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GENERAL CORRESPONDENCE

YEAR(S):

2005-2002

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

7001 1940 0004 7920 7591

Mark E. Fesmire, P.E.
Director

Joanna Prukop
Cabinet Secretary

March 4, 2005

Oil Conservation Division

Pitchfork Landfarm, LLC 524 Antelope Ridge Jal, NM 88252

Permit Number: NM-1-0039

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

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505 Phone: (505) 476-3440 * Fax (505) 476-3462 * http://www.emnrd.state.nm.us



NEW EXICO ENERGY, MERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mr. Bert Madera Pitchfork Landfarm, LLC 524 Antelope Ridge Jal, NM 88252

Dear Mr. Madera:

September 17, 2004

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

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

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	
	, 	 	

LONGERSOND.

7 JAN -2 PH 2: 33

December 27, 2002

RECEIVED

JAN 0 3 2003

Environmental Bureau
Oil Conservation Division

NMOCD Environmental ATTN: Martyne J. Kieling Box 6429 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Pitchfork Landfarm

Mrs. Kieling:

Find within Notice of Publication, as you requested, for Pitchfork Landfarm. A copy of the Notice will be sent to the District Office also.

If you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent

Eldible

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 says that she is Advertisting Director	

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting 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 LOV-
INGTON DAILY LEADER and not in any supplement there-
of, for <u>one (1) day</u> , beginning with the issue of
December 6, 2002 and ending with the issue
of December 6 , 2002.
And that the cost of publishing said notice is the sum of
\$_49.03 which sum has been (Paid) as
Court-Costs.
L'exo Clemens
Subscribed and sworn to before me this 19th day of

Debbie Schilling

December 2002

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2006

RECEIVED

JAN 0 3 2003

Environmental Bureau
Oil Conservation Division

LEGAL NOTICE 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, 1220 South Saint Frances Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Pitchfork 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 the NE/4 NE/4 of Section 5, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. Hydrocarbon contaminated sells associated the NE/4 South, Range 34 East, NMPM, Lea County, New Mexico.

ciated 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 52 feet with chloride concentration of approximately 44 milligrams per liter and total dissolved solids concentration approximately 359 milligrams per liter. The facilis underlain by Quaternary alluvium and the Triassic Chinle Formations. 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 linformation 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 December 6, 2002

Kieling, Martyne

From:

Sent:

Kieling, Martyne Wednesday, November 27, 2002 10:01 AM Valdes, Kathy Public notice for Docket

To:

Subject:

Kathy,

Please find attached a Notice for your next Docket.



DOCKET.doc

Thanks,

Martyne J. Kieling

Martyne J. Kieling Environmental Geologist

NOTICE

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, 1220 South Saint Frances Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Pitchfork 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 the NE/4 NE/4 of Section 5, Township 24 South, Range 34 East, NMPM, 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 52 feet with chloride concentration of approximately 44 milligrams per liter and total dissolved solids concentration approximately 359 milligrams per liter. The facility is underlain by Quaternary alluvium and the Triassic Chinle Formations. 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 or at or at the Hobbs district office at 1625 N. French Drive, Hobbs, New Mexico 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.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor
Betty Rivera
Cabinet Secretary

November 26, 2002

Lori Wrotenbery
Director
Oil Conservation Division

<u>CERTIFIED MAIL</u> RETURN RECEIPT NO. 7001-1940-0004-3929-8270

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

RE: Public Notice for Pitchfork Landfarm

Commercial Landfarm Permit Application

NE/4 NE/4 of Section 5, Township 24 South, Range 34 East, NMPM,

Lea County, New Mexico

Dear Mr. Seay:

The New Mexico Oil Conservation Division (OCD) has received the Pitchfork Landfarm application for a commercial waste management facility dated October 28, 2002. The application proposes the construction of a landfarm soil remediation OCD Rule 711 facility. The facility is located in the NE/4 NE/4 of Section 5, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico

Based on the information provided with the application Form C-137 the OCD has prepared a public notice statement that Pitchfork Landfarm must published in the Lovington Daily Leader newspaper. Pitchfork 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, Pitchfork 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.

If you have any questions please do not hesitate to contact me at (505) 476-3488.

Sincerely,

Martyne J. Kieling

Environmental Geologist

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, 1220 South Saint Frances Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Pitchfork 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 the NE/4 NE/4 of Section 5, Township 24 South, Range 34 East, NMPM, 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 52 feet with chloride concentration of approximately 44 milligrams per liter and total dissolved solids concentration approximately 359 milligrams per liter. The facility is underlain by Quaternary alluvium and the Triassic Chinle Formations. 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.

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

(505) 827-7131

Santa Fe, New Mexico 87505 110V 0 5 2002

Environmental Bureau Oil Conservation Division Form C-137 Originated 8/8/95

Submit Original Plus I Čopy to Santa Fe l Copy to appropriate District Office

APPLICATION FOR WASTE MANAGEMENT FACILITY

		(Refer to the OCD Guid	delines for assistance in compl	eting the application)
		Commercial		Centralized
1.	Type:	Evaporation	Injection	Other
		X Solids/Landfarm	Treating Plant	
2.	Operator:	Bert Madera (Pit	tchfork Landfarm)	
		524 Antelope Ridge		
	Contact P	erson: Bert Madera		Phone: (505) 390-9773
3.	Location:	S IN NE /4 NE ubmit large scale topographic	/4 Section 5 Tov	vnship 24 S. Range 34 E.
4.	Is this a m	nodification of an existing facilit	y? 🔲 Yes 🕱 No	
5.	Attach the	name and address of the land	owner of the facility site and l	andowners of record within one mile of the site.
6.	Attach des	scription of the facility with a di	agram indicating location of	fences, pits, dikes, and tanks on the facility.
7.	or ponds, I	signs prepared in accordance w leak-detection systems, aeration ystems, and landfarm facilities.	ns systems, enhanced evapo	e construction/installation of the following: pits ration (spray) systems, waste treating systems,
8.		ontingency plan for reporting a		
9.		outine inspection and maintena	ince plan to ensure permit c	ompliance.
10.		losure plan:	The second s	
11.	Attach geo	ological/hydrological evidence ter. Depth to and quality of gro	demonstrating that disposa und water must be included	of oil field wastes will not adversely impact
12.	Attach pro	of that the notice requirements	of OCD Rule 711 have bee	n met.
13.	Attach a co	ontingency plan in the event of	a release of H _s S.	
14.	Attach suc orders.	h other information as necessa	ary to demonstrate complian	ce with any other OCD rules, regulations and
15.	CERTIFIC	ATION		
	I hereby ce and belief.	ertify that the information subm	litted with this application is	true and correct to the best of my knowledge
	Name:E	ddie W. Seay	Title:A	gent
	Signature:	Ellinatur	Date:	10-30-02

2) Pitchfork Landfarm Bert Madera

- 3) NE 1/4 of the NE 1/4 of Section 5, Tws. 24 S., Range 34 E., Lea Co. a 20 acre tract. (See attached plat)
- 4) No
- 5) Attachment Landowners of Record within 1 mile.
- 6) The 20 acre proposed site will be operated according to OCD guidelines as set forth in the permit.
 - 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 landfarm personnel are on location and only with proper documentation.
 - f) The permit area is located adjacent to Shell Co. Road on the South approximately 1 1/2 miles East of Delaware Basin, West of Jal. There are no pipelines running through the property.
 - g) A sign will be posted at entrance and will detail all the OCD requirements, phone, permit no., name, etc.
- 7) Diagram within.
- 8) Pitchfork Landfarm 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 Pitchfork 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 4-five acre cells in use at time of closure)

Analytical tests for 2 years	
BTEX - 8 quarters - \$40.00 x 4	\$ 1.280
TPH - 8 quarters - \$50.00 x 4	\$ 1,600
Metals - 2 years - \$200.00 x 4	\$ 1,600
Cations/Anions - 2 years - \$100.00 x 2	\$ 400
TOTAL	\$ 4.880

Quarterly sampling, time and labor for 4 cells
Labor at \$50.00 per hour
30 Minutes per cell
4 cells equals 2 hours per sampling event plus 1 hr. for report
3 hrs. x \$50.00 x 8 quarters

TOTAL

\$1,200

Disking for two years every two weeks

Actual disking area approximately 15 acres (roads, buffer zone, pipeline, etc.)

\$30.00 per hr. - 30 min. per acre

15 acres x 30 min. x 26 weeks 2 years = 23400 min. = 390 hrs.

390 hrs. x \$30.00 per hour

TOTAL disking & tilling

\$11,700

Freshwater as needed

\$120.00 per load

\$120 x 5 loads x 8 events in two years

TOTAL

\$ 4,800

Leveling and Contouring Landfarm

D-6 dozer with operator \$75.00 per hr.

1 Hr. per acre.

\$75 x 20 acres

TOTAL

\$ 1,500

Revegetation for 20 acres

Tractor and drill \$30.00 per hr. at 30 min. per acre, 20 acres = \$300

Seed cost & material

10.00 per lb. at 5 lbs. per acre x 20 acres = 1,000

TOTAL REVEGETATION \$ 1,300

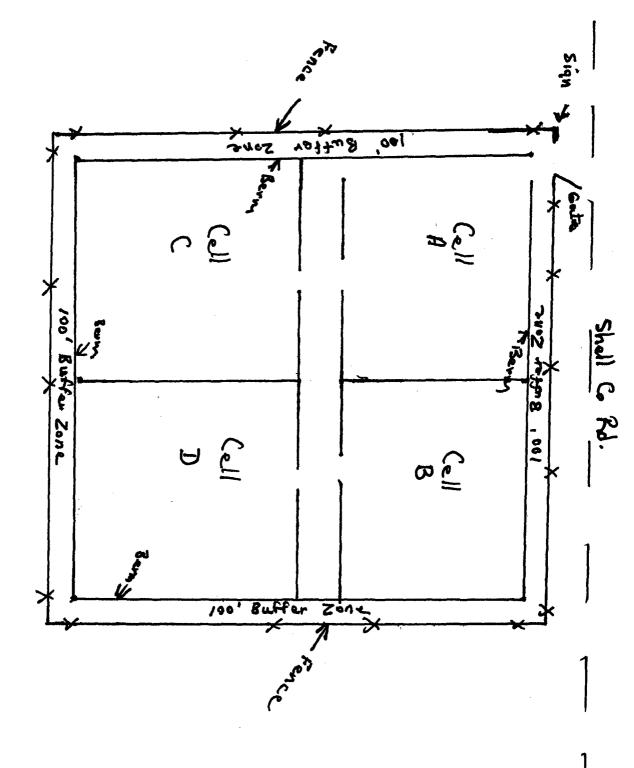
TOTAL ESTIMATED CLOSURE COST WOULD BE = \$23,380

11) Geology - Hydrology

The Antelope Ridge and Bell Lake area is located approximately twenty miles SW of Eunice, NM. This area is relatively flat, sand covered surface, underlain by hard caliche, similar to the Eunice Plains area.

The primary source of drinking water for this area is the alluvium and chinle formations. The top of the alluvium is at approximately 60 ft. with the base at 75 to 80 ft. The top of the chinle formation varies from 200 to 400 ft and as deep as 700 ft. Find within water information from State Engineers Office and water analysis of a nearby windmill in Section 4.

- 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) Pitchfork will adhere to all applicable rules and regulations pertaining to this permit.



Pitchfork Landfarm

4

Pitchfork Landfarm
Sec 5 Two 24.5 Rng 34.E
Lea Co.

3ft Treatment Zone

L RISONS

LANDOWNERS OF RECORD WITHIN 1 MILE AND NOTICE REQUIREMENT

Lea County Commissioner 100 N. Main, Suite. 4 Lovington, NM 88260

State of New Mexico Land Office

(Offset Landowner)

310 Old Santa Fe Trail

Box 1148

Santa Fe, NM 87514-1148

BLM

(Offset Landowner)

620 E. Green St.

Carlsbad, NM 88220

RV Keller, LLC

(Offset Landowner)

2811 County Road 460

Oakley, KS 67748

(Landowner)

Rubert Madera Trust

Pitchfork Cattle Co.

Box 1224

Jal, NM 88252

October 30, 2002

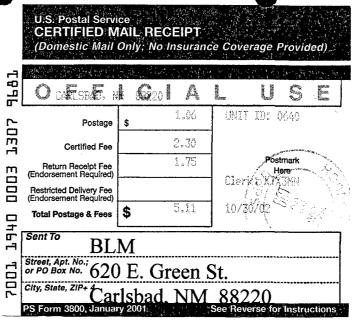
Dear Landowner:

Pursuant to the rules of the NMOCD, Pitchfork Landfarm is seeking application with the New Mexico Oil Conservation Division to operate a commercial land treatment facility. The facility, a 20 acre tract of land, is located in the NE 1/4 of the NE 1/4 of Section 5, Tws. 24 S., Range 34 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 Bert Madera.

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, Box 6429, 1220 S. Saint Francis Dr., Santa Fe, NM 87505, (505)476-3440, within 30 days.

Thank you,

Eddie W. Seay, Agent





Owner# 0051789
MADERA, RUBERT TRUST

|R=res,N=non res| full values NLand 26325 N-Imp 8208

BOX 1224

JAL, NM

88252 0000

Dist 190 fin 000 Taxbl 11511

---PROPERTY DESCRIPTIONS---

CODE/DESCRIPTION QTY RATE 1/3 VALUE

4000517890007

BK-000 PG-00000 SECTION-05 TOWNSHIP-24S RANGE-34E

639.68 AC - ALL

4000517890008

BK-000 PG-00000

SECTION-07 TOWNSHIP-24S RANGE-34E

637.76 AC - ALL

4000517890009

BK-000 PG-00000

SECTION-08 TOWNSHIP-24S RANGE-34E

640.00 AC - ALL

4000517890010

BK-000 PG-00000

SECTION-09 TOWNSHIP-24S RANGE-34E

640.00 AC - ALL

4000517890011

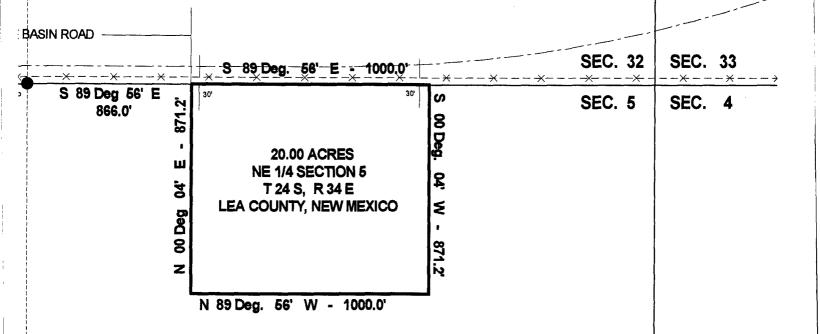
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SECTION-10 TOWNSHIP-24S RANGE-34E

640.00 AC - ALL

CURRENT

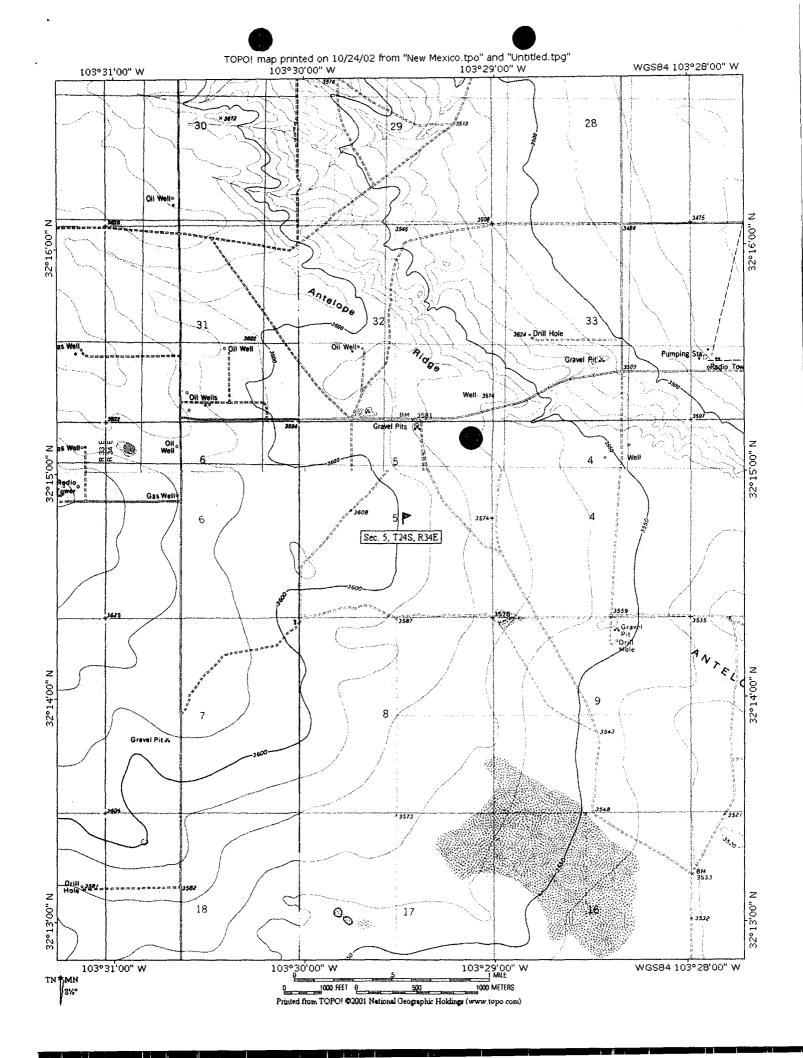
CMD-7=EOJ,9=Reselect



NE 1/4

SE 1/4

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yder)	Yates Pet., etal 9 · 1 · 99 V · 4455 101 <u>92</u>	Conhinental (Bell Lake Unit) ф To 11588 Kaiser- Francis E- 5896 S.1. 589 7,4 Mil.	Spinist Kaiser 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 5 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	Hér 02335 Kaiser Texas West OCG Kaiser (WOX)	Morrow Ext. (Asher Citation Of Co.) (30 Mil.) (30 Mil.) (40 Mil.) (40 Mil.) (40 Mil.) (40 Mil.) (40 Mil.)	Citation 0 E, G Citation Citation OE G Citation H BU 10 C C C C C C C C C C C C C C C C C C
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, Ys)	Richardsen Oil 2-1-li (21 063798	(Richardson 0/1) 9-1-61 (1) T/A 1/2 063993 1/4 / 4/1 Kaiser- Francis	Kaiser-Francis (90) 166 066653 (Bell Loke Ut. 5'	Kaiser-Francis 9-1-59 (2) 061374 	Concho OEG HBC N/2 Concho OEG HBP (MODE) 1864 M (Shell) Concho OEG Hall HBC N/2 Concho OEG HBP (Shell) Concho OEG Hall HBC N/2 (Shell) Concho OEG Hall HBC N/2 (Shell)	Citation OEG Coquing Alexander (April 100)
es, 67 <i>9</i> 0 inyder)	U.S. MI Santa Fe Murchison Delo Sanga Fe B. II 2001 (Marchison)	EOGLK.ÚT.	Rubert Modera (S) Statu A E06 27:2003 E07 1:000 EOG Res. 1-12010 Turkee 4-6-2003 1-10005 Turkee 4-6-2003 1-10005 1-10005	Ruberf Madera 8 U.S., MI Tripor Res HBP	(L.Dunngvant) 9 Fed	MurchisonOst 8 - 19 - 2001 7 - 30 - 2001 17 - 2001 Murchison Ost
on) son-st, seo viil vis	(to 1989) WM15250 Leia Mae Stevens & Betty Jean Halland, M.I. Diamond & Kalf, Inc. (S)	Bell Lake Unit* U.S., MI Rubert Modera,⟨\$\cup\$	4.6-2003 4-16-2003 - Toleos 39116-4 - EOG Res. 606 - ET1-2003 A.W.Hollanz - SIMI EOG Res. 1-1-2010 Rubert Madera	069109 Paseform Poseform Edna M. Page U.S., MI R. Modera, S. Modera, etal.	Resal Bil Markens Landering Nopp 15922 Christma U.S. MI Rote R Modero, etal	5 trata Prod 1 18 200 9 1 2003 Leonard H 6 30 2003 Leonard H 6 30 2003 Alexander, Tr. M. Alexa (1884 M. J. Rubert Modero, et al
on kson Unit ka Disc.)	Richardson Dil ; 2-1-6 (2) 063798 Enron 679 Santa Fe	EOG Res. 825. 5-5-2003 4-19-2003 4-14-2003 7-5-2009 D.W. Ferguson PR.Bess 10 0 2 1 23 2004	(Mobil) Enron 17446 to 14500' HBC (Robert Moderat) E/2	(Selfzer) Kaiser-Francis (Selfzer) Koiser-Francis (Selfzer) Koiser-Francis (Selfzer)	Yotes Pet.etal Yates	Frontain red. Poster Red Res. Poster Red Res. Poster Red Res. Poster Red Res. Poster Res.
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so Pet) kson-Ur rr: Disc) Mill Pisc	23	So,Roy. 4-10-87 U.S. Landretti 10-7-87	33.69Ac 2 172.41 Sa.Roy. Fed. Smith Fed. W/2 1715.12.66	172 41	77741 20380	Rubert Medera) Historical Control of the Month of the Mon
chison (Texaco)	Richard Son Oil 2-1-4 063798	R.E. Midden R.E. Ridge, R.E. R		20 EOG Res. (Superior) 177 41 178 41	Mer- dian Superior (A Marin to 28: 84 1: 1: 83 (Lubbock) Schoner 17241 (Tros. Schoner U.S., MI HBC S/2 Gruy Pet. 50: Roy.	IN TEST 94 HING OIL NOT (EE V. Y.) IST MOT THE BTA TO TO TO TO SEE TO
-5160 ************************************	U.S. MI M.T. Cloy (S) U.S. EOG Res.	U.S. M. III-38-6, 11-19-64, 20	19,14 4 Votes Pet, etal U.S., MI V. 43,57, 27.21 Rubert Madera 19,174 Yetes Pet, etal 6-1-2001 EOG Res.		Madera U.S. 20200 Rubert	Palal Null Rubert Madera, (5) 193492 170
₹es. 558 HBC	HBP (HNG) 19858 #GPETGE (#1081504) EDG Resembled (#1081504) FOR Resembled (#1081504) EDG Resembled (#1081504)	19658 03610 107 <u>92</u>	8752 +91 HBP 3684 2 28881 EOG Res. HBP	EOG Res. EOG Res. 28981 U.S.M.: **Rubert Madera(S)	EOGRES. EOGRES. NZ MBC (INS) INC. Enron 19452 Romer Feb. HBC (19528)	Energen Energen EOG Res 12-200
Ste Drow		©(076) ©(076) OZ. EMILL) OZ. EMILL) OZ. EMILL) OZ. EMILL)			J.A. Yotes Hac J.A. HBP 5/20.5. Yotes HBP 1/20.5. HBP HHG) for what wader 1 15684	Pinergen Works V
2000 598 500	"Triste Draw Fed." : : U.S.	U ₁ S. State	State Leta Dillon, S	U.S., MI M.T. McCloy(5)	M.C.C.y.(S) Exxon Engen	M.T. McCloy(S) (R.E. Lundreth) Johnny G. Jones
Res. -119 -★	EOG Res.	EOG Res. Kirklin 10-4235 Kirklin 10-535-59 00.10-24-59	© GUIF Fed 105540 105541 19854 1	(HNBOIL) HHBP HBP	HBP PISH VAIA M.T. MCOUCH) STOTE MAGEOR FEO (EXXOR) E/2 HBC	EOG Res, etcl to 15435' 16138 enaca HBC W12 (1915) (HNQ) Distriction Appendix Fig. 162 Appendix Append
13 Sobels.	35 #Mil.	36 Enron Olemend	28861 31 TOIS 275. TOIS 260 1 30 TOIS 275. TOIS 260 1 30 TOIS 275. *Diamond-Fed.*	### 32 *********************************	M.J.Horvey.ur. 33	Alchork Fed. 1 100 T.E.Charti- torg pac. 34 Eans M. Page PH 1.00 (EOS, et al.)
l	Triste Draw Fed Muse	22.24Mil. (1941) 2.54M Diagnord St. (1947/8) Tota 410	29306 Paright 1/4	10 15,160 (HNG)	Fxvon I	A Ruher William



GRWES

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۳	32	23	တ	34	ш	44234		SEO	03/08/199	206.86
0	4	24	S	34	Ш	11321		SEO	12/08/197	51.87
В	4	24	S	<u>3</u> 2	Е	21431		SEO	03/20/198	346.00
3	4	24	S	34	Ш	33333		SEO	04/21/195	66.59
>	7	24	S	34	m	22222		SEO	03/13/199	64.12

STATE ENGINEER CHEMICAL QUALITY OF WATER LISTING BY LOCATION

			udus uu vartuur n. N. väätelikki ja ki oli vähustosaatti kassi täätää käätää käätää käätää käätää käätää käätä	HLORIDE	CONDUCT	TEMP		BASIN	REFER
	CATI		COLLECTED	mg/L	M-MHOS	DEG		FILE	FIL
249 298			11/13/72	12200	37100		GAL	<u> </u>	GL O
248 298			5/10/72	11600	35800		GAL	Č	GL O
245 29	E 30	2420	5/10/72	12800	38200		QAL	С	GL O
248 308	E 08	33555	3/12/85	42	538	70F	PRC	C	
248 30	<u> 19</u>	42113	3/12/85	2054	8940	74F	PRC	C	
248 30	21	23144	8/29/85	47	535		PRC	C	
248 301	E 23	312414	3/12/85	26	2254	73F	PRC	С	
245 30	≣ 36	33333	3/12/85	77	815	70F	PRC	C	
245 311	E 17	13120	3/13/85	17	703	62F	GAL	C	
249 318	E 28	443122	8/29/85	64	2213	73F		C	
248 326	: ກາ	3215A	05/02/69	25	680		TRC	c	
248 328		· · · · · · · · · · · · · · · · · · ·	12/19/79	22	690		TRC	Č	
248 328			12/11/84	17	696	70F	TRC	Č	
248 321	: 10	344333	05/02/69	21	330		GAL	•	
248 326	E 10	344333	12/19/79	8	586		GAL	C	
245 328	33	42241	05/02/69	312	5800	<u> </u>	TRC	С	
245 33E	09	234112	05/02/69	23	1420		TOO	13	
248 33E	10	13123	05/02/69	89	2600		TOG	. 1.3 (m. 1)	
245 33E	(A) (A) (A)	 1.1.1.2.6.6.36.46.3 	10/20/76	68 68	2696	65F	TOG	13	
24S 33E			12/06/84	190	2981	<u> </u>	TOG	13	<u> </u>
24S 33E	17	444414	05/02/69	36	760		TOG	13	
24S 33F	17	444414	12/12/79	40	850	72F	TOO	13	THE R. L. S. L. S. C.
248 33E	17	444414	12/06/84	37	863	70F	TOS	13	
24S 33E	24	44444	12/20/79	76	3579		QAL	13	A CONTRACTOR CONTRACTO
245 33E	24	44444	12/07/84	145	3769		QAL	13	
		23231		278	2414	66	TRS	13	
245 33E	. 33	23231	12/11/84	365	2817	68F	TRS	13	
24S 34E	04	21431	05/17/66	37	750		TRS	13	
24S 34E			12/19/79	184	1384		TOG	13	
245 34E	07	55555	12/11/84	199	1402	60F	TOG	13	
040 045	30	11221	11/02/65	461	2515	68F	TOA	13	e e e e e e e e e e e e e e e e e e e



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS. NM 88240

ANALYTICAL RESULTS FOR EDDIE SEAY CONSULTING ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88242

FAX TO:

Receiving Date: 10/17/02 Reporting Date: 10/23/02

Project Owner: B. MADERA

Project Name: MADERA LANDFARM

Project Location: W. JAL

Analysis Date: 10/22/02 Sampling Date: 10/17/02

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NUMBER SAMPLE ID

TPH (mg/L)

H7139-1 M	ADERA #1	<1.0
· · · · · · · · · · · · · · · · · · ·		
Quality Control	-	413
True Value QC		400
% Recovery		103
Relative Percent Diff	ference	3.9

METHOD: EPA 418.1

Chemist

Date





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS. NM 88240

ANALYTICAL RESULTS FOR **EDDIE SEAY CONSULTING** ATTN: EDDIE SEAY 601 W. ILLINOIS HOBBS, NM 88242

FAX TO:

Receiving Date: 10/17/02 Reporting Date: 10/21/02 Project Number: MADERA

Project Name: MADERA LANDFARM

Project Location: W. JAL

METHODS:

EPA 600/4-79-020.

Standard Method

Sampling Date: 10/17/02

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

LAB NUMBE SAMPLE ID	P-Alkalinity (mg/L)	T-Alkalinity (mg/L)	Hardness (mg/L)	Chloride (mg/L)	Sulfates (mg/L)	pH (s.u.)
ANALYSIS DATE	10/18/02	10/18/02	10/18/02	10/18/02	10/18/02	10/18/02
H7139-1 MADERA #1	0	255	166	44	73	7.60
Quality Control	NR	NR	48	970	49.34	6.94
True Value QC	· NR	NR	50	1000	50.00	7.00
% Recovery	NR	NR	96.0	97.0	98.7	99.1
Relative Percent Difference	NR	NR	0	8.0	0.2	0
METHODS: EPA 600/4-79-02	0	-	130.2	-	375.4	150.1
Standard Method		2320 B	-	4500-CI-B	-	_
LAB NUMBE SAMPLE ID	Hydroxides (mg/L)	Carbonate: (mg/L)	Bicarbonat (mg/L)	Conductivity (umhos/cm)	TDS (mg/L)	
ANALYSIS DATE	10/18/02	10/18/02	10/18/02	10/18/02	10/21/02	
H7139-1 MADERA #1	0	0	311	665	359	,
Quality Control	NR	NR	991	1489	NR	
True Value QC	NR	NR	1000	1413	NR	
% Recovery	NR	NR	99.1	105	NR	
Relative Percent Difference	NR NR	NR	0	0.3	8.8	

160.1

120.1

2320 B

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates praysors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

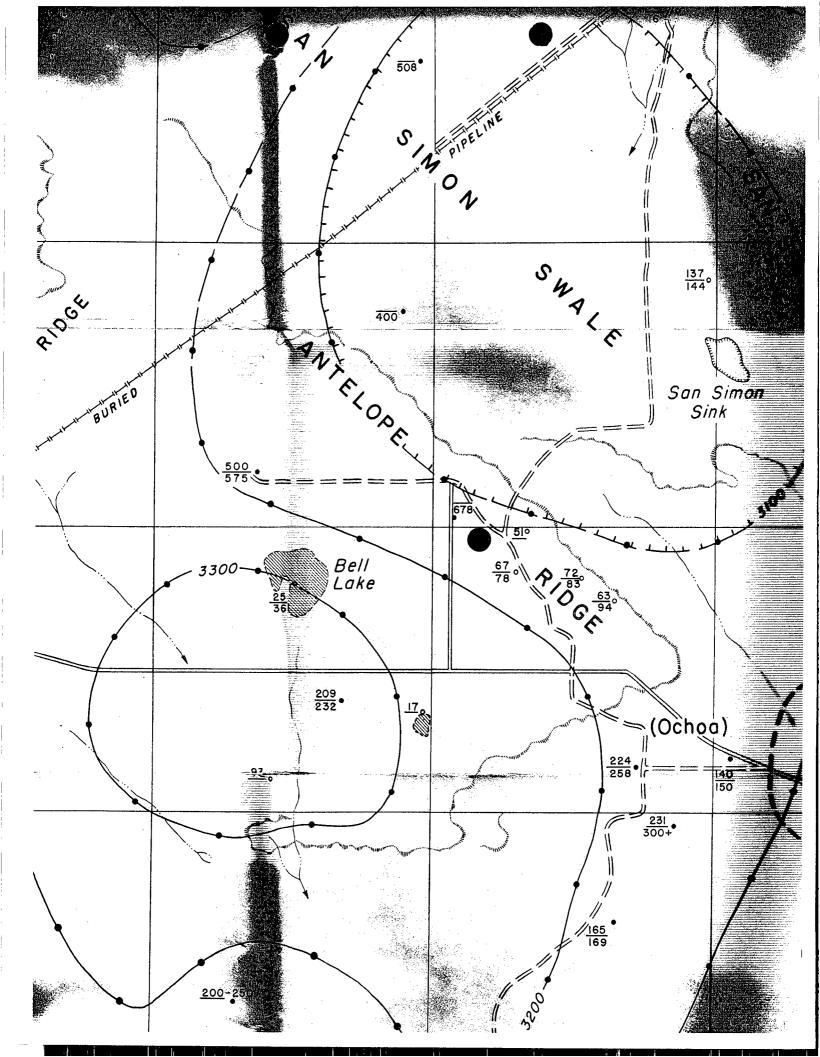
2320 B

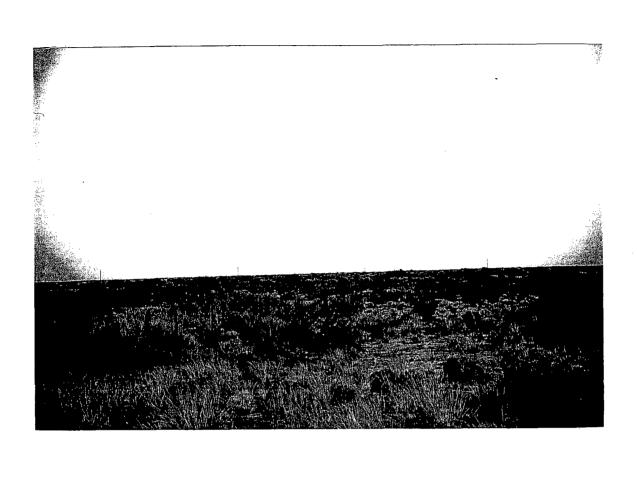
2320 B

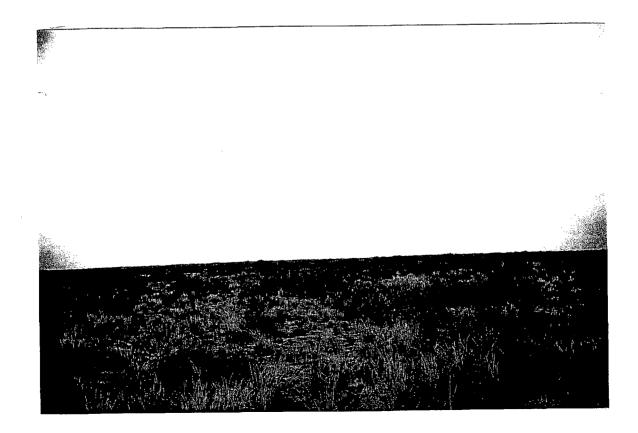
ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax 1915) 673-7020 (505) 303-2326 Fax (505) 303-2476

	1007-679 (618)	5/3-/001 Fax (815) 6/3-/020 (50	(505) 393-2326 Fax (505) 393-2476	93-2476		Page	of
Company Name:	da - 5	an Consutting			ANA	ANALYSIS REQUEST	
Project Manager:	St. C. E.	2	BILL 10 PO#	**			
Address: (a 9 (E. 41	MAN	Company:				
City: 116th	State: VYZip:	Mzb: 82.75	Attn:				
Phone #: 2 - 7	7236	ļ	Address				
Fax#:	 		City:				
project #: Madeva	المحر Project Owner:	wner: 13. Madera					
Project Name: Mc	Joseph Lau	3					
ž	争工。		Fax#:		<u>m</u>		
		MATRIX			<u>re</u> 		
		RS ER		1	CF		
LAB I.D.	Sample I.D.	GRAPOR (C CONTAINER GROUNDWAT WASTEWATE GOIL DIL	CLUDGE OTHER: CCID: CE/COOL OTHER:	TPH	Gen		
H7139-1	Madera, #1	//	«				1
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LEASE NOTE: Lister and Dam	can Cardina's lability and chart's	PLEASE NOTE: LINEWAY and Demons. Curring's lineway and observe and the second s					
analyses. All dalms Including those service. In no event shall Cardnel t	for negligance and any other cause a lable for incidental or conseque:	analyses. All datine including those for negligance and any other cause whatsoever shall be deemed waived unless made in willing and received by Cardiari within 30 days safe completion of the explicable service. In no event shall Cardinal be lattle for including in consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clerk, its subsidiaries.	eds in writing and received by Cardinal with	ne amount paid by the clent for the n 30 days after completion of the a s incurred by clent, its subsidiaries	picatile	Terms and Conditions: Interest will be charged on all accounts more than 30 days pest due at the rate of 24% per annum from the original date of involce and all costs of collections. In the state of the control of	on all accounts more than rom the original date of involce,
Sampler Relinquishe	d: N	Sampler Relinquished: Date: 16/17 Received By: Phone Result Yes	nemer such claim is breed upon any of the	Phone Result Ye	□ No Additions	Fax#:	
Mi wall		Time: /2:36		Fax Result: Yes	S II No		
Relinquished By:			: (Lab Staff)		5		
Delivered By: (Circle One)		\$ 2 8 2	dition CHECKED BY:	(water	(bass)		ï
Sampler - UPS - Bu	Bus - Other:		Yes (Initials)				

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