

FINAL REPORT

J. Johnson

ENVIRONMENTAL ENGINEER

NOV 16 2008

HOBBS OCE

PREPARED FOR:

NEW MEXICO OIL CONSERVATION DIVISION

&

MR. CAM ROBBINS

MELROSE OPERATIONS COMPANY

1000 WEST WILSHIRE, SUITE 233

OKLAHOMA CITY, OK 73116

PREPARED BY:

P2 CONSTRUCTION, INC.

1656 NORTH FLAMINGO AVENUE, UNIT A

ODESSA, TEXAS 79763

.....

JALMAT FIELD YATES SAND UNIT #226

Table of Contents

- 1. Proof of Closure Notice**
- 2. Proof of Deed Notice**
- 3. Plot Plan**
- 4. Confirmation Sampling – Analytical Results**
- 5. Waste Material Sampling – Analytical Results**
- 6. Disposal Facility – Name and Permit Number**
- 7. Soil Backfilling and Cover Installation**
- 8. Re-vegetation Application Rates and Seeding Technique**
- 9. Site Reclamation (Photo Documentation)**

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
120 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator: Melrose Operating Company Telephone: 432-684-6381 e-mail address: ANN.ritche@water.net
Address: 40 Box 953 Midland TX 79702
Facility or well name: Valmont Field Yates Sand Aquifer API #: 30-025-38705 U/L or Qtr/Qtr P Sec 10 T 22S R 35E
County: LLa Latitude 3 Longitude 1 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>2500</u> bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more <input checked="" type="checkbox"/> (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No <input checked="" type="checkbox"/> (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more <input checked="" type="checkbox"/> (0 points)
Ranking Score (Total Points) <u>0</u>	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

See attached work plan

RECEIVED

JUN 17 2008

HOBBS OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 6-11-08

Printed Name/Title

CAM Robbins / Forman

Signature

CAM Robbins

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title

Signature

ENVIRONMENTAL ENGINEER

Date

6-11-08

P 2 CONSTRUCTION, INC.

Maintenance ■ Lease ■ Construction ■ Dirt Work ■ Environmental Services

1656 N. Flamingo Ave. Unit A, Odessa, TX 79763 ■ Office (432) 381-4800 ■ Fax # (432) 381-4801

June 10, 2008

Melrose Operating Company
P. O. Box 953
Midland TX. 79702

Attn: Mr. Cam Robins
Production Supervisor

**RE: Work Plan For Pit Closure Located Jalmat Field Yates Sand Unit; U/L P
Sec 10, T22S and R35E of Lea County, New Mexico**

Dear Mr. Robins:

P2 Construction Co. would like to take this time to thank you and Melrose Operating, for the opportunity to provide our professional services. Please find attached our work plan and cost for the above listed site.

If you have any questions and/or need more data in regards to projects please call at any time. My cell phone is 432-425-6192.

Sincerely,



Reynaldo Garza,
Sr. Project Manager
P2 Construction Co.

Summary/Overview

The Jalmat Field Yates Sand Unit site should be completed and remediated in accordance with the standards of the NMOCD. It is our understanding that any potential contamination from the site was a result of drilling petroleum product.

The potential contaminants of concern are mid to high-level concentrations of Production water and Drill Cuttings circulated into reserve pit for well bore.

The lands primary use is domestic pasture for ranching and the production of oil and gas.

The ground water depth data available for this area showed the depth to ground water to be in the 135' range BGS.

Pursuant to the standards of the NMOCD, the clean up level for this site will be at <5,000ppm of TPH, <50ppm for BTEX and Chlorides less than <250ppm.

The following scope of work was based on data from our site visit and the requirements of the NMOCD for site clean up.

Scope of Work for Entombment and site reclamation

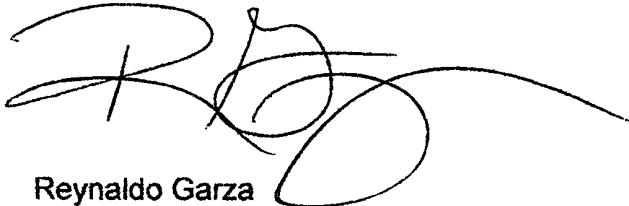
NOTE: Melrose Operating has requested for P2 Construction to remove and remediate reserve pit drill cuttings for pit closure. Melrose has also requested that P2 Construction submit a copy of results and reclamation plan to NMOCD for entombment of impacted soils.

1. First P2 Construction will call One-Call for line spot clearance before any excavation at the site is started.
2. P2 Construction will mobilize to the site located in the area Southwest of Eunice, NM equipment and personnel necessary to start and complete the site remediation as required, getting the site back into compliance.
3. P2 Construction will delineate the site vertical and horizontal for chloride's to determine the extent of impacted soil. Due to the size of reserve pit P2 will split the site into quadrants testing 25% of impacted soils. P2 will test the vertical; starting one foot from mud removal into deep bury pit.

4. P2 will then start excavation of impacted soil for on-site deep bury pit. Impacted soils will then be placed in an approved reinforced 12 ml poly liner for entombment. The entombment pit will be approximately 100x35x15 foot deep; which will hold 2,500 Cubic yards of material. Once all contents are place in entombment pit; P2 will cap pit with an approved 20 ml poly liner. Then pit will be backfilled so that contents are 3 foot below ground level.
5. P2 will field screen the site during the excavation and once the CL levels have dropped below clean up requirements final samples will be taken and sent to a third party lab for analysis.
6. Once all of the remediation criteria have been met for site closure and compliance, the site will be backfilled with clean material from the site. The site will be contoured with a slight crown to prevent the ponding of any rain water and reseeded.
7. Once all of the closure criteria have been met, a final closure report will be prepared by P2. This report will include a summary of remediation operations, findings on-site and lab analysis, site maps and project photos.

If you have any questions and/or need more data in regards to this project please call 432-425-6192 at any time.

Sincerely,

A handwritten signature in black ink, appearing to read 'Reynaldo Garza', with a long horizontal flourish extending to the right.

Reynaldo Garza
Sr. Project Manager
P2 Construction

DISTRICT I
1625 N. FRANK DR., HOHES, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
1501 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-38705	Pool Code 33820	Pool Name Jalmat (T-Y-7Rvs)
Property Code 25191	Property Name JYSU	Well Number 226
OGRID No. 184860	Operator Name MELROSE OPERATING COMPANY	Elevation 3602'

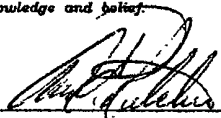
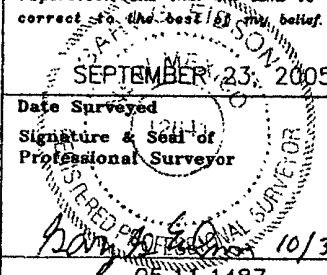
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	10	22-S	35-E		1310	SOUTH	1155	EAST	LEA

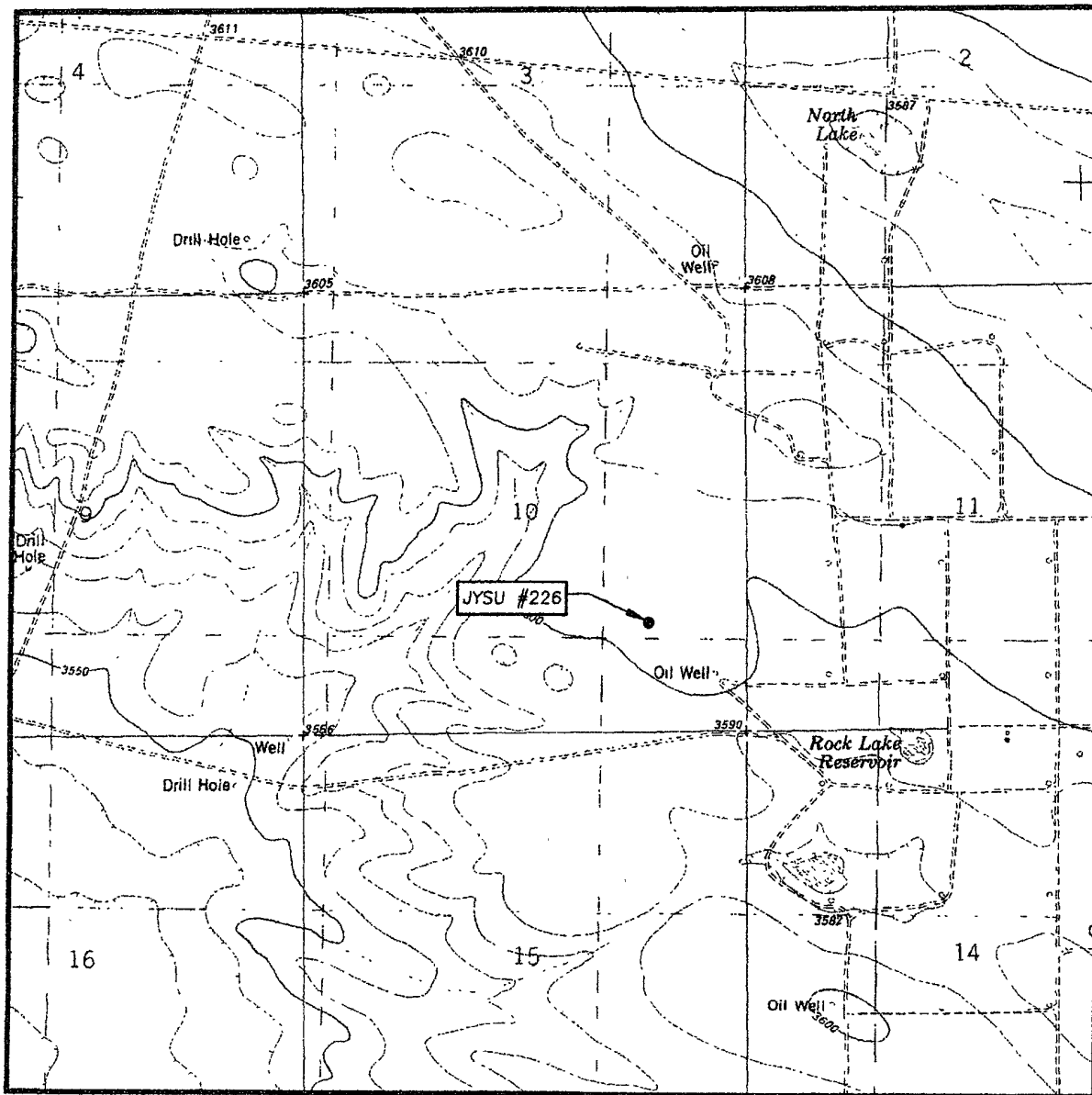
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40 *	Joint or Infill	Consolidation Code	Order No. * Waterflood Unit						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=511538.2 N X=803443.9 E</p> <p>LAT.=32°24'08.99" N LONG.=103°21'00.60" W</p> <p>1155'</p> <p>1310'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p></p> <p>Signature Ann E. Ritchie Printed Name Regulatory Agent Title 10-6-05 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p></p> <p>Date Surveyed SEPTEMBER 23, 2005 Signature & Seal of Professional Surveyor GARY EDSON Certificate No. GARY EDSON 12641</p>

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
OIL CENTER, N.M. - 10'

SEC. 10 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1310' FSL & 1155' FEL

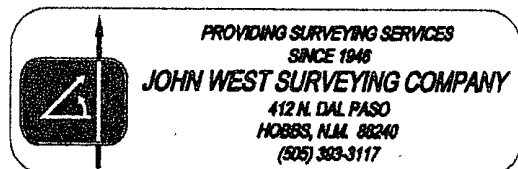
ELEVATION 3602'

OPERATOR MELROSE OPERATING COMPANY

LEASE JYSU

U.S.G.S. TOPOGRAPHIC MAP

OIL CENTER, N.M.

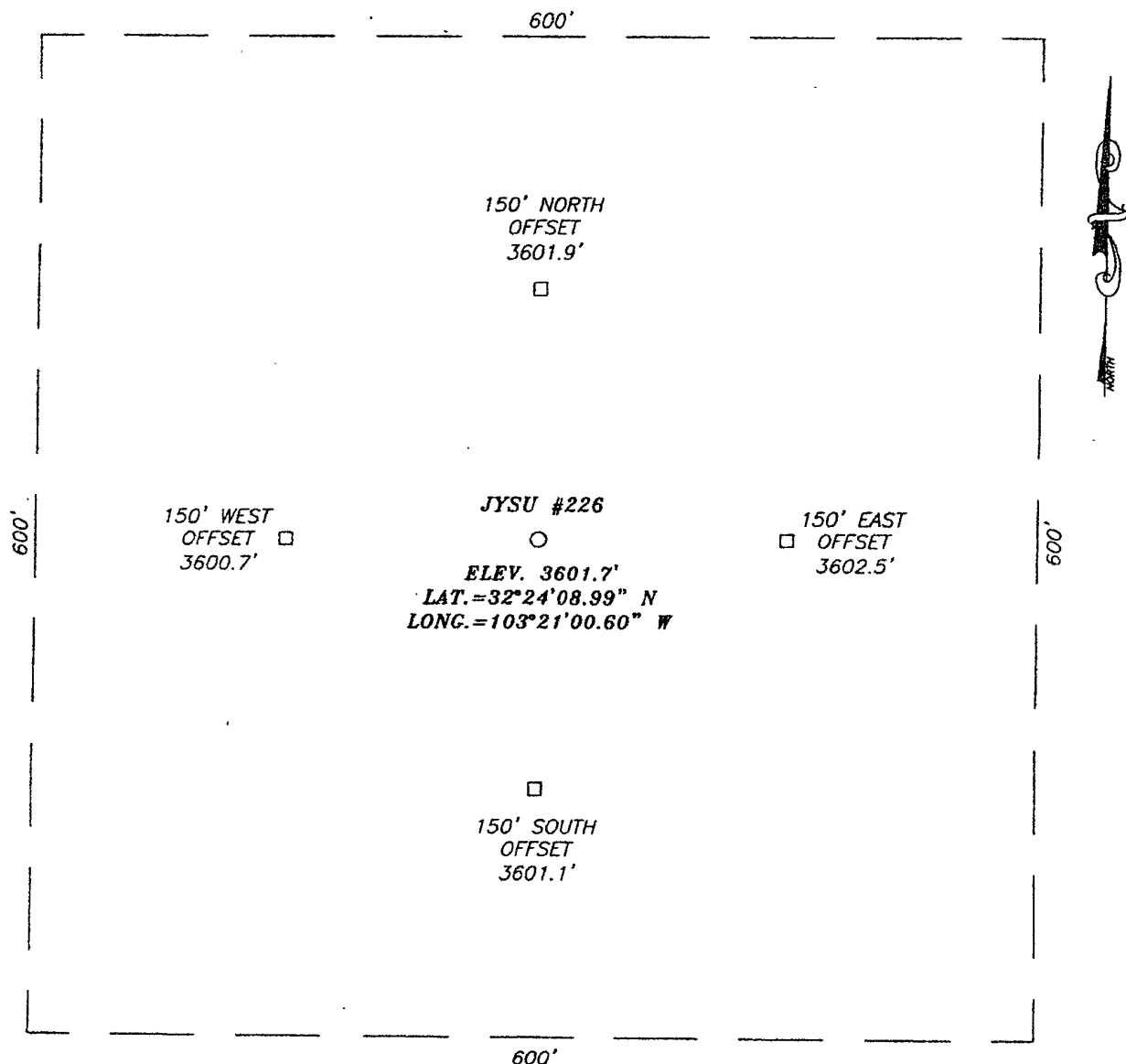


PROVIDING SURVEYING SERVICES
SINCE 1946

JOHN WEST SURVEYING COMPANY

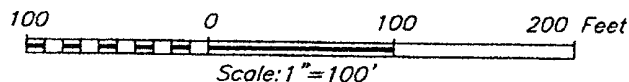
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

SECTION 10, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



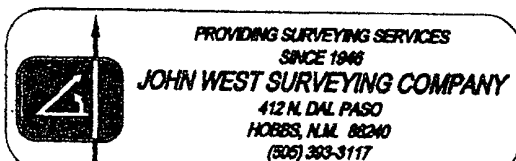
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF DELAWARE BASIN RD. AND
WEAVER RD. GO WEST ON DELAWARE BASIN RD. APPROX.
0.8 MILES. TURN RIGHT AND GO WEST APPROX. 1.1
MILES. TURN LEFT AND GO SOUTH APPROX. 0.1 MILES.
TURN RIGHT AND GO WEST APPROX. 0.6 MILES. TURN
RIGHT AND GO NORTH APPROX. 0.1 MILES. TURN LEFT
AND GO WEST APPROX. 0.2 MILES. TURN RIGHT AND GO
NORTH APPROX. 0.1 MILES. TURN LEFT AND GO WEST
APPROX. 0.1 MILES AND PASS THE JYSU #193 AND
CONTINUE NORTHWEST APPROX. 0.2 MILES TO THE JYSU
#221 WELL. THIS LOCATION IS SOUTHWEST APPROX. 0.2
MILES.



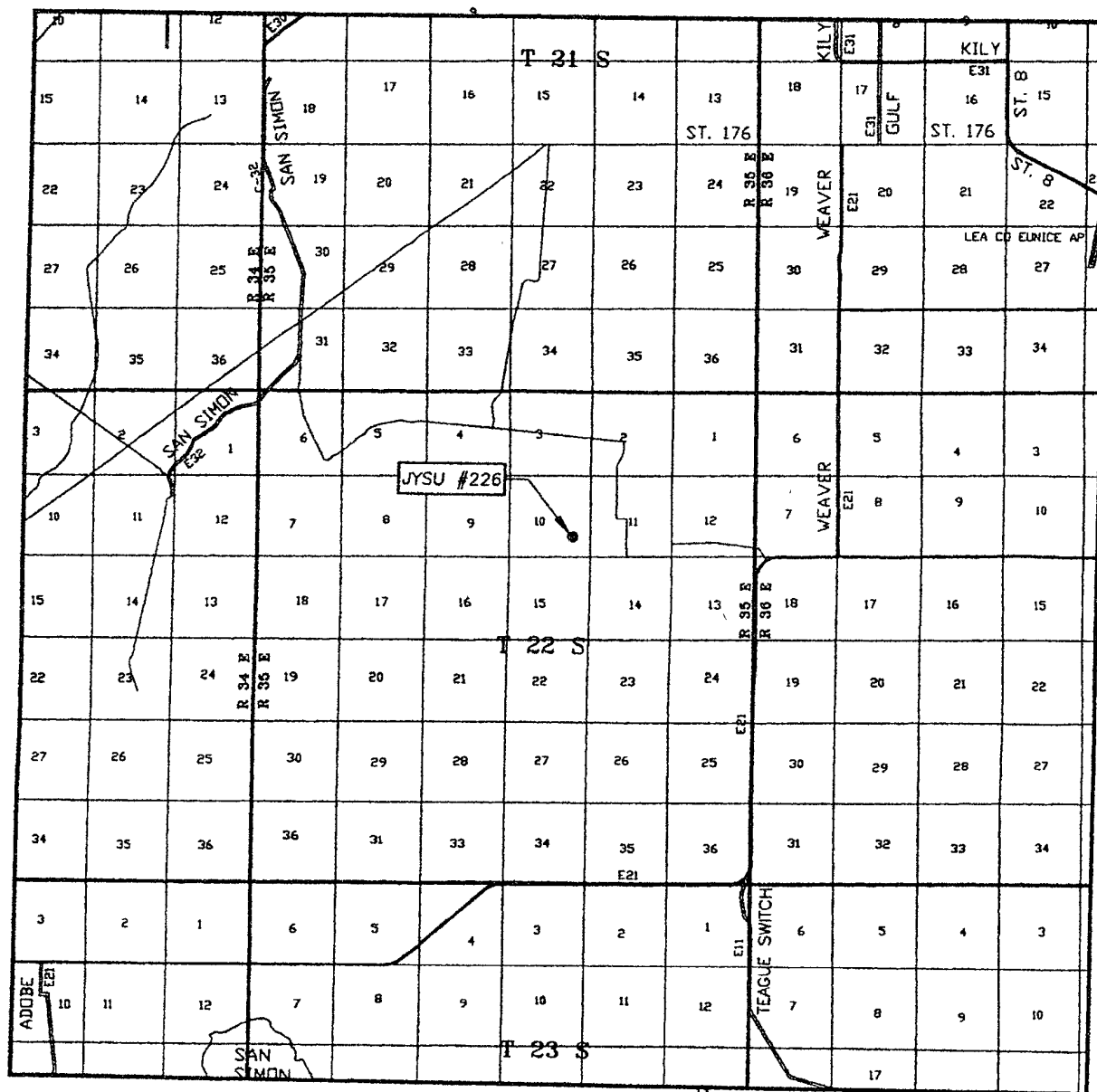
MELROSE OPERATING COMPANY

JYSU #226 WELL
LOCATED 1310 FEET FROM THE SOUTH LINE
AND 1155 FEET FROM THE EAST LINE OF SECTION 10,
TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Survey Date: 9/23/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.1487	Dr By: LA
Date: 9/28/05	Disk: CD#4
05111487	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 10 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

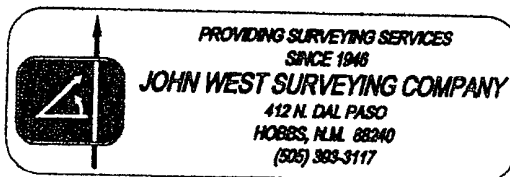
COUNTY LEA

DESCRIPTION 1310' FSL & 1155' FEL

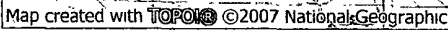
ELEVATION 3602'

OPERATOR MELROSE OPERATING COMPANY

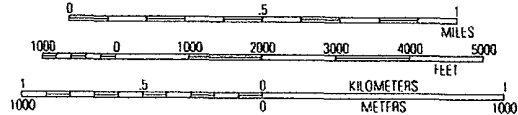
LEASE JYSU



WGS84 103.33333° W



WGS84 103.33333° W



TN * MN
8°
09/24/08

September 24, 2008

Final Report For Jalmat Field Yates Sand Unit #226; U/L P Sec10, T22S and R35E of Lea County, NM ; API #30-025-37500

Scope of work for entombment and site reclamation

1. P2 Construction Inc. mobilized to site located in the area Southwest of Eunice NM equipment and personnel were instructed of the procedures and guidelines of the NMOCD.
2. P2 constructed a deep bury trench 100'X20'X45' wide to yield approx. 2900 CYRDS of impacted material.
3. P2 lined deep bury trench with a 20 ml poly liner.
4. P2 then mixed contents to a 3 to 1 mixture; so that no saturation would leach out.
5. P2 then with an excavator transferred contents to the deep bury trench; until all contents were removed from the temporary drilling pit site.
6. P2 then delineated the site vertically and horizontally for chlorides. P2 then sent four site samples and one background sample to a 3rd party lab for analysis.
7. P2 received notice from the 3rd party lab that soil samples analysis failed and were more than 250 ppm chloride concentration

8. Once the lab results were received from 3rd party lab and come back with results less than 250 ppm Chloride concentration, BTEX less than 50 ppm, TPH less than 5,000 ppm. P2 then installed a 12 mil poly liner cap over the entombment pit; so that the cap of liner would be approximately three below surface level.
9. P2 then backfilled the deep bury trench with native top soil; so that re-vegetation would be possible. Then P2 backfilled the cleaned out temporary drilling pit with caliche up to one foot and a half from the surface. Then P2 backfill the remainder of the one foot and a half with native top soil for vegetation.
10. P2 then re-seeded area with RS warm season grass mix. P2 then used a farm tractor and seeder bin to spread the seed and cover seed approximately 1" to 1-1/2" in depth over the entire area of temporary pit and deep bury trench; which covered an area approximately 200'X150'in width. Seeding is based on at least three native plants and should result in at least 70% of plant growth within two seasons.

Signature 
Reynaldo J Garza
Sr. Project Manager
P2 Construction Inc.

KIND: ANNUAL RYEGRASS

VARIETY: GULF
 LOT #: L73843G
 ORIGIN: ORE
 NET WT: 50 LBS
 TESTED: 8/08
 PURE SEED: 96.49%
 INERT MATTER: 0.32%
 OTHER CROP: 3.00%
 WEED SEED: 0.19%
 NOXIOUS SEED PER LB: NONE
 GERMINATION: 90%

RICHARDSON SEEDS, INC.
 VEGA, TEXAS 79092

2008 RS WARM SEASON GRASS MIX

% By Wt.	Kind:	Lot:
26.00%	WW Spar Bluestem	PH06
20.00%	Blaze Little Bluestem	BLZ2133
18.00%	Sel. 75 Kleingrass	27046
12.00%	Green Sprangletop	27025ARC
7.00%	VNS Sideoats Grama	GSS1619
5.00%	Blue Grama	GBB1142
5.00%	Sand Lovegrass	LLS2116
4.00%	Annua! Ryegrass	L73843G
3.00%	Tiffany Tarr	4091261
100.00%		

RICHARDSON SEEDS, LTD.

VEGA, TX 79092

KIND: YELLOW BLUESTEM
 VARIETY: WW SPAR
 LOT #: PH06
 ORIGIN: TX
 NET WT: 50 LBS TESTED: 10/07
 PURE SEED: 78.95%
 INERT MATTER: 21.01%
 OTHER CROP: 0.01%
 WEED SEED: 0.03%
 NOXIOUS SEED PER LB: NONE
 GERMINATION: 81% + 12% DORMANT SEED
 TOTAL GERMINATION & HARD SEED = 93%
 RICHARDSON SEEDS, INC.
 VEGA, TEXAS 79092

KIND: LITTLE BLUESTEM
 VARIETY: BLAZE
 LOT #: BLZ2133
 ORIGIN: KS
 NET WT: 40 LBS
 TESTED: 04/08
 PURE SEED: 63.02%
 INERT MATTER: 36.63%
 OTHER CROP: 0.19%
 WEED SEED: 0.16%
 NOXIOUS SEED PER LB: NONE
 GERMINATION: 61% + 14% DORMANT SEED
 TOTAL GERMINATION & DORMANT SEED = 75%
 RICHARDSON SEEDS, INC.

VARIETY: SEL.75
LOT #: 27046A
ORIGIN: TX
NET WT: 50 LBS
TESTED: 03/08 90.08% PLS
PURE SEED: 98.99%
INERT MATTER - 0.88%
OTHER CROP: 0.03%
WEED SEED: 0.10%
NOXIOUS SEED PER LB: NONE
GERMINATION: 69% + 22% DORMANT SEED
TOTAL GERMINATION = 91%
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: GREEN SPRANGLETOP
VARIETY: VAN HORN
LOT #: 27025ARC
ORIGIN: TX
NET WT: 50 LBS
TESTED: 04/08 80.28%PLS
PURE SEED: 84.50%
INERT MATTER - 14.19%
OTHER CROP: 0.12%
WEED SEED: 1.19%
NOXIOUS SEED PER LB: NONE
GERMINATION: 77% + 18% DORMANT SEED
TOTAL GERMINATION = 95%
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: BLUE GRAMA
VARIETY: NOT STATED
LOT #: 6061A
ORIGIN: TX
NET WT: 30 LBS
TESTED: 12/07 69.46% PLS
PURE SEED: 75.50%
INERT MATTER: 24.35%
OTHER CROP: 0.09%
WEED SEED: 0.05%
NOXIOUS SEED PER LB: NONE
GERMINATION: 92%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

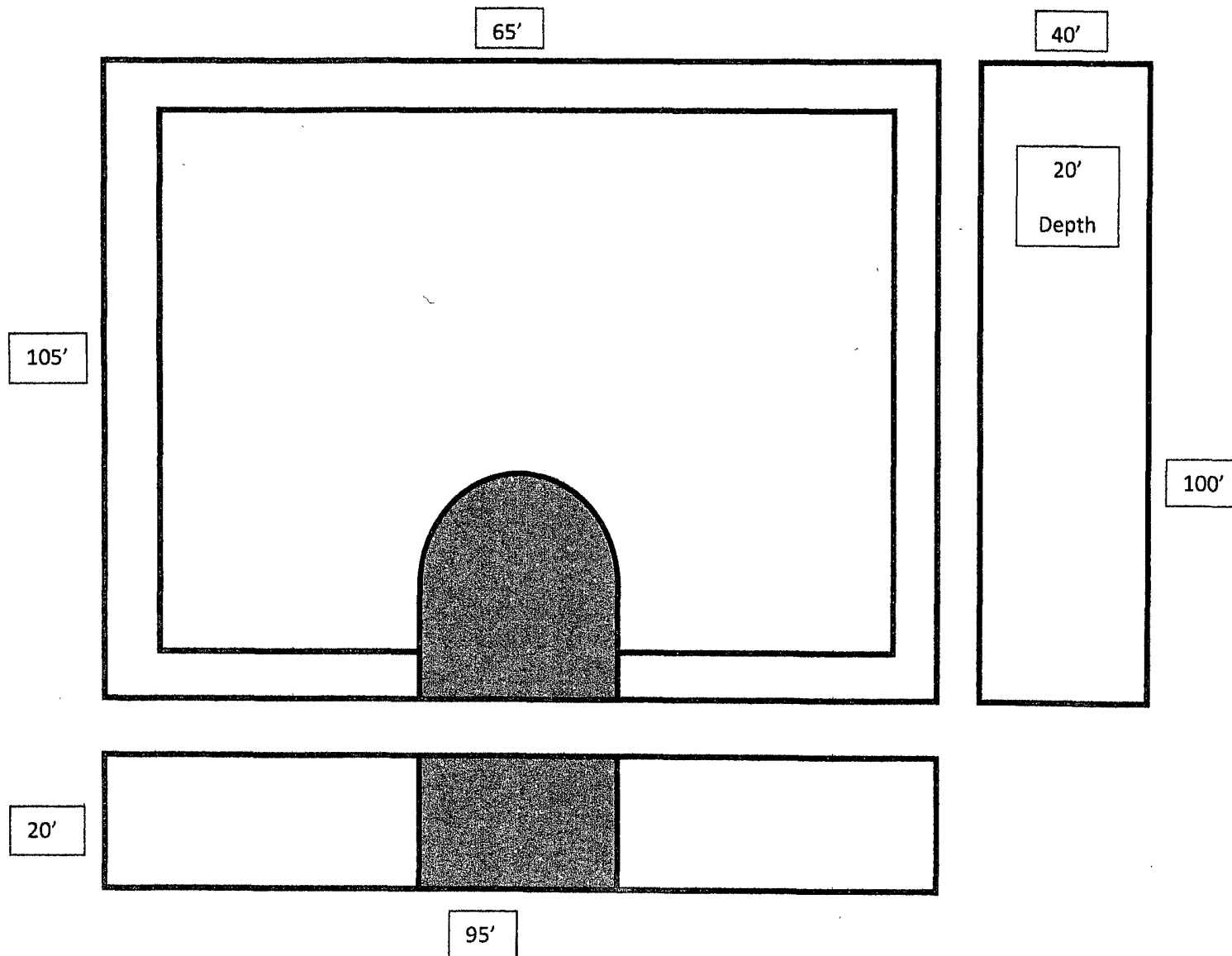
KIND: SIDEOATS GRAMA
VARIETY: NOT STATED
LOT #: GSS1619
ORIGIN: KS
NET WT: 40 LBS
TESTED: 04/08 63.01% PLS
PURE SEED: 92.66%
INERT MATTER: 4.84%
OTHER CROP: 0.00%
WEED SEED: 2.50%
NOXIOUS SEED PER LB: NONE
GERMINATION: 68%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: SAND LOVEGRASS
VARIETY: NOT STATED
LOT #: LLS-2116
ORIGIN: KS
NET WT: 50 LBS
TESTED: 11/07 84.85% PLS
PURE SEED: 99.82%
INERT MATTER: 0.09%
OTHER CROP: 0.00%
WEED SEED: 0.09%
NOXIOUS SEED PER LB: NONE
GERMINATION: 7% + 78% DORMANT SEED
TOTAL GERMINATION = 85%

RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092

KIND: TEFF
VARIETY: TIFFANY
LOT #: 04-09-126-1
ORIGIN: IDAHO
NET WT: LBS
TESTED: 11/07
PURE SEED: 49.65%
INERT MATTER: 0.20%
OTHER CROP: 0.00%
WEED SEED: 0.15%
COATING MATERIAL: 50.00%
NOXIOUS SEED PER LB: NONE
GERMINATION: 88%
RICHARDSON SEEDS, INC.
VEGA, TEXAS 79092



Well Head



P2 Construction, Inc.



Report Date: July 1, 2008
API 30-025-38705

Work Order: 8061701
Jalmat Field Yates Sand Unit #226

Page Number: 1 of 2
Lea Co., NM

Summary Report

Ray Garza
Melrose
P. O. Box 953
Midland, TX, 79702

Report Date: July 1, 2008

Work Order: 8061701



Project Location: Lea Co., NM
Project Name: Jalmat Field Yates Sand Unit #226
Project Number: API 30-025-38705

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
163557	NE	soil	2008-06-16	08:00	2008-06-16
163558	SW	soil	2008-06-16	08:15	2008-06-16
163559	FE	soil	2008-06-16	08:30	2008-06-16
163560	FW	soil	2008-06-16	08:45	2008-06-16
163561	BG	soil	2008-06-16	09:00	2008-06-16

Sample - Field Code	BTEX				MTBE	TPH DRO	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
163557 - NE	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
163558 - SW	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
163559 - FE	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
163560 - FW	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00
163561 - BG	<0.0100	<0.0100	<0.0100	<0.0100		<50.0	<1.00

Sample: 163557 - NE

Param	Flag	Result	Units	RL
Chloride		<32.5	mg/Kg	3.25

Sample: 163558 - SW

Param	Flag	Result	Units	RL
Chloride		<32.5	mg/Kg	3.25

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296
This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: July 1, 2008
API 30-025-38705

Work Order: 8061701
Jalmat Field Yates Sand Unit #226

Page Number: 2 of 2
Lea Co., NM

Sample: 163559 - FE

Param	Flag	Result	Units	RL
Chloride		<32.5	mg/Kg	3.25

Sample: 163560 - FW

Param	Flag	Result	Units	RL
Chloride		35.4	mg/Kg	3.25

Sample: 163561 - BG

Param	Flag	Result	Units	RL
Chloride		47.2	mg/Kg	3.25

Report Date: August 28, 2008
API 30-025-37500

Work Order: 8082724
JFYSU #226

Page Number: 1 of 2
Lea County, NM

Summary Report

Ray Garza
P2 Construction
1656 N Flamingo Ave
Unit A
Odessa, TX, 79763

Report Date: August 28, 2008

Work Order: 8082724



Project Location: Lea County, NM
Project Name: JFYSU #226
Project Number: API 30-025-37500

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
171960	FE	soil	2008-08-26	14:00	2008-08-27
171961	FW	soil	2008-08-26	14:10	2008-08-27
171962	NE	soil	2008-08-26	14:15	2008-08-27
171963	SW	soil	2008-08-26	14:25	2008-08-27

Sample: 171960 - FE

Param	Flag	Result	Units	RL
Chloride		66.5	mg/Kg	3.25

Sample: 171961 - FW

Param	Flag	Result	Units	RL
Chloride		125	mg/Kg	3.25

Sample: 171962 - NE

Param	Flag	Result	Units	RL
Chloride		122	mg/Kg	3.25

Sample: 171963 - SW

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296
This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: August 28, 2008
API 30-025-37500

Work Order: 8082724
JFYSU #226

Page Number: 2 of 2
Lea County, NM

Param	Flag	Result	Units	RL
Chloride		87.4	mg/Kg	3.25



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Ray Garza
P2 Construction
1656 N Flamingo Ave
Unit A
Odessa, TX, 79763

Report Date: August 28, 2008

Work Order: 8082724



Project Location: Lea County, NM
Project Name: JFYSU #226
Project Number: API 30-025-37500

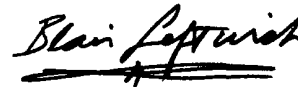
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
171960	FE	soil	2008-08-26	14:00	2008-08-27
171961	FW	soil	2008-08-26	14:10	2008-08-27
171962	NE	soil	2008-08-26	14:15	2008-08-27
171963	SW	soil	2008-08-26	14:25	2008-08-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of

TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project JFYSU #226 were received by TraceAnalysis, Inc. on 2008-08-27 and assigned to work order 8082724. Samples for work order 8082724 were received intact at a temperature of 10.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8082724 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: August 28, 2008
API 30-025-37500

Work Order: 8082724
JFYSU #226

Page Number: 4 of 6
Lea County, NM

Analytical Report

Sample: 171960 - FE

Laboratory:	Lubbock	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2008-08-28	Analyzed By:	RG
QC Batch:	51873	Sample Preparation:	2008-08-27	Prepared By:	RG
Prep Batch:	44483				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		66.5	mg/Kg	10	3.25

Sample: 171961 - FW

Laboratory:	Lubbock	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2008-08-28	Analyzed By:	RG
QC Batch:	51873	Sample Preparation:	2008-08-27	Prepared By:	RG
Prep Batch:	44483				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		125	mg/Kg	10	3.25

Sample: 171962 - NE

Laboratory:	Lubbock	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2008-08-28	Analyzed By:	RG
QC Batch:	51873	Sample Preparation:	2008-08-27	Prepared By:	RG
Prep Batch:	44483				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		122	mg/Kg	10	3.25

Sample: 171963 - SW

Laboratory:	Lubbock	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2008-08-28	Analyzed By:	RG
QC Batch:	51873	Sample Preparation:	2008-08-27	Prepared By:	RG
Prep Batch:	44483				

continued ...

Report Date: August 28, 2008
API 30-025-37500

Work Order: 8082724
JFYSU #226

Page Number: 5 of 6
Lea County, NM

sample 171963 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		87.4	mg/Kg	10	3.25

Method Blank (1) QC Batch: 51873

QC Batch: 51873
Prep Batch: 44483

Date Analyzed: 2008-08-28
QC Preparation: 2008-08-27

Analyzed By: RG
Prepared By: RG

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 51873
Prep Batch: 44483

Date Analyzed: 2008-08-28
QC Preparation: 2008-08-27

Analyzed By: RG
Prepared By: RG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.5	mg/Kg	1	100	<1.80	98	96.5 - 104.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.5	mg/Kg	1	100	<1.80	98	96.5 - 104.4	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 171969

QC Batch: 51873
Prep Batch: 44483

Date Analyzed: 2008-08-28
QC Preparation: 2008-08-27

Analyzed By: RG
Prepared By: RG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	496	mg/Kg	10	500	32.32	93	74.7 - 123.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: August 28, 2008
API 30-025-37500

Work Order: 8082724
JFYSU #226

Page Number: 6 of 6
Lea County, NM

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	502	mg/Kg	10	500	32.32	94	74.7 - 123.2	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 51873

Date Analyzed: 2008-08-28

Analyzed By: RG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-08-28

Standard (CCV-1)

QC Batch: 51873

Date Analyzed: 2008-08-28

Analyzed By: RG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2008-08-28

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd , Suite E
El Paso, Texas 79922
 Tel (915) 585-3443
 Fax (915) 585-4944
 1 (888) 588-3443

8808 Camp Bowie Blvd West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name:	P2 Construction Inc	Phone #:	432-425-4801
Address:	(Street, City, Zip)	Fax #:	
	1656 N Flamingo West Ave A Mesquite 79762		432-381-4801
Contact Person:		E-mail:	
	Ray Garza		slu@p2-inc@stg.hca.net
Invoice to:			
(If different from above)	Malrose		
Project #:		Project Name:	
	APL 30-035-87500		JEKBU 036
Project Location (including state):		Sampler Signature:	
	Lea County NM		

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

Relinquished by: <u>H. G. P. G. 176177</u>	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:	LAB USE ONLY Intact <u>Y / N</u> Headspace <u>Y / N / NA</u> Log-In-Review	REMARKS: <u>24 H2O</u> <input type="checkbox"/> Dry Weight Basis Required <input type="checkbox"/> TRRP Report Required <input type="checkbox"/> Check If Special Reporting Limits Are Needed
Relinquished by: <u>C</u>	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:		
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:		

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

CHART COPY

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: P2 Construction Inc Phone #: 432-425-4807
Address: (Street, City, Zip) 1656 N Flamingo Unit AUL A ARLA TX 79763 Fax #: 432-381-4801
Contact Person: Ray Garza E-mail: stanp2inc@sbcglobal.net
Invoice to: (If different from above) Melrose
Project #: API 30-025-37500 Project Name: JETSU 226
Project Location (including state): Lea County NM Sampler Signature: [Signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021B / 602	BTX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME																					
11960	FE	402		X							X		8-26-08	2:00P																						
961	FW	402		X							X		8-26-08	2:10P																						
962	NE	402		X							X		8-26-08	2:15P																						
963	SW	402		X							X		8-26-08	2:25P																						

Relinquished by: <u>[Signature]</u> Company: <u>BGS</u> Date: <u>8-27-08</u> Time: <u>1:37P</u>	Received by: <u>[Signature]</u> Company: <u>[Blank]</u> Date: <u>[Blank]</u> Time: <u>[Blank]</u> Temp°c: <u>[Blank]</u>
Relinquished by: <u>[Blank]</u> Company: <u>[Blank]</u> Date: <u>[Blank]</u> Time: <u>[Blank]</u>	Received by: <u>[Blank]</u> Company: <u>[Blank]</u> Date: <u>[Blank]</u> Time: <u>[Blank]</u> Temp°c: <u>[Blank]</u>
Relinquished by: <u>[Blank]</u> Company: <u>[Blank]</u> Date: <u>[Blank]</u> Time: <u>[Blank]</u>	Received by: <u>[Blank]</u> Company: <u>[Blank]</u> Date: <u>[Blank]</u> Time: <u>[Blank]</u> Temp°c: <u>[Blank]</u>

LAB USE ONLY
Initials: [Signature] / [Signature]
Headspace: [Blank] / [Blank]
Log-in-Review: [Blank]

REMARKS: 24 HR

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier # Cery 2

MELROSE OPERATING COMPANY

JALMAT FIELD YATES SAND UNIT #226

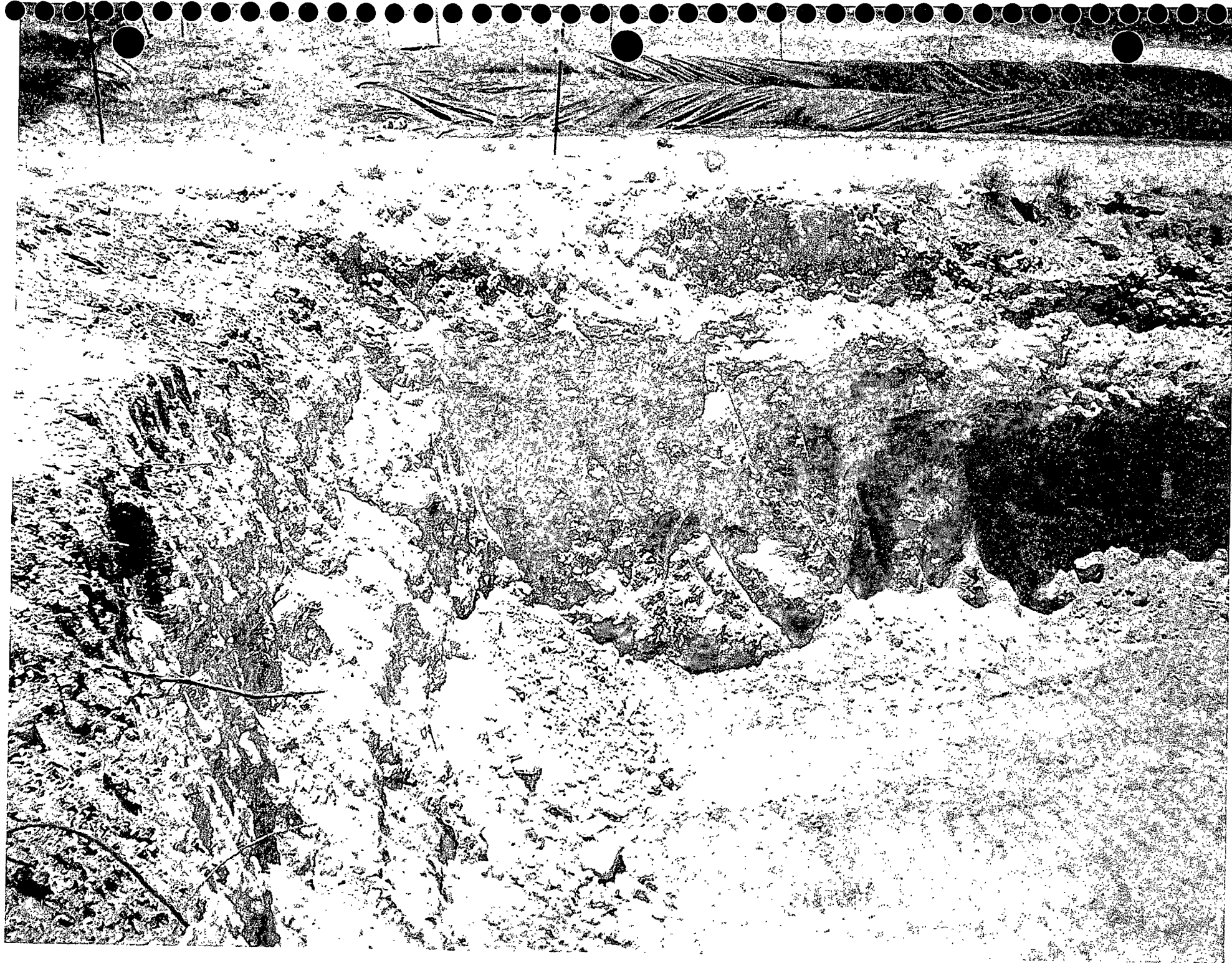
UNIT P, SEC. 10-T22S-R35E

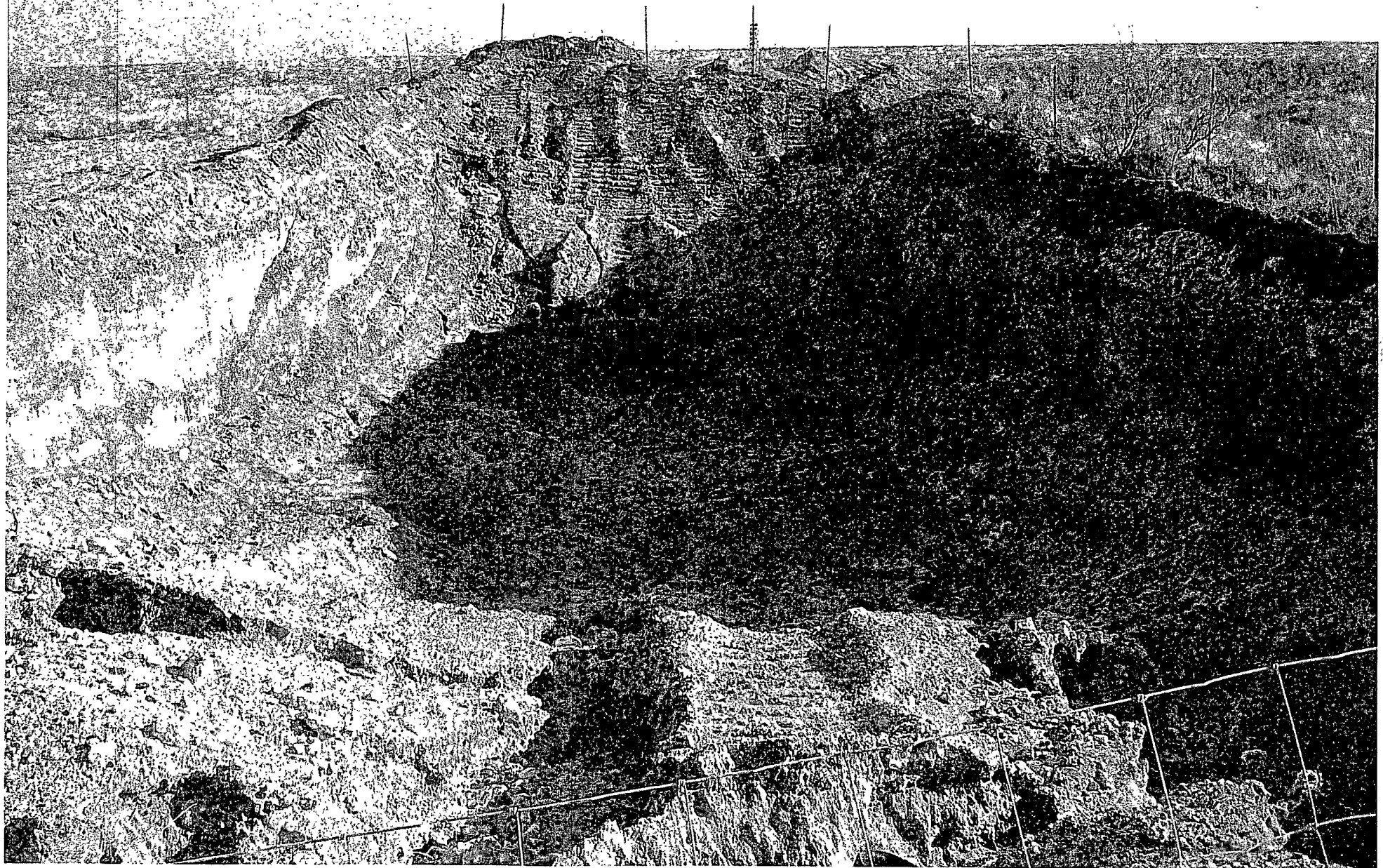
1310' FSL & 1155' FEL

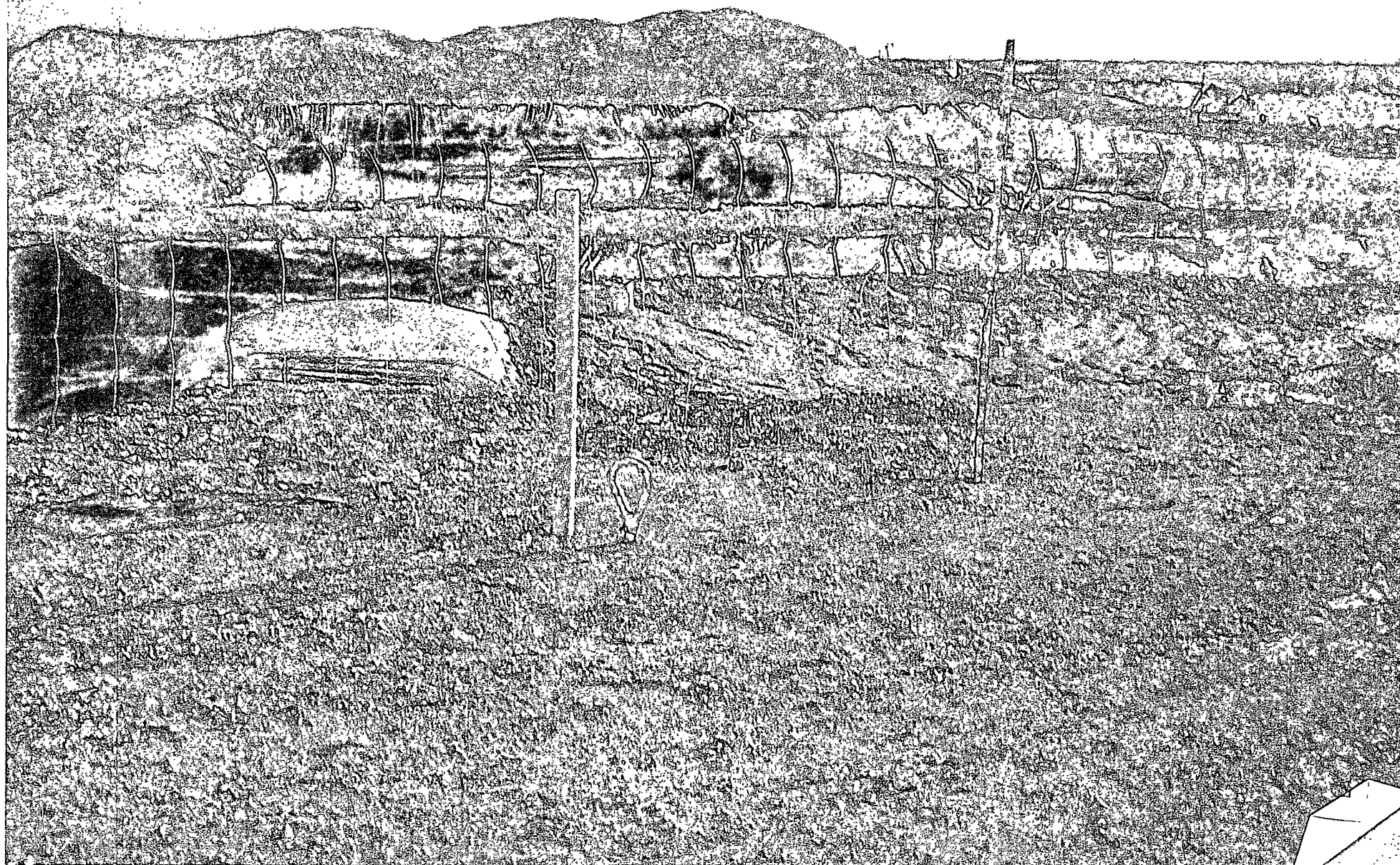
LEA CO., NM NMLC #25191

API #30-025-37500

EMERG. #575-390-4666. #575-394-2610



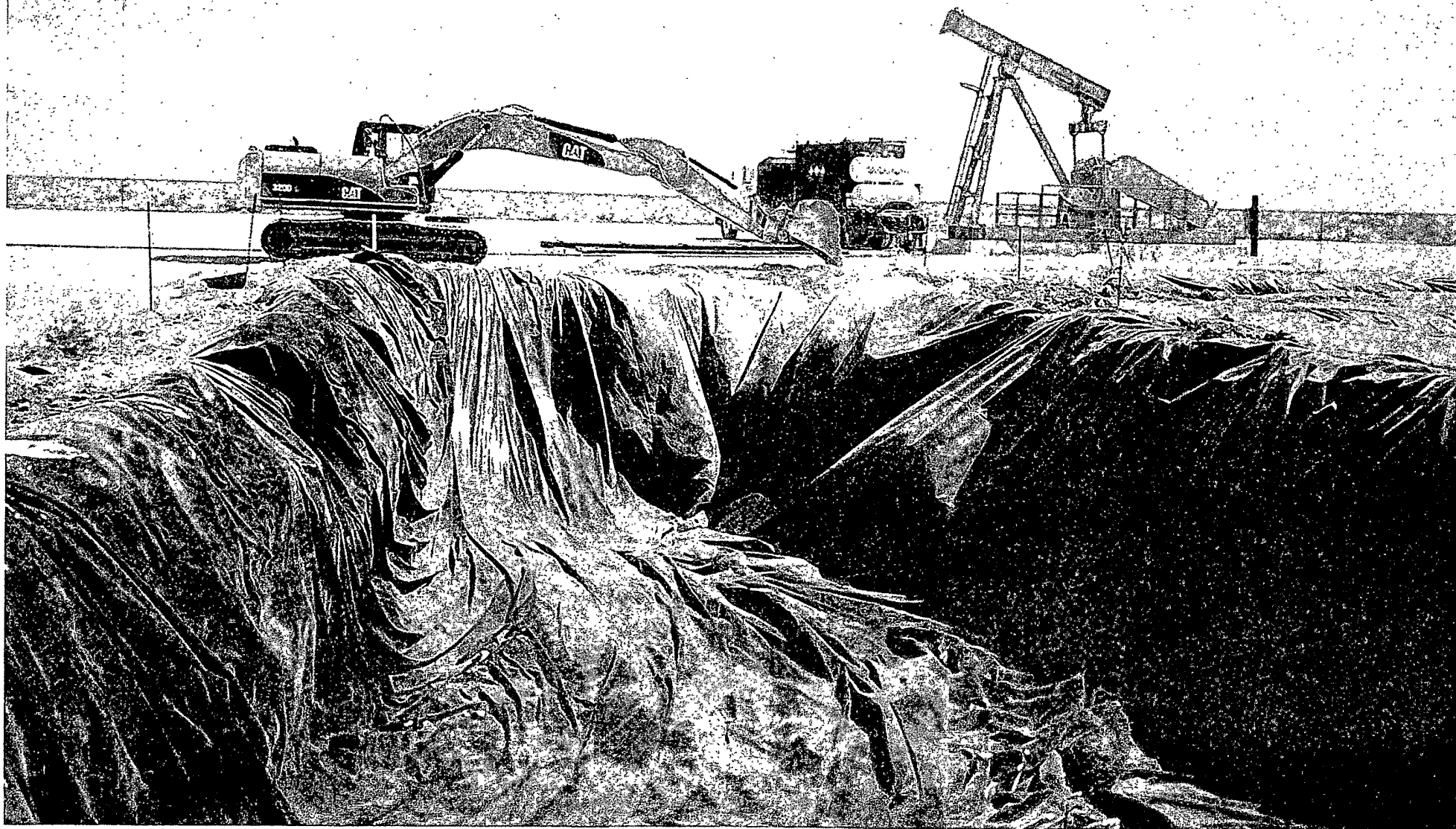








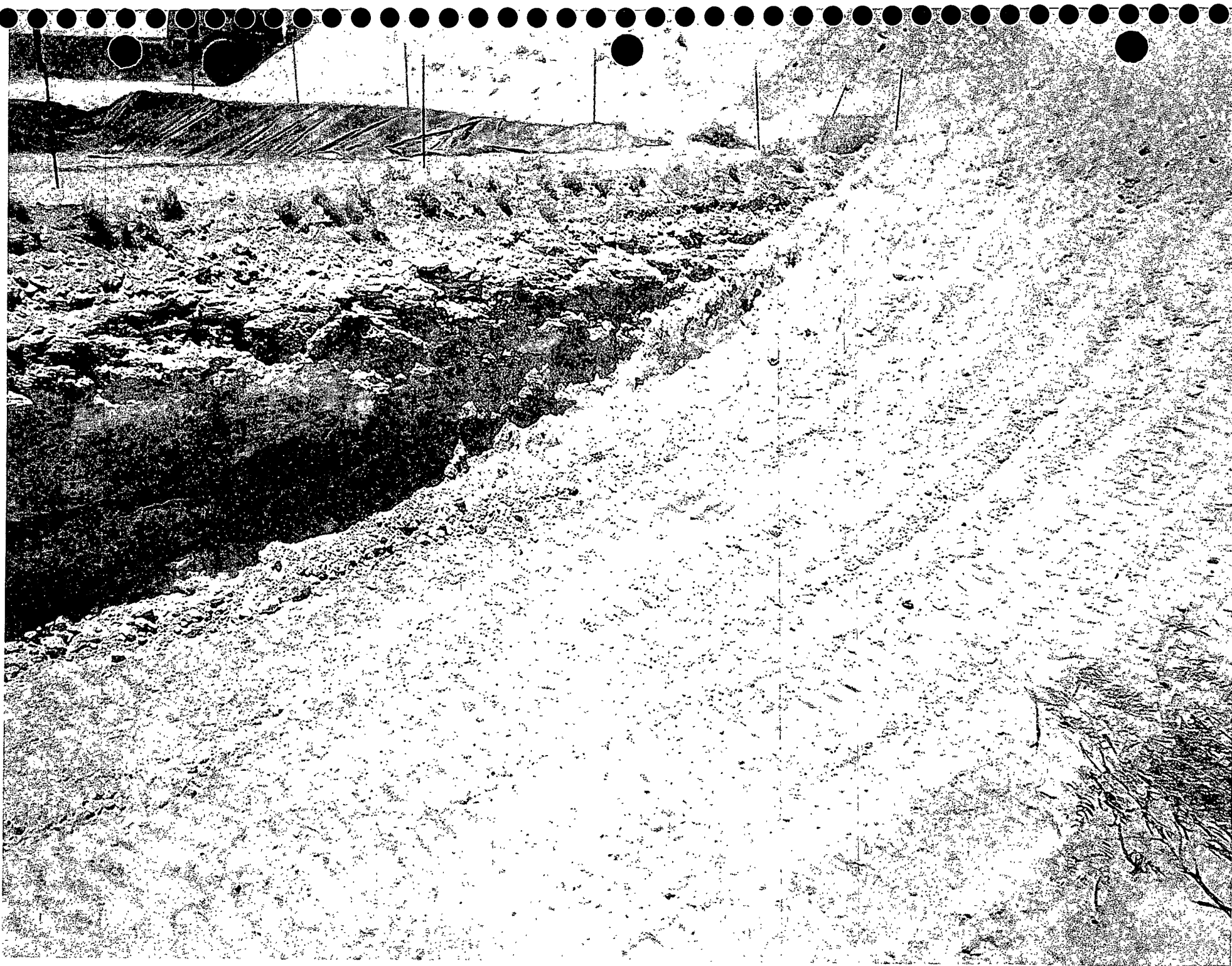




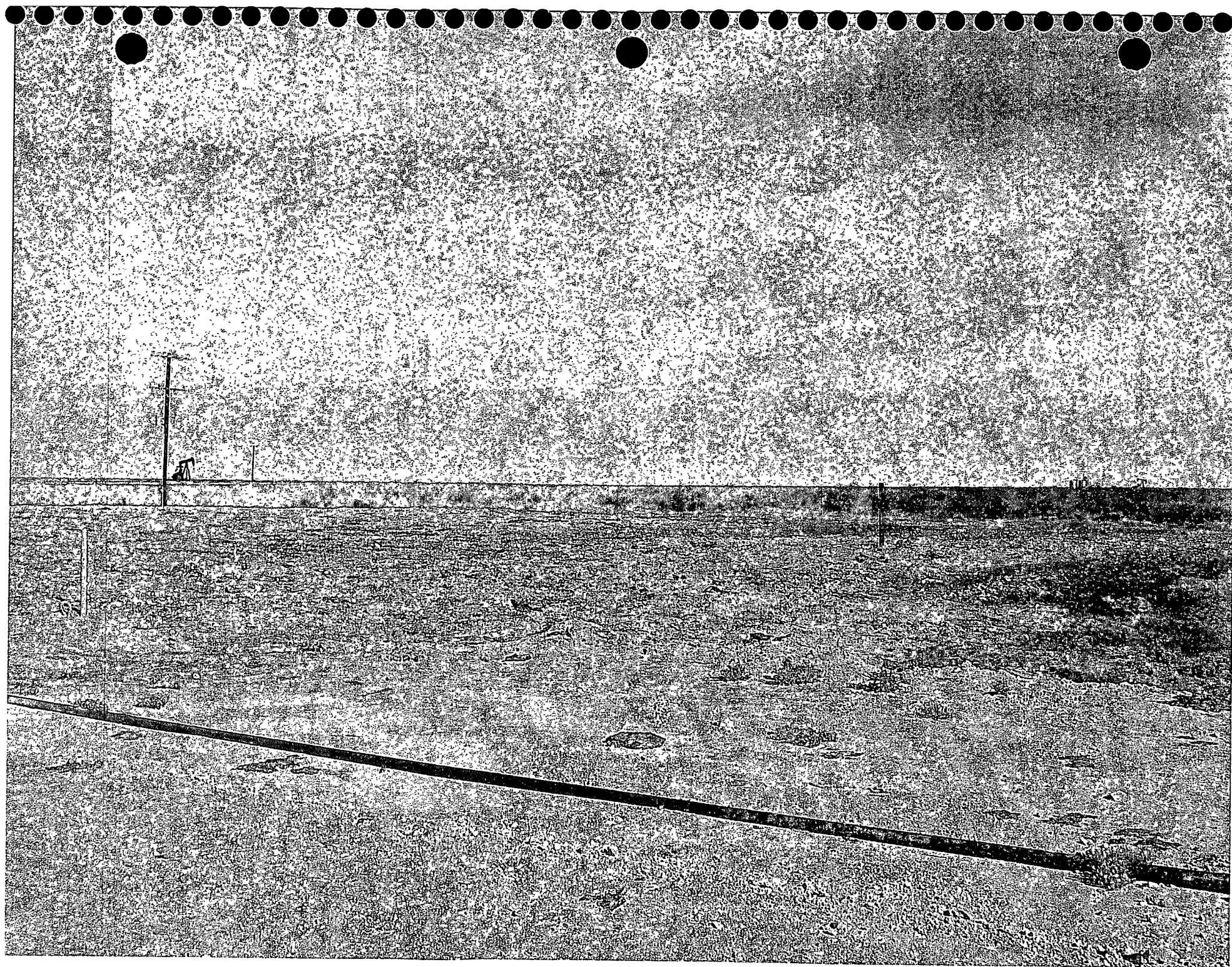


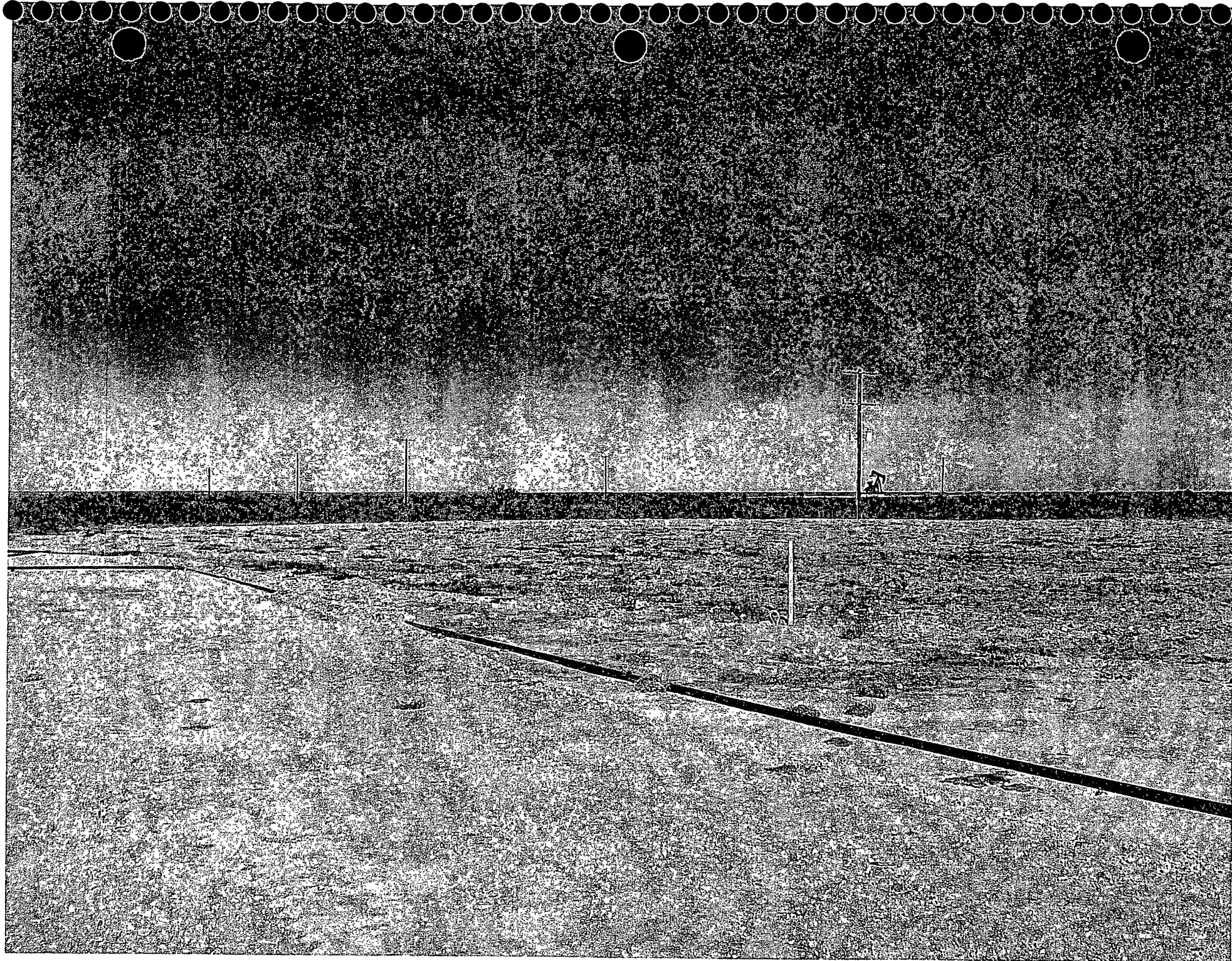






Do Not Dig Deep Bury
French Below. Melrose
Operating Co. Joliet
Field Yates Sand Unit #
226 Unit P Sec 10 T2S
R55E L1E4 Count 11 N14





Do Not Dig-Deep Bury
Trench Below. Melrose
Operating Co. Jalmit
Field Yates Sand Unit #
226 Unit P Sec 10 T22S
R35E 14EA County NM

