

NM2 - 10

**GENERAL
CORRESPONDENCE
YEAR(S):**

2005-1997



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

April 7, 2005

Mr. Bill Robertson
Giant Industries, Inc.
111 County Rd. 4990
Bloomfield, NM 87413

Dear Mr. Robertson:

By letter dated March 4, 2005, the New Mexico Oil Conservation Division (NMOCD) administratively modified landfarm permits to prohibit the acceptance of "salt-contaminated oilfield wastes." The NMOCD wishes to clarify that prohibition.

Landfarms may not accept the contents of drilling and workover pits if brine of 9.5 lbs. or greater was used in the drilling, or if the well penetrated a salt section. In addition, landfarms may not accept other oilfield wastes that have been contaminated with salts to the extent that the acceptance of such waste will hinder the hydrocarbon biodegradation process for which the landfarm was permitted, or contaminate groundwater.

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin
Environmental Bureau

cc: NMOCD, Aztec



7001 1940 0004 7920 7638

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

March 4, 2005

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Giant Exploration & Production Co.
23733 North Scottsdale Rd.
Scottsdale, AZ 85255

Permit Number: NM-2-0010

Re: Administrative Modification of Landfarm Permits

The Oil Conservation Division (OCD) issued the landfarm permit identified above under OCD Rule 711. As explained in the public notice given prior to the issuance of the permit, the permit was for landfarming to remediate hydrocarbon-contaminated soils. The language of the permit, however, is broader, allowing the facility to accept oilfield contaminated solids which are either exempt from the Federal RCRA Subtitle C (hazardous waste) regulations or are "nonhazardous" by characteristic testing. If this language were interpreted to allow the landfarm to accept oilfield waste contaminated with salts, the salts could compromise the biodegradation capacity of the landfarm. And because salts leach more easily than hydrocarbons, the landfarm may pose a greater threat to groundwater.

According to the terms of the permit identified above, the OCD may change the permit conditions administratively for good cause shown as necessary to protect fresh water, human health and the environment. The OCD has determined that it is necessary to protect fresh water, human health and the environment to modify the permit as follows:

Effective immediately, the NMOCD permitted landfarm identified above is prohibited from accepting oilfield waste contaminated with salts.

If the landfarm identified above wishes to accept oilfield waste contaminated with salts, you will need to file an application to modify the permit pursuant to OCD Rule 711.B(1) and follow the notice requirements of OCD Rule 711.B(2). If you have already filed a complete application for permit modification with this office and complied with the notice requirements, the OCD will process the application promptly.

Landfarms that wish to accept oilfield wastes contaminated with salts while their application for permit modification is pending may apply to the Division Director for an emergency order under OCD Rule 1202. Applications for emergency orders will be considered on a case-by-case basis.

This notice is being sent to all entities operating landfarm facilities in New Mexico permitted pursuant to OCD Rule 711, as shown on the attached list.

If you have any questions, please contact Ed Martin at (505) 476-3492 or emartin@state.nm.us.

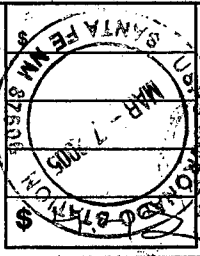
Very truly yours,

Mark E. Fesmire, P.E.

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage
Certified Fee
Return Receipt Fee
(Endorsement Required)
Restricted Delivery Fee
(Endorsement Required)
Total Postage & Fees



Postmark
Here

Sent To
GIANT E. + P.
Street, Apt. No.;
or PO Box No. **23733 N. SCOTTSDALE RD.**
City, State, ZIP+4
SCOTTSDALE, AZ 85255

PS Form 3800, January 2001

See Reverse for Instructions

7001 1940 0004 7920 072 7638

NM-2-010



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

October 7, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Giant Industries, Inc.
23733 North Scottsdale Rd.
Scottsdale, AZ 85255

*NM-2-0010***RECEIVED**

OCT 14 2004

OIL CONSERVATION DIVISION

To Whom It May Concern:

Since the New Mexico Oil Conservation Division (NMOCD) promulgated Rule 50 covering pits and below-grade tanks, there has arisen a need, in certain circumstances, for operators to transport their drill cuttings off-site and dispose of them.

NMOCD Rule 711, as it pertains to landfarms, does not specifically address the issue of exempt oilfield wastes that may be contaminated with salts. Your landfarm application and permit were written with only hydrocarbon-contaminated soils in mind. Salt-contaminated wastes cause the following problems:

1. Lessening the effectiveness of the biodegradation capacity of your landfarm
2. Rapid leachability causing adverse effects on groundwater

If you want to accept salt-contaminated cuttings or any other salt-contaminated wastes, your 711 permit must be modified to ensure that your acceptance of those wastes will not adversely affect public health or the environment.

Please check one of the following:

☐ I have accepted or intend to accept salt-contaminated wastes in my landfarm. An OCD form C-137, applying for a modification to my 711 permit is attached. Included, as an attachment, is a demonstration that the accepted salt-contaminated soils will not adversely affect groundwater in the foreseeable future. (Closure requirements will also require modification to ensure the protection of groundwater. Should your acceptance of salt-contaminated wastes prove detrimental to groundwater, future liability for such damage rests with the landfarm operator).

☒ I do not intend to accept salt-contaminated wastes in my landfarm. Should this condition change, I will submit an OCD Form C-137 for a modification to my 711 permit at that time.

New Mexico Oil Conservation Division

Attn: Ed Martin

1220 S. St. Francis

Santa Fe, NM 87505

This letter must be returned to the above address no later than October 31, 2004. An extension of time may be granted if you contact this office no later than that date.

If you have any questions, contact Ed Martin (505) 476-3492 or emartin@state.nm.us

Signed

Date

10/27/04



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

October 7, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Giant Industries, Inc.
23733 North Scottsdale Rd.
Scottsdale, AZ 85255

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Santa Fe, NM 87505

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If you have any questions, contact Ed Martin (505) 476-3492 or emartin@state.nm.us

Signed

Date

Kieling, Martyne

From: Gary Winn [gwinn@giant.com]
Sent: Tuesday, July 16, 2002 1:41 PM
To: 'dfoust@state.nm.us'
Cc: 'Tim Kinney'; 'mkieling@state.nm.us'
Subject: Land farm waste

Ciniza Pipeline experienced a crude oil spill on the West line April 30, 2002, that resulted in the removal of crude oil contaminated soil and sandstone rocks. Giant Industries, Inc. is requesting a time frame of 55 days from today's date to crush the associated rocks and spread the current media. Therefore, permission for this time frame is respectively requested in order to facilitate the "rock crushing process" needed for spreading the current media at Giant's Mid-Continent land Farm. Giant is currently soliciting contractor bids to accomplish this task.

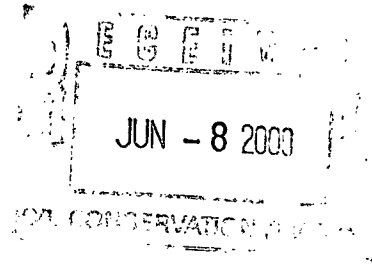
Respectively,

Gary Winn

Safety/Environmental Manager

Giant Industries, Inc.

7/16/2002



May 31, 2000

Ms. Martyne J. Kieling
Environmental Geologist
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Centralized Surface Waste Management Facilities Inspection Report
Giant Mid-Continent
OCD Rule 711 Permit Approval NM-02-0010
NW/4SE/4 of Section 16, Township 25 North, Range 12 West, NMPM,
San Juan County, New Mexico.

Dear Ms. Kieling:

As requested by the letter dated May 26, 2000 Giant Mid-Continent is responding to permit deficiencies listed as #6 and #15 on Attachment 2. A detailed description of how Giant Mid-Continent will correct these two deficiencies is listed below.

6. **Trash and Potentially Hazardous Materials:** All trash and potentially hazardous materials should be properly disposed of.

Landfarm contained some plastic and wire.

Answer:

Every time the landfarm is disked we have instructed the employees to walk the landfarm and clean up any left over plastic and debris that was turned up as the result of the disking.

15. **Regular Facility Inspections:** Cells must be disked a minimum of one time every two weeks (biweekly) to enhance biodegradation of contaminants. Facility inspections and maintenance must be conducted on a biweekly basis and immediately following each consequential rainstorm or windstorm.

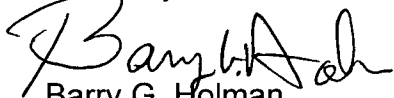
Disking records show that landfarm is disked on average once every three weeks instead of the required two-week interval. Facility inspection records have been maintained at the same frequency as disking.

Answer:

Earlier this year, San Juan County experienced an excessive amount of rain. This rain prevented Giant from disking the soil as required by our permit. As soon as the area dried we disked the soil. Giant Mid-Continent makes every attempt to comply with the requirements of our permit and will continue in the future.

Thank-you for the opportunity to respond to your comments to the recent Landfarm inspection. If you have questions about this or any other matter, please do not hesitate to contact me at (505) 632-4168.

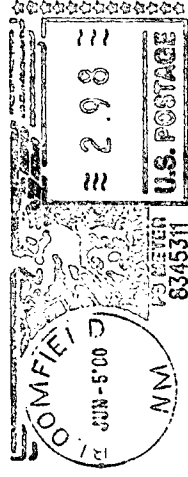
Sincerely,

A handwritten signature in black ink, appearing to read "Barry G. Holman".

Barry G. Holman
Environmental Manager
San Juan Refining Company

cc: Tim Kinney
Dave Pavlich

GIANT
REFINING COMPANY



Ms. Martyne J. Kielling
Environmental Geologist
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

111 COUNTY
ROAD 499
BLOOMFIELD
NEW MEX
87413

Fold at line over top of envelope to
the right of the return address

CERTIFIED

P 216 314 942

MAIL

Mr. Barry ^{Holman}Holman
Giant Industries Arizona, Inc.
P.O. Box 159
Bloomfield, NM 87413



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

January 23, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-326-936-384

Mr. Timothy Kinney
Giant Industries Arizona, Inc.
5764 Highway 64
Farmington, NM 87401

RE: Giant Industries Arizona, Inc. Landfarm Application Review
NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM,
San Juan County, New Mexico.

Dear Mr. Kinney:

The Oil Conservation Division (OCD) has received and is in the process of reviewing the above referenced application for an oil field related centralized solids landfarm located in the NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM, San Juan County, New Mexico. The following comments and requests for additional information are based on review of the application, dated October 8, 1997 and additional information provided.

In order for the review process to continue the OCD requires Giant Industries Arizona, Inc. to submit the additional information requested in Attachment 1. Submission of the above requested information will allow the review process to continue.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kieling
Environmental Geologist

xc with attachments:

xc: Aztec OCD Office
Mr. Martin Nee, Philip Services Corp.

ATTACHMENT 1
REQUEST FOR ADDITIONAL INFORMATION
JANUARY 23, 1998

GIANT INDUSTRIES ARIZONA, INC.

NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM,
San Juan County, New Mexico.

1. Sections one, two, three, four, and five (1,2, 3, 4, & 5) Application Form C-137
 - A. Giant Industries Arizona, Inc. (Giant) has completed sections one, two, three, four, and five (1,2, 3, 4, & 5).
2. Section six (6) Application Form C-137;
 - A. Buffer Zone: No contaminated soils should be placed within one hundred (100) feet of the boundary of the facility unless it can be demonstrated that a smaller buffer zone will not adversely impact the adjacent properties.

Giant shall provide additional information regarding the size of the buffer zone to be installed at the facility.
3. Section seven (7) Application Form C-137;
 - A. Giant has completed section seven (7).
4. Section eight (8) Application Form C-137;
 - A. The applicant shall commit to notify the OCD of any break, spill blow out, or fire or any other circumstance that could constitute a hazard or contamination in accordance with OCD Rule 116.

Giant shall include in their contingency plan a commitment to notify the OCD in accordance with OCD Rule 116.
5. Section nine (9) Application Form C-137;
 - A. Giant shall submit a routine inspection and maintenance plan with additional detailed information on the following:
 - 1) Giant proposed that "Routine inspection and maintenance will be conducted on a monthly basis to the extent that soils above 100 parts per million (PPM), total petroleum hydrocarbons (TPH) remain on-site or

following consequential rainstorms or windstorms"

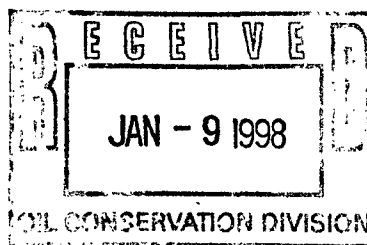
- Giant shall expanded this to "Routine inspection and maintenance will be conducted on a monthly basis to the extent that soils above 100 parts per million (ppm), total petroleum hydrocarbons (TPH), and the sum of all aromatic hydrocarbons (BTEX) is less than 50 ppm, and the benzene is less than 10 ppm remain on-site or following consequential rainstorms or windstorms"
- 2) Treatment Zone Monitoring: Because a landfarm is designed to remediate contaminated soils and not transfer contaminants into the underlying native soil and/or groundwater, the applicant shall submit a plan to detect leaching of contaminants. If the native ground surface has a minimum of three feet of uncemented material (ie. soil) then a treatment zone monitoring program may be incorporated into the facility design to ensure contaminants are not leaching into the native soil/groundwater. The following procedures shall be used to monitor a treatment zone not to exceed three (3) feet beneath the landfarm:
- a. One (1) background soil sample should be taken from the center portion of the landfarm two (2) feet below the native ground surface prior to operation. The sample should be analyzed for total petroleum hydrocarbons (TPH), major cations/anions, volatile aromatic organics (BTEX), and heavy metals using approved EPA methods.
 - b. A treatment zone not to exceed three (3) feet beneath the land farm should be monitored. A minimum of one random soil sample should be taken from each individual cell, with no cell being larger than five (5) acres, six (6) months after the first contaminated soils are received in the cell and then quarterly thereafter. The sample should be taken at two to three (2-3) feet below the native ground surface.
 - c. The soil samples should be analyzed using approved EPA methods for TPH and BTEX quarterly, and for major cations/anions and heavy metals annually.
 - d. After obtaining the soil samples the boreholes should be filled with an impermeable material such as cement.
 - e. Analytical results from the treatment zone monitoring should be submitted to the OCD Santa Fe office for review on a regular

schedule to be proposed by the applicant.

6. Section ten (10) Application Form C-137;
 - A. Giant shall continue to perform quarterly treatment zone monitoring until a laboratory measurement of total petroleum hydrocarbons (TPH) in the last lift of treated soil is less than 100 parts per million (ppm), and the sum of all aromatic hydrocarbons (BTEX) is less than 50 ppm, and the benzene is less than 10 ppm.
7. Section eleven (11) Application Form C-137;
 - A. Giant has completed section eleven (11).
8. Section twelve (12) Application Form C-137
 - A. Giant has provided proof that all notice requirements have been met.
9. Section Thirteen (13) Application Form C-137
 - A. Giant has provided a contingency plan for release of H₂S



Industrial Services Group
Central Region



January 8, 1998

Project 16958

Martyne J. Kieling
Environmental Geologist
New Mexico Energy, Minerals and Natural Resources Dept.
Oil Conservation Division - Environmental Bureau
2040 S. Pacheco Street
Santa Fe, NM 87505

RE: Notification To Land Owners

Dear Ms. Kieling:

Enclosed please find copies of the receipts from registered letters sent to landowners for the notification process to permit Giant's proposed Central Landfarm.

Please don't hesitate to call me at (505) 326-2262 if you have any questions or need additional information.

Sincerely,

PHILIP SERVICES CORPORATION

Martin Nee
Operations Manager
Enclosures: As stated

cc: OCD Aztec Office
Mr. Timothy Kinney

J:\16958\mkregltr

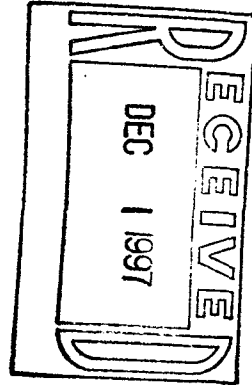
Combining the Strengths of Philip Services Corp., Allwaste and Serv-Tech



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JAN 09 1998

Environmental Bureau
Oil Conservation Division



PSC
PHILIP SERVICES
Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

CERTIFIED

P 124 254 849

MAIL

P 124 254 849

US Postal Service

Receipt for Certified Mail

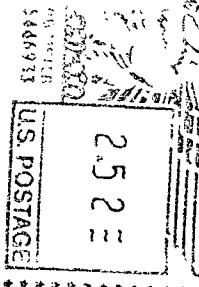
No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Sam George	
Street & Number	
General Delivery	
Post Office, State, & ZIP Code	
Bloomfield Nm 87413	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Sam George
General Delivery
Bloomfield NM 87413

PS Form 3800 April 1995



11-18
11-21

Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

NAME _____
1st Notice _____
2nd Notice _____
Return _____

CERTIFIED

946 579 99E d

MAIL

RETURN RECEIPT

Anthony Dale Roy Jackson
c/o Frank Jackson
817 Nicklaus Dr.
Rio Rancho NM 87124

252
U.S. POSTAGE
PERMIT NO. 4733
NEW YORK, N.Y.
JAN 29 1967

Post 2

US Postal Service
Receipt for Certified Mail

P 386 825 746

No insurance coverage provided.
Do not use for international mail (See reverse)

sent to / Mr. J. H. K. - Ray Jackson
c/o Frank Jackson

8/7 Niclaus Dr

Post Office, State, & ZIP Code
P.O. Box 87124

Postage	\$
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Certified Fee	
---------------	--

Special Delivery Fee	
----------------------	--

Restricted Delivery Fee	
-------------------------	--

Return Receipt Showing to Whom & Date Delivered	
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Return Receipt Showing to Whom,	Date & Addressee's Address
---------------------------------	----------------------------

	TOTAL Postage & Fees	\$
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	Postmark or Date
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PS Form 3800, April 1995



Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

CERTIFIED

P 124 254 848

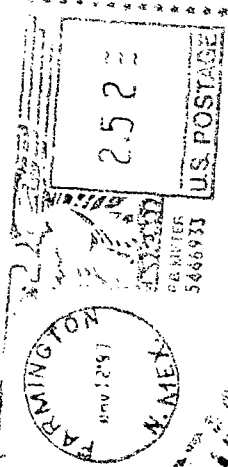
MAIL



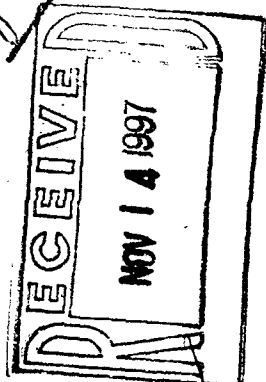
- ☐ Forwarding Order Expired
☒ Insufficient Address
☐ Moved, Left No Address
☐ Unclaimed
☐ Refused
☐ Attempted, Not Known
- ☐ No Such Street
☐ No Such Number
Route No. 57 Date 11-13
Carr. Initials 11-13

Allen Gleason
4715 Gila
Farmington NM 87401

Sp#?



POSTAGE DUE



US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to Allen Gleason	
Street & Number 4715 Gila	
Post Office, State, & ZIP Code Farmington NM 87401	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

P 124 254 848

Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

CERTIFIED

052 5TR 78E 9

MAIL

RETURN RECEIPT REQUESTED

RECEIVED
DEC 4 1997

UNCLAIMED

Dorothy Ann Valdez NOT KNOWN
2435 19th Ave. AUSTIN, TEXAS

San Francisco CA 94116

188

DECEASED
REFUSED
VACANT

RETURNED TO SENDER

Left No. 1

Moved to No. Address
Insufficient Address
No. Address

George J. Phillips

in Valdez not known.
Ave. HIGH RIVER.

COCA 94116

25

252

U.S. POSTAGE

546933
76 241711

APR 12 1953
N. M. L. 1953

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail. (See reverse)

052 578 98E d

PS Form 3800, April 1995

Sent to	
Donny Ann Valdez	
Street & Number	
2435 19th Ave.	
Post Office, State, & ZIP Code	
San Francisco CA 94116	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	



PHILIP SERVICES
CORP.

Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

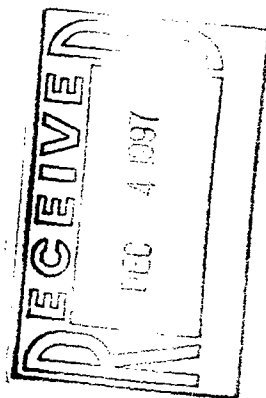
CERTIFIED

P 386 815 629

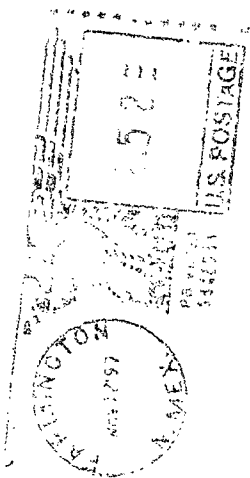
MAIL

RETURN RECEIPT REQUESTED

UNCLAIMED



RECEIVED
Kenneth B. Charley
2435 19th Ave.
San Francisco CA 94116



P 386 815 629

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided

Do not use for International Mail (See reverse)

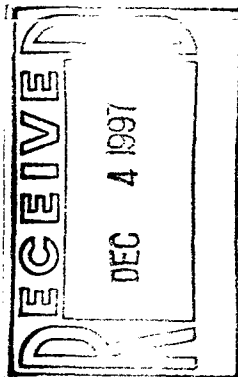
Sent to	
Kenneth B. Charley	
Street & Number	
2435 19th Ave.	
Post Office, State, & ZIP Code	
San Francisco CA 94116	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800 April 1995



PHILIP SERVICES
CORP.

Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401



CERTIFIED

P 386 815 632

MAIL

RETURN RECEIPT REQUESTED

UNCLAIMED

services.
Use of this form so that we can return this article to the back if space does not allow. Please print the article number, name of addressee, and the date delivered.

3. Article Addressed to: Kenneth Chauley, 2435 19th Ave, San Francisco, CA 94116

4. Service Type: Registered ☒ Certified ☐ Insured ☐ Express Mail ☐ Return Receipt for Merchandise ☐ COD

5. Received By: (Print Name) _____

6. Signature: (Addressee or Agent) _____

7. Date of Delivery: _____

8. Addressee's Address (Only if requested and fee is paid): _____

9. Article Number: 12386 815 632

10. I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery
Consult postmaster for fee.

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

Domestic Return Receipt

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to: Kenneth Chauley
Street & Number: 2435 19th Ave.
Post Office, State, & ZIP Code: San Francisco, CA 94116

Postage: \$

Restricted Delivery Fee: \$

Special Delivery Fee: \$

Return Receipt Showing to Whom & Date Delivered: \$

Return Receipt Showing to Whom, Date, & Addressee's Address: \$

TOTAL Postage & Fees: \$

Postmark or Date: _____

PS Form 3800, April 1995

RETURN RECEIPT REQUESTED



Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

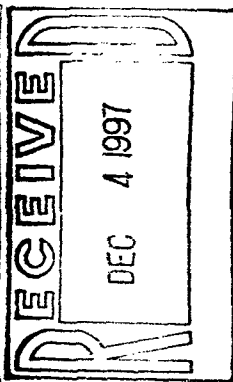
CERTIFIED

P 386 815 749

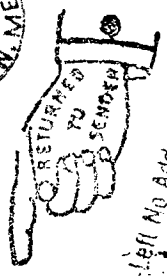
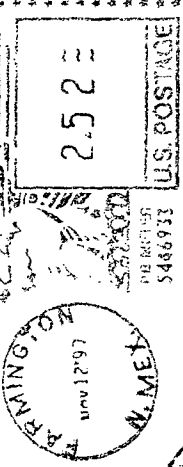
MAIL

RETURN RECEIPT REQUESTED

UNCLAIMED



Moved, Left No Address
Insufficient Address
Moved, Not Forwardable
Forwarding Order Expired
DECEASED
REFUSED
VACANT
Dorothy Anna Chasley
2435 19th Ave.
San Francisco CA 94116
Initials _____



P 386 815 749

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	
Dorothy Anna Chasley	
Street & Number	2435 19th Ave
Post Office, State, & ZIP Code	
San Francisco CA 94116	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom	
Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800 April 1995



PHILIP SERVICES
CORP.

Industrial Services Group
Central Region

4000 Monroe Road
Farmington, NM 87401

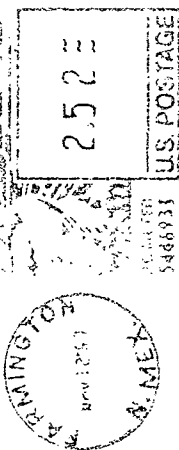
CERTIFIED

P 386 815 747

MAIL

RETURN RECEIPT REQUESTED
REASON CHECKED
Attempted not known
No such number
No mail receipt
Temporary address
Vacation
Refused
Everett Michael Jackson
c/o Frank Jackson
817 Nicklaus Dr.
Rio Rancho NM 87124

NAME _____
1st Notice _____
2nd Notice _____
Refuse _____



Post due 25

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	Everett Michael Jackson
Street Number	817 Nicklaus Dr.
Post Office, State, & ZIP Code	Rio Rancho NM 87124
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995



PHILIP SERVICES
CORP.
Industrial Services Group
Central Region
4000 Monroe Road
Farmington, NM 87401

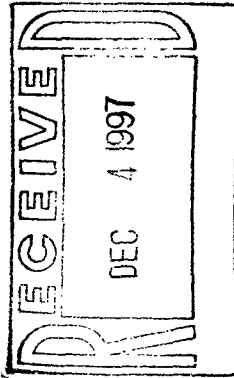
CERTIFIED

P 386 815 748

MAIL

RETURN RECEIPT REQUESTED

UNCLAIMED

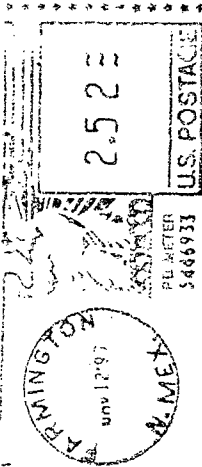


RECEIVED
Dorothy Ann Charley
2435 19th Ave.
San Francisco CA 94116



RETURNED TO SENDER
Moved-Let No Address
Insufficient Address
Moved-Not Forwardable

RECEIVED
RECEIVED
RECEIVED



US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to Dorothy Ann Charley 2435 19th Ave San Francisco CA 94116	
Post Office, State, & ZIP Code San Francisco CA 94116	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

P 386 815 748

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Joan I Ni Pah
Box 2154
Bloomfield NM 87413

4a. Article Number

P386 815 745

4b. Service Type

- ☒ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD

☒ Certified

☐ Insured

☐ COD

7. Date of Delivery

12-18-97

8. Addressee's Address (Only if requested and fee is paid)

Received By: (Print Name)
Catherine A. Largo

Signature: (Addressee or Agent)
-X Catherine A. Largo

Domestic Return Receipt

PS Form 3811, December 1994

Thank you for using Return Receipt Service.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

P 386 815 745

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	Joan I Ni Pah
Street & Number	Box 2154
Post Office, State, & ZIP Code	Bloomfield NM 87401
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom	
Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Melvin George
P.O. Box 1262
Cuba NM 87013

5. Received By: (Print Name)

CHARLIE T. GEORGE

6. Signature: (Addressee or Agent)

Charlie T. George

PS Form 3811, December 1994

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

4a. Article Number

P386 815 743

4b. Service Type

- ☒ Registered
- ☒ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD

7. Date of Delivery

11/18/97

8. Addressee's Address (Only if requested and fee is paid)

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 386 815 743

Receipt for Certified Mail

US Postal Service

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Melvin George
Street & Number	P.O. Box 1262
Post Office, State, & ZIP Code	Cuba NM 87013
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Melissa Begay
c/o Minnie Lou Begay
P.O. Box 981
Kirland NM 87417

4a. Article Number

P386 815 742

4b. Service Type

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD

☒ Certified

☐ Insured

7. Date of Delivery

11/13/97

5. Received By: (Print Name)

Melissa Begay

6. Signature: (Addressee or Agent)

X *Melissa Begay*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

- I also wish to receive the following services (for an extra fee):
- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to: Melissa Begay c/o Minnie Lou Begay P.O. Box 981 Kirland NM 87417	
Post Office, State, & ZIP Code	Kirland NM 87417
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered to	
Return Receipt Showing to Whom	
Date & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Is your **RETURN ADDRESS** completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Evelyn Begay
c/o Minnie Low Begay
P.O. Box 981
Kirtland NM 87417

4a. Article Number

P 386 815 741

4b. Service Type

- ☐ Registered
☐ Express Mail
☐ Return Receipt for Merchandise
☐ COD
☒ Certified
☐ Insured

7. Date of Delivery

11-14-97

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)

P. M. H.

6. Signature: (Addressee or Agent)

X [Signature]

PS Form 3811, December 1994

Domestic Return Receipt

P 386 815 741

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Evelyn Begay
90 Minnie Low Begay

Street & Number
P.O. Box 981

Post Office, State, & ZIP Code
Kirtland NM 87417

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Thank you for using Return Receipt Service.

Is your **RETURN ADDRESS** completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

Inogene Begay
P.O. Box 981
Kirtland NM 87417

4a. Article Number

P386 815 637

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

11/13/97

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)

Melissa Begay

6. Signature (Addressee of Agent)

X *[Signature]*

PS Form 3811, December 1994

Domestic Return Receipt

P 386 815 637

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Inogene Begay	
Street & Number	
P.O. Box 981	
Post Office, State, & ZIP Code	
Kirtland NM 87417	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Bureau of Land Management
1235 La Plata Hwy
Farmington, NM 87401

4a. Article Number

P 124 254 938

4b. Service Type

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD
- ☒ Certified
- ☐ Insured

7. Date of Delivery

4-3-97

5. Received By (Print Name)

George

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 124 254 938

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to
Bureau of Land Management
1235 La Plata Hwy
Farmington, NM 87401
Post Office, State, & ZIP Code

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

Alroy Roger Begay
c/o Minnie Lou Begay
P.O. Box 981
Kirtland NM 87417

4a. Article Number

P 386 815 740

4b. Service Type

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☒ Certified
- ☐ Insured
- ☐ COD

7. Date of Delivery

11/13/97

8. Addressee's Address (Only if requested and fee is paid)

Received By: (Print Name)
Melissa Begay

Signature: (Addressee or Agent)

X

Begay

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 386 815 740

**US Postal Service
Receipt for Certified Mail**

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent by	Alroy Roger Begay
Street	P.O. Box 981
Post Office	Kirtland NM 87417
State & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom	
Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Lorena Begay
P.O. Box 981
Kirtland NM 87417

4a. Article Number

P 386 815 739

4b. Service Type

- ☐ Registered
- ☒ Certified
- ☐ Insured
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

7. Date of Delivery

11/13/97

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

Lorena Begay

6. Signature (Agent)

[Signature]

Thank you for using Return Receipt Service.

PS Form 3800, December 1991

*U.S. GPO: 1992-323-402

DOMESTIC RETURN RECEIPT

Sent to		Lorena Begay		P.O. Box 981		Kirtland NM 87417		Post Office, State, & ZIP Code		Postage		Certified Fee		Special Delivery Fee		Restricted Delivery Fee		Return Receipt Showing to Whom & Date Delivered		Date & Addressee's Address		TOTAL Postage & Fees		Postmark or Date	
										\$												\$			

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

P 386 815 739

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
 - ☐ Restricted Delivery
- Consult postmaster for fee.

Thank you for using Return Receipt Service.

3. Article Addressed to:

BIA Shiprock
Agency
PO Box 9146
Shiprock, NM 87420

4a. Article Number:

1P124254850

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X *[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

Domestic Return Receipt

PS Form 3811, December 1994

Receipt for Certified Mail

US Postal Service
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	BIA Shiprock Agency
Street & Number	PO Box 9146
Post Office, State, & ZIP Code	Shiprock, NM 87420
Postage	\$ 32
Certified Fee	110
Special Delivery Fee	
Restricted Delivery Fee	
Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	110
TOTAL Postage & Fees	\$ 152
Postmark or Date	

PS Form 3800, April 1995

P 124 254 850

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

CL CROWDER INVESTMENT
508 Wellesley SE
Albuquerque, NM 87106

4a. Article Number

P-124254847

4b. Service Type:

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ COD
- ☒ Certified
- ☐ Insured

7. Date of Delivery

11/1/94

5. Received By: (Print Name)

John Crowder

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

Domestic Return Receipt

Sent to		CL CROWDER INV. CO		Street & Number		508 Wellesley SE		Post Office, State, & ZIP Code		Albuquerque, NM		Postage		\$ 3.28		Certified Fee		1.35		Special Delivery Fee		Restricted Delivery Fee		Return Receipt Showing to Whom & Date Delivered		Return Receipt Showing to Whom, Date, & Addressee's Address		TOTAL Postage & Fees		\$ 2.52		Postmark or Date	
---------	--	--------------------	--	-----------------	--	------------------	--	--------------------------------	--	-----------------	--	---------	--	---------	--	---------------	--	------	--	----------------------	--	-------------------------	--	---	--	---	--	----------------------	--	---------	--	------------------	--

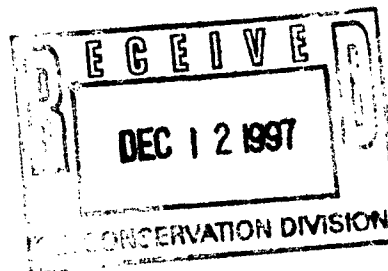
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

P 124 254 847

PS Form 3800, April 1995



Industrial Services Group
Central Region



December 10, 1997

Project 16958

Ms. Martyne J. Kieling
Oil Conservation Division
Environmental Bureau
2040 South Pacheco St.
Santa Fe, NM 87505

RE: AFFIDAVITS OF PUBLICATION

Dear Ms. Kieling:

Please find enclosed the Affidavits of Publication for November 14, 1997 in the Farmington Times and for November 17, 1997 in the Santa Fe New Mexican.

If you have any questions or require additional information please do not hesitate to call Martin Nee at 505 326-2262.

Sincerely,
PHILIP SERVICES CORPORATION

Martin Nee
Operations Manager

CC: Tim Kinney, Giant Industries Arizona, Inc.

J:\16958\affidavi

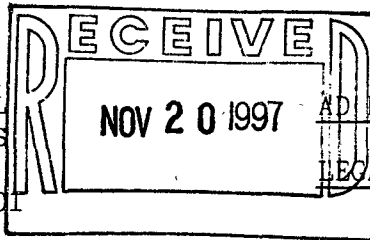
Combining the Strengths of Philip Services Corp., Allwaste and Serv-Tech



The Santa Fe New Mexican

Since 1849. We Read You.

PHILIP ENVIRONMENTAL
ATTN: CARI WILLIAMS
4000 MONROE RD.
FARMINGTON, NM 87401



AD NUMBER: 720268

ACCOUNT: 999901

LEGAL NO: 62645

P.O. #:

198 LINES ONCE at \$ 126.72
Affidavits: 5.25
Tax: 8.25
Total: \$ 140.22

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico, and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 62645 a copy of which is hereto attached was published in said newspaper once each WEEK for ONE consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 17 day of NOVEMBER 1997 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

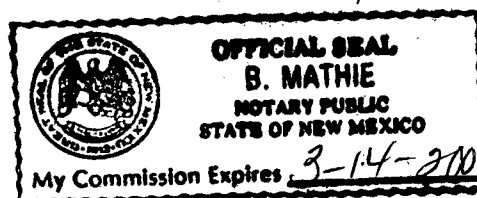
/S/

Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
17 day of NOVEMBER A.D., 1997

Notary B. Mathie

Commission Expires 3-14-2001



AFFIDAVIT OF PUBLICATION

No. 38722

STATE OF NEW MEXICO

County of San Juan:

DENISE H. HENSON being duly sworn says: That she is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Friday, November 14, 1997;

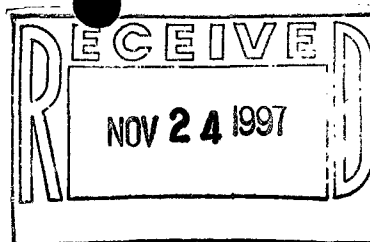
and the cost of publication is: \$84.28.

Denise H. Henson

On 11-14-97 DENISE H. HENSON appeared before me, whom I know personally to be the person who signed the above document.

Deese Nelson

My Commission Expires November 1, 2000



COPY OF PUBLICATION

Legals



NOTICE OF PUBLICATION STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Oil Conservation Division Regulations, the following application has been submitted to the Director of the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

Giant Industries Arizona, Inc., Timothy Kinney, General Manager, 5764 Highway 64, Farmington, New Mexico, 87401, has submitted for approval an application to construct and operate a Rule 711 centralized solids landfarm remediation facility located in the NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM, San Juan County, New Mexico. Hydrocarbon contaminated soils associated with oil and gas production will be remediated by spreading them on the ground surface in 6 inch lifts or less and periodically disking them to enhance biodegradation of contaminants. Ground water most likely to be affected by any accidental discharges at the surface is estimated to be at a depth of 200 feet with a total dissolved solids concentration estimated to be between 56 parts per million and 7,300 parts per million. The facility is underlain by the Nacimiento Formation, the lower part of the Formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones; and the upper part to the Formation as somber beds of mudstone and sandstone. Immediately beneath the Nacimiento Formation, less than 200 feet is the Tertiary Ojo Alamo Sandstone. The permit application addresses the construction, operations, spill/leak prevention and monitoring procedures to be incorporated at the proposed site.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed application, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held the Director will approve or disapprove the application based on the information available. If a public hearing is held, the Director will approve the application based on the information in the application and information presented at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of November, 1997.

SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
/s/William J. LeMay
WILLIAM J. LEMAY, Director

Legal No. 38722 published in The Daily Times, Farmington, New Mexico, on Friday, November 14, 1997.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
WILLIAM J. LEMAY,
Director
Legal #62645
Pub. November 17, 1997

<p>Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following application has been submitted to the Director of the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:</p> <p>Giant Industries Arizona, Inc., Timothy Kinney, General Manager, 5764 Highway 64, Farmington, New Mexico, 87401, has submitted for approval an application to construct and operate a Rule 711 centralized solids landfill remediation facility located in the NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM, San Juan County, New Mexico, Hydrocarbon contaminated soils associated with oil and gas produc-</p>	<p>tion will be remediated by spreading them on the ground surface in 6 inch lifts or less and periodically disk-ing them to enhance biodegradation of contaminants. Ground water most likely to be affected by any accidental discharges at the surface is estimated to be at a depth of 200 feet with a total dissolved solids concentration estimated to be between 56 parts per million and 7,300 parts per million. The facility is underlain by the Nacimiento Formation, the lower part of the Formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones; and the upper part to the Formation as siltstone beds of mudstone and sandstone. Immediately beneath the Nacimiento Formation, less than 200 feet is</p>	<p>the Tertiary Ojo Alamo Sandstone. The permit application addresses the construction, operations, spill-leak prevention and monitoring procedures to be incorporated at the proposed site.</p> <p>Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed application, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to</p>	<p>him and public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines that there is significant public interest.</p> <p>If no hearing is held, the Director will approve or disapprove the application based on the information available. If a public hearing is held, the Director will approve the application based on the information in the application and information presented at the hearing.</p> <p>GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of November 1997.</p>
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NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS
AND NATURAL
RESOURCES
DEPARTMENT
OIL CONSERVATION
DIVISION



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 5, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-326-936-363

Mr. Timothy Kinney
Giant Industries Arizona, Inc.
5764 Highway 64
Farmington, NM 87401

**RE: Public Notice for Giant Industries Arizona, Inc. 711 Facility
NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM,
San Juan County, New Mexico.**

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD), has received the Giant Industries Arizona, Inc. (Giant) application for a 711 waste management facility dated October 8, 1997. The application proposes the construction of a landfarm soil remediation 711 facility. The facility is to be located in NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM, San Juan County, New Mexico.

Based on the information provided with the application Form C-137 and additional information on file, the OCD has prepared a public notice statement that Giant shall published in the Farmington Daily Times and in the Santa Fe New Mexican newspapers. Giant must send the original certified affidavit of publication from both the Farmington Times and the Santa Fe New Mexican to the OCD Santa Fe office and a copy to the appropriate District office.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kielling
Environmental Geologists

Attachments

xc: Aztec OCD Office
Mr. Martin Nee, Philip Services Corp.

**NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

Notice is hereby given that pursuant to the New Mexico Oil Conservation Division Regulations, the following application has been submitted to the Director of the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

Giant Industries Arizona, Inc., Timothy Kinney, General Manager, 5764 Highway 64, Farmington, New Mexico, 87401, has submitted for approval an application to construct and operate a Rule 711 centralized solids landfarm remediation facility located in the NW/4, SE/4 of Section 16, Township 25 North, Range 12 West, NMPM, San Juan County, New Mexico. Hydrocarbon contaminated soils associated with oil and gas production will be remediated by spreading them on the ground surface in 6 inch lifts or less and periodically disking them to enhance biodegradation of contaminants. Ground water most likely to be affected by any accidental discharges at the surface is estimated to be at a depth of 200 feet with a total dissolved solids concentration estimated to be between 56 parts per million and 7,300 parts per million. The facility is underlain by the Nacimiento Formation, the lower part of the Formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones; and the upper part to the Formation as somber beds of mudstone and sandstone. Immediately beneath the Nacimiento Formation, less than 200 feet is the Tertiary Ojo Alamo Sandstone. The permit application addresses the construction, operations, spill/leak prevention and monitoring procedures to be incorporated at the proposed site.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed application, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the application based on the information available. If a public hearing is held, the Director will approve the application based on the information in the application and information presented at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of November, 1997.

SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY, Director



Industrial Services Group
Central Region

RECEIVED

NOV 04 1997

Environmental Bureau
Oil Conservation Division

November 3, 1997

Martyne J. Kieling
Environmental Geologist
New Mexico Energy, Minerals and Natural Resources Dept.
Oil Conservation Division - Environmental Bureau
2040 S. Pacheco Street
Santa Fe, NM 87505

**RE: Giant Industries Arizona, Inc.
Bonding Forms for a Surface Waste Management Facility
and Application Form C-137**

Dear Ms. Kieling:

Enclosed please find one original and one copy of the completed application for a waste management facility (form C-137). As you requested, a copy is also being sent to the Aztec District office.

Please don't hesitate to call me at (505) 326-2262 if you have any questions or need additional information.

Sincerely,

PHILIP SERVICES CORPORATION

Martin Nee
Operations Manager
Enclosures: As stated

xc: OCD Aztec Office
Mr. Timothy Kinney

J:\GIANTWMF.DOC

Combining the Strengths of Philip Services Corp., Allwaste and Serv-Tech





NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

October 31, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-326-936-359

Mr. Martin Nee
Philip Services Corporation
4000 Monroe Road
Farmington, NM 87401

**RE: Giant Industries Arizona, Inc.
Bonding Forms for a Surface Waste Management Facility
and Application Form C-137**

Dear Mr. Nee:

Regarding our phone conversation on October 30, 1997, I am inclosing the application for a waste management facility (form C-137), and the three types of bond forms. A fourth type of bond that can be applied for is a bank letter of credit. Please fill out the form C-137 and send the original and one copy to the OCD Santa Fe office and a copy to the Aztec District office.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kielling
Environmental Geologist
Attachments

xc without attachments:
OCD Aztec Office
Mr. Timothy Kinney



Industrial Services Group
Central Region

RECEIVED

OCT 9 1997

Environmental Bureau
Oil Conservation Division

October 8, 1997

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

RE: Submittal of Land Farm Application for Giant Industries Arizona, Inc.

Dear Mr. Anderson:

On behalf of Giant Industries Arizona, Inc. (Giant), Philip Services Corporation (Philip) is pleased to present the enclosed application for a waste management facility (Land Farm) for your review and approval. Giant proposes to operate this central facility to landfarm non-hazardous oilfield waste produced by their San Juan Basin operations.

Please contact Martin Nee with Philip at (505) 326-2262 or Sharon Kennedy with Giant at (505) 632-4003 if you have any questions or require additional information.

Sincerely,

PHILIP SERVICES CORPORATION

Martin Nee
Operations Manager, Farmington, New Mexico

CC w/enclosures
Mr. Denny Foust, OCD Aztec District Office
Ms. Sharon Kennedy, Giant, Farmington

J:\16958\ocdltr.doc

Combining the Strengths of Philip Services Corp., Allwaste and Serv-Tech



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OCT 9 1997

Environmental Bureau
Oil Conservation Division

APPLICATION

for

WASTE MANAGEMENT FACILITY

T25N, R12W, Sec. 16

***Giant Industries Arizona, Inc.
5764 Highway 64
Farmington, New Mexico 87401***

October 8, 1997



4000 Monroe Road
Farmington, New Mexico 87401
(800) 326-2262

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-1731

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED

NOV 04 1997

Environmental Bureau
Oil Conservation Division

Form C-137
Originated 8/8/95
Revised 6/25/97

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to appropriate
District Office

APPLICATION FOR WASTE MANAGEMENT FACILITY

(Refer to the OCD Guidelines for assistance in completing the application)

☐ Commercial

☒ Centralized

1. Type: ☐ Evaporation ☐ Injection ☐ Other _____
☒ Solids/Landfarm ☐ Treating Plant

2. Operator: Giant Industries Arizona, Inc.

Address: 5764 Hwy. 64, Farmington, NM 87401

Contact Person: Timothy Kinney

Phone: 505/632-4001

3. Location: NW 1/4 SE 1/4 Section 16 Township 25N Range 12W
Submit large scale topographic map showing exact location

4. Is this a modification of an existing facility? ☐ Yes ☒ No

5. Attach the name and address of the landowner of the facility site and landowners of record within one mile of the site.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
6. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
7. Attach designs prepared in accordance with Division guidelines for the construction/installation of the following: pits or ponds, leak-detection systems, aerations systems, enhanced evaporation (spray) systems, waste treating systems, security systems, and landfarm facilities.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
8. Attach a contingency plan for reporting and clean-up for spills or releases.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
9. Attach a routine inspection and maintenance plan to ensure permit compliance.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
10. Attach a closure plan.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
11. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact groundwater. Depth to and quality of ground water must be included.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
12. Attach proof that the notice requirements of OCD Rule 711 have been met.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
13. Attach a contingency plan in the event of a release of H₂S.
See "Application for Waste Management Facility T25N, R12W, Sec. 16" dated October 8, 1997
14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations and orders.
NONE ATTACHED

15. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Timothy Kinney

Title: General Manager

Signature: Timothy Kinney

Date: 11/3/97

APPLICATION

for

WASTE MANAGEMENT FACILITY

T25N, R12W, Sec. 16

***Giant Industries Arizona, Inc.
5764 Highway 64
Farmington, New Mexico 87401***

October 8, 1997



4000 Monroe Road
Farmington, New Mexico 87401
(800) 326-2262

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- FIGURE 1A - GIANT LAND FARM, 15 ACRE FENCED PORTION
- FIGURE 1B – LAND FARM LOCATION
- FIGURE 1C - BERM DETAILS

LIST OF APPENDICES

- APPENDIX A: LANDOWNERS WITHIN ONE MILE
- APPENDIX B: FACILITY CONSTRUCTION/OPERATION & WASTE CLASSIFICATION
- APPENDIX C: STATE ENGINEER'S WELL RECORDS

APPLICATION FOR WASTE MANAGEMENT FACILITY☐ Commercial☒ Centralized

1. Type: ☐ Evaporation ☐ Injection ☐ Other
☒ Solids/Landfarm ☐ Treating Plant

This facility will be used for the landfarming of hydrocarbon impacted soil produced by Giant Industries Arizona's San Juan Basin Operations.

2. Operator: Giant Industries Arizona, Inc.
Address: 5764 Highway 64, Farmington, New Mexico 87401
Contact Person: Timothy Kinney Phone: 505-632-4001

3. Location: NW 1/4, SE 1/4, Section 16, Township 25 North, Range 12 West.

A large scale topographic map showing the exact location of the facility is included as attachment A.

4. Is this a modification of an existing facility? ☐ Yes ☒ No

5. Attach the name and address of the landowner of the facility site and landowners of record within one mile of the site.

Giant Industries Arizona Inc. owns all 640 acres of Section 16. The 40-acre land farm is located in the center of the Section. Giant's address is as follows:

**Giant Industries Arizona, Inc.
5764 Highway 64
Farmington, New Mexico 87401**

The following are the owners of record of the sections of land adjacent to Section 16 according to the San Juan County Assessor. The landowner names and addresses are included in Appendix A.

- Section 8: Indian Allotments
- Section 9: Indian Allotments

- Section 10: Federal
- Section 15: Federal
- Section 17: Private
- Section 20: Trust for Navajo Indians (*BIA*)
- Section 21: Federal
- Section 22: Federal

6. Attach description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

The proposed 40 acre facility is located in the center of section 16 owned by Giant. Of the 40 acres included herein, 15 acres will be fenced and active. The facility will be used for landfarming hydrocarbon impacted soil from releases associated with Giant's San Juan Basin Operations. The facility will not receive liquid wastes, therefore pits or tanks are not proposed at this time. The entire facility will be bermed to prevent precipitation run-off and run-on. In addition, the entire facility will be fenced with three-strand barbed wire to prevent the ingress of livestock. There will be two access gates as shown on Figure 1a.

7. Attach designs prepared in accordance with Division guidelines for the construction/installation of the following: pits or ponds, leak-detection systems, aeration systems, enhanced evaporation (spray) systems, waste treating systems, security systems, and land farm facilities.

See Figures 1a, b, and c. In addition, the facility will be constructed and operated in accordance with the New Mexico Oil Conservation Division's (NMOCD) "Guidelines for Permit Application, Design and Operation of Centralized & Commercial Land Farms," Section VII Facility Construction/Operation & Waste Classification, as appropriate, Appendix B.

8. Attach a contingency plan for reporting and clean-up for spills or releases.

Because liquids will not be brought to the facility, Giant does not anticipate spills or releases. It is possible that a catastrophic precipitation event (500 yr. frequency or greater) could cause a release. If such an event occurs, Giant will within 24 hours from discovery, initiate an oral report and initiate assessment of the impact to the environment.

9. Attach a routine inspection and maintenance plan to ensure permit compliance.

Routine inspection and maintenance will be conducted on a monthly basis to the extent that soils above 100 parts per million (PPM), total petroleum hydrocarbons (TPH) remain on-site or following consequential rainstorms or windstorms. Routine maintenance and inspection will consist of inspection of the integrity of the berms, fences and gates. In the event that damage or degradation of the facility is evident, the facility manager will be notified and arrangements will be made to repair or replace damaged structures.

Quarterly Sampled For?
Routine inspection and maintenance will include annual sampling of the soils beneath the land farm to ensure that contaminant migration has not occurred.

Quarterly
A letter report will be submitted to the NMOCD annually. The letter report will transmit analytical results, NMOCD forms and a summary of the previous year's operations.

10. Attach a closure plan.

To close the facility, Giant will notify the NMOCD of the anticipated closure date, cease acceptance of materials and complete the following within one year of closure:

- Collect representative soil samples of materials that have been landfarmed to verify TPH concentrations are less than 100 PPM
- Collect final representative samples of the natural soil beneath the land farm to demonstrate lack of impact
- Remove all fencing and structures
- Grade the location to approximate pre-land farm conditions
- Complete reseeding with natural grasses
- Submit final closure report to the NMOCD for approval of closure

Estimated costs for closure are as follows:

Remove Fencing and Building	\$ 2,500
Grade and Reseed Location	\$ 5,500
Soil Sampling and Analysis	\$ 1,200
Closure Report	\$ 850

11. Attach geological / hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact groundwater. Depth to and quality of ground water must be included.

Hydrologic Features

- A. A tributary arm to the ephemeral West Fork of the Gallegos Canyon is located approximately 2,000 horizontal feet to the northeast of the proposed facility. The land farm location is approximately 160 vertical feet above the flowline of the West Fork of Gallegos Canyon. No other watercourses or groundwater discharge sites have been found within one mile of the facility.
- B. Based on Stone et al. in "Hydrogeology and Water Resources of San Juan Basin, New Mexico" (1983); the aquifer most likely to be impacted by vertical migration of hydrocarbons is contained within the Ojo Alamo Sandstone. Comparing the elevation of the potentiometric surface (Stone et al., Figure 28, sheet 5) to the site elevation as indicated on the United States Geological Survey Quadrangle Carson Trading Post, New Mexico, the depth to groundwater is estimated at approximately 200 feet beneath land surface.

According to Thorn et al. in "Hydrogeology of the Ojo Alamo Sandstone in the San Juan Structural Basin, New Mexico, Colorado, Arizona, and Utah" (1990), of water sample analyses from 32 locations, the high total dissolved solids (TDS) concentration was 7,300 milligrams per liter (mg/L); the low was 56 mg/L, with a median value of 640 mg/L.

- C. Based on Stone, et al. (Figure 28, sheet 5), groundwater in the Ojo Alamo flows to the north in the vicinity of the proposed site.
- D. At this time no wells exist within one mile of the facility and no chemical analysis is available. New Mexico State Engineers Office records were searched and two well permits were on record in T25N, R12W Sections 1 and 13. Copies of these records are included in Appendix C.

Geologic Description of the Land farm Site

- A. According to "Soil Survey of San Juan County New Mexico, Eastern Part", United States Soil Conservation Service, the surficial soils at the site are identified as the Shiprock-Sheppard-Doak soils; deep, nearly level to moderately steep, well drained to somewhat excessively drained soils that formed in alluvial and eolian material on uplands.

Stone, et al.'s hydrogeologic map indicates the Tertiary Nacimiento Formation immediately beneath the soil throughout section 16 where the land farm is to be located. Stone, et al. describe the lower part of the Nacimiento formation as being characterized by interbedded black, carbonaceous mudstones and white, coarse-grained sandstones; and the upper part of the Formation as somber beds of mudstone and sandstone. Immediately beneath the Nacimiento Formation, less than 200 feet, is the Tertiary Ojo Alamo Sandstone. Stone et al. describe the Ojo Alamo sandstone as a sequence of sandstone, conglomeratic sandstone and shale.

- B. The Ojo Alamo is the first aquifer located beneath the site. The top of the Ojo Alamo may be less than 200 feet beneath ground surface at the facility. According to Stone, et al., the Ojo Alamo ranges in thickness from 72 to 313 feet.

12. Attach proof that the notice requirements of NMOCD Rule 711 have been met.

Once the receipts from the certified mailings have been received they will be forwarded to the NMOCD

13. Attach a contingency plan in the event of a release of H₂S.

Because no liquids will be stored at the facility, Giant does not anticipate the release of hydrogen sulfide (H₂S). There are no enclosures that would serve to collect and concentrate H₂S produced from materials being landfarmed. During unloading and landfarming operations, a H₂S alarm will be used to ensure personnel protection. A site health and safety plan will be prepared in compliance with Occupational Health and Safety Act (OSHA) to protect site workers.

14. Attach such other information as necessary to demonstrate compliance with any other NMOCD rules, regulations and orders. *NONE ATTACHED.*

15. CERTIFICATION: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name:

Tim Kurney

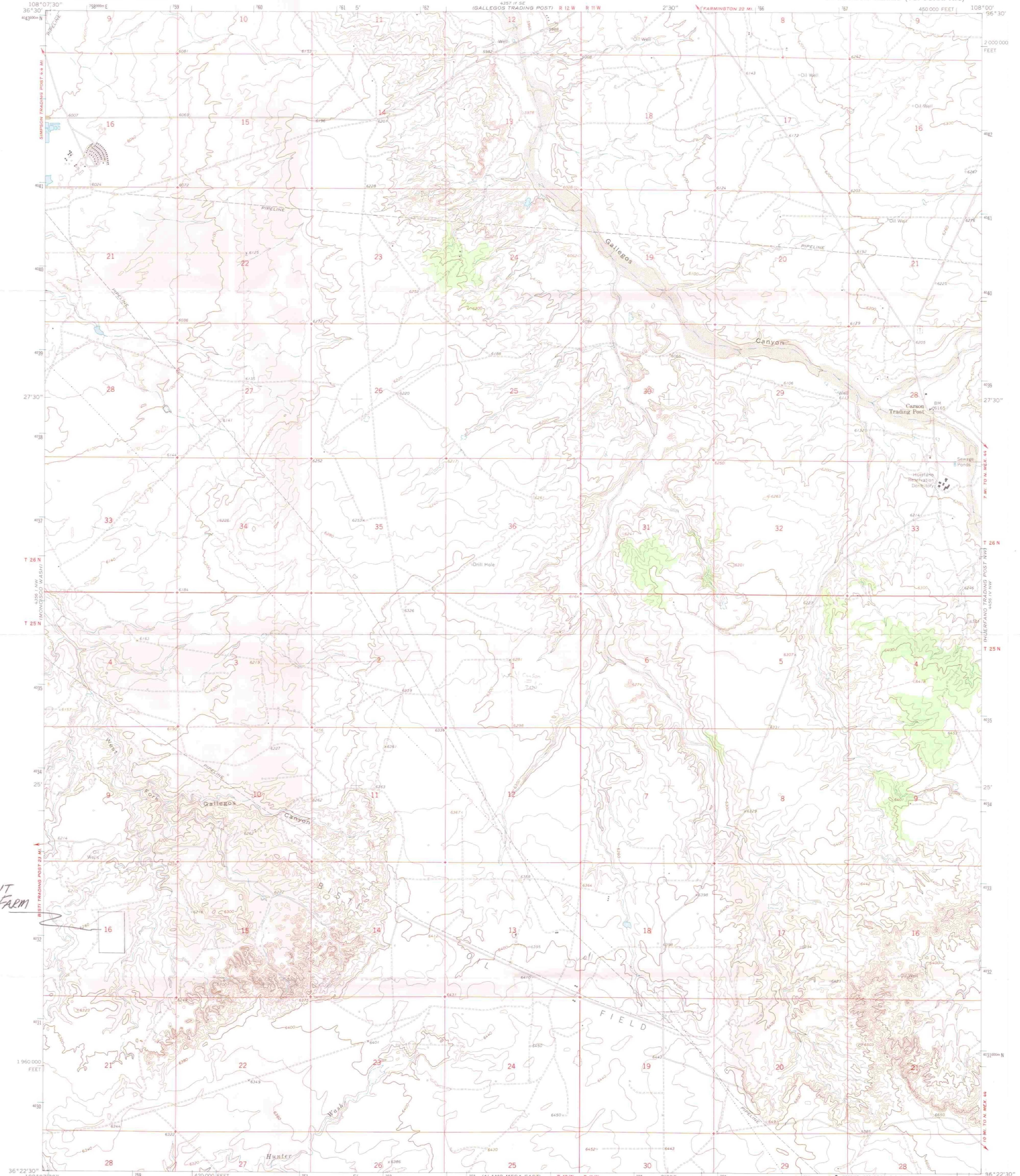
Title:

General Manager

Date:

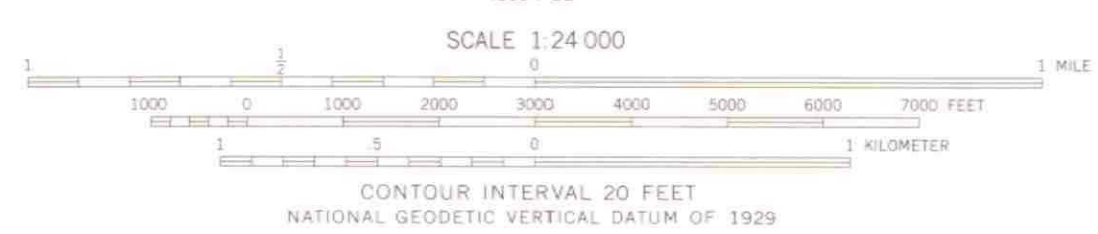
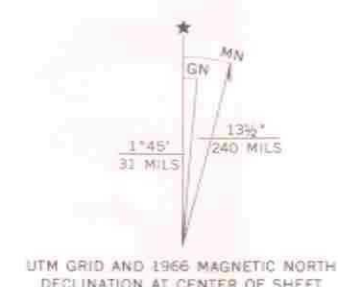
October 8, 1997

ATTACHMENT A: LARGE SCALE TOPOGRAPHIC MAP



GIANT
LAND FARM

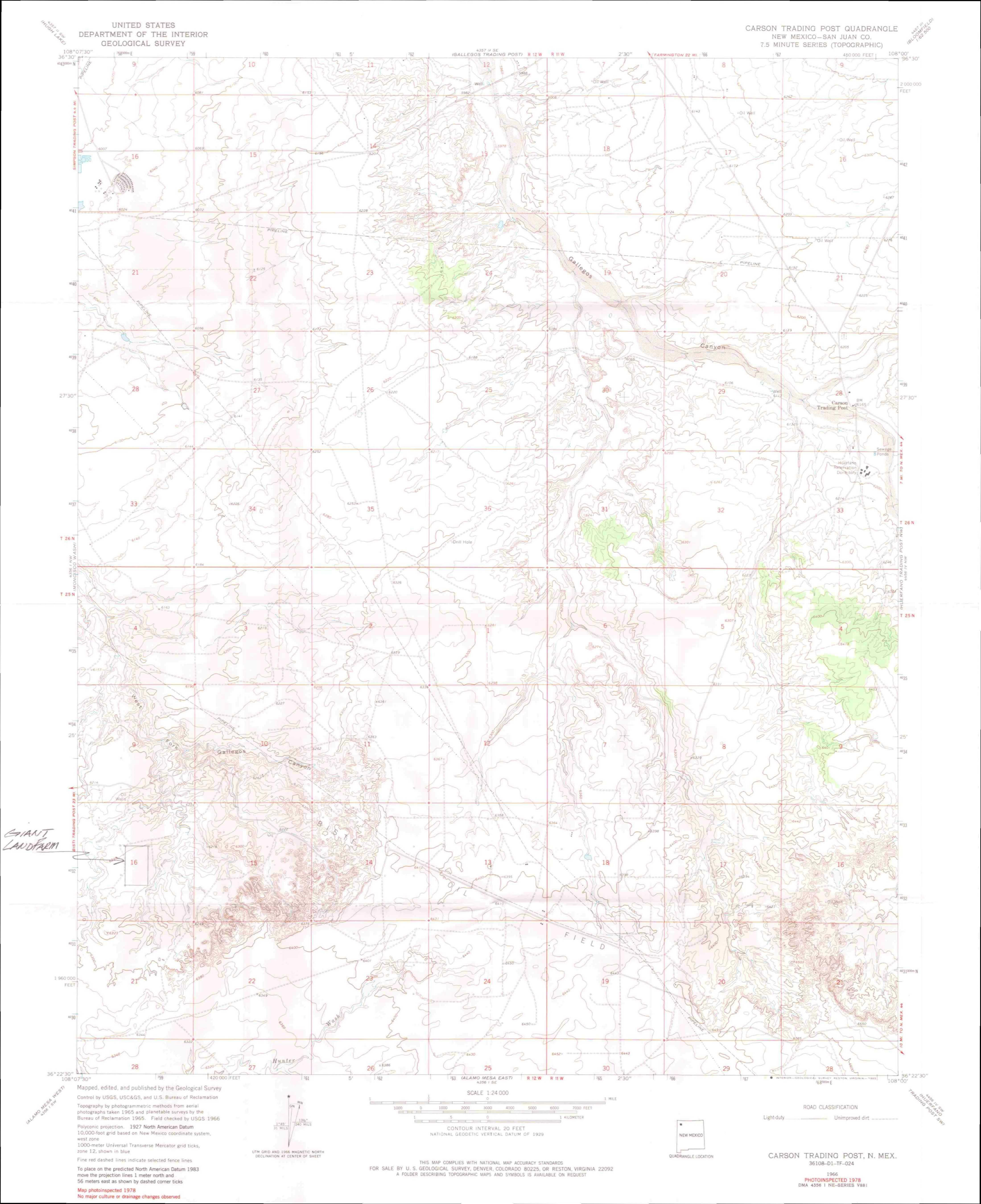
Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and U.S. Bureau of Reclamation
Topography by photogrammetric methods from aerial
photographs taken 1965 and planimetric surveys by the
Bureau of Reclamation 1965. Field checked by USGS 1966
Polyconic projection. 1927 North American Datum
10,000-foot grid based on New Mexico coordinate system,
west zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Fine red dashed lines indicate selected fence lines
To place on the predicted North American Datum 1983
move the projection lines 1 meter north and
56 meters east as shown by dashed corner ticks
Map photoinspected 1978
No major culture or drainage changes observed



CARSON TRADING POST, N. MEX.
36108-D1-TF-024

1966
PHOTOINSPECTED 1978
DMA 4356 1 NE-SERIES V881

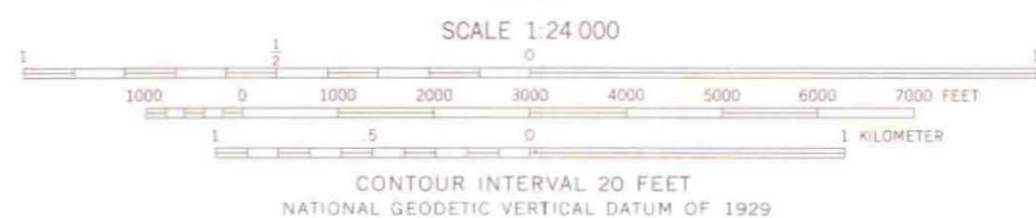
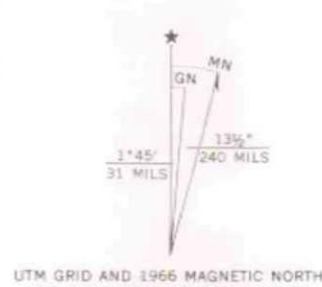
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



GIANT
LANDFARM

ALAMO MESA WEST
4356 7 SW

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and U.S. Bureau of Reclamation
Topography by photogrammetric methods from aerial
photographs taken 1965 and planimetric surveys by the
Bureau of Reclamation 1965. Field checked by USGS 1966
Polyconic projection. 1927 North American Datum
10,000-foot grid based on New Mexico coordinate system,
west zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Fine red dashed lines indicate selected fence lines
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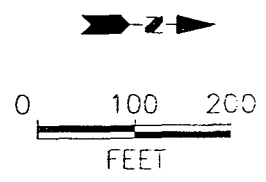
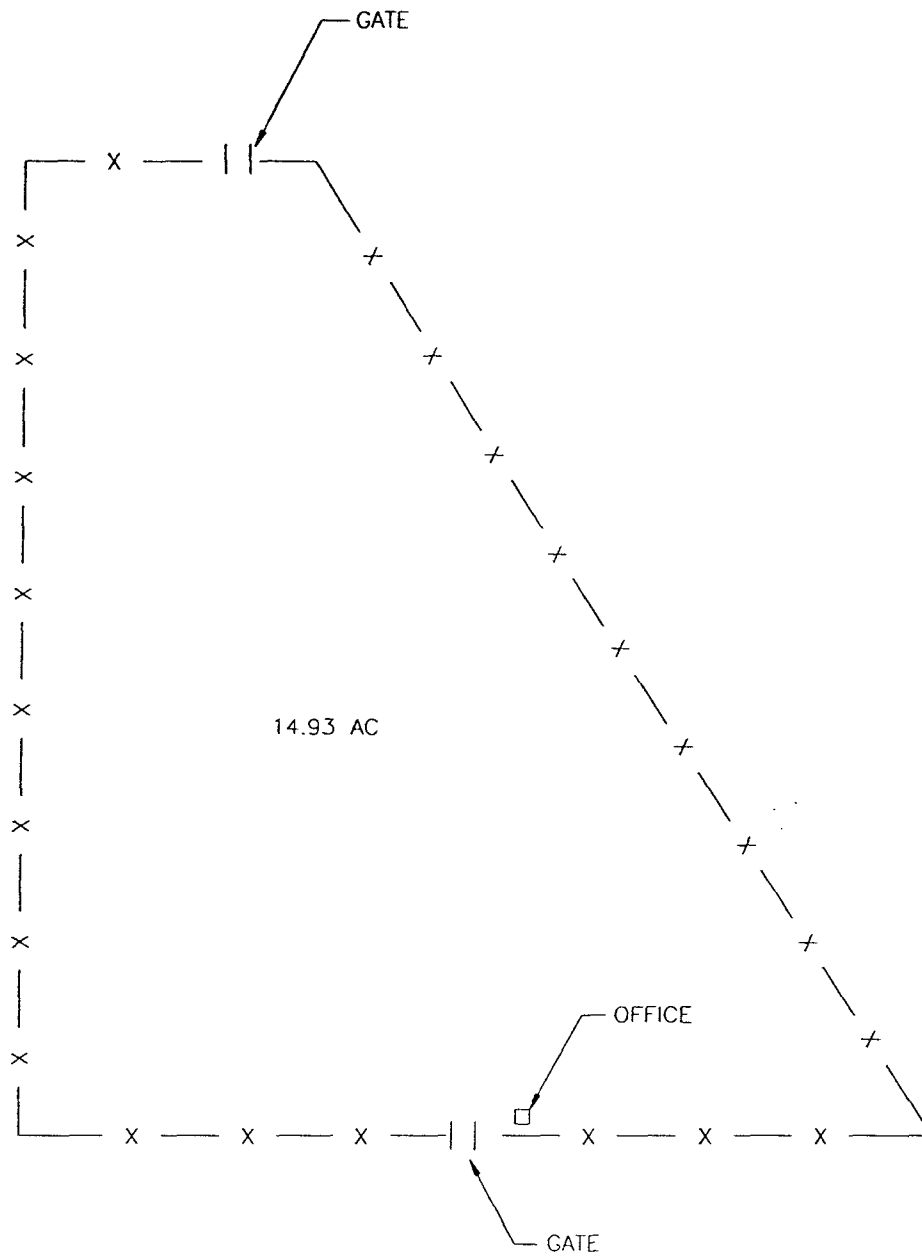
ROAD CLASSIFICATION
Light-duty ————— Unimproved dirt

CARSON TRADING POST, N. MEX.
36108-01-TF-024

1966
PHOTOINSPECTED 1978
DMA 4356 1 NE-SERIES V881

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

FIGURE 1A: GIANT LAND FARM



COL 1695AB-001



TITLE:
T25N, R12W SECTION 16
GIANT LAND FARM
15 ACRE FENCED PORTION

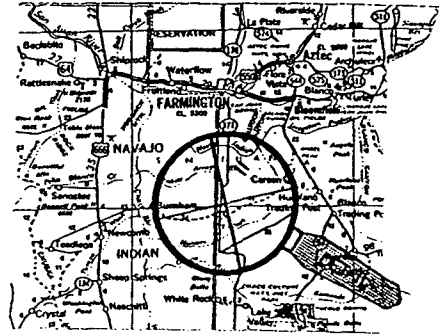
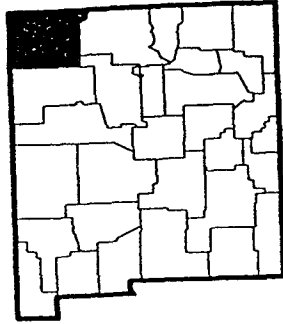
DWN:	DES.:
CDJ	MN
CHKD:	APPD:
MN	
DATE:	REV.:
9/30/97	A

PROJECT NO.: 1695E
GIANT LAND FARM
CARSON TRADING POST
FIGURE 1A

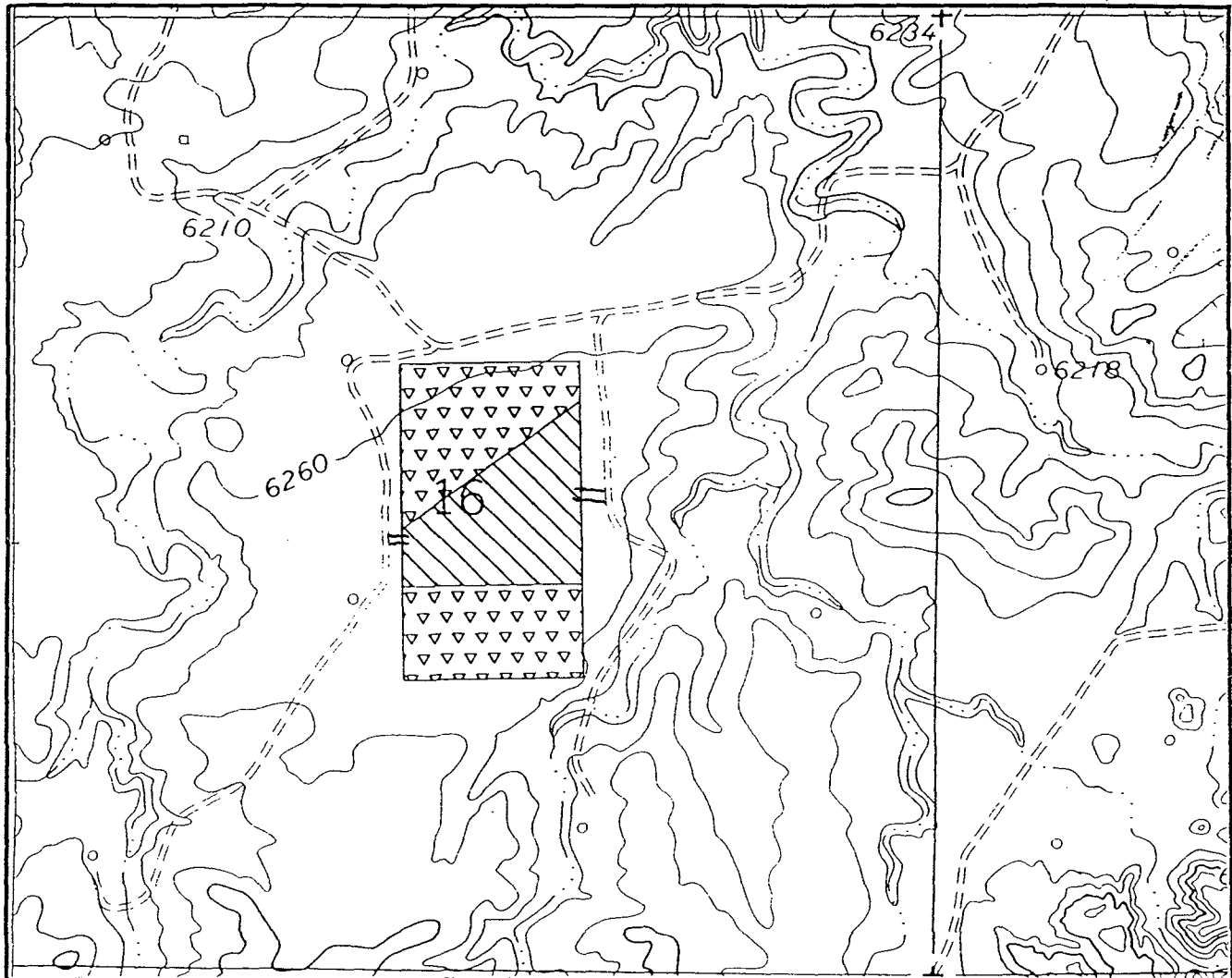
FIGURE 1B: PROPOSED LAND FARM LOCATION

NEW MEXICO

SAN JUAN COUNTY

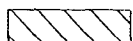


AREA OF DETAIL

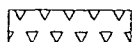


Modified from U.S. Geological Survey. Carson Trading Post. New Mexico. quadrangle. Photorevised 1978.

LEGEND



15 ACRES FENCED, ACTIVE



25 ACRES NOT FENCED, NOT ACTIVE

SCALE IS VARIABLE



COL 16958C-001



TITLE:

SITE LOCATION MAP
LAND FARM LOCATION

DWN:

TMM

DES.:

MN

PROJECT NO.:

16958

CHKD:

MN

APPD:

MN

CARSON TRADING POST
NEW MEXICO

DATE:

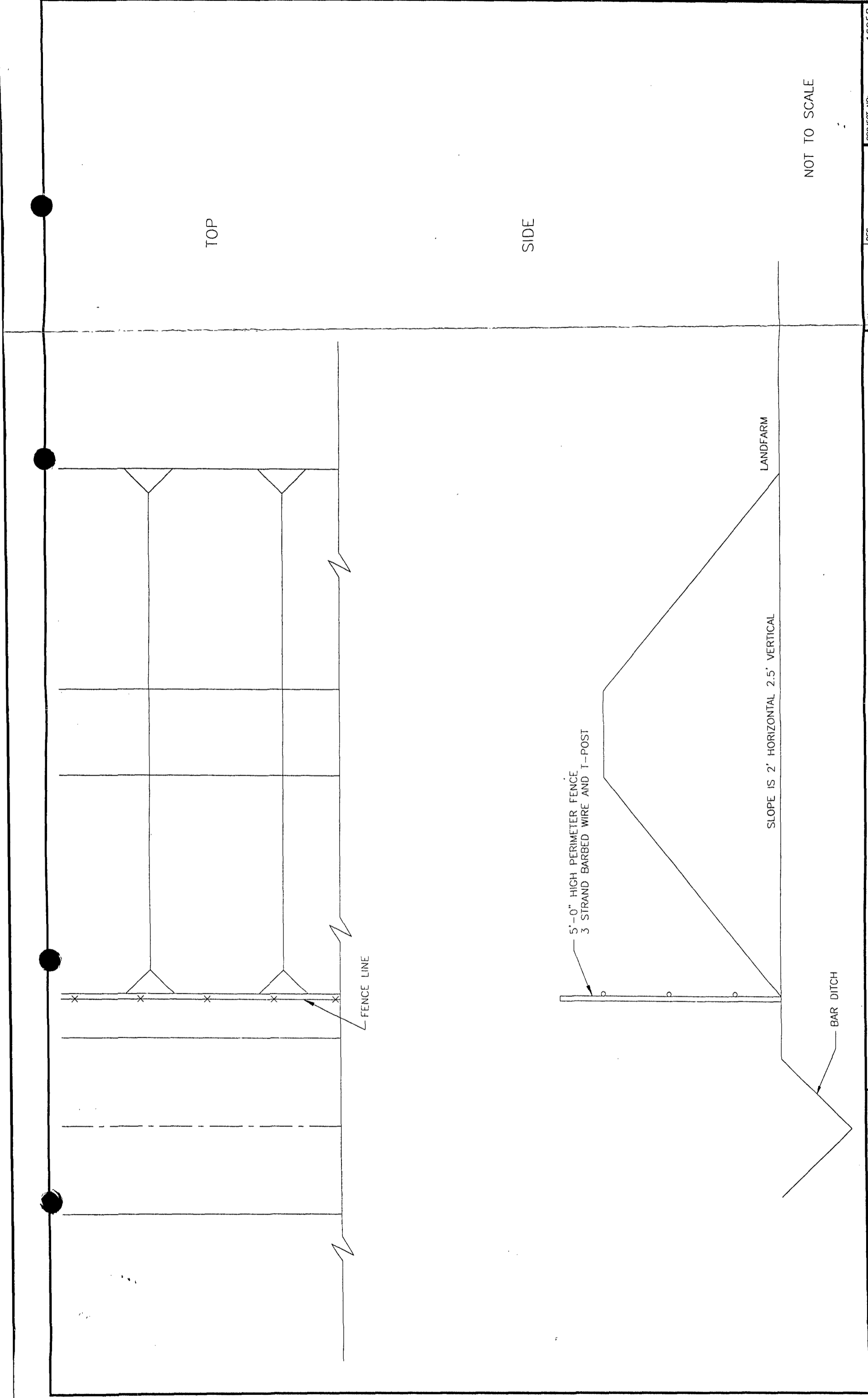
10/1/97

REV.:

0

FIGURE 1B

FIGURE 1C: BERM DETAILS



NOT TO SCALE

	TITLE: BERM DETAILS GIANT LAND FARM				PROJECT NO: 16958 GIANT LAND FARM CARSON TRADING POST			
	OWN:	CDJ	DES:	MN	APPD:			
	CHKD:	MN	DATE:	9/30/97	REV:	A	FIGURE 1C	

APPENDIX A: LANDOWNERS WITHIN ONE MILE

Landowners of Record within One Mile of Landfarm Site

Indian Allotted Land

Gleason, Allen
4715 Gila
Farmington NM 87401

George, Sam
General Delivery
Bloomfield NM 87413

Begay, Imogene
P. O. Box 981
Kirtland NM 87417

Begay, Lavena
P. O. Box 981
Kirtland NM 87417

Begay, Alroy Roger
C/o Minnie Low Begay
P. O. Box 981
Kirtland NM 87417

Begay, Evelyn
C/o Minnie Low Begay
P. O. Box 981
Kirtland NM 87417

Begay, Melissa
C/o Minnie Low Begay
P. O. Box 981
Kirtland NM 87417

George, Melvin
P. O. Box 1262
Cuba NM 8701

I Ni Pah, Joan
Box 2154
Bloomfield NM 87413

Jackson, Anthony Dal-Roy
C/o Frank Jackson (guardian)
817 Nicklaus Dr.
Rio Rancho NM 87124

Jackson, Everett Michael
C/o Frank Jackson (guardian)
817 Nicklaus Dr.
Rio Rancho NM 87124

Charley, Dorothy Ann
2435 19th Ave.
San Francisco CA 94116

Charley, Dorothy Anna
2435 19th Ave.
San Francisco CA 94116

Valdez, Dorothy Ann
2435 19th Ave.
San Francisco CA 94116

Charley, Kenneth B.
2435 19th Ave.
San Francisco CA 94116

Charley, Kenneth
2435 19th Ave.
San Francisco CA 94116

Federal Land

Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401

**Bureau of Indian Affairs Trust
Land**

Bureau of Indian Affairs
Shiprock Agency
PO Box 966
Shiprock, New Mexico 87420

Private Land

C.L. Crowder Investment Co.
508 Wellesley SE
Albuquerque, NM 87106

APPENDIX B:

FACILITY CONSTRUCTION/OPERATION & WASTE CLASSIFICATION

coordinates or latitude/longitude on unsurveyed land. Submit a large scale topographic map, site plan, or detailed aerial photograph for use in conjunction with the written material. Include on the map the appropriate highways or roads giving access to the facility.

IV. EXPANSION REQUEST

If the application is for an expansion of an existing facility, include the original OCD order or approval authorization for the facility.

V. LAND & OWNERSHIP

List the name and address of the landowner of the landfarm and all landowners of record within one-half mile of the site. Include a topographic map, plot map or aerial photograph delineating ownership boundaries. Include on the map all private residences within one mile of the proposed facility.

Note: see Part XII. of application for Proof of Notice.

VI. FACILITY DESCRIPTION

Attach a description of the facility with a diagram indicating the location of the following:

1. Roads, fences, gates, berms, ditches, and proposed cells.
2. All pipelines crossing the facility, including owner, contents, depth and size of the pipeline(s).
3. Actual or proposed offices and/or storage buildings.
4. Chemical storage areas indicating the type of storage containers (ie. drums, sacks, tanks, etc.).
5. All tanks indicating whether they are above ground or below ground and saddle or vertical.
6. Any on-site storage/disposal facilities for wastes other than contaminated soils to be landfarmed (ie. waste oil, washbay sumps, etc.).

VII. FACILITY CONSTRUCTION/OPERATION & WASTE CLASSIFICATION

A. Facility Construction - The following items should be addressed when designing the facility:

1. Location: A landfarm facility shall not be located in any watercourse, lakebed, sink-hole, or other depression. Facilities located adjacent to any such watercourses or depression shall be located safely above the high water level of such watercourse or depression. In addition, facilities located adjacent to any watercourses shall include a storm water runoff plan.
2. Fences & Signs: The facility shall be fenced and have a sign at the entrance. The sign shall be legible from at least fifty (50) feet and contain the following information: a) name of the facility, b) location by section, township and range, and c) emergency phone number.
3. Facility Buffer Zone: No contaminated soils should be placed within one hundred (100) feet of the boundary of the facility unless it can be demonstrated that a smaller buffer zone will not adversely impact the adjacent properties.
4. Pipeline Buffer Zone: No contaminated soils should be placed within twenty (20) feet of any pipelines crossing the landfarm. In addition, no

equipment should be operated within ten (10) feet of a pipeline. All pipelines crossing the facility should have surface markers identifying the location of the pipelines.

5. Facility Berming: The portion of the facility containing contaminated soils shall be bermed to prevent runoff and runon. A berm should be constructed and maintained such that it capable of containing precipitation from a one-hundred year flood for that specific region.

6. Treatment Zone Monitoring: Because a landfarm is designed to remediate contaminated soils and not transfer contaminants into the underlying native soil and/or groundwater, the applicant shall submit a plan to detect leaching of contaminants. If the native ground surface has a minimum of three feet of uncemented material (ie. soil) then a treatment zone monitoring program may be incorporated into the facility design to ensure contaminants are not leaching into the native soil/groundwater. The following procedures should be used to monitor a treatment zone not to exceed three (3) feet beneath the landfarm:

a. One (1) background soil sample should be taken from the center portion of the landfarm two (2) feet below the native ground surface prior to operation. The sample should be analyzed for total petroleum hydrocarbons (TPH), major cations/anions, volatile aromatic organics (BTEX), and heavy metals using approved EPA methods.

b. A treatment zone not to exceed three (3) feet beneath the land farm should be monitored. A minimum of one random soil sample should be taken from each individual cell, with no cell being larger than five (5) acres, six (6) months after the first contaminated soils are received in the cell and then quarterly thereafter. The sample should be taken at two to three (2-3) feet below the native ground surface.

c. The soil samples should be analyzed using approved EPA methods for TPH and BTEX quarterly, and for major cations/anions and heavy metals annually.

d. After obtaining the soil samples the boreholes should be filled with an impermeable material such as cement.

e. Analytical results from the treatment zone monitoring should be submitted to the OCD Santa Fe Office for review on a regular schedule to be proposed by the applicant.

7. Double-Lined System: If the native ground surface is composed of resistant cemented materials which make it infeasible to sample a treatment zone then another method shall be proposed to guarantee that contaminants do not leach into the underlying soils and/or groundwater. This may be accomplished by installing a double-lined system with leak detection in accordance with the OCD "Engineering Design Guidelines for Construction of Waste Storage/Disposal Ponds (10/90)H. In addition, the facility shall be constructed so that the primary liner will not be ripped or punctured when the contaminated soils are disked.

B. Facility Operation - The Director shall consider, but is not limited to, the following operating procedures for commercial and centralized landfarms. The purpose of specific operating requirements is so that operation of a landfarm will not adversely impact ground water, surface water, public health or the environment.

1. Disposal shall only occur when an attendant is on duty. The facility shall be secured when no attendant is present.

2. All contaminated soils received at the facility should be spread and disked within 72 hours of receipt.

3. Soils should be spread on the surface in six inch lifts or less unless the applicant can demonstrate that the equipment will adequately disk a thicker lift.

4. Soils should be disked a minimum of one time every two weeks (biweekly) to enhance biodegradation of contaminants.

5. Exempt contaminated soils should be placed in the landfarm so that they are physically separate (ie. bermed) from nonexempt contaminated soils. There should be no mixing of exempt and nonexempt soils.

6. Successive lifts of contaminated soils should not be spread until a laboratory measurement of Total Petroleum Hydrocarbons (TPH) in the previous lift is less than 100 parts per million (ppm), and the sum of all aromatic hydrocarbons (BTX) is less than 50 ppm, and the benzene is less than 10 ppm. Comprehensive records of the laboratory analyses and the sampling locations shall be maintained at the facility. Authorization from the OCD shall be obtained prior to application of successive lifts.

7. Moisture should be added as necessary to enhance bioremediation and to control blowing dust. There shall be no ponding, pooling or run-off of water allowed. Any ponding of precipitation should be removed within seventy-two (72) hours of discovery.

8. Enhanced bio-remediation through the application of microbes (bugs) and/or fertilizers shall only be permitted after prior approval from the OCD. Request for application of microbes should include the location of the area designated for the bio-remediation program, composition of additives, and the method, amount and frequency of application.

9. No free liquids or soils with free liquids shall be accepted at the facility.

10. Comprehensive records of all material disposed of at the facility shall be maintained at the facility. The records for each load will include: 1) the generator, 2) the origin, 3) date received, 4) quantity, 5) Certification of exempt status or analysis for hazardous constituents if non-exempt, 6) transporter, and 7) exact cell location and any addition of microbes, moisture, fertilizers, etc.

C. Characterization & Tracking of Wastes - The operator of a landfarm must be able to distinguish between those oilfield contaminated solids which are exempt from RCRA Subtitle C (hazardous waste) regulations and those which are subject to the RCRA Subtitle C regulations. To aid the landfarm applicant in making those determinations and therefore prohibiting hazardous waste from entering the facility, all OCD permitted landfarms should operate under the following conditions:

1. The facility should be authorized to accept only:

a. Oilfield contaminated solids which are exempt from RCRA Subtitle C regulations. These wastes should be accompanied by a "Certification of Waste Status" from the generator.

b. "Non-hazardous" non-exempt oilfield contaminated solids from OCD permitted facilities on a case-by-case basis after conducting an analysis for hazardous characteristics and receiving OCD approval. The test for hazardous characteristics for a particular waste may be effective for one year from the date of analysis, if, the subsequent wastes from the same waste stream are accompanied by a statement from the generator that there has been no change in the processes employed or the chemicals stored/used at the facility generating the waste.

C. Other non-oilfield contaminated solids which are RCRA Subtitle C exempt or non-hazardous by characteristic testing, if requested by another regulatory agency on an emergency basis as the waste poses an eminent danger to public health. The wastes should be accompanied by a "Verification of Waste Status" demonstrating the exempt or non-hazardous classification of the solids and signed by the appropriate regulatory agency. OCD approval shall be obtained prior to accepting the wastes.

2. At no time will any OCD permitted landfarms accept wastes which are hazardous by either testing or listing.

3. All loads received at the facility will be accompanied by the following:

a. A "Certification of Waste Status" signed by the waste generator or a "Verification of Waste Status" issued by the New Mexico Environment Department (NMED) or the appropriate agency from another state for wastes regulated by that agency. The state agency verification is based on specific information on the subject waste submitted by the generator and demonstrating the exempt or non-hazardous classification of the waste.

b. The analytical results of Hazardous Waste Characterization for non-exempt waste including corrosivity, reactivity, ignitability, and toxic constituents and a certification that no listed hazardous wastes are contained within the wastes. The samples for these analyses and results will be obtained from the wastes prior to removal from the generator's facility and without dilution in accordance with EPA SW-846 sampling procedures.

4. The transporter of all wastes to the facility will supply a certification that wastes delivered are those wastes received from the generator and that no additional materials have been added.

VIII. SPILL/LEAK PREVENTION & REPORTING (CONTINGENCY PLANS)

A. The disposal application shall contain a contingency plan that anticipates where any leaks/spill might occur. It should describe how the applicant proposes to guard against such accidents and detect them when they have occurred.

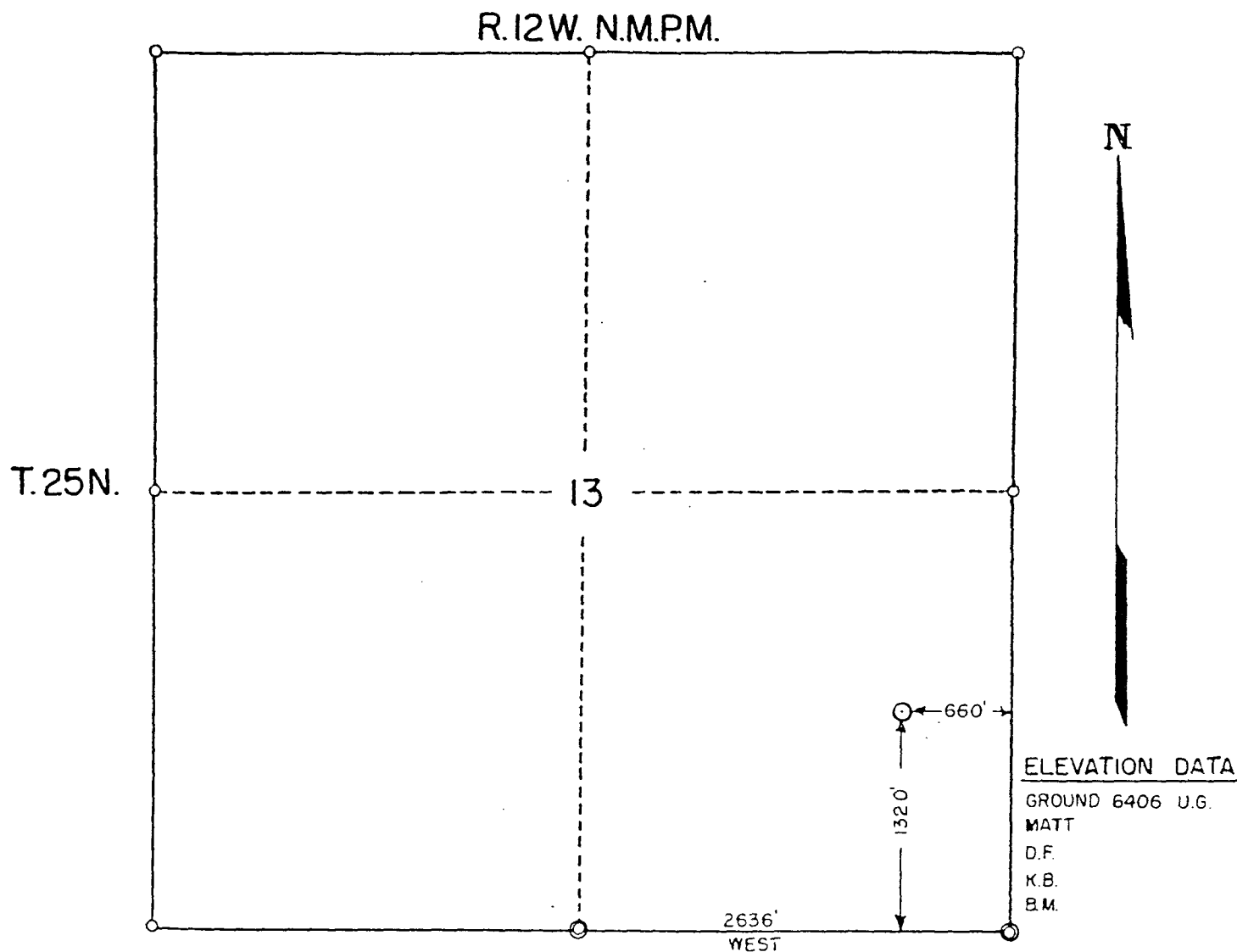
B. The contingency plan shall describe the steps proposed to contain and remove the spilled substance or mitigate the damage caused by the discharge such that ground water is protected, or movement into surface waters is prevented.

C. The disposal application shall describe how any ponding, pooling or runoff of precipitation will be removed from the landfarm and where its final disposition will be.

APPENDIX C: STATE ENGINEER'S WELL RECORDS

Notary Public

8. Additional statements or explanations 8-5/8" casing (combination string) set at 2541',
slotted intervals 2541-2267, 2187-2096, 2001-1956. Cemented at 1927' with 50
sacks pozzo mix. Tubing (3") set at 1908'. Producing interval 1927-2550.



REFERENCE POINT DATUM—

⊙ = G.L.O. BRASS CAP FOUND

1"x2" hub and 4' flag set at Loc. being 1320' N. & 660' W. of the SE. Cor. of Sec. 13, T.25N., R.12W. N.M.P.M. Contractor grading at time of staking and no check angle was observed.

This is to certify that the above plat was prepared from field notes of an actual survey made by me on March 21, 1957, and that the same is true and correct to the best of my knowledge and belief.

April 2, 1957

John A. Kroeger
John A. Kroeger / Reg. L.S.
N.M. Reg. No. 1941



Drawn By: A.C.T.

Checked By: *JAK*

Date: 4-2-57

SHELL OIL COMPANY

Scale 1" = 1000'

LOCATION OF CARSON UNIT WATER WELL NO. 1

H O U S T O N , T E X A S



Electrical Log

SAN JUAN, N.M.
COUNTY

FIELD or

BISTI GALLUP

BIST WATER WELL

耳

COMPANY SHELL OIL COMPANY

Other Surveys

NONE

WELL BISTI WATER WELL

1

FIELD BISTI GALLUP

LOCATION SEC. 13-25N-12W

COUNTY SAN JUAN

STATE NEW MEXICO

Location of Well

1320' N & 660'
W of SE CORNER
SEC. 13-25N-12W

Elevation: D.F.: 64 | 2'

K.B.:

or G.L.: 6400'

FILING No. S20-020

FOLD HERE

MUD FROM FLOW LINE

REMARKS

FLUID LEVEL AT 92'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PROJECT COMPLETION REPORT

5J-1716
25N.12W.1.320

CODE	NAME	CODE	NAME
1-2 30	State New Mexico	7-8 24	County San Juan
3-4 07	District Farmington	9-10 64	Sub-basin San Juan River
5-6 64	Fiscal Year 1964	11-12 03	Community Watershed West San Juan

													Project Expenditures																
16 Project No.				17 CTI RM		19 Pro- gram		23 Practice				29 Units				36 Soil & Moisture				41 Weed Control				46 Range Improvements					
3	2	4		1		3	3	4	1	0	0					1				5	0					8	1	4	0

Project Expenditures				Seeding			Water Development		Flood Control Dam		
50 Other BLM	56 Watershed Protection	60 Contribution	61 Plant Contl	62 Appn.	63 Spp.	65 Gully Contl	67 Stockwater Reservoir	69 New Water	72 Permanent Storage	75 Sediment Storage	79 Flood Storage
								3	29		

Project Name Carson No. 1 Well				Permittee Name N.A.			
Program Range Improvement A.P.W.		Plant Control Method N.A.		SEEDING APPLICATION SPECIES N.A. N.A.		Unit of Measurement Each	
DATE							
PERMIT ISSUED N.A.	STARTED 6-20-63	COMPLETED 2-5-64	OF EASEMENT N.A.	Name of Owner N.A.			

Land Status	<input checked="" type="checkbox"/> BLM	<input type="checkbox"/> Other Federal	<input type="checkbox"/> State	<input type="checkbox"/> County	<input type="checkbox"/> Private
Cooperative Agreement	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date N.A.	Maintenance Responsibility of Bureau of Land Management	Date sent to W.O. for recording 8-6-64	

State Water Certificate No.	DATE
N.A.	RECORDED N.A.
	PROJECT MARKER PLACED 2-7-64
	ABANDONED
	ABANDONMENT REPORTED TO B.L.M.

- Completed Project Description
- Drilled depth - 403 ft.
 - Normal static water level - 210 ft.
 - Casing length - 405 ft. diameter of casing 6-5/8 inch o.d.
 - Flow during baling - 40 g.p.m., drawdown 165 ft.
 - Pump - plunger type, power - 14 ft. aermotor, discharge 110 g.p.h., diam. of cylinder - 1-7/8", depth to cylinder - 273 ft.
 - Storage - round, galvanized steel, open top tank, with a concrete base, height 8 ft., diameter 12'4", capacity 6,838 gal.
 - Troughs - 3 round, painted steel rim, with concrete base, 6 ft. diameter, 15 inches high, capacity 69 gal. each.

STATUS	8-12-64
4-1210	2-16-64
NAP	9-8-64

Form 9-1475
(Aug. 1961)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

State New Mexico County San Juan
Location Δ E 1/4 Sec. 1, T. 25 N. R. 13 E.

☒ Driller's log

☐ Sample log

W. R. West Drilling Company LOG OF WELL, San Juan Co. Unit #4 Name of well Carson #1 14-11-0003-1279

Depth (feet)		Cuttings sample number	Description of materials drilled			Water yield (gpm)	Remarks (Quality of water, ease of drilling, caving, loss of drilling fluid, etc.)
From-	To-		Type of rock	Color	Other characteristics (Grain size, hardness, etc.)		
0	52		Overburden	Brown			
100	100		Shale	Gray			
100	105		"	Gray-Brown			
105	110		Sdy Shale	Dark Gray			Jumped box odd stem Wed. 6-27-63
110	115		"	"			recovered bit Thurs. 6-28-63
115	125		"	Light gray	Bent. Type		
125	170		Shale	Gray			
170	175		Shale	Light gray	Bantonite		Mon. 7-1-63 lost bit
175	200		Shale	Gray			Tues. 7-2-63 recovered bit
200	225		Shale	Light Gray	Bantonite		<i>State included 211 ft</i>
225	250		Sand	White	coarse grained		<i>to Carson 325 ft</i>
250	260		"	"	thin grained		
260	280		"	"	coarse grained		
280	300		"	"	Sandy shale		
300	310		Shale	Dark			
310	330		Shale	Blue			
330	340		Shale	White			
340	350		Shale	Blue			
350	360		Shale	Dark			
360	370						

NEW MEXICO GEOLOGICAL SURVEY

62 APR 29 10:36