

NM1 - 33

**GENERAL
CORRESPONDENCE**

YEAR(S):

2004 - 2000

October 15, 2004

NMOCD Environmental
ATTN: Ed Martin
Box 6429
1220 S. Saint Francis Drive
Santa Fe, NM 87504

RE: Doom Landfarm

NM-1-0033

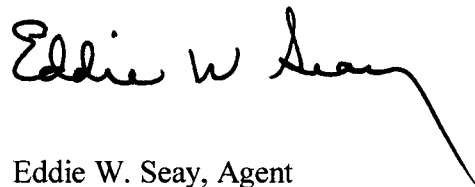
Mr. Martin:

Find attached a signed copy of the salt survey for landfarms and Dooms C-137.

Doom Landfarm is in an area where "No" groundwater is present, this comes from a review of State Engineer reports, Groundwater Report 6 and physical inspection of the area. Find attached information.

If you have any questions, please call.

Thanks,



Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236
seay04@leaco.net

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-137
Revised June 10, 2003

Submit Original Plus 1
Copy to Santa Fe
1 Copy 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: Rebecca J. Doom (505)395-2877 Doom Landfarm

Address: 47 Doom Lane Jal, NM 88252

Contact Person: Eddie W. Seay, Agent Phone: (505)392-2236

3. Location: S 1/2 of NE 1/4 and N 1/2 of SE 1/4 Township 25S Range 37E
4 Section 5

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.

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

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.

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

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

10. Attach a closure plan.

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.

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

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

14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations and orders.

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: Eddie W. Seay

Title: Agent

Signature: Eddie W. Seay

Date: 10/11/04

E-mail Address: seay04@leaco.net

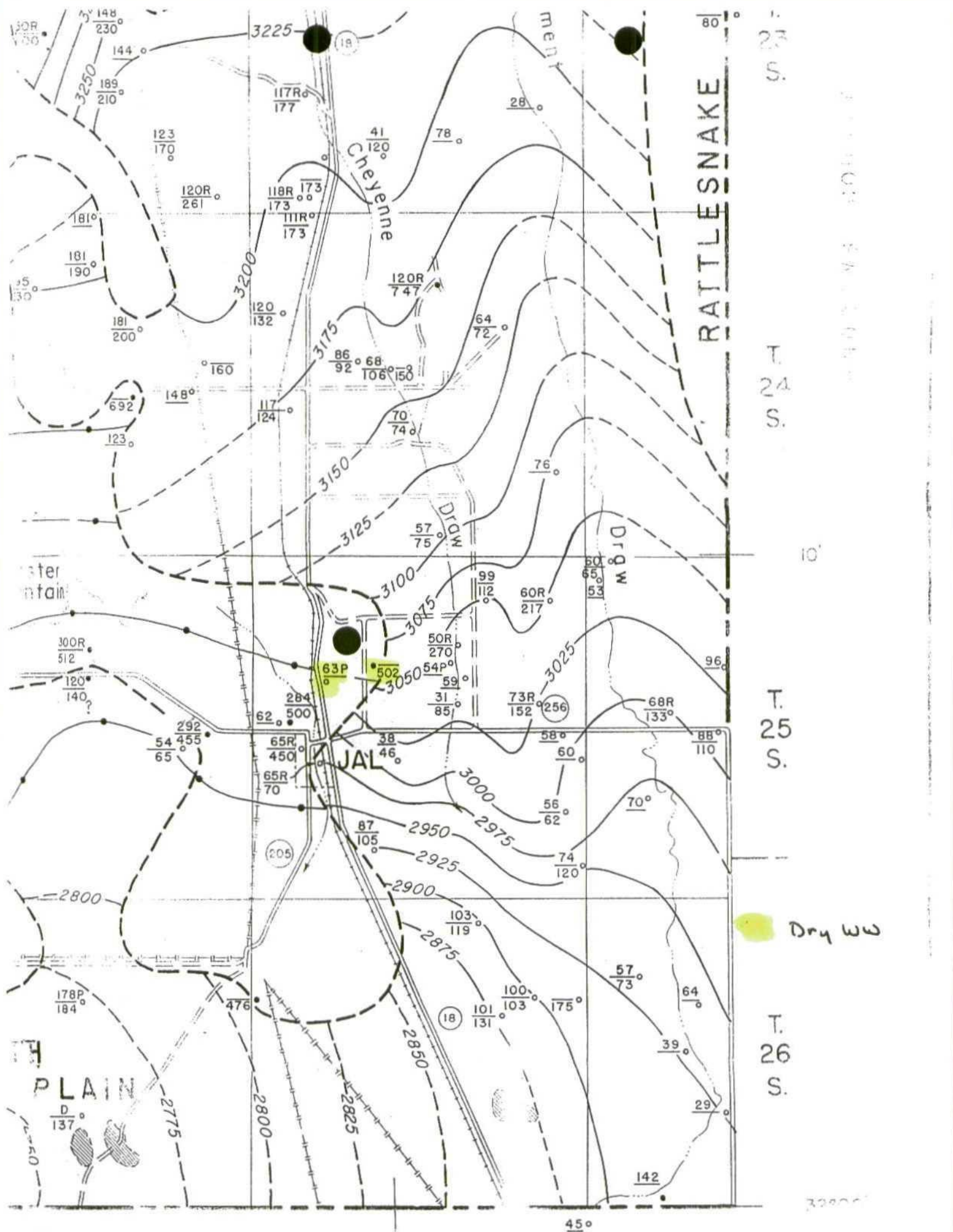
GROUND-WATER REPORT 6

Geology and Ground-Water
Conditions in Southern
Lea County, New Mexico

by *ALEXANDER NICHOLSON, Jr.*
and *ALFRED CLEBSCH, JR.*

UNITED STATES GEOLOGICAL SURVEY

STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY
CAMPUS STATION SOCORRO, NEW MEXICO



**New Mexico Office of the State Engineer
Well Reports and Downloads**

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

AVERAGE DEPTH OF WATER REPORT 10/12/2004

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg

No Records found, try again



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

September 17, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Ms. Rebecca J. Doom

Doom Landfarm

~~Box 168~~ 47 Doom Lane

Jal, NM 88252

Rec'd
9-20-04

Dear Ms. Doom:

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

Rebecca J. Doom
Signed

10-6-04
Date



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

7001 1940 0004 7923 4955

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

March 4, 2005

Doom Landfarm
Box 168
Jal, NM 88252

Permit Number: NM-1-0033

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.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

September 17, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Ms. Rebecca J. Doom
Doom Landfarm
Box 168
Jal, NM 88252

Dear Ms. Doom:

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 _____

DOOM LANDFARM LLC

NMOCED Permit # 01-0033

SCC # 2157071

SECTION 1, TOWNSHIP 22 S., RANGE 17 E.

PHONE:

505-631-8314

505-391-9685

505-395-2877



9-28-03

RECEIVED

OCT 06 2003

CAL. CONSERVATION
DIVISION

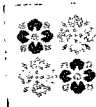
10-1-03

I went down with my camera
to make a picture of the new
sign and you were so
right!

I hope this picture will
save you a trip.

Serrey about the delay.

R Doom



R J Doom
47 Doom Ln.
Jal, NM 88252

Doom Land Farm

CHECKLIST FOR RULE 711 PERMIT APPLICATION COMPLETENESS

1. ✓ FACILITY TYPE **LAND FARM**
2. ✓ OPERATOR NAME, ADDRESS, CONTACT PERSON AND PHONE#
160 Acres
Rebecca Doom (SOS) 395-2877
Eddie Seay (Agent) (SOS) 392-2236
3. ✓ LEGAL LOCATION **S 1/2 NE 1/4 and N 1/2 SE 1/4 of Sec 5, T25S, R37E**
Leaco. NM
4. / MODIFICATION OR NEW FACILITY
5. ✓ NAME AND ADDRESS OF THE FACILITY SITE LANDOWNER
Rebecca J. Doom
Box 168
Property owners: Gerald W., Daniel J., Rebecca J. Doom. JAL, NM 88252
6. ✓ NAME AND ADDRESS OF ALL LANDOWNERS OF RECORD WITHIN ONE MILE OF FACILITY SITE.

NOTIFICATION OF ALL LANDOWNERS OF RECORD WITHIN ONE MILE OF FACILITY SITE
RETURN RECEIPT SUBMITTED **& County Commission**

8. PUBLIC NOTICE IN **One Loving Day** NEWSPAPERS ORIGINAL AFFIDAVIT OF PUBLICATION SUBMITTED.

9. FACILITY DESCRIPTION WITH DIAGRAMS INDICATING ALL PERTINENT FEATURES (FENCES, BERM, ROADS, PITS, DIKES, TANKS, MONITORING WELLS) **work around Pits (4) & wells (3)**
10. ✓ CONSTRUCTION INSTALLATION DESIGNS FOR PITS, PONDS, LEAK-DETECTION SYSTEMS, AERATION SYSTEMS, ENHANCED EVAPORATION SYSTEMS, WASTE TREATING SYSTEMS, SOLIDIFICATION SYSTEMS, SECURITY SYSTEMS, AND LANDFARM FACILITIES.
11. ✓ GEOLOGICAL/HYDROLOGICAL EVIDENCE THAT FACILITY WILL NOT IMPACT GROUNDWATER. DEPTH TO AND QUALITY OF GROUNDWATER INCLUDED. **Groundwater 73' to 293'**
send maps Back for Clarification. **CL 54 to 116 ppm.**
12. ✓ CONTINGENCY PLAN FOR REPORTING AND CLEAN-UP OF SPILLS OR RELEASES.

13. ✓ H2S CONTINGENCY PLAN

14. ✓ ROUTINE INSPECTION AND MAINTENANCE PLAN TO ENSURE PERMIT COMPLIANCE

15. ✓ CLOSURE PLAN

16. ✓ CLOSURE COST ESTIMATE **\$ 105,400 + \$5,929 = \$111,329.**

17. BONDING AMOUNT **111,329** # TYPE DATE APPROVED

18. ANY OTHER INFORMATION AS NECESSARY TO DEMONSTRATE COMPLIANCE WITH ANY OTHER OCD RULES REGULATIONS AND ORDERS.

Photos of Before
sent in on Sept 27, 2000

19. CERTIFICATION SIGNATURE AND DATE ON PERMIT

5-280
hgr.

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) 827-7131

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

Form C-137
Originated 8/8/95

RECEIVED
MAR 18 2002
Environmental Bureau
Oil Conservation Division

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: Doom Landfarm, LLC
Address: Box 168 Jal, NM 88252
Contact Person: Rebecca J. Doom Phone: (505) 395-2877
3. Location: NE /4 SE /4 Section 5 Township 25 S Range 37 E
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.
6. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.
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.
8. Attach a contingency plan for reporting and clean-up for spills or releases.
9. Attach a routine inspection and maintenance plan to ensure permit compliance.
10. Attach a closure plan.
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.
12. Attach proof that the notice requirements of OCD Rule 711 have been met.
13. Attach a contingency plan in the event of a release of H₂S.
14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations and orders.
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: Eddie W. Seay

Title: Agent

Signature: Eddie W. Seay

Date: March 12, 2002

APPLICATION FOR WASTE MANAGEMENT FACILITY

Doom Landfarm, LLC, wishes to modify its existing permitted facility, NM-01-0033. Due to economics in the oil and gas industry, we wish to decrease the size of the permit from 160 acres to 40 acres. The new modification will be in Unit I, NE 1/4 of the SE 1/4 of Section 5, Tws. 25 S., Rng. 37 E.

The closure cost estimate based on the original calculations should be \$26,350.00 for the 40 acre tract.

Closure cost estimate for two year period. Estimating there will be 4 - 5 acre cells.

Analytical tests for 2 yrs.

BTEX - 8 quarters - $\$40.00 \times 5 =$ \$1600.00

TPH - 8 quarters - $\$50.00 \times 5 =$ 2000.00

Metals - 2 yrs. - $\$200.00 \times 5 =$ 2000.00

Cations/Anions - 2 yrs. - $\$100.00 \times 5 =$ 1000.00

TOTAL	\$6600.00
-------	-----------

Quarterly sampling time and labor for 5 cells.

Labor at \$50.00 per hr.

30 Minutes per cell.

5 cells equals 2.5 hrs. plus report.

2.75 hrs. x \$50.00 x 8 quarters.

TOTAL	\$1100.00
-------	-----------

Disking for two years every two weeks. Approximately 25 acres.

\$30.00 per hr. - 15 min. per acre.

25 acres x 15 min. x 52 weeks for 2 yrs. = 325 hrs.

325 x \$30.00.

TOTAL	\$9750.00
-------	-----------

Fresh water as needed.

\$120.00 per load for 5 cells

10 events in two years.

TOTAL	\$3600.00
-------	-----------

Leveling and Contouring Landfarm.

D-6 dozer \$75.00 per hr./1 acre per hr.

\$75.00 x 40 acres.

TOTAL	\$3000.00
-------	-----------

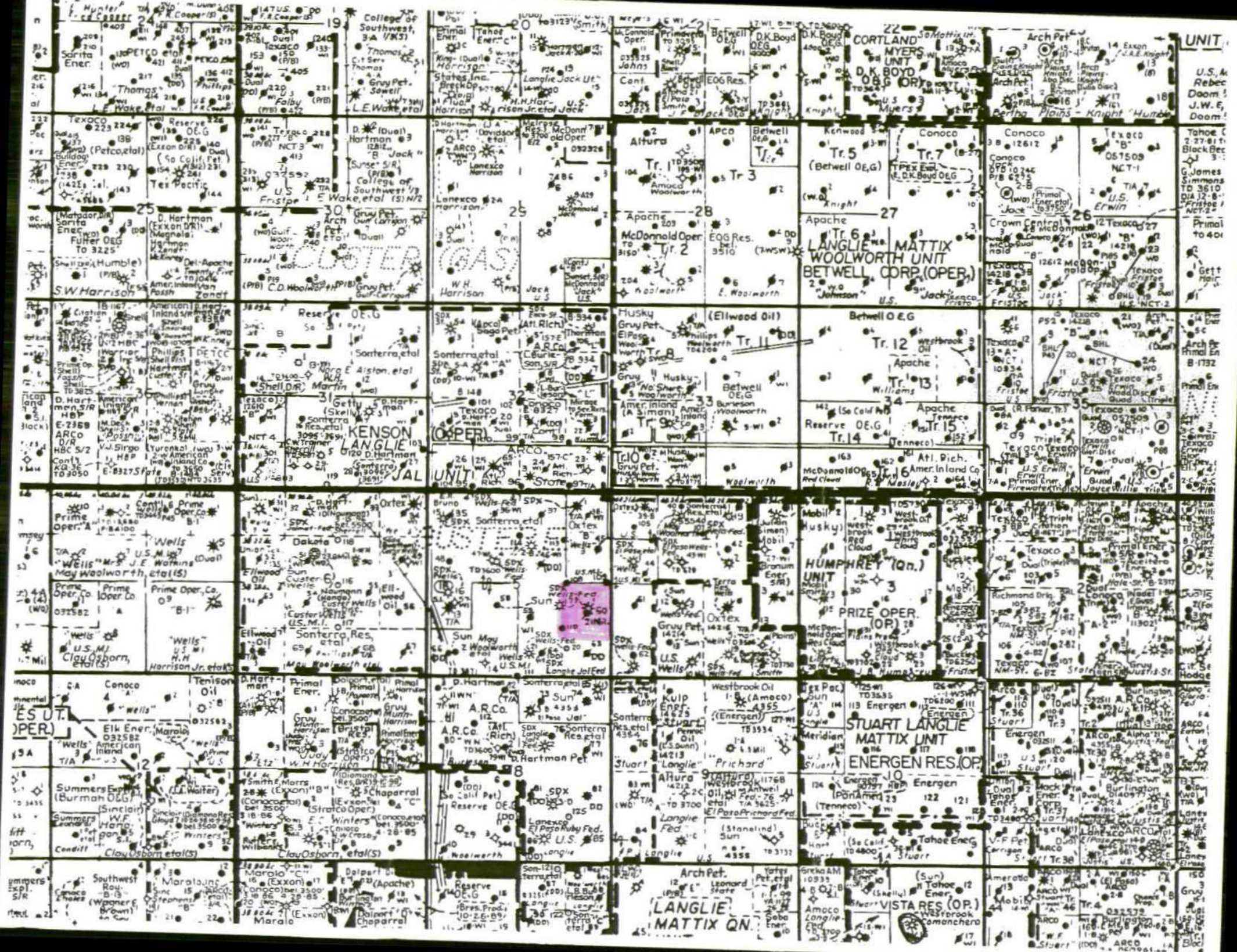
Revegetation and seed for 40 acres.

TOTAL \$2300.00

Total Estimated closure cost for 40 acres would be:

TOTAL \$26,350.00

Doom will adhere to the conditions of the original approved permit, and will operate accordingly.





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

February 13, 2002

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFIED MAIL

RETURN RECEIPT NO. 7001 1940 0004 7923 3750

Ms. Rebecca J. Doom
Doom Landfarm, LLC
Box 168
Jal, NM 88252

RE: OCD Rule 711 Permit Approval NM-01-0033
Doom Landfarm
S/2 NE/4 and N/2 SE/4 Section 5, Township 25 South, Range 37 East, NMPM,
Lea County, New Mexico

Dear Ms. Doom:

A review of the financial assurance portion of Permit NM-01-0033 finds that there is no financial assurance on file for Doom Landfarm. According to Permit NM-01-0033, Doom Landfarm was required to submit financial assurance by December 16, 2001 to the amount of \$55,665. Enclosed you will find a copy of the current financial assurance forms. Doom Landfarm has until March 13, 2002 to submit the appropriate financial assurance. If you have any questions please contact me at (505) 476-3488.

Sincerely,


Martyne J. Kielling

Enclosure: Financial Assurance Forms

xc with attachment:
Hobbs OCD Office

NOV - 3 2000

November 1, 2000

NMOCD Environmental Bureau
ATTN: Martyne J. Kieling
2040 S. Pacheco
Santa Fe, NM 87505

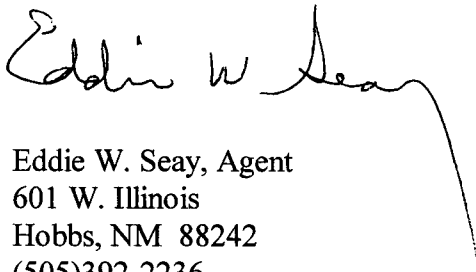
RE: Doom Landfarm

Dear Mrs. Kieling:

As per your request, enclosed is the proof of publication for Doom Landfarm. This should be the last phase for permitting.

If you have any question, or need additional information, please call.

Sincerely,

A handwritten signature in cursive script, reading "Eddie W. Seay". The signature is written in dark ink and is positioned above the typed name and address.

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

Affidavit of Publication

STATE OF NEW MEXICO)

) ss.

COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled
Legal Notice

was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, for one (1) day, beginning with the issue of October 17, 2000 and ending with the issue of October 17, 2000.

And that the cost of publishing said notice is the sum of \$ 50.43 which sum has been (Paid) as Court Costs.

Joyce Clemens
Subscribed and sworn to before me this 25th day of
October 2000

Debbie Schilling
Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2002

tions 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 at a depth of approximately 73 to 293 feet with chloride concentration of approximately 54 to 116 parts per million. The facility is underlain by Quaternary dune sands and the Ogallala Formation. The Ogallala Formation rests unconformably upon Triassic rocks. 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 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.

Published in the Lovington Daily Leader October 17, 2000.

LEGAL NOTICE NOTICE OF PUBLICATION

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:

Doom Landfarm, Eddie Seay, Agent, 601 W. Illinois, Hobbs, New Mexico, 88242, has submitted for approval an application to construct and operate a Rule 711 commercial landfarm soils remediation facility located in the S/2 NE/4 and the N/2 SE/4 Section 5, Township 25 South, Range 37 East, N.M.P.M., Lea County, New Mexico. Hydrocarbon contaminated soils associated with oil and gas production opera-



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

October 12, 2000

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFIED MAIL

RETURN RECEIPT NO. 7099-2223-0000-5051-

Mr. Eddie Seay
DD Landfarm
601 W. Illinois
Hobbs, NM 88242

**RE: Public Notice for Doom Landfarm
Commercial Landfarm Permit Application
S/2 NE/4 and the N/2 SE/4 Section 5, Township 25 South, Range 37 East, NMPM, Lea
County, New Mexico**

Dear Mr. Seay:

The New Mexico Oil Conservation Division (OCD) has received the Doom Landfarm application for a commercial waste management facility dated April 3, 2000 and supplemental information dated September 27, 2000. The application proposes the construction of a landfarm soil remediation Rule 711 facility. The facility is located in the S/2 NE/4 and the N/2 SE/4 Section 5, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

Based on the information provided with the application Form C-137 and the supplemental information the OCD has prepared a public notice statement that Doom Landfarm must published in the Lovington Daily Leader newspaper. Doom Landfarm must send the original certified affidavit of publication from the Lovington Daily Leader to the OCD Santa Fe office and a copy to the appropriate District office.

In addition, Doom Landfarm must give written notice to all surface owners of record within one mile of the proposed facility and to the county commission that the proposed facility is to be located. The OCD has received proof of such notice to the surface owners of record and to the county commission.

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

Sincerely,

Martyne J. Kielling
Environmental Geologist

Attachment

xc: with attachments: Hobbs OCD Office

NOTICE OF PUBLICATION

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:

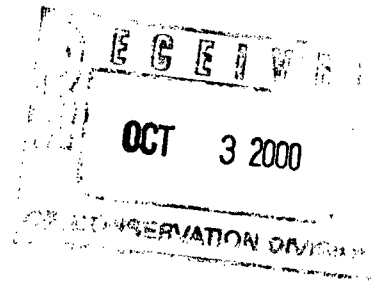
Doom Landfarm, Eddie Seay, Agent, 601 W Illinois, Hobbs, New Mexico, 88242, has submitted for approval an application to construct and operate a Rule 711 commercial landfarm soils remediation facility located in the S/2 NE/4 and the N/2 SE/4 Section 5, Township 25 South, Range 37 East, N.M.P.M., Lea County, New Mexico. Hydrocarbon contaminated soils associated with oil and gas production operations 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 at a depth of approximately 73 to 293 feet with chloride concentration of approximately 54 to 116 parts per million. The facility is underlain by Quaternary dune sands and the Ogallala Formation. The Ogallala Formation rests unconformably upon Triassic rocks. 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 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.

September 27, 2000

Martyne J. Kieling
NMOCD Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505-5472



RE: Doom Landfarm

Dear Mrs. Kieling:

Find within additional information as requested.

2A) Information on wells and map.

There are no batteries on the landfarm site, no landfarming will occur within 20 ft. of any location or pipeline. Berms will be used to prevent spills and leaks from well and lines.

4A) Closure cost estimate, OK.

5) Enclosed.

6) County Commission notice provided.

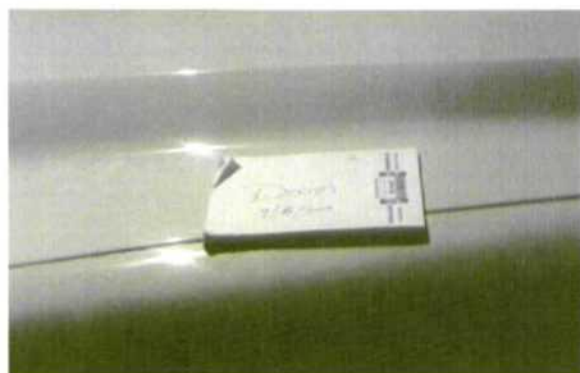
8) Photos within.

Doom will construct berms when necessary to prevent any spillage from wells within its landfarm area.

If you have any questions or need additional information, please call.

Sincerely,

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236



September 6, 2000
North of Jal, NM.



September 6, 2000
Taken from NE to SW.



September 6, 2000
Taken from NW to SE.



September 6, 2000
Taken from East to West.



September 6, 2000
Taken from North to South.



September 6, 2000
Taken from SE to NW.

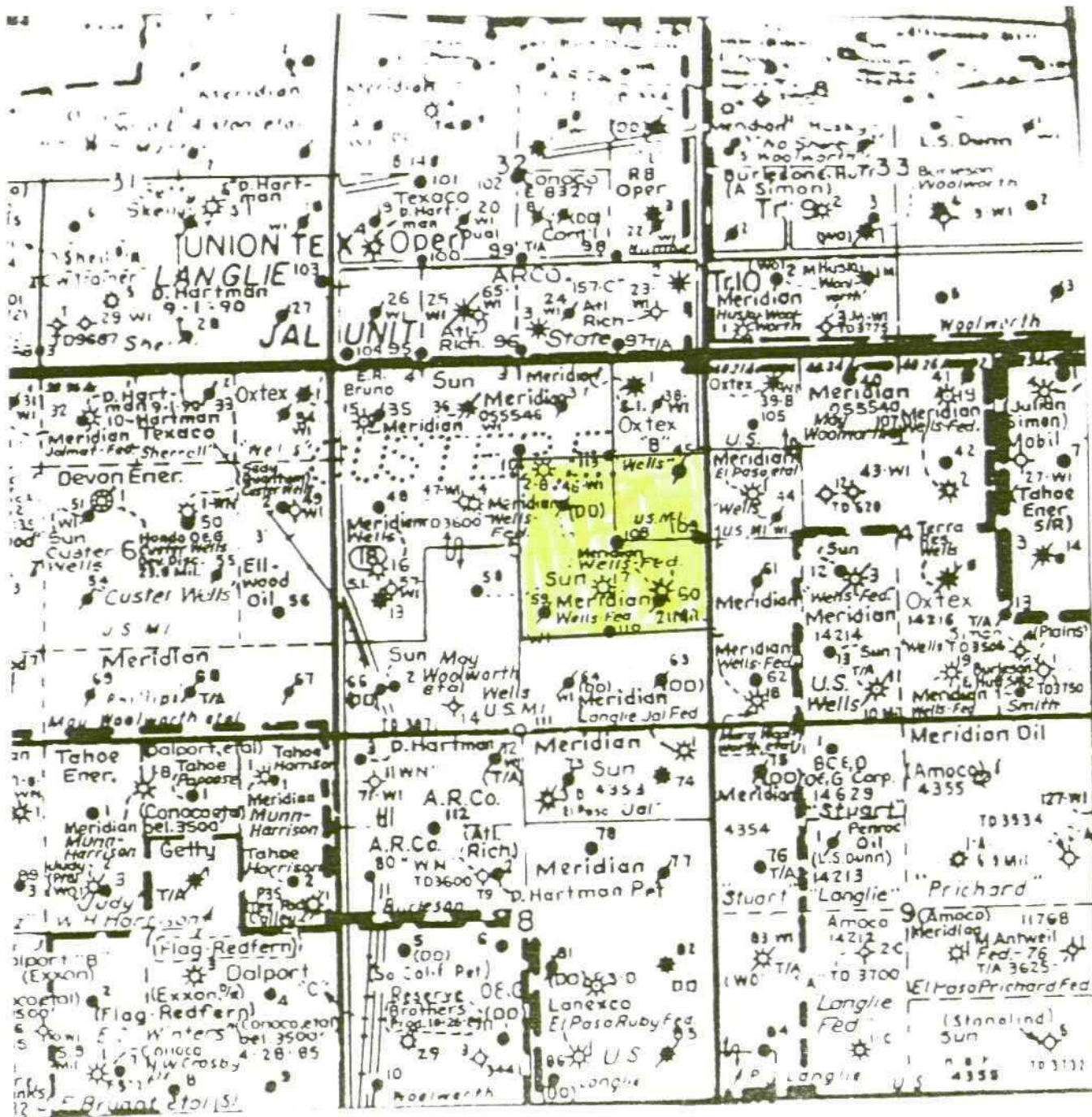


September 6, 2000
Taken from SW to NE.



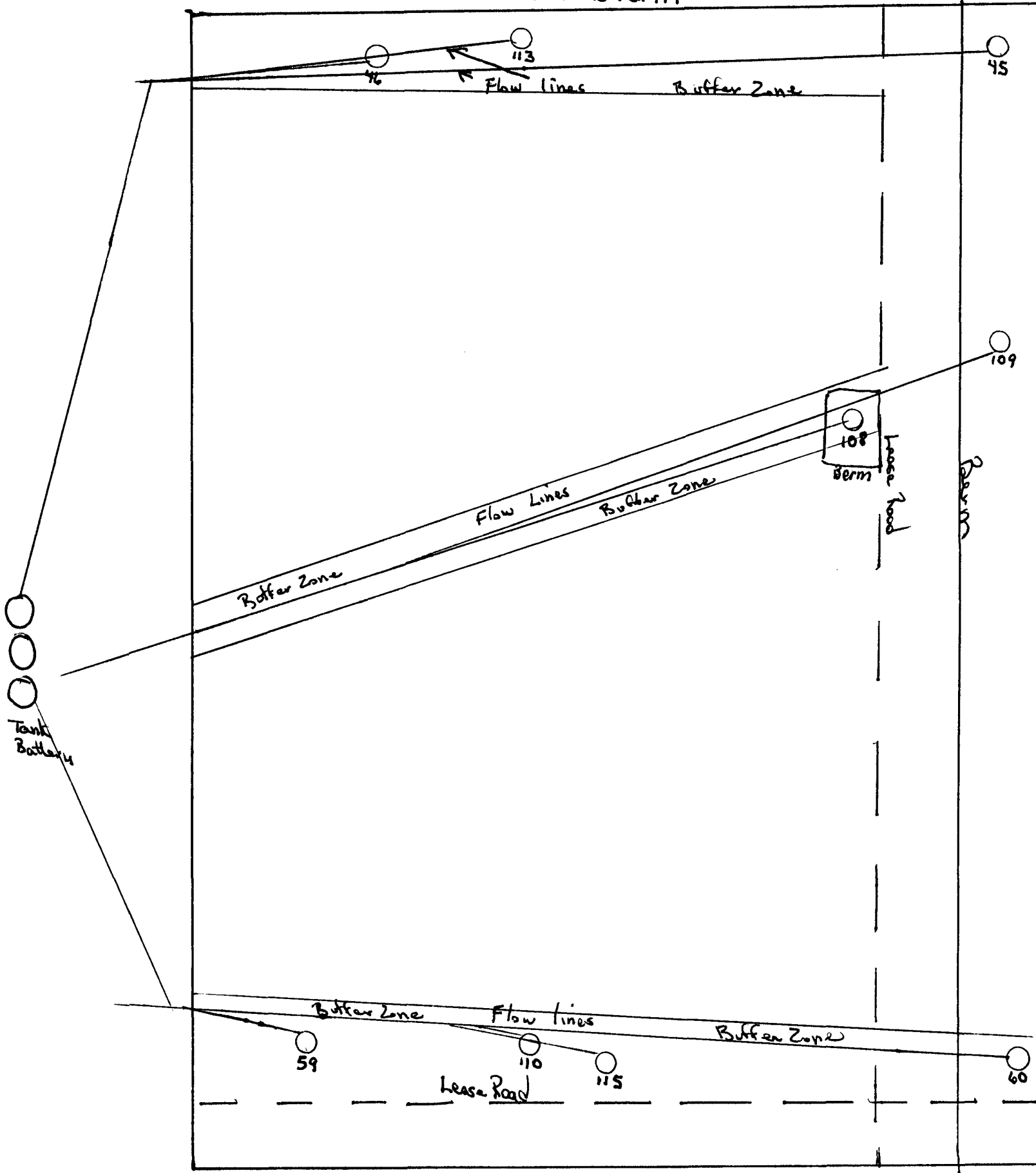
September 6, 2000
Taken from West to East.

UNIT	WELL#	TYPE
I	115	water supply well
I	108	producing
H	109	producing
J	110	producing
I	60	injection
G	46	injection
H	45	injection
G	113	producing
J	59	injection





Doom land farm



GROUND-WATER REPORT 6

Geology and Ground-Water
Conditions in Southern
Lea County, New Mexico

by ALEXANDER NICHOLSON, Jr.
and ALFRED CLEBSCH, JR.

UNITED STATES GEOLOGICAL SURVEY

STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY
CAMPUS STATION SOCORRO, NEW MEXICO

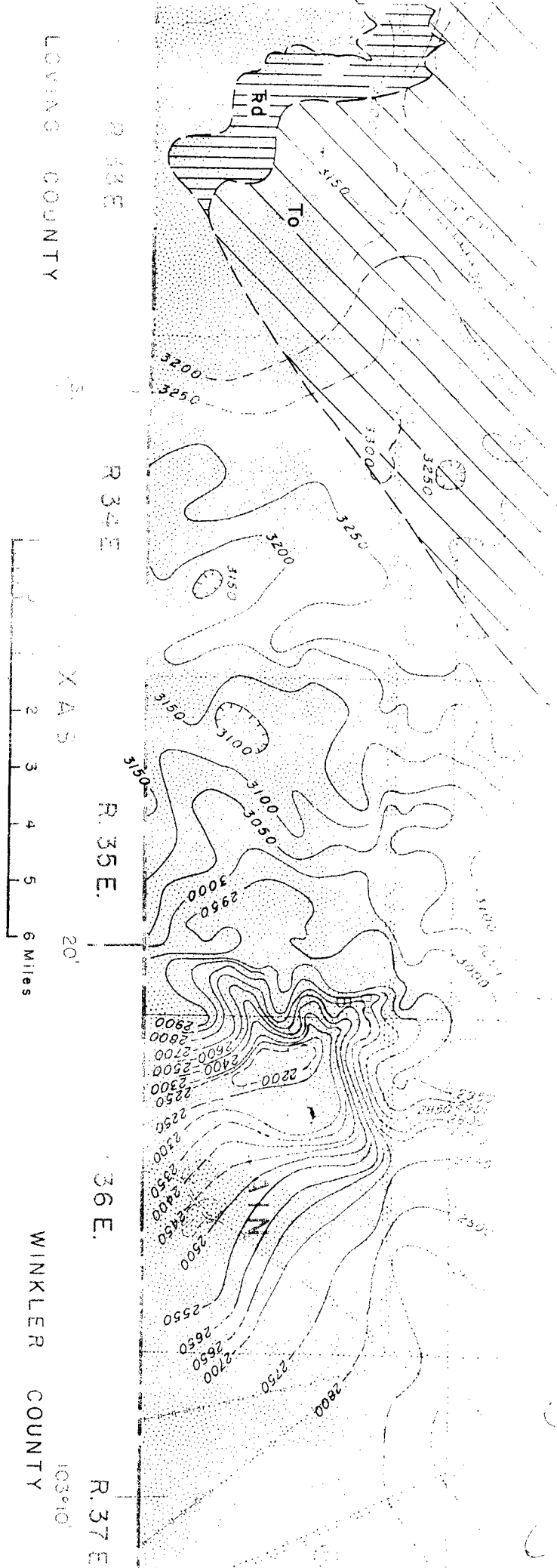
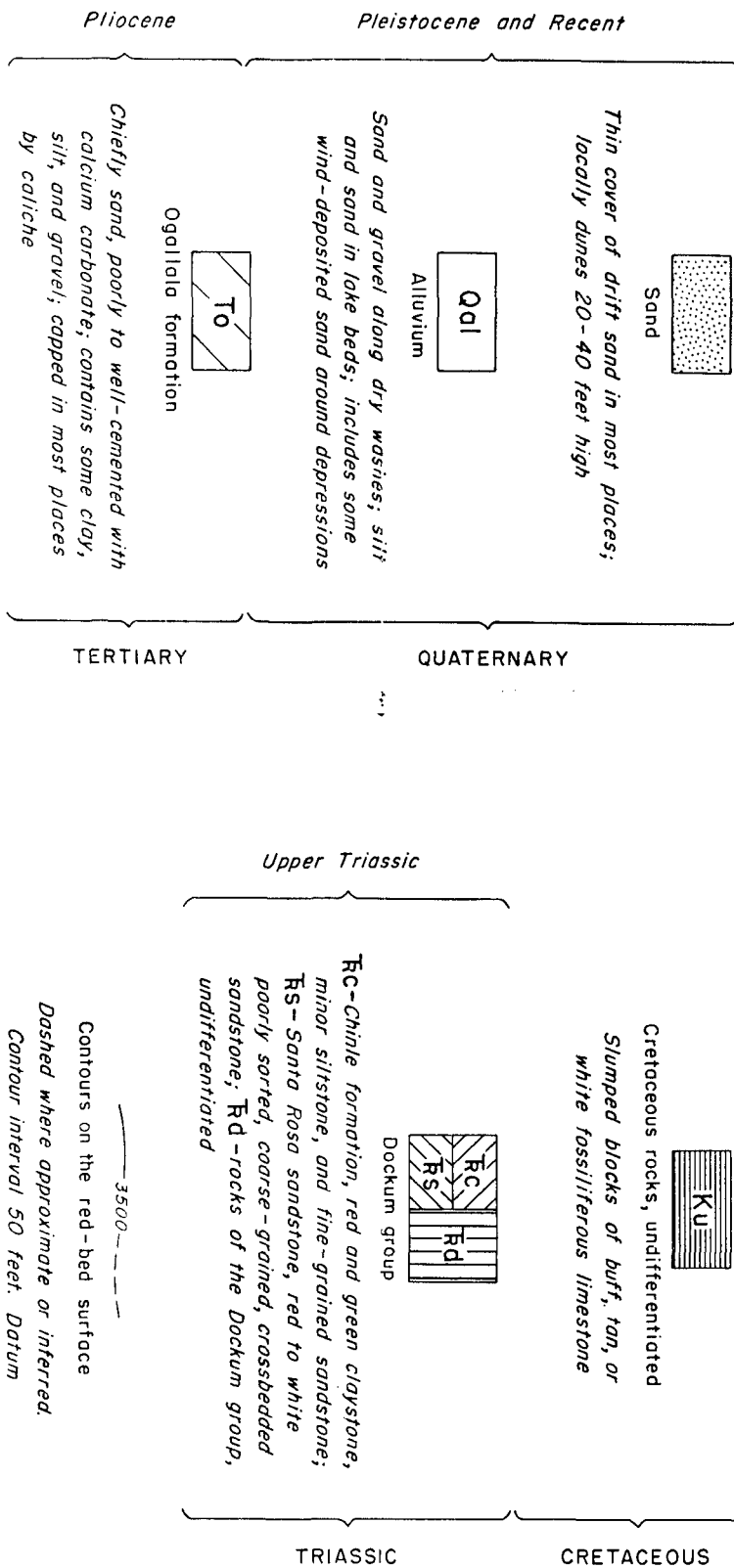
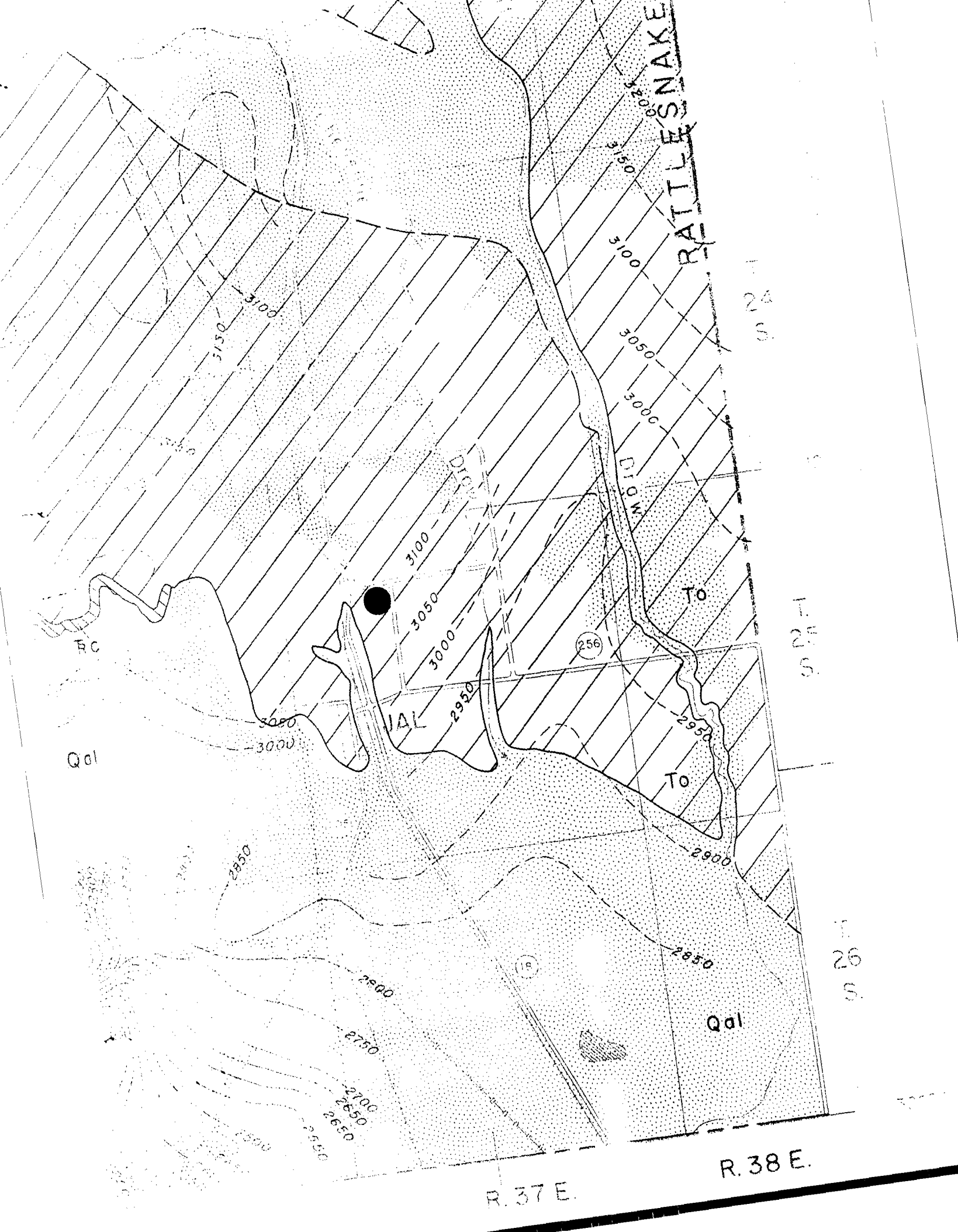


PLATE 1. GEOLOGIC MAP OF SOUTHERN LEA COUNTY, NEW MEXICO

EXPLANATION





EXPLANATION

$\frac{150}{252}$

Water well

Upper figure is depth to water; lower figure is depth of well. Open circles are wells finished in Tertiary or Quaternary rocks; solid circles are wells finished in Triassic rocks

F = Flowing
R = Reported
P = Water level measured while pumping
D = Dry
? = Uncertainty as to aquifer
> = More than
< = Less than
(See tables 6 and 7 for detailed well data.)

3925

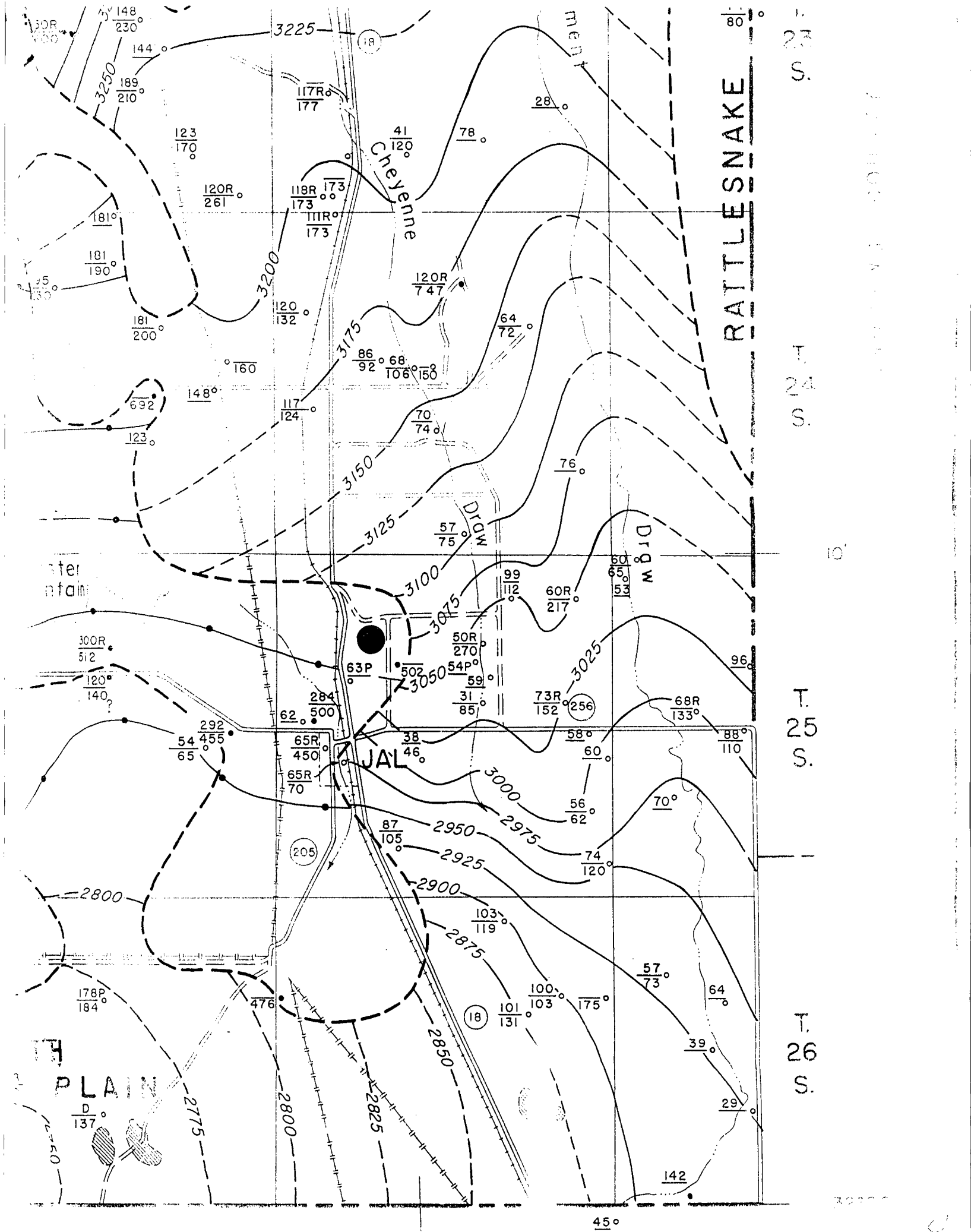
Water-table contour in Tertiary or Quaternary rocks

Dashed where inferred or uncertain.
Contour interval 25 feet. Datum mean sea level

Water-table or piezometric contour on water body in Triassic aquifers

Dashed where inferred or uncertain.
Contour interval 100 feet. Datum mean sea level

Approximate position of boundary between Triassic rocks and saturated Tertiary and Quaternary rocks





September 6, 2000
North of Jal, NM.



September 6, 2000
Taken from NE to SW.



September 6, 2000
Taken from NW to SE.



September 6, 2000
Taken from East to West.



September 6, 2000
Taken from North to South.



September 6, 2000
Taken from SE to NW.

Doom Landfarm, LLC
Photos submitted September 27, 2000

Page 2



September 6, 2000
Taken from SW to NE.



September 6, 2000
Taken from West to East.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

July 28, 2000

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFIED MAIL

RETURN RECEIPT NO. Z-559-573-340

Mr. Eddie Seay
Doom Landfarm
601 W. Illinois
Hobbs, NM 88242

**RE: Doom Landfarm
Commercial Landfarm Application Review
S/2 NE/4 and N/2 SE/4 of Section 5, Township 25 South, Range 37 East, NMPM, Lea
County, New Mexico**

Dear Mr. Seay:

The Oil Conservation Division (OCD) has received and is in the process of reviewing the above referenced application for a Rule 711 commercial surface waste management facility. The following comments and requests for additional information are based on review of Doom Landfarm application, dated April 3, 2000.

In order for the review process to continue the OCD requires Doom Landfarm to submit the additional information requested in Attachment 1. Submission of the 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. Kielling
Environmental Geologist

xc with attachments:

Hobbs OCD Office
Rebecca J. Doom, Operator

**ATTACHMENT 1
REQUEST FOR ADDITIONAL INFORMATION
JULY 28, 2000**

**DOOM LANDFARM
S/2 NE/4 and N/2 SE/4 of Section 5, Township 25 South, Range 37 East, NMPM,
Lea County, New Mexico**

1. Sections one, two, three, four and five (1,2, 3, 4 and 5) Application Form C-137.
 - A. Doom Landfarm has completed sections one, two, three, four and five (1,2, 3, 4 and 5).
2. Section six (6) Application Form C-137.
 - A. Facility Map: The facility map provided has identified three wells. Additional information is required concerning these or any other wells on location. Are the wells currently active or plugged and abandoned? Do these wells have any associated tanks or flow lines? Contaminated soils should not be placed within twenty (20) feet of any well pad or tank battery within the landfarm.

Doom Landfarm shall provide a map that shows all existing pipelines, wells, well pad, lease roads, dry hole markers and tank batteries within the proposed 160 acre landfarm boundary. In addition, please describe how the landfarm will be protected from potential spills and leaks from active wells, tanks or flow lines, for example buffer zones and or berming that will be constructed.
3. Sections seven, eight and nine (7, 8 and 9) Application Form C-137.
 - B. Doom Landfarm has completed sections seven, eight and nine (7, 8 and 9).
4. Section ten (10) Application Form C-137;
 - A. Closure Cost Estimate: The application included a closure plan cost estimate. The OCD has modified this closure cost estimate to include the New Mexico Gross Receipt Tax of .05625

Total Closure Cost of the Doom 160 acre Landfarm	
=	\$ 105,400.00
	\$ <u>5,929.00</u> NMGRT .05625
	\$ 111,329.00 Total Estimated Closure Cost

5. Section eleven (11) Application Form C-137.

- A. Geological Hydrological Evidence: Included with the permit application were two maps which were not clearly identified as to what was contoured and shaded. Copies of these maps are enclosed.

Doom Landfarm shall provide additional information regarding these maps. Please include a title, legend and any additional conclusions that Doom Landfarm wishes to make concerning these maps.

6. Section twelve (12) Application Form C-137.

- A. Public Notice: Doom Landfarm is required to notify landowners within one mile of the perimeter of the proposed facility. In addition, Doom Landfarm must publish public notice in the required newspaper and notify the county commission where the facility is proposed to be located.

Doom Landfarm has notified the landowners of record within one mile. A copy and proof of such notice (certified return receipt) has been provided to the OCD.

The OCD will write a notice for Doom Landfarm to be published in the newspaper upon receipt of the requested materials and upon review of a complete permit application.

Doom Landfarm has notified a county commissioner (W.H Brininstool). However, the county commission has not been notified. A copy and proof of such notice (certified return receipt) must be provided to the OCD.

7. Section Thirteen (13) Application Form C-137.

- A. Doom Landfarm has completed section thirteen (13).

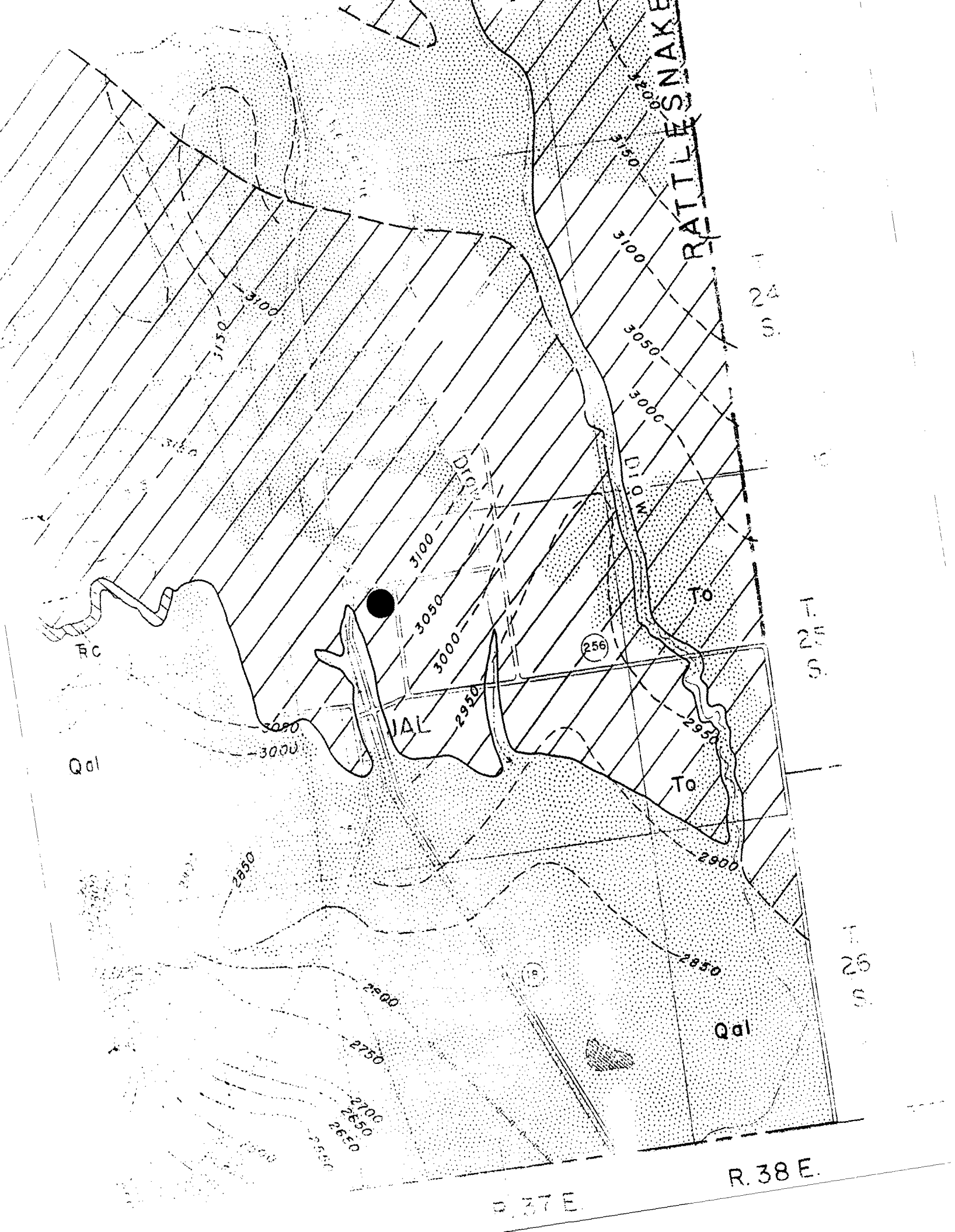
8. Section fourteen (14) Application Form C-137.

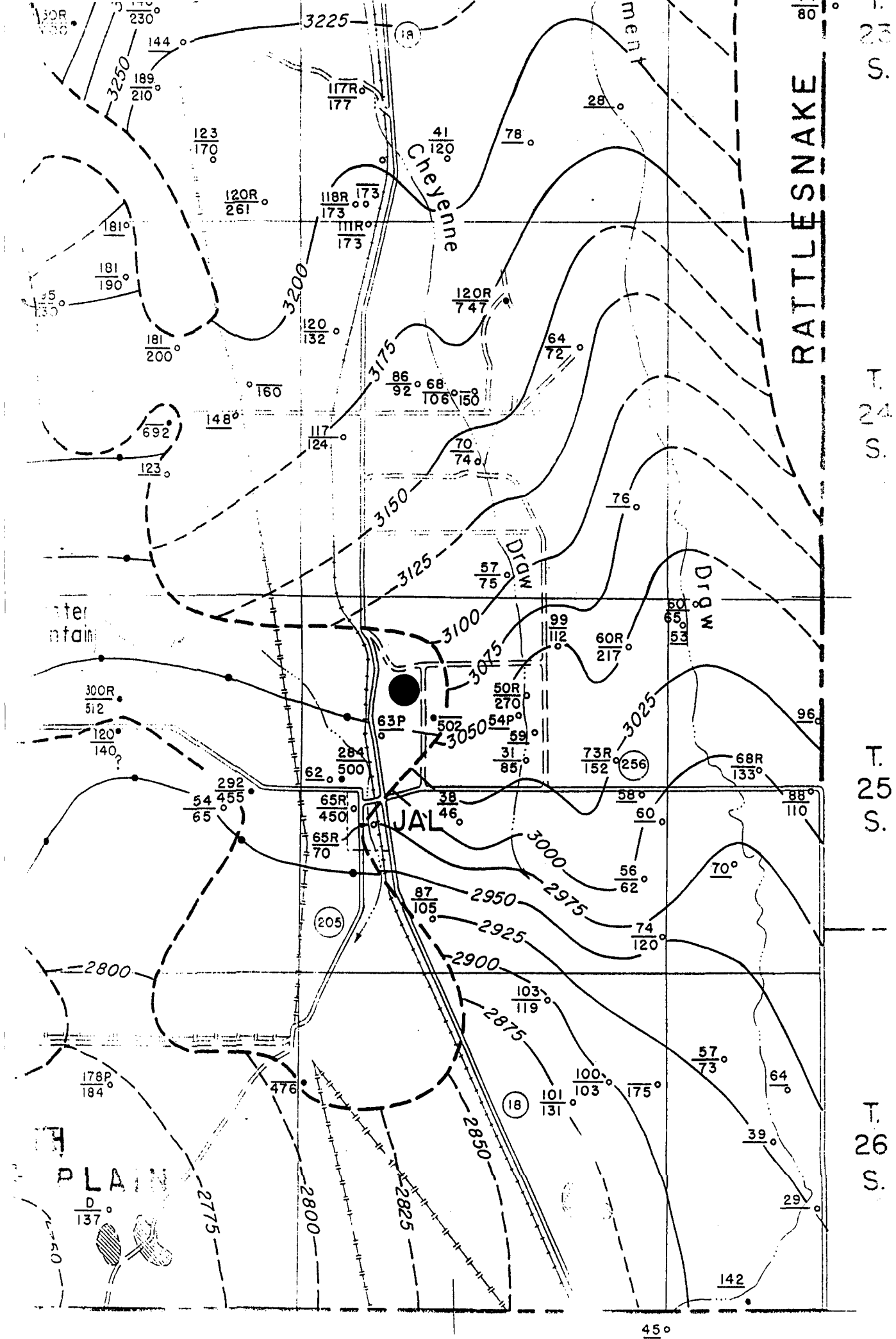
- A. Photos: Photographs should be taken that document the proposed facility location.

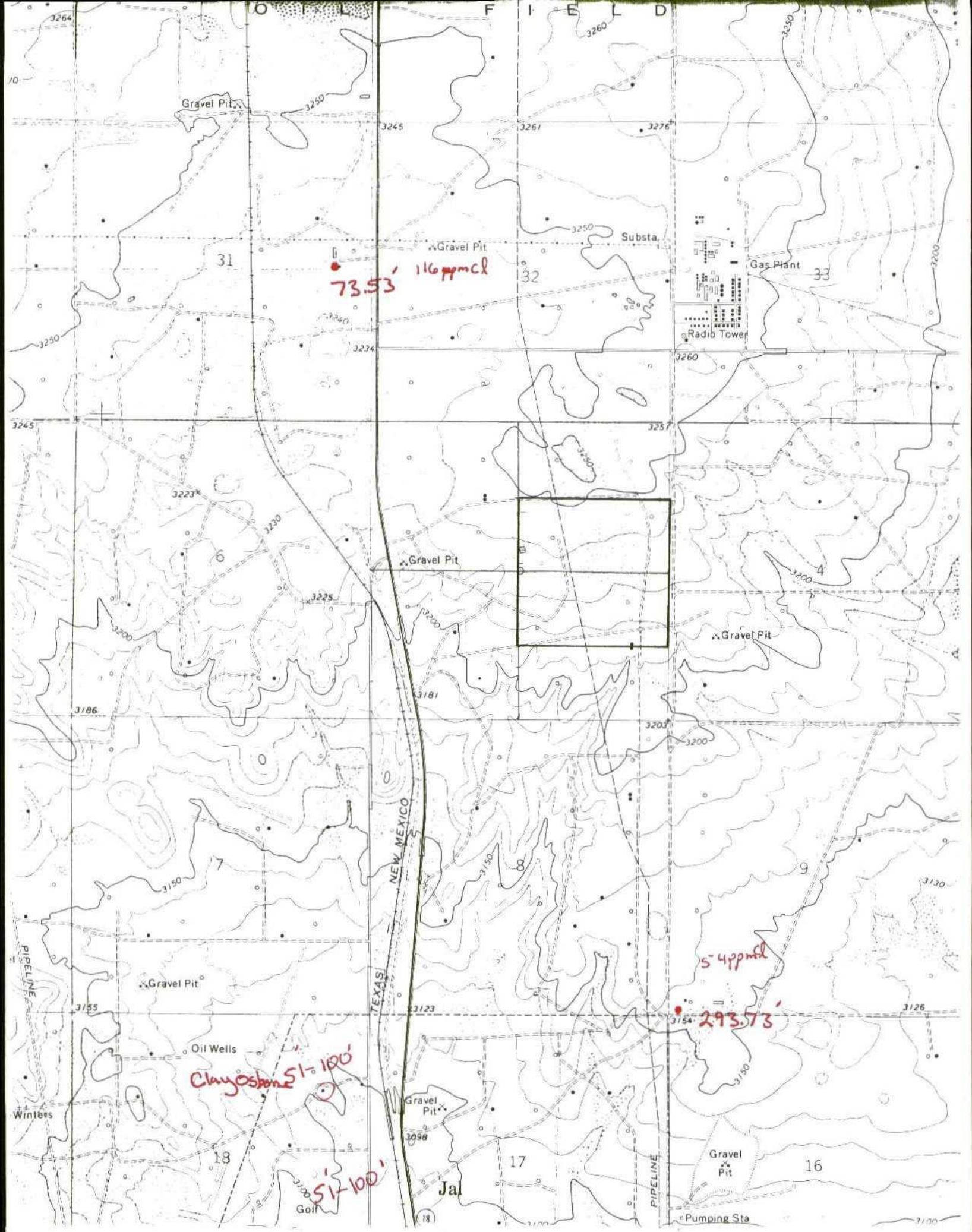
Doom Landfarm shall submit photographs of the proposed facility location. The photos should be labeled as to direction taken and any other pertinent information.

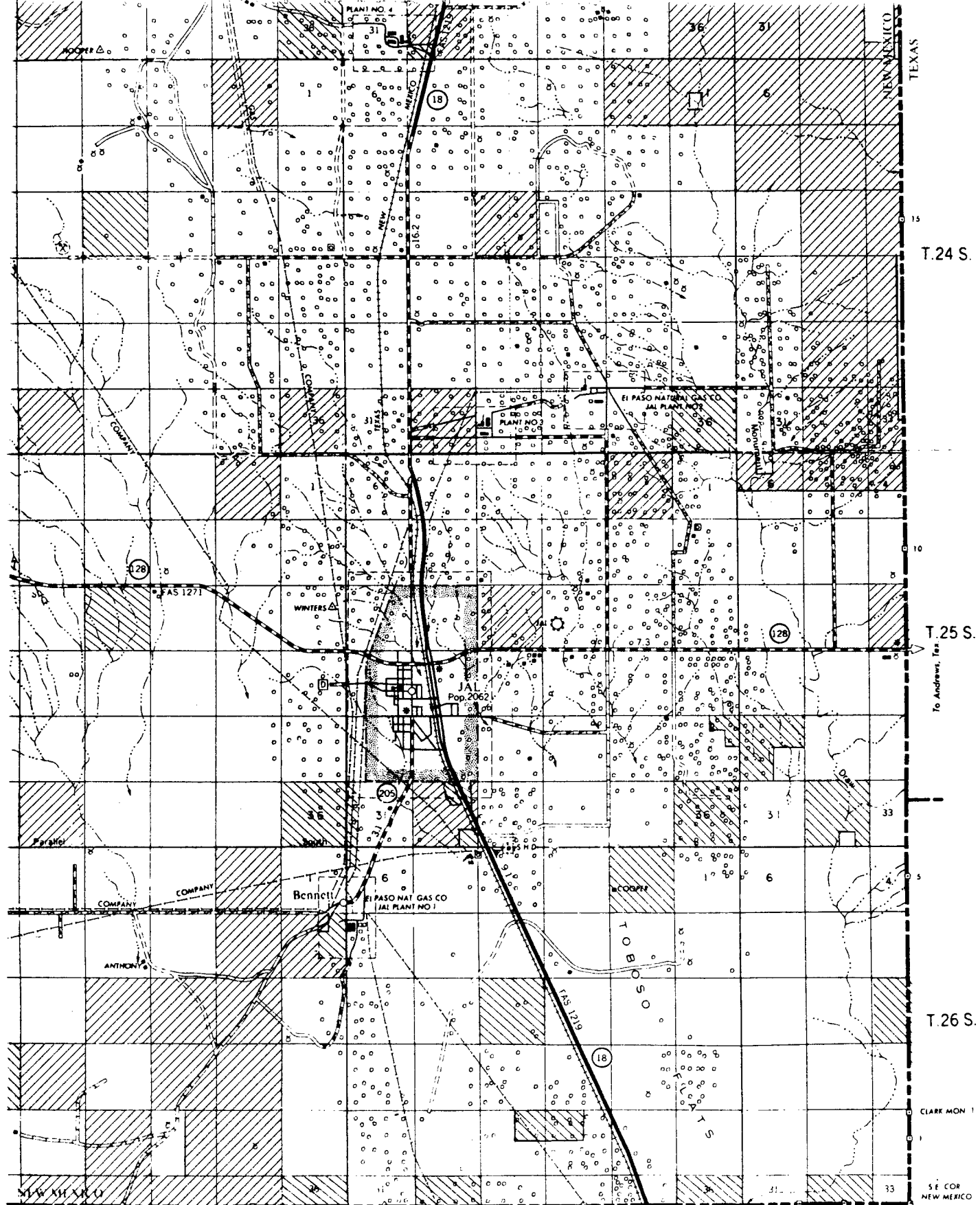
9. Section fifteen (15) Application Form C-137.

- A. Doom Landfarm has completed section fifteen (15).





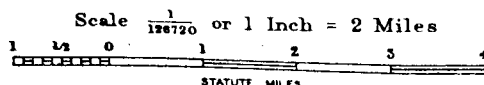




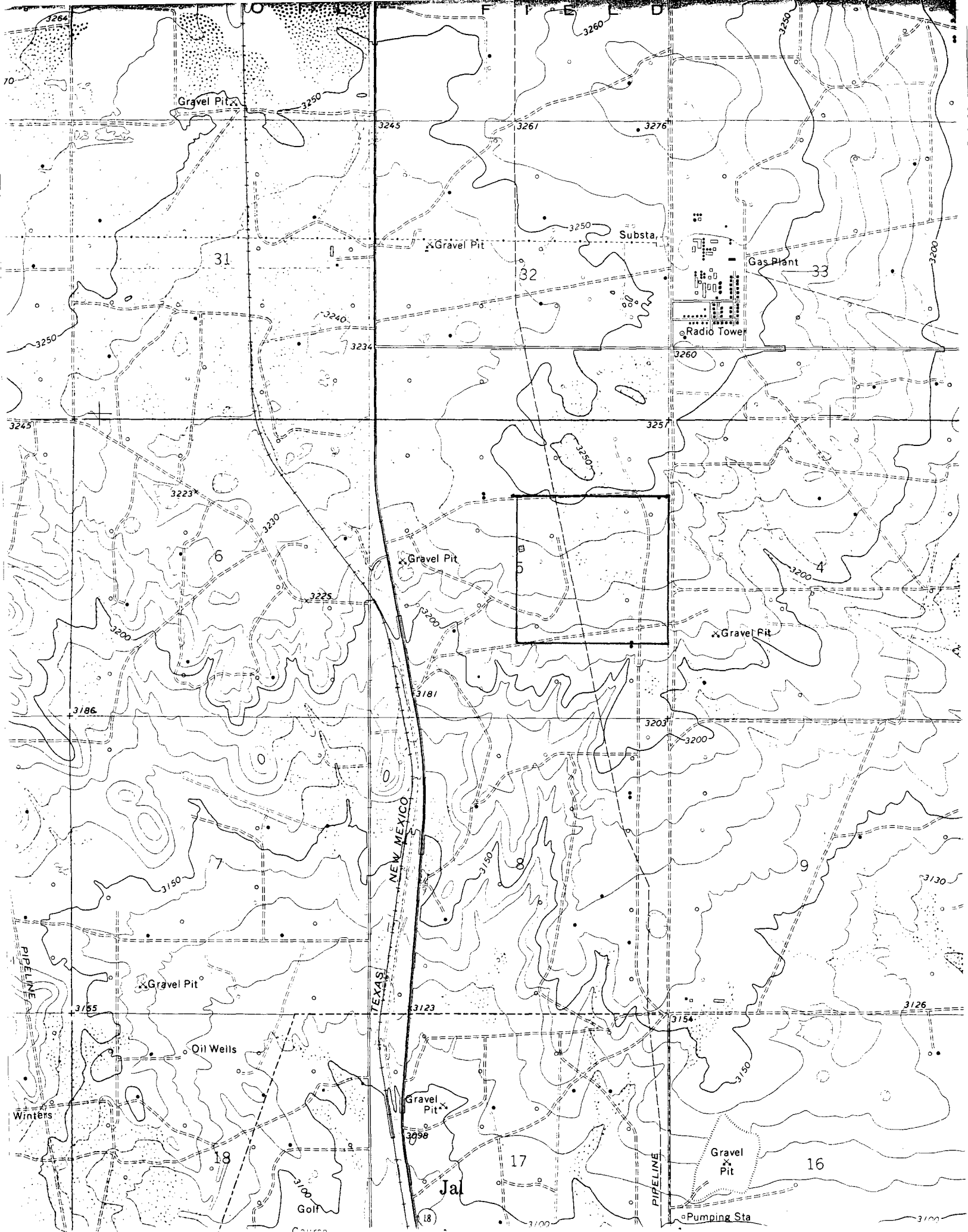
R.36 E.
Longitude West from Greenwich

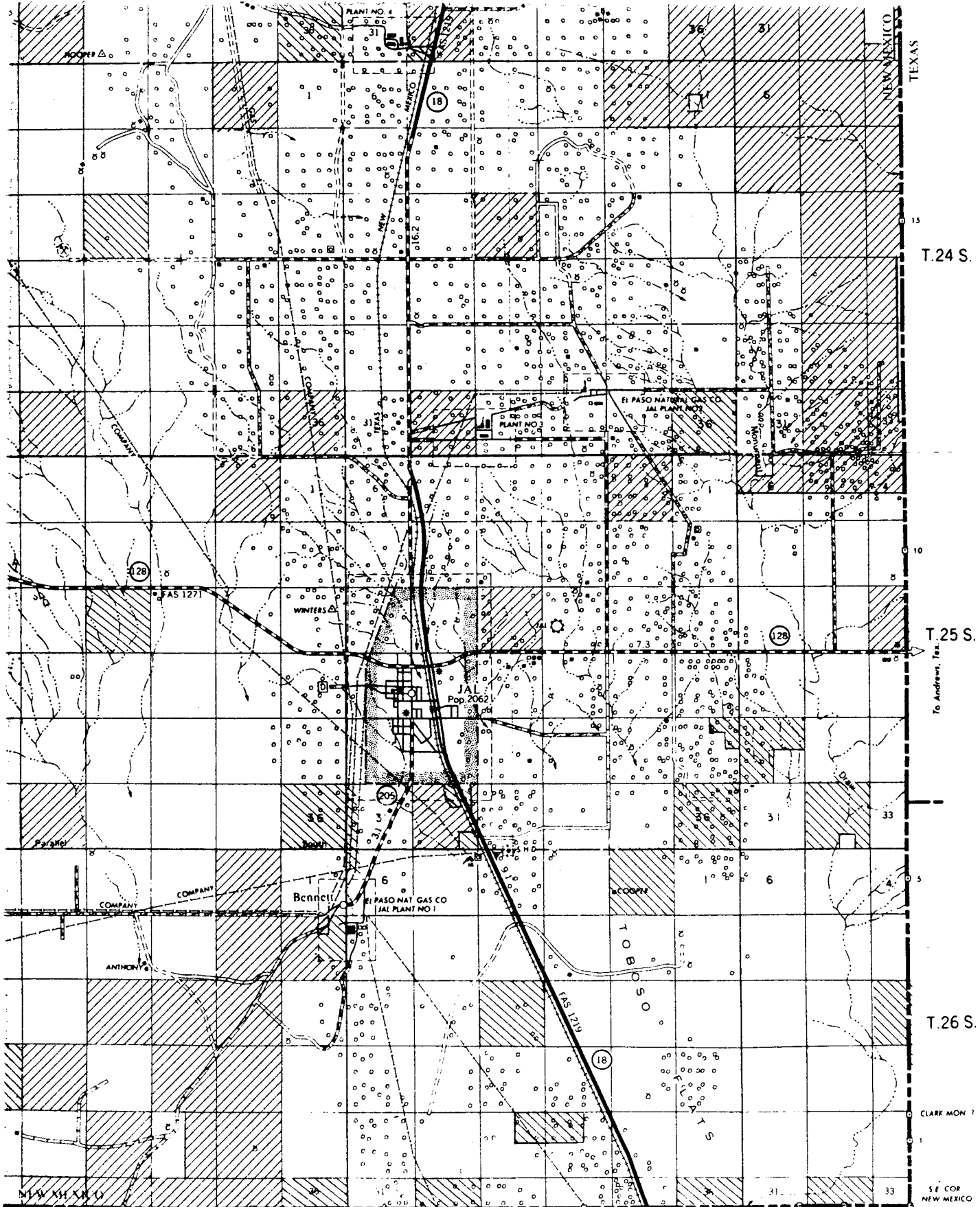
R.37 E.

R.38 E.



EUNIC
QUADRAN
120

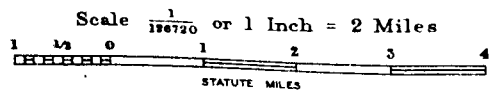




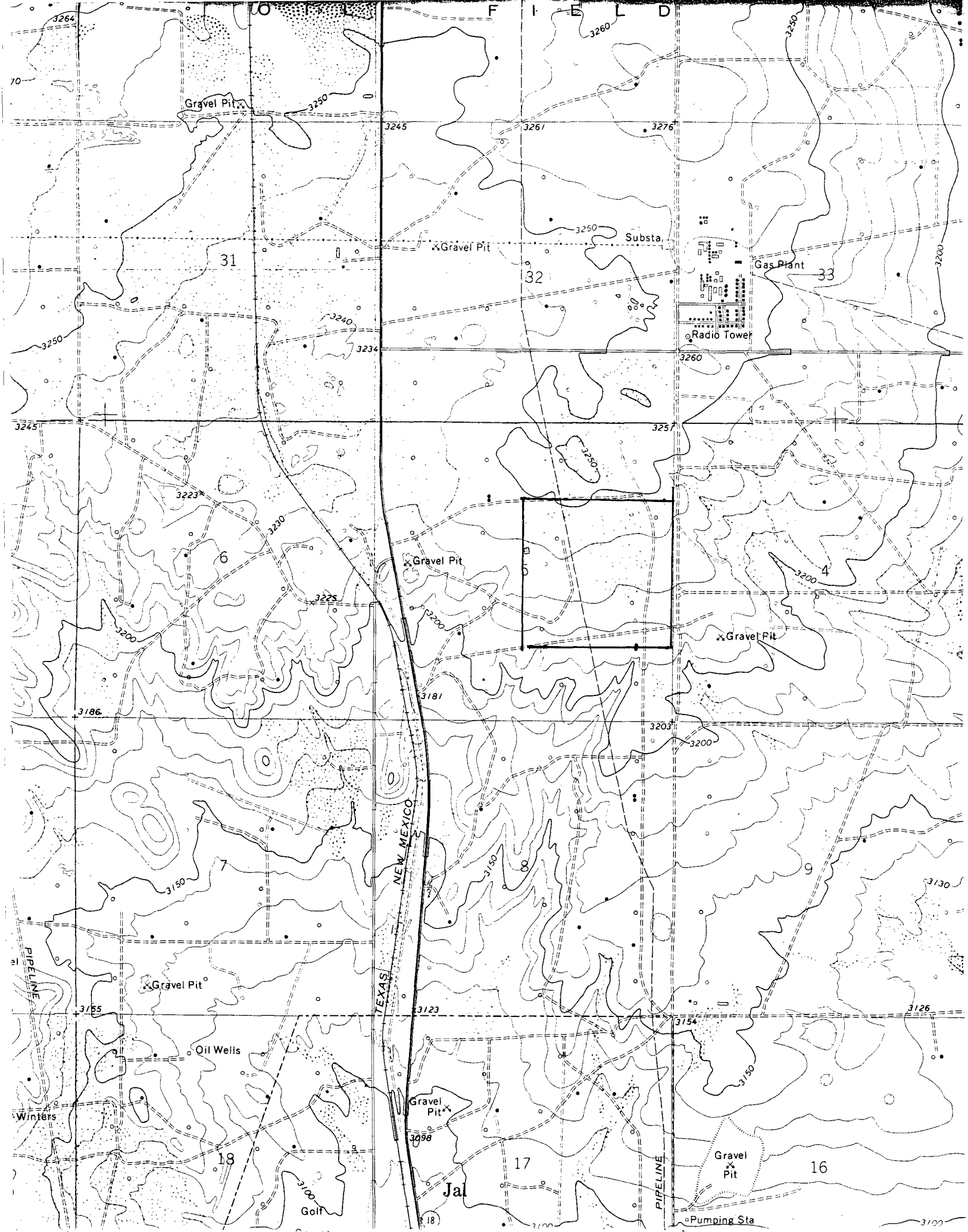
R.36 E.
Longitude West from Greenwich

R.37 E.

R.38 E.



EUNIC
QUADRANGLE
120



Kielling, Martyne

From: Kielling, Martyne
Sent: Thursday, July 27, 2000 12:57 PM
To: Martinez, Sally
Subject: For the Docket

Sally,

Here are two Notices to go into the Docket mailing. General statements that applications have been recieved for Surface Waste Management Facilities.



Docket.doc



Docket.doc

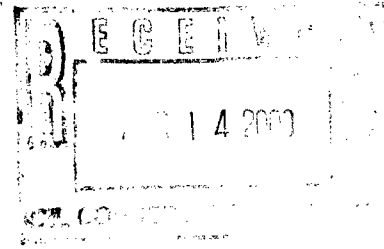
DD landfarm

Doom landfarm

Could you let me know the docket date that these will go into?

Thanks
Martyne

April 13, 2000



RECEIVED

APR 17 2000

Environmental Bureau
Oil Conservation Division

NMOCD Environmental Bureau
ATTN: Martyne J. Kieling
2040 South Pacheco
Santa Fe, NM 87505

RE: Doom Landfarm Permit

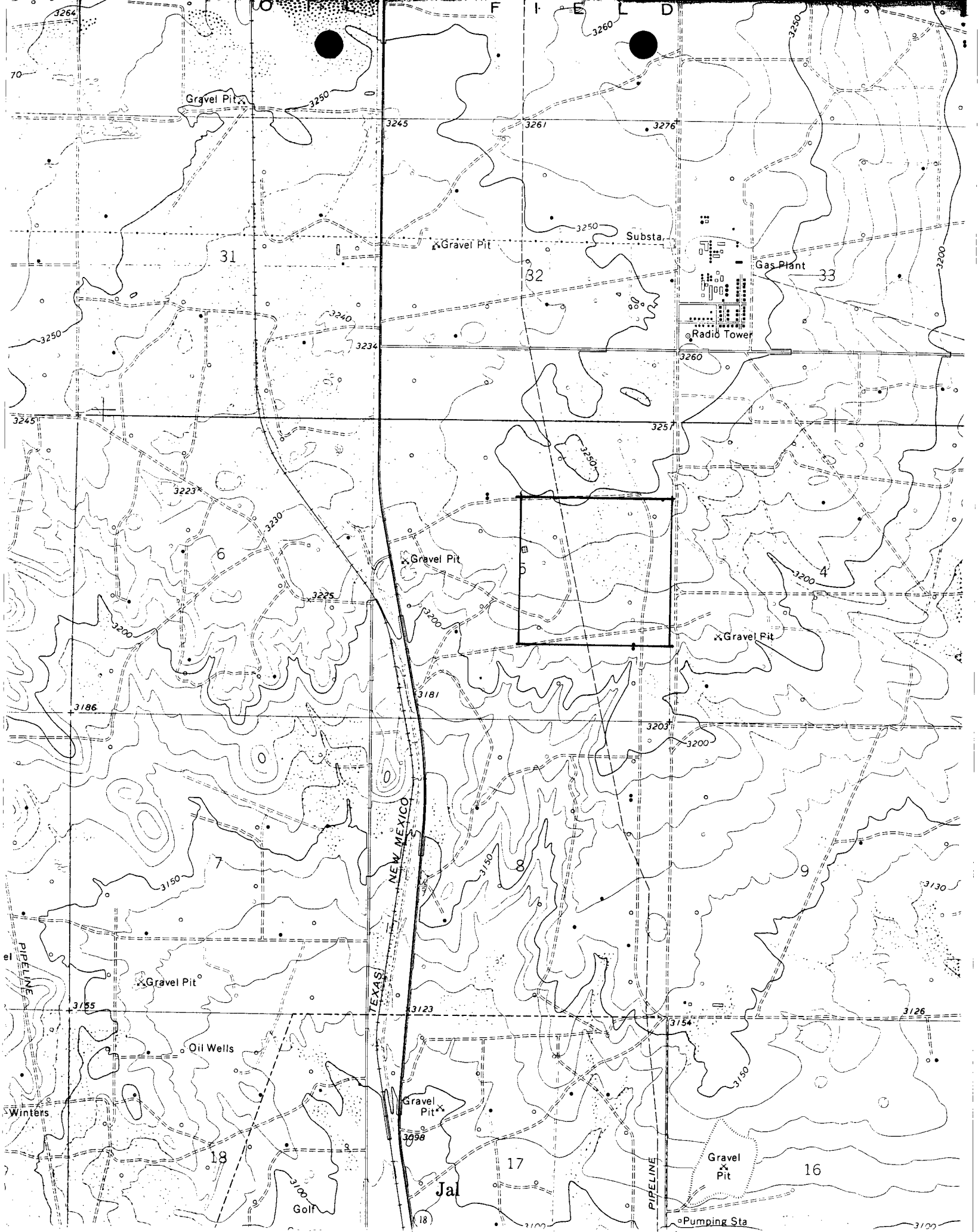
Dear Mrs. Kieling:

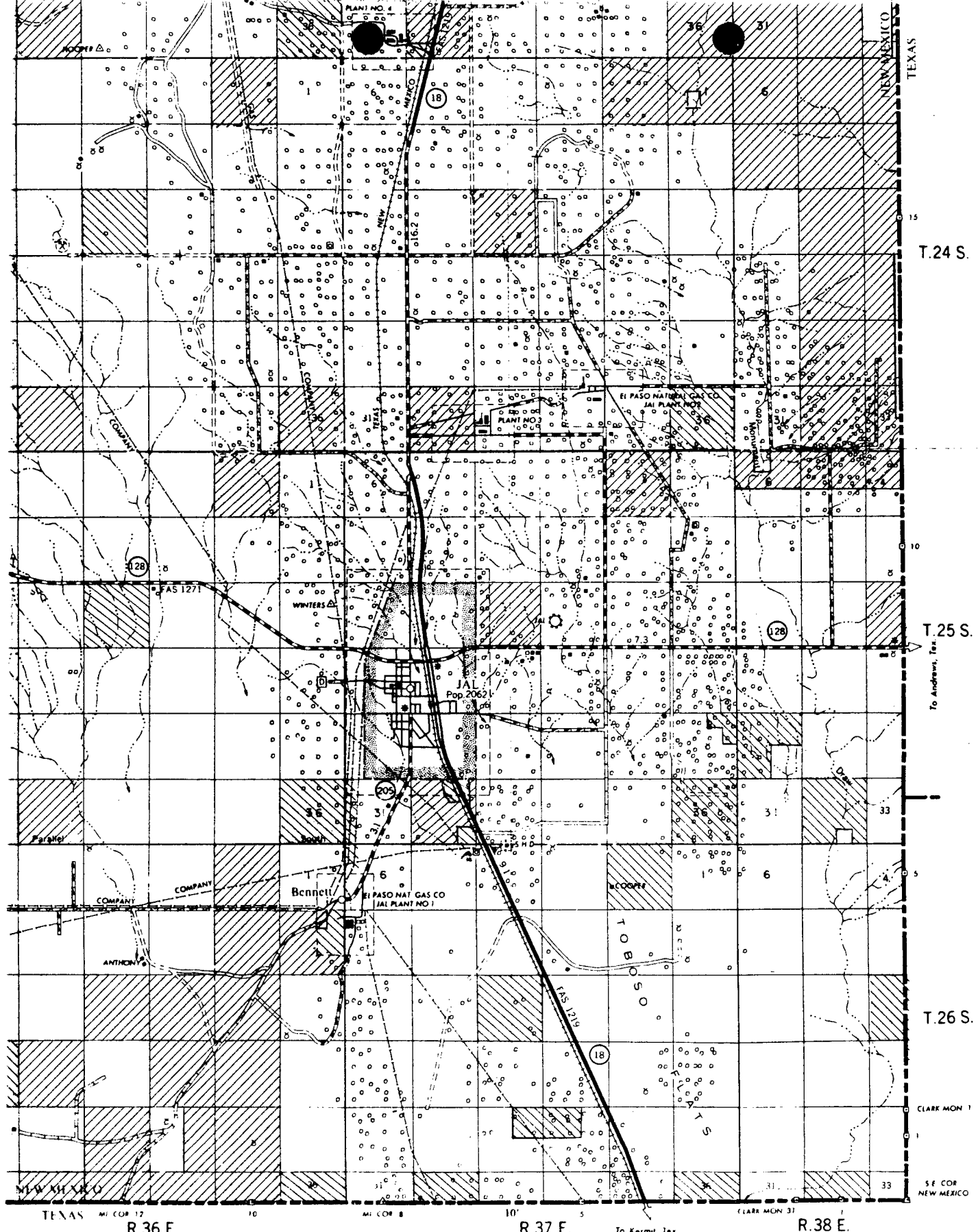
Find within application for a landfarm facility. All appropriate information is included with the original and a copy, with a copy sent to the OCD Hobbs office. If you have any questions or need additional information, please call.

Sincerely,

Eddie W Seay

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236





R.36 E.
Longitude West from Greenwich

R.37 E.

R.38 E.

Scale $\frac{1}{126720}$ or 1 Inch = 2 Miles



EUNIC
QUADRAN
120

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) 827-7131

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

Form C-137
Originated 8/8/95

RECEIVED
APR 17 2000
Environmental Bureau
Oil Conservation Division

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: Rebecca J. Doom (505) 395-2877
Address: Box 168 Jal, New Mexico 88252
Contact Person: Eddie W. Seay, Agent Phone: (505) 392-2236
3. Location: S 1/2 of NE 1/4 and N 1/2 of SE 1/4
4 Section 5 Township 25 Range 37 E.
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.
6. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.
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.
8. Attach a contingency plan for reporting and clean-up for spills or releases.
9. Attach a routine inspection and maintenance plan to ensure permit compliance.
10. Attach a closure plan.
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.
12. Attach proof that the notice requirements of OCD Rule 711 have been met.
13. Attach a contingency plan in the event of a release of H₂S.
14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations and orders.
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: Eddie W. Seay

Title: Agent

Signature: Eddie W. Seay

Date: April 3, 2000

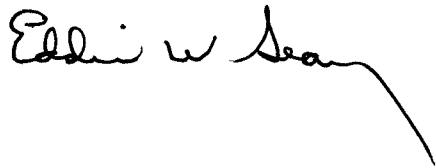
April 3, 2000

Dear Landowner:

Pursuant to the rules of the NMOCD, Doom Landfarm is seeking application with the New Mexico Oil Conservation Division to operate a commercial land treatment facility. The facility, a 160 acre tract of land, is located in the S 1/2 of NE 1/4 and N 1/2 of SE 1/4 of Section 5, Tws. 25, Range 36 E., Lea Co., New Mexico. The facility is seeking to remediate RCRA exempt and characteristically non-hazardous hydrocarbon contaminated soils associated with oil and gas production. The soils are remediated by spreading them on the ground surface in 6 in. lifts or less and periodically disking them to enhance natural remediation of the contaminants. The facility will be owned and operated by Rebecca Doom.

Any questions about the application may be directed to Eddie W. Seay, (505)392-2236 or 601 W. Illinois, Hobbs, NM 88242. Any protest or comments may be directed to the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, NM 87505, (505)827-7131, within 30 days.

Thank you,

A handwritten signature in cursive script that reads "Eddie W. Seay". The signature is written in dark ink and has a long, sweeping tail that extends downwards and to the right.

Eddie W. Seay, Agent

- 2) Doom Landfarm
Rebecca J. Doom
- 3) S 1/2 of NE 1/4 and N 1/2 of SE 1/4 of Section 5, Tws. 25, Range 37 E., Lea Co.
a 160 acre tract
- 4) No
- 5) Attachment - Landowners of Record within 1 mile.
- 6) The 160 acre proposed site will be operated according to OCD guidelines.
 - a) The entire facility will be fenced with 4 strain barbed wire.
 - b) A 100 ft. buffer zone will be maintained around the facility.
 - c) Berms will be installed around the site to direct runoff and run-on of rainwater.
These berms will be constructed 3 ft. wide x 2 ft. high, this should control and contain any moisture from a 100 yr. flood. Also, water will not be allowed to pond. Any excess rain will be vacuumed up and taken to an approved disposal.
 - d) All accesses and gates will be locked at all times.
 - e) Soils will only be allowed when Doom personnel are on location.
 - f) There are three pipelines running north and south on proposed site.
Northern Natural Gas, Texaco and GP II, all have lines buried approximately 3 ft. No landfarming will occur within 20 ft. of any pipeline and equipment will be allowed within 10 ft. All lines marked.
 - g) A sign will be posted at entrance and will detail all the OCD requirements, phone, permit no., name, etc.
- 7) Diagram within.
- 8) Doom will adhere to OCD Rule 116.
 - a) Report any accidental discharge by phone immediately.
 - b) Cleanup and/or remediate according to OCD policy.
 - c) File written reports as necessary.
- 9) Inspection and Maintenance Plan
 - a) The facility will be fenced and gates locked at all times. Personnel will be on location at all times when material is being hauled, and each load will be documented.
 - b) When and if any water accumulated on the property from rain, it will be vacuumed up and hauled to an approved OCD disposal.
 - c) Water may be added to the landfarm from time to time for dust control and to enhance remediation and will help keep any odor down, if that were to occur.
 - d) Berms will be inspected and maintained on a routine basis so as to prevent erosion, especially after rainfall or windstorm.

e) Because a landfarm is designed to remediate contaminated soils and not transfer contaminants into underlying native soil and/or groundwater, "Treatment Zone Monitoring" will be used at the facility. The treatment zone monitoring will consist of:

- 1) Test the background soil at the facility at a depth of 2 to 3 ft. The samples will be analyzed for TPH, BTEX, Cations/Anions and heavy metals using approved EPA methods.
- 2) A treatment zone not to exceed 3 ft. beneath the landfarm will be monitored. Samples will be taken from each cell on a quarterly schedule and analyzed for BTEX and TPH and for BTEX, TPH, Cations/Anions and heavy metals annually. All Sample holes will be filled with an impermeable material such as cement or bentonite. All test results will be submitted to the OCD in Santa Fe.
- 3) Only exempt oil and gas waste will be accepted at the landfarm unless special approval by OCD. The material accepted will have documentation as to where, what company, who delivered it and signed by an authorized company person. The material will be hauled in by truck, spread in 6 in. lifts and disked every other week.
- 4) A new lift may be added only after testing and approval from OCD.

10) Closure Plan: once Doom has stopped operations, it is estimated that it will take approximately two years to finish remediating what soils are left in the landfarm. We will continue to disk, test, and monitor until facility meets with OCD guidelines. After all criteria is met, the area will be leveled, contoured and seeded.

Closure cost for this two year period is as follows:

(Estimating that there will be 20-five acre cells in use at time of closure)

Analytical tests for 2 years	
BTEX - 8 quarters - \$40.00 x 20	\$ 6,400
TPH - 8 quarters - \$50.00 x 20	\$ 8,000
Metals - 2 years - \$200.00 x 20	\$ 8,000
Cations/Anions - 2 years - \$100.00 x 20	\$ 4,000

TOTAL	\$26,400

Quarterly sampling, time and labor for 20 cells

Labor at \$50.00 per hour

30 Minutes per cell

20 cells equals 10 hours per sampling event plus 1 hr. for report

11 hrs. x \$50.00 x 8 quarters

TOTAL	\$4,400
-------	---------

Disking for two years every two weeks
 Actual disking area approximately 100 acres (roads, buffer zone, pipeline, etc.)
 \$30.00 per hr. - 15 min. per acre
 100 acres x 15 min. x 52 weeks 2 years = 78000 min. = 1300 hrs.
 1300 hrs. x \$30.00 per hour

TOTAL disking & tilling \$39,000

Freshwater as needed
 \$120.00 per load
 \$120 x 12 loads x 10 events in two years

TOTAL \$14,400

Leveling and Contouring Landfarm
 D-6 dozer with operator \$75.00 per hr.
 \$75 x 160 acres

TOTAL \$12,000

Revegetation for 160 acres
 Tractor and drill \$30.00 per hr. at 15 min. per acre, 160 acres = \$1,200
 Seed cost & material
 \$10.00 per lb. at 5 lbs. per acre x 160 acres = \$8,000

TOTAL REVEGETATION \$ 9,200

TOTAL ESTIMATED CLOSURE COST WOULD BE = \$105,400

11) Geology - Hydrology

Geographically, the site is situated in the southeastern corner of Lea Co. in the Pecos Valley section of the Great Plains Physiographic Province at the southern edge of Eunice plains. The plain is a partially flat and featureless alluvial plain which slopes eastward at 20 ft. per mile. The entire area is underlain with caliche and is almost entirely covered with reddish brown dune sand.

Find within groundwater analysis and location. There is no groundwater found at the proposed site in Sect. 5.

12) Notice of requirement to offsets.

13) An open system such as a landfarm should not have an H2S problem. If H2S becomes a problem, proper testing and notification will be conducted.

14) Doom will adhere to all applicable rules and regulations pertaining to this permit.

NOTICE REQUIREMENT

W. H. Brininstool - Lea County Commissioner
P.O. Drawer A
Jal, NM 88252

C. D. Woolworth, Heirs
Box 178
Jal, NM 88252

Ronald M. Harrison
1120 Wilma
Tyler, TX 75701

Clara Jane Miller
Box 178
Jal, NM 88252

J. T. Crawford, Trust, et al
Drawer T
Jal, NM 88252

State Land Office
310 Old Santa Fe Trail
Box 1148
Santa Fe, NM 87514-1148

Geraldine and Clay Osborne
P.O. Box 1285
Jal, NM 88252

Johnny M. Owen
Box 1013
Jal, NM 88252

Gerald W. Doom - Listed Owners of Property
Daniel J. Doom
Rebecca J. Doom
HCR 68 Box 168
Jal, NM 88252

Z 577 008 101

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
W.H. Brininstool	
Street & Number	
Lea County Commissioner	
Post Office, State, & ZIP Code	
Jal, NM 88252	
Postage	\$ 33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

USPS

Z 577 008 102

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
C.D. Woolworth, Heirs	
Street & Number	
Box 178	
Post Office, State, & ZIP Code	
Jal, NM 88252	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

USPS

Z 577 008 103

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Ronald M. Harrison	
Street & Number	
1120 Wilma	
Post Office, State, & ZIP Code	
Tyler, TX 75701	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

USPS

Z 577 008 104

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Clara Jane Miller	
Street & Number	
Box 178	
Post Office, State, & ZIP Code	
Jal, NM 88252	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

USPS

Z 577 008 105

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to J.T. Crawford, Trust, et al	
Street & Number Drawer T	
Post Office, State, & ZIP Code Jal, NM 88252	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

Z 577 008 106

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to State Land Office	
Street & Number 310 Old Santa Fe Trail	
Post Office, State, & ZIP Code Box 1148	
Santa Fe, NM 87514-1148	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

Z 577 008 107

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Geraldine and Clay Osborne	
Street & Number Box 1285	
Post Office, State, & ZIP Code Jal, NM 87252	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

Z 577 008 108

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Johnny M. Owen	
Street & Number Box 1013	
Post Office, State, & ZIP Code Jal, NM 87252	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800, April 1995

Z 577 008 109

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

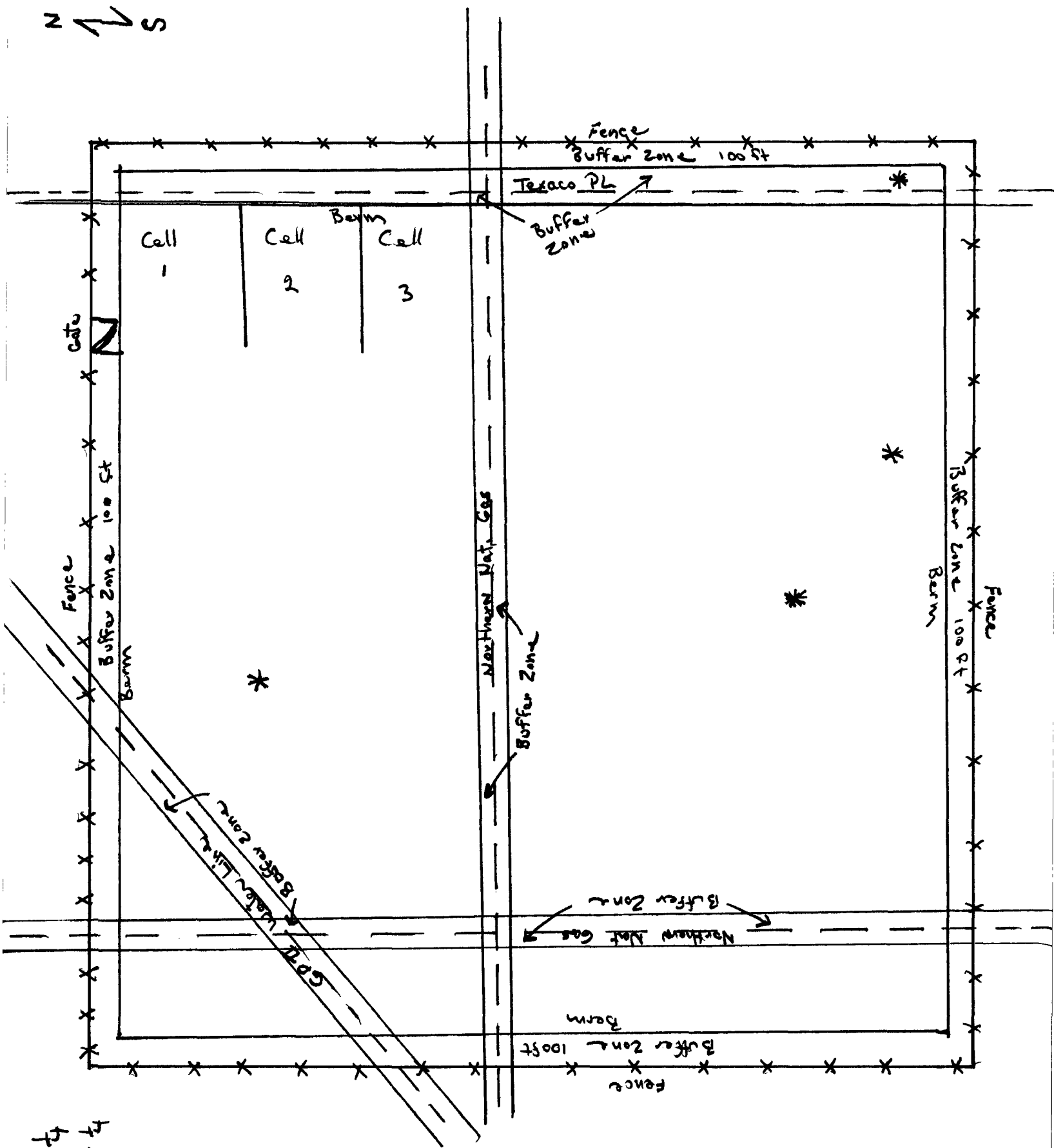
Do not use for International Mail (See reverse)

Sent to	
Gerald W. Doom,	
Shane J. Doom	
Rebecca J. Doom	
Post Office, State, & ZIP Code	
HCR 68 Box 168	
Jal NM 87252	
Postage	\$.33
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	\$
TOTAL Postage & Fees	\$ 2.98
Postmark or Date	

PS Form 3800 April 1995

USPS

2 1 5



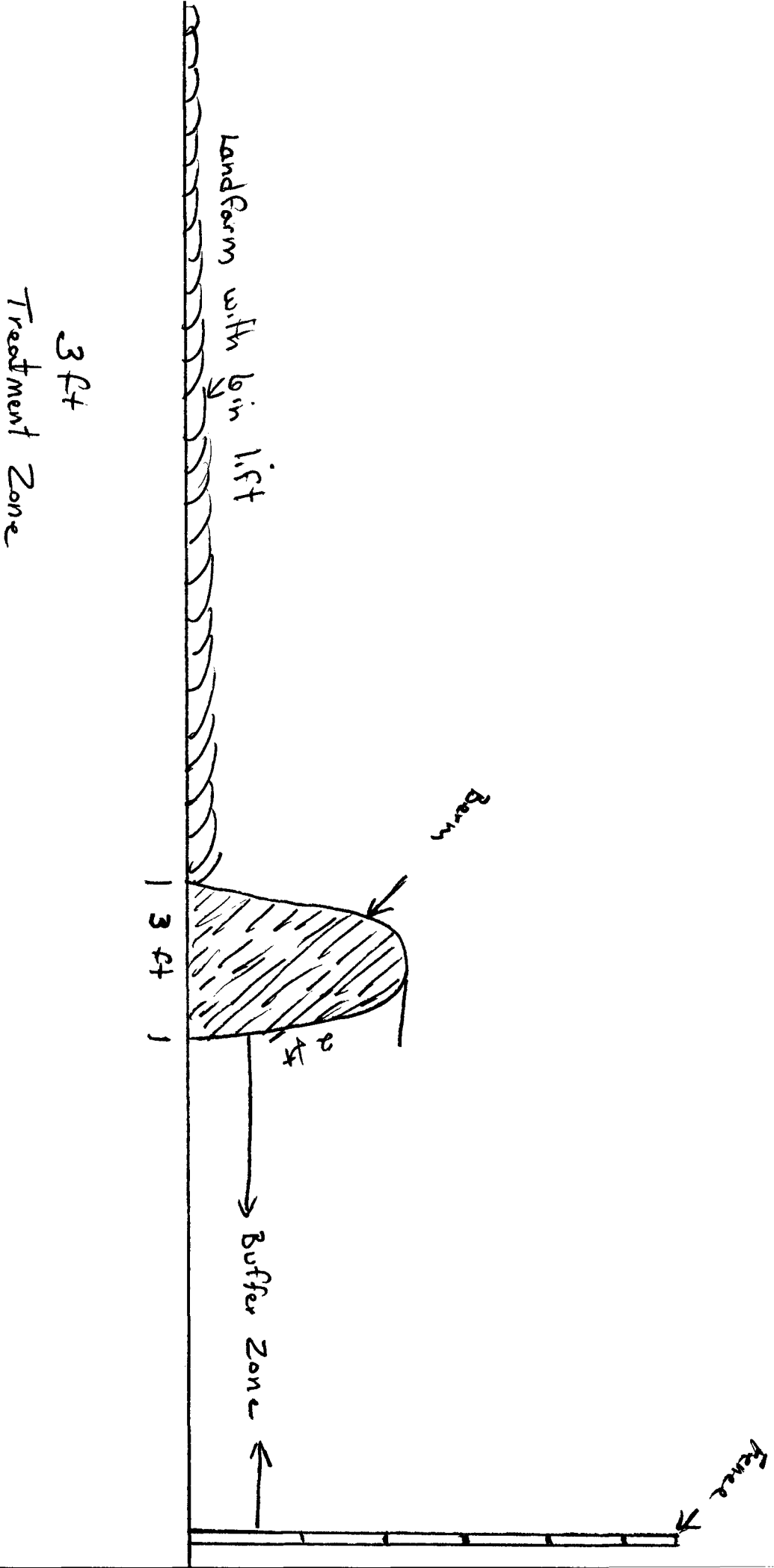
$\frac{1}{2} \text{ NE } 4$
 $\frac{1}{2} \text{ SE } 9$

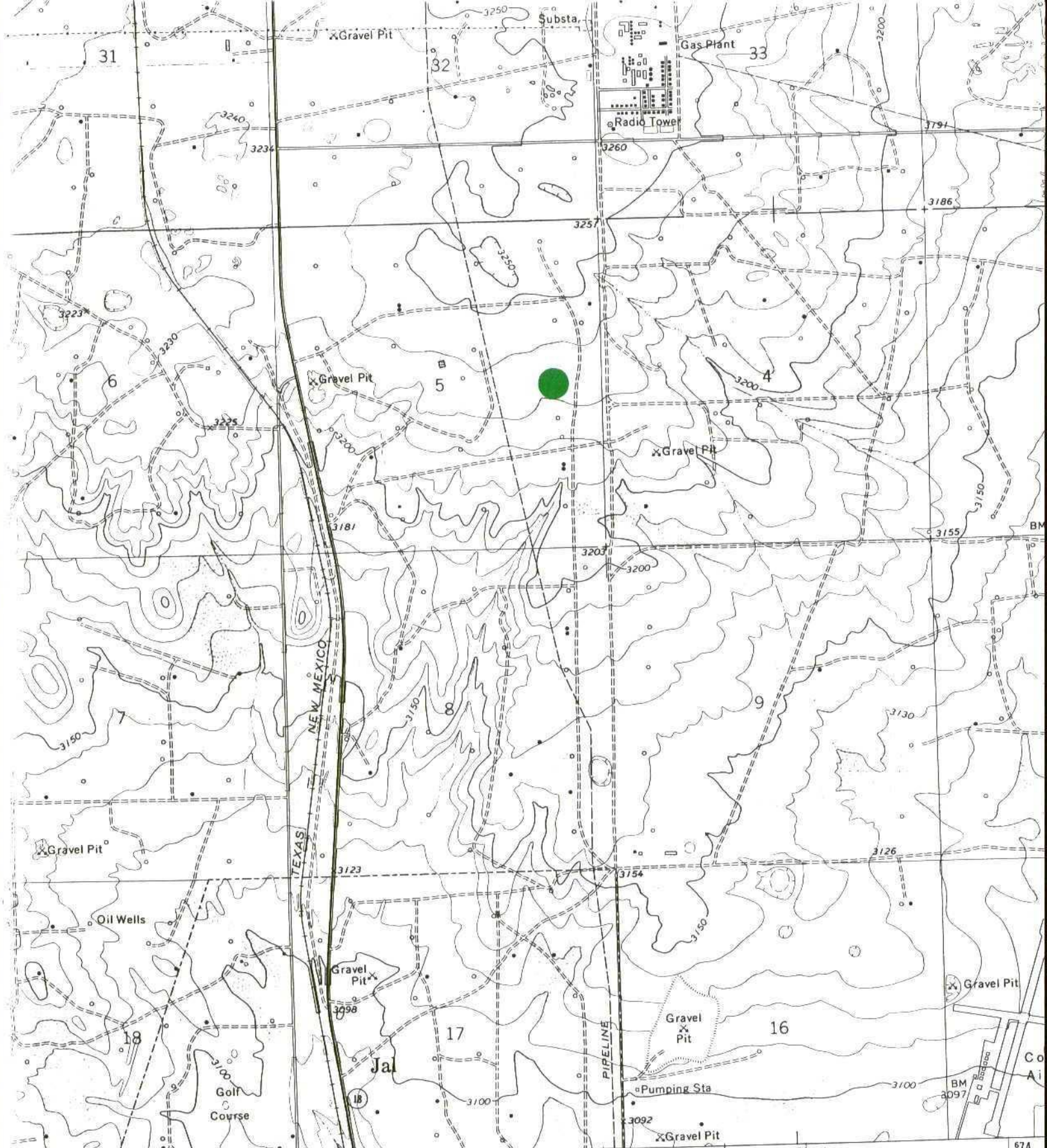
5 Sat

* wells

Doom Landfarm

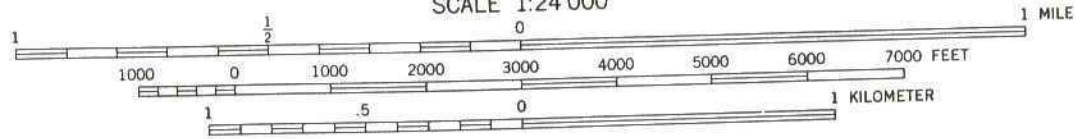
Cross Section





10° 37' E. 670 KERMIT, TEX. 20 MI. (JAL) 672 MONAHANS, TEX. 42 MI. 5348 II SW 10° 673 674

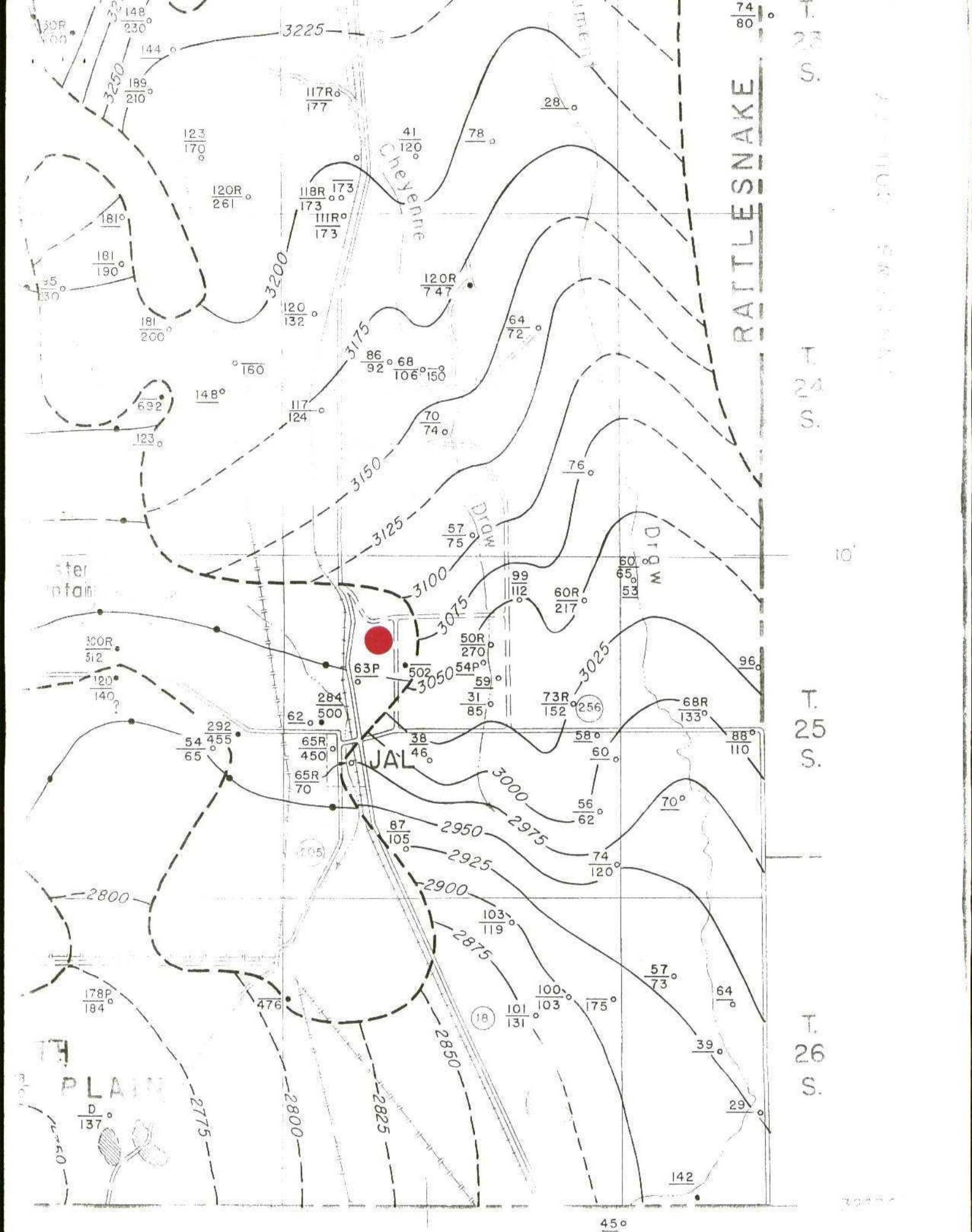
SCALE 1:24 000

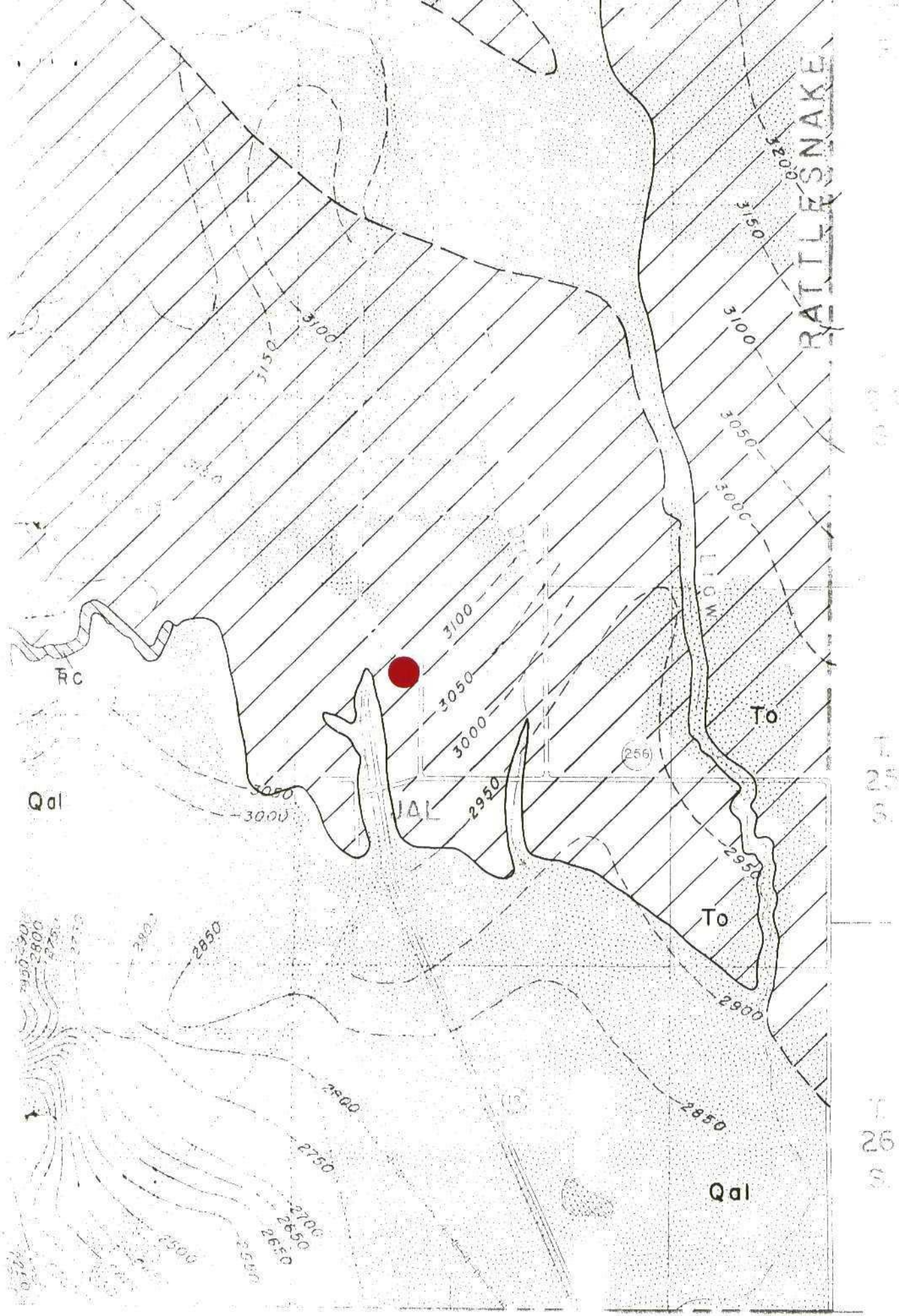


CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929









R. 37 E

R. 38 E.

STATE ENGINEER CHEMICAL QUALITY OF WATER
LISTING BY LOCATION

	LOCATION	DATE COLLECTED	CHLORIDE mg/L	CONDUCT M-MHDS	TEMP DEG	WBF	BASIN FILE	REFE FI
2								
3	25S 36E 24 31231	10/26/72	62	1280		TRS	CP	
4	25S 36E 24 31231	10/06/76	50	1028	72F	TRS	CP	
5	25S 36E 24 31231	12/14/77	50	1017	69F	TRS	CP	
6								
7	25S 36E 33 33323	05/17/66	80	1065	72F	TRC	CP	
8	25S 36E 33 33323	12/15/77	63	1074	68F	TRC	CP	
9	25S 36E 33 33323	12/20/79	66	990	68F	TRC	CP	
10	25S 36E 33 33323	11/09/84	58	1060	69F	TRC	CP	
11								
12	25S 37E 01 31144	10/20/65	52	690	70F	GAL	CP 00364	X3
13	25S 37E 01 31144	06/08/77	2424	6186	70F	GAL	CP 00364	X3
14	25S 37E 01 31144	12/06/79	1506	5118	68F	GAL	CP 00364	X3 CP 0
15	25S 37E 01 31144	12/06/84	42	704		GAL	CP 00364	X3
16								
17	25S 37E 02 314333	10/20/65	76	810	70F	GAL	CP	
18								
19	25S 37E 02 34444	10/27/77	270	1330	70F	GAL	CP	
20								
21	25S 37E 02 44110	10/20/77	998	3630	71F	GAL	CP 00364	X2
22	25S 37E 02 44110	12/05/84	254	1332		GAL	CP 00364	X2
23	25S 37E 02 44110	11/02/84	258	1340		GAL	CP 00364	X2
24								
25	25S 37E 03 112412	10/27/77	64	612		GAL	CP	
26								
27	25S 37E 03 142231	09/08/76	234	790		GAL	CP 00300	
28	25S 37E 03 142231	09/18/77	227			GAL	CP 00300	
29	25S 37E 03 142231	10/13/77	222	1892		GAL	CP 00300	
30	25S 37E 03 142231	10/13/77	249			GAL	CP 00300	
31								
32	25S 37E 03 23244	10/13/77	880	3477		GAL	CP	
33								
34	25S 37E 03 242141	09/01/76	604	1220		GAL	CP 00299	
35	25S 37E 03 242141	09/08/76	604	1020		GAL	CP 00299	
36	25S 37E 03 242141	09/18/77	625			GAL	CP 00299	
37	25S 37E 03 242141	10/12/77	554			GAL	CP 00299	
38	25S 37E 03 242141	10/14/77	864	4659		GAL	CP 00299	
39	25S 37E 03 242141	12/06/79	566	2629	67F	GAL	CP 00299	
40								
41	25S 37E 03 243133	03/27/78	738			GAL	CP	
42	25S 37E 03 243133	03/28/78	695			GAL	CP	
43								
44	25S 37E 03 444443	10/27/77	128	1146		GAL	CP	
45	25S 37E 03 444443	10/28/77	330	1710	69F	GAL	CP	
46								
47	25S 37E 09 333422	02/30/68	4040			TRS	CP 00377	
48	25S 37E 09 333422	06/08/77	52	1177	70F	TRS	CP 00377	
49	25S 37E 09 333422	12/05/84	54	1331		TRS	CP 00377	
50								
51	25S 37E 10 214112	10/31/77	440	2056		GAL	CP	
52	25S 37E 10 214112	11/01/77	290	1693	69F	GAL	CP	
53								
54								
55								
56								
57								

STATE ENGINEER CHEMICAL QUALITY OF WATER
LISTING BY LOCATION

	LOCATION	DATE COLLECTED	CHLORIDE mg/L	CONDUCT M-MHOS	TEMP DEG	WBF	BASIN FILE	REFERENCE
2	24S 37E 34 14400	10/11/77	1704	5537		GAL	CP	
5	24S 37E 34 213321	05/02/78	625			GAL	CP	
6	24S 37E 34 213321	05/02/78	284			GAL	CP	
7	24S 37E 34 213321	05/02/78	709			GAL	CP	
8	24S 37E 34 213321	05/02/78	369			GAL	CP	
10	24S 37E 34 234112	10/26/77	795	3505		GAL	CP	
12	24S 37E 34 312322	10/26/77	99	831		GAL	CP	
13	24S 37E 34 312322	10/27/77	110	1035	70F	GAL	CP	
15	24S 37E 34 41000	10/11/77	1548	5217		GAL	CP	
17	24S 37E 34 42413	10/14/77	383	1726		GAL	CP	
18	24S 37E 34 42413	10/14/77	373	1863		GAL	CP	
20	24S 37E 34 424423	11/01/77	90	713	69F	GAL	CP	
22	24S 37E 34 43243	9/08/76	604	1020		GAL	CP	00312
24	24S 37E 34 43244	10/13/77	270			GAL	CP	
25	24S 37E 34 43244	10/13/77	767	4722		GAL	CP	00312
26	24S 37E 34 43244	10/14/77	809			GAL	CP	00312
28	24S 37E 34 434430	10/15/65	436	2580		GAL	CP	00298
29	24S 37E 34 434430	09/08/76	1072	1200		GAL	CP	00298
30	24S 37E 34 434430	09/18/77	603			GAL	CP	00298
31	24S 37E 34 434430	10/12/77	1179			GAL	CP	00298
32	24S 37E 34 434430	10/13/77	1158	5164		GAL	CP	00298
34	24S 37E 34 44124	10/12/77	405	1802		GAL	CP	
35	24S 37E 35 11324	10/13/77	99			GAL	CP	
36	24S 37E 35 11324	10/13/77	103	1105		GAL	CP	
38	24S 37E 35 13324	10/12/77	156	1150		GAL	CP	
40	24S 37E 35 31314	10/13/77	327	1504		GAL	CP	
43	24S 37E 35 313334	06/25/76	770	1600		GAL	CP	
44	24S 37E 35 313334	10/00/76	781	1200		GAL	CP	
45	24S 37E 35 313334	09/18/77	831			GAL	CP	
47	24S 37E 35 331112	10/13/77	831	3730		GAL	CP	
48	24S 37E 35 331112	10/13/77	795			GAL	CP	
49	24S 37E 35 331112	10/17/84	562	1103		GAL	CP	
51	24S 37E 35 331324	10/29/77	582	2093		GAL	CP	
52	24S 37E 35 331324	11/01/77	550	2018	69F	GAL	CP	

STATE ENGINEER CHEMICAL QUALITY OF WATER
LISTING BY LOCATION

LOCATION	DATE COLLECTED	CHLORIDE mg/L	CONDUCT M-MHOS	TEMP DEG	WDF	BASIN FILE	REF
24S 37E 27 34411	10/07/77	951	3865		GAL	CP	
24S 37E 27 344111	08/29/78	532	2638		GAL	CP	
24S 37E 27 344111	08/29/78	268	1358		GAL	CP	
24S 37E 27 344333	03/27/78	2016			GAL	CP	
24S 37E 27 344333	03/27/78	2113			GAL	CP	
24S 37E 27 41333	10/07/77	43	540		GAL	CP	
24S 37E 27 43140	10/13/77	99			GAL	CP	
24S 37E 27 43140	10/13/77	108	1156		GAL	CP	
24S 37E 28 241444	10/21/77	529	2770	69F	GAL	CP	
24S 37E 28 241444	10/27/77	20	273	69F	GAL	CP	
24S 37E 28 24213	10/14/65	77	885	68F	GAL	CP	
24S 37E 28 42422	10/14/65	132	1865	73F	TRS	CP 00132 X	CP
24S 37E 28 42422	08/19/77	5322	17939		TRS	CP 00132 X	CP
24S 37E 28 424241	11/01/77	560	2727	67F	GAL	CP 00501	
24S 37E 28 424241	10/17/84	512	2681	64F	GAL	CP 00501	
24S 37E 28 433330	10/14/65	77	1305	78F	TRS	CP 00132 X2	CP
24S 37E 31 243444	10/22/65	116	1065	69F	TDO	CP	
24S 37E 34 12121	10/06/77	611	2843		GAL	CP	
24S 37E 34 121432	03/27/78	1235			GAL	CP	
24S 37E 34 121432	03/27/78	1206			GAL	CP	
24S 37E 34 12342	10/06/77	1179	4216		GAL	CP	
24S 37E 34 12342	10/06/77	1181	4977		GAL	CP	
24S 37E 34 124111	03/27/78	1278			GAL	CP	
24S 37E 34 124111	03/28/78	1021			GAL	CP	
24S 37E 34 124231	05/01/78	909			GAL	CP	
24S 37E 34 124231	05/01/78	312			GAL	CP	
24S 37E 34 124321	05/02/78	922			GAL	CP	
24S 37E 34 124321	05/02/78	454			GAL	CP	
24S 37E 34 124421	05/02/78	426			GAL	CP	
24S 37E 34 124421	05/02/78	170			GAL	CP	
24S 37E 34 124421	05/02/78	355			GAL	CP	
24S 37E 34 124421	05/02/78	142			GAL	CP	

TEMP02

09/10/99

Sltn	Slrng	Slsec	Spotloc	Waterlevl1
24				
37				
31				
		243442		73.53
34				
		121432		47.34
		124321		48.65
		124421		51.65
		213321		50.71
		241112		74.80
		244114		81.48
		244433		83.16
		412331		54.49
		421231		78.04
		424244		79.10
		43244		55.99
		43443		47.45
25				
37				
9				
		333422		293.73