</u>	1. Location: State N. Mex. County MEKin Cit	الدارقية
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10.		G. M.
	Power: Kind	
Ξ.	11. Yield: Flow G.M., Pump G. M., Mean	G. M., Meas., Rept. Est.

Temp.

14. Remarks: (Log, Analyzes, etc.)

Use: Don., Stock, PS., RR., Ind., Irr., Obs. . Llakes S.C. Drawdown ...... ft. after ..... hours pumping ...

Adequacy, permanence

13. Quality .....

Tasto, odor, color .... Unfit for

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# DEP. UNITED STATES

WATER RESOURCES BRANCH	GEOLOGICAL SURVEY	ARTMENT OF THE INTERIOR
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Record by 200

WELL SCHEDULE

Date City & E. 3. 19 8 Field No. Descritz

Office No.

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Remarks: (Log, Analyses, etc.)	Taste, odor, color Sample No Sample	Quality Temp 5.	Use: Dom., Stock, PS., RR., Ind., Irr., Obs.	Yield: Flow G. M., Pump 2. G. M., Moas, Rept. Est.  Drawdown R. after hours pumping G. M.	Pump: Type G. M. Capacity G. M. Horsepower G. M.	Water levelft_ nicas which isft_ balow surface	Chief Aquifer	Casing: Diam. C. in., to	Depth: Rept. C. ft. Meas. ft.	Elevation 6 th above A 6820 0	Priller 15 10 15 Address Po	Owner: LET LE LIST LES D. Address LIE 01. T	Stap State MADE County Makes	Source of data in the 1985

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U & GOVERNMENT PRINTING OFFICE

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DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY

WATER RESOURCES BRANCH

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10' N OF POWER PLUE, 2002 NE OF

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## GEOLOGICAL SURVEY WATER RESOURCES BRANCH

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Record by			Office No./21-1.5-7.7
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10 14	14 sec. 17		SR E
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# GEOLOGICAL SURVEY WATER RESOURCES BRANCH

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	ord by Office No./22-1.2	
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2.	Owner: 111 Address 112	
	Tenant Address	
	Driller Address	
3.	Topography	1
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	which isft. above sur	face
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	Power: Kind .=	
11.	Yield: Flow	
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12.	Usc: Dom., Stock, PS., RR., Ind., Irr., Obs.	
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# PREMITT REFINERY NATER WELL TESTS PRIOR TO CLEAN OUT

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GALS HZO	0	6980.0	<b>१</b> ५०	1764	8	<b>3</b> 5 .	
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GALS WIR. GALS WIR. /Min.Aver. /24 hours	0	12,424.8	69,69	12,096	8, <i>6</i> 40	8,208	
TYPE	Новъе	Peerless Eilift E E.F. 10650 Bg. Type	2-3/4" plungar type 2" rod 1/4" tubing	Peerloss jet pump g" ly"	Poerless Hillft Equaeze Type 2 H.P.	Feerless Hi/Lift Eq. Type 2 H.F. 10508#	
8128	S.	No.	No.	N. C.	. 3	n N	
T.D.	185	<b>ફ</b>	774.	808	33	205	
REMARKS	Well was not on Production, Thought to be dry	Eall is pumping good drinking wir (Larger Pumpi)	Pump set 6425' 10' working bhl Jack 0.8.C. 5- H.P. Motor Cen. 10 H.P. 3 Fh. 220/14 volts.	Well loss gase- line sempage.	Pump is pumping off - Air	Pump @ 140' Well not pumping full capacity. clean out - Put in jet pump	

PEERLESS SQUEEZE TYPE FULT 6 Maximum Capacity
10 to 13 gnl./min.
JET TYPE PULPS v/2" and 14" tubing capacity 25 gal/min in upper stage.

Natco Kefineries, Inc. P. O. BOX 660 **ROSWELL. NEW MEXICO** 

July 6th, 1954

JUL 1 2 1954

Mr. Clyde S. Conover District Engineer - GW · Ground Water Branch U.S.G.S. P. O. Box 443 Albuquerque, New Mexico

RE: Prewitt Refinery Water Wells McKinley County, New Mexico

Dear Mr. Conover:

Enclosed you will find a sketch map showing the water well locations at Prewitt Refinery together with pumping tests in July this year plus three well logs and tests prior to clean out.

I am sorry there has been such a delay in getting this data to you but I was under the impression that it had been sent to you when we first started working on the wells.

It is my opinion that the Shop well and the Santa Fe R. R. wells have penetrated the San Andres limestone and part of the Glorieta sandstone and that the San Andres limestone is definitely present in the Prewitt area. I measured 50 feet of San Andres at several places in Bluewater Canyon to the south and that is about the thickness of the lime at Prewitt. Depth and thickness of beds all fit the relative position of the San Andres at Bluewater Canyon and Prewitt.

We plan to deepen the Shop well through the Glorieta sandstone at this date to increase the water. Moving south will not make depth much shallower. If your organization has any suggestions, we would certainly appreciate hearing of them.

Very truly yours,

MALCO REFINERIES, INC.

Phil D. Helmig

Chief Geologist

/sa

Rica # S/Fast Will

McKinby ( )

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T.13 N. R 1141

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES BRANCH UNITED STATES 9-185-July 1935 Revised

2	, ,	9	Distribute Line
Date.	Date		Office No. 1552 1872
Ž	Source of data		
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ei	2. Owner: William Strange Lie Ad	Address	
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÷	Elevation ft. below		
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1-	7. Casing: Diam. A in, to in, Type		
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ဘ	8. Chicf Aquifer F	From	ft. to ft.
	Others		
æ.	9. Water level ft. mens.	19	abovo below
	1	which is	ft. helow surface
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.... Temp .... 12. Use: Dom., Stock, PS., RR., (Ind.) Irr., Obs. Adequacy, permanence ..... Taste, odor, color ..... Unit for 13. Quality .....

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Drawdown ..... ft. after ...

14. Remarks: (Log, Analynes, etc.) 11.

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12. Use: Donn., Stock, PS., RR., Ind., Irr., Obs. CKEREED. 10. Pump: Type .... I SA E .... Capacity ..... G. M. Bource of data Recard by 194 19 DP Date Care 23 2. Owner: 12 14 12 16 E. + Col Address 12 Fly C. M. M. W. MELL SCHEDULE 8. Chief Aquifer ..... 3. Topography 2 (1) T 9.185-July 1935 7. Casing: Diam. 6 in., to in., Type TARLE 5. Depth: Rept. 200 ! 4. Elevation ...... ft. above 1. Location: States & Marks Yield: Flow ...... Ci. M., Pump ...... G. M., Meas,, Rept. Est. ..... Type: Dug, Willed, driven, burgd, jetted Tuste, odor, color ..... Adequacy, permanence ..... Drawdown ......ft. after ..... Depth \_\_\_\_ ft., Winish \_\_\_\_ Drillion ... The Think of the Power: Kind Charles which in O. Y. It. above surface OBS. DEPARTMENT OF THE INTERIOR Hornepower ..... WATER RESOURCES BRANCH GEOLOGICAL SURVEY UNITED STATES 7861, Mens. A. II ACILLIA from ......ft. to ......ft. Address .. hours pumping ..... Address .... County MICKINZE Sample Yes 19 Je above Do Field No WACA 4 Office No. Do

BACA #5

"-" 13.11.17.113

14. Remarks: (Log, Analyses, etc.) .. Signit

Mrs. WELL

9-185—July 1935 Revised

DEPARTMENT OF THE INTERIOR UNITED STATES

SURVEY .	PDANCE
GEOLOGICAL S	WATER BESONDER BRANCE

Ē -	WELL SCHEDULE
Reco	al by A. C. C. J. C. C. C. C. C. C. C. C. C. C. C. C. C.
Ę	Source of data
-	Location: State
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Ö.	Water level N. d. ft. rept.
٠	which is 62.3
	Pump: Typo Ct. L. Capacity
	Power: Kind
	Yield: Flow G. M., Pump G. M., Mcan., Rept. Est
	Drawdownft. after hours pumping G. M.
12.	Use: Dom., Stock, PS., RR., Jul. Irr., Obs
	Adequacy, permanence
13.	13. Quality
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14. Remarks: (Log, Analyses, etc.) Unfit for ..... Taste, odor, color ...

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段"、6 25 .			200	in)	ન્યુઝ	tu.	· O	fier that
EXZB TYPE FULL & Hardman Capacity 10 to 13 Enl./min. 125 Cal/min in upper stage.		***************************************	8	1764	1500	<i>जु</i> ह्य <b>.</b> 8	0	GALS HZO
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		ST Right R	Sign	25	D)4"	*	SI Reg	SIZE Cad.
		2051	195	200	774"	\$	165*	T.D.
	••	Fump @ 140' Well not pumping full capacity. clean out - Fut in jet pump	Fung is pumping off - Air	Hell loss gnuo- line scepass.	Pump set @425' 10' working bbl Jack 0.6.C. 5- H.P. Motor Can. 10 H.P. 3 Pa. 220/14 volts.	Wall is purping good drinking wir (Larger Pumpi)	Wall was not on Froduction, Thought to be dry	REMRKE