

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator Conoco Inc.		Well API No. 300392154200
Address 3817 N.W. Expressway, Oklahoma City, OK 73112		
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Other (Please explain) <input type="checkbox"/> Recompletion <input type="checkbox"/> Change in Transporter of: Change in Operator <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/>		
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name HCL Apache J	Well No. 21A	Pool Name, Including Formation BLANK MECAVERDE (BAS)	Kind of Lease State, Federal or Fee INDIAN	Lease No. C-147
Location Unit Letter N : 1150 Feet From The S Line and 1820 Feet From The W Line Section 5 Township 25N Range 5W, NMPM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil GIANT REFINING CO.	or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) 23733 N. Scottsdale Rd, Scottsdale AZ 85255				
Name of Authorized Transporter of Casinghead Gas GAS COMPANY OF NEW MEXICO	or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1899, Bloomfield, NM 87413				
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?
					YES	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls. OCT 2 1990	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature J. E. Barton	Administrative Supr.
Printed Name J. E. Barton	Title (405) 948-3120
Date 9-10-90	Telephone No.

OIL CONSERVATION DIVISION

Date Approved OCT 03 1990

By [Signature]
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

17-12-99
BTEX

Denny S. Faust
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

FEB 08 1999

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>PNM Gas Services (WFS)</u>		Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>			
Facility or Well Name: <u>Ax Apache J-21A Drip</u>			
Location:	Unit: <u>N</u>	Sec. <u>5</u>	T. <u>25 N</u> R. <u>5 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <u> </u>	Dehydrator <u> </u>	Other <u>Line Drip</u>
Land Type:	<u>Jicarilla Apache</u>		
Pit Location:		Pit dimensions: length <u>20'</u> width <u>20'</u> depth <u>3'</u>	
(Attach diagram)		Reference: wellhead <u> </u> other <u>Drip Riser</u>	
		Footage from reference: <u>15'</u>	
		Direction from reference: <u>DUE</u> Degrees <u>X</u> East of North <u> </u>	
		<u> </u> West of South <u> </u>	
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)			
		Less than 50 feet	(20 points)
		50 feet to 99 feet	(10 points)
		Greater than 100 feet	(0 points)
			<u>Ø</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)			
		Yes	(20 points)
		No	(0 points)
			<u>Ø</u>
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
		Less than 200 feet	(20 points)
		200 feet to 1,000 feet	(10 points)
		Greater than 1,000 feet	(0 points)
			<u>Ø</u>
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet)			
		Less than or equal to 100 feet	(10 points)
		Greater than 100 feet	(0 points)
			<u>Ø</u>
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)			
		Less than or equal to 100 feet	(10 points)
		Greater than 100 feet	(0 points)
			<u>Ø</u>
RANKING SCORE (TOTAL POINTS):			<u>Ø</u>

RECEIVED
FEB - 1 1999
OIL CON. DIV
DIST. 3

Date Remediation Started: 7/20/98Date Completed: 11/2/98Remediation Method: Excavation XApprox. Cubic Yards 155

(Check all appropriate sections)

Landfarmed XAmount Landfarmed (cubic yds): 155

Other _____

Remediation Location: Onsite _____

Offsite Avi Apache J-21A

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed Contaminated Soil from all four side walls as to get a below 100ppm headspace reading. Pit bottom is sandstone Rock 3PT Composite of Pit bottom
EXCAVATION SIZE 22'x19'x10'

Ground Water Encountered:

No X

Yes _____

Depth _____

Final Pit Closure Sampling:

Sample Location

North, East, South, West side walls and Pit bottom

Sample depth

10'

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample date

7/20/98

Sample time

1450

Sample Results

Soil: Benzene (ppm) 4.800

Water: Benzene (ppb) _____

Total BTEX (ppm) 96.100

Toluene (ppb) _____

Field headspace (ppm) 1778

Ethylbenzene (ppb) _____

TPH 640 ppm Method 8015

Total Xylenes (ppb) _____

Ground Water Sample:

Yes _____

No X

(If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE

7/28/98

PRINTED NAME

Roy Burnham

SIGNATURE

Roy Burnham

AND TITLE

Environmental Technician II

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X

NO _____

(REASON):

R.A. Attached (KS)

SIGNED:

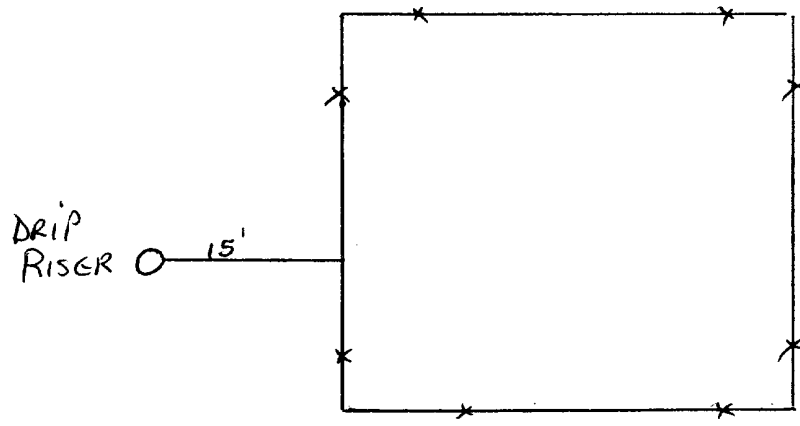
Ken C. Mammall

DATE:

9-23-98

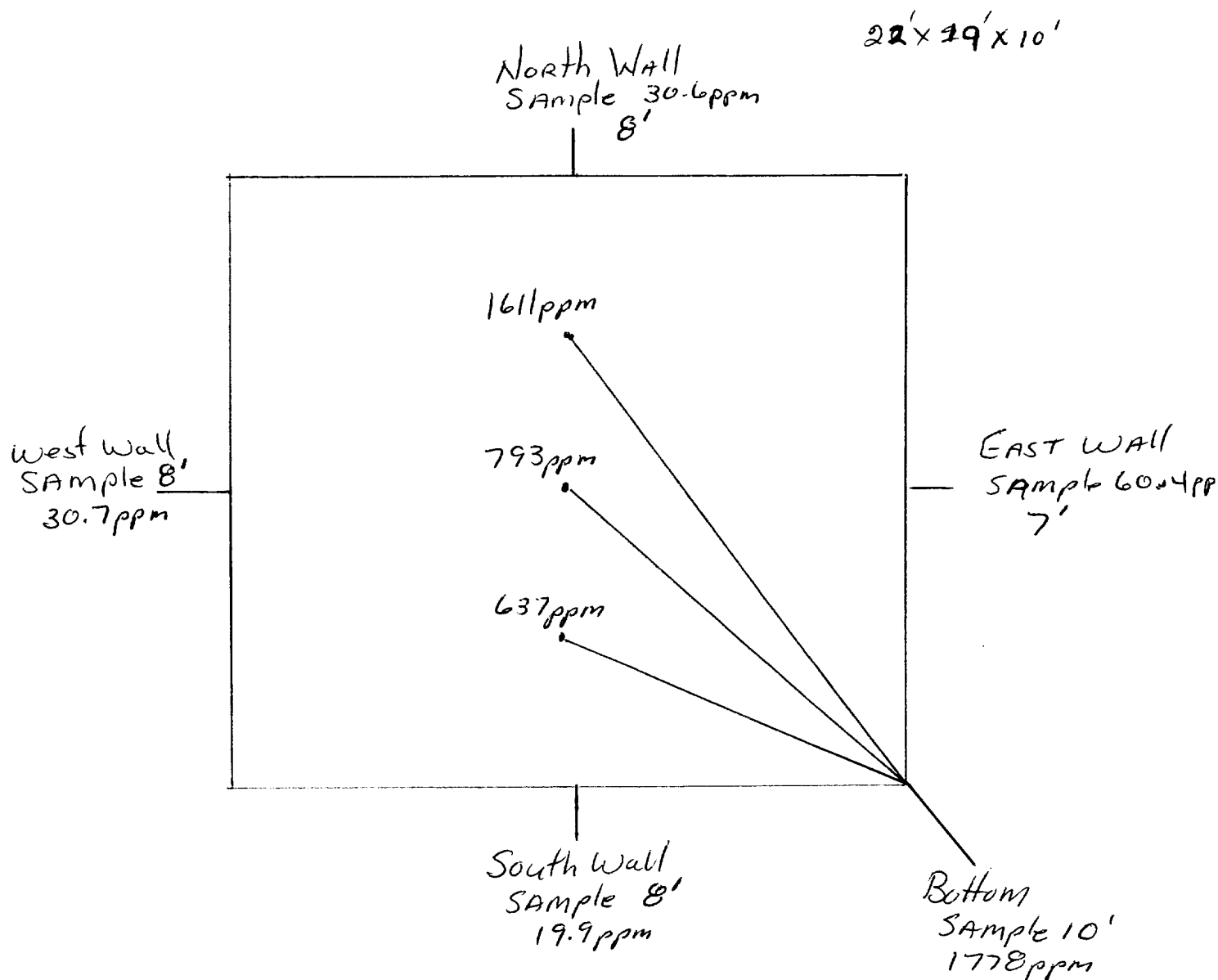
Hx, HPACHE 3-2111 UNIT
Sec 5 T-25N R-5W Unit N
WFS

Site Drawing



Hy. HACHE J-21A DRIP
Sec-5 T-25N R-5W unit-N
WFS

EXCAVATION DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9807061

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-21A Drip
Work Order:	9807061	Client Sample ID:	9807201450; 3pt. Comp. Bottom
Lab ID:	9807061-06A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 2:50:00 PM
		COC Record:	7067

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	640	25		mg/Kg	1	7/28/98
BTEX		SW8020A				Analyst: DC
Benzene	4800	500		µg/Kg	500	7/22/98
Toluene	46000	1000		µg/Kg	500	7/22/98
Ethylbenzene	4100	500		µg/Kg	500	7/22/98
m,p-Xylene	35000	1000		µg/Kg	500	7/22/98
o-Xylene	6200	500		µg/Kg	500	7/22/98

96100
96.100 ppm

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr - Surrogate

1 of 1

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-21A Drip
Work Order:	9807061	Client Sample ID:	9807201449; 4pt. Comp. Walls
Lab ID:	9807061-05A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 2:49:00 PM
		COC Record:	7067

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/24/98

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

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Environmental Services

Well Name:	Axi Apache J #21A Drip
Well Legals:	Unit N, Sec 5, T25N, R5W
Pit Type:	Line Drip
Horizontal Distance to Surface Water:	Less than 200 feet
Groundwater Depth:	Greater than 1,000 feet

RISK ANALYSIS

PNM requests closure of their former pit on the Axi Apache J #21 A Drip well site using a limited risk analysis based on the following conditions:

1. Groundwater is estimated to be at a depth of 186' feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash. (Reference: Gonzales Mesa, NM series 7.5 minute topographic map.)
2. The site is located outside of the "vulnerable area" as defined under OCC Order No. R-7940-C.
3. PNM excavated 155 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached map and analytical results for the side wall profiles). Source removal minimizes the possibility of surface water contamination.
4. Sandstone was encountered at 10' feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
5. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Axi Apache J #21 A Drip well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 800 pits.

JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

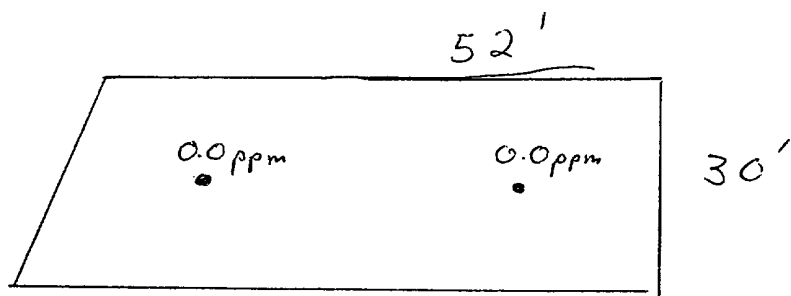
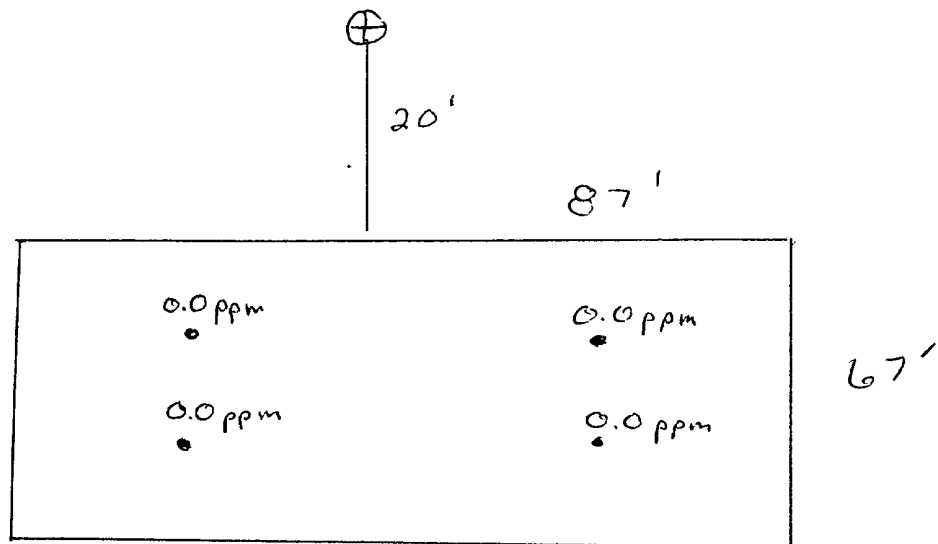
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (<u>WFS</u>) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache J-21A DRIP</u>	
Location: Unit: <u>N</u> Sec. <u>5</u> T. <u>25 N</u> R. <u>5 W</u> County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>7/20/98</u> Date Completed: <u>10/8/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>155</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>Ø</u> Distance to an Ephemeral Stream: (pts.) <u>Ø</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>Ø</u> Wellhead Protection Area: (pts.) <u>Ø</u> Distance to Surface Water: (pts.) <u>Ø</u> Ranking Score (Total Points): <u>Ø</u>	Final Closure Sampling: Sampling Date: <u>9/30/98</u> Time <u>1328</u> Sampling Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>ND</u> Method <u>8015</u> Other <u> </u>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>10/25/98</u> PRINTED NAME <u>Roy Burnham</u>	
SIGNATURE <u>Roy Burnham</u> AND TITLE <u>Environmental Technician II</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u> </u>	
SIGNED: <u>Ken C Maull</u> DATE: <u>11-2-98</u>	

HY: Apache J-21A Drip
Sec-5 T25N R-5W 4C N
- WFS

LANDFARM DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-21A Drip LF
Work Order:	9810006	Client Sample ID:	9809301328; 6pt. Composite
Lab ID:	9810006-02A	Matrix:	SOIL
Project:	Jicarilla Landfarms	Collection Date:	9/30/98 1:28:00 PM
		COC Record:	7510

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/8/98

Qualifiers:

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1 of 1

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