

Kenney & But
DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Burlington Resources) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla J-15
Location: Unit: m Sec. 25 T. 26 N R. 5 W County Rio Arriba
Pit Type: Separator X Dehydrator Other
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20 width 20 depth 3
(Attach diagram) Reference: wellhead X other
Footage from reference: 80'
Direction from reference: 70° Degrees East of North
X West of South X

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)

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)

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)

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)

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)

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: 10/21/98 Date Completed: 12/15/98 ^{RAD}
10/23/98

Remediation Method: Excavation X Approx. Cubic Yards 2343

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 2343

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action:

Removed contaminated soil from 4 side walls
as to get a below 100 ppm head space reading
Dug bottom of pit to 30' depth and sampled.
Final excavation dimensions: 37' X 57' X 30'. (HS)

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

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

Sample Location north wall, south wall, East wall & West wall
Bottom 3 ft. comp.

Sample depth 30'

Sample date 10/23/98 Sample time 1235

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) ND Toluene (ppb) _____

Field headspace (ppm) 136 ppm Ethylbenzene (ppb) _____

TPH ND ppm Method TPH-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 10/23/98

PRINTED NAME GARY COOK

SIGNATURE Gary Cook

AND TITLE Environmental Technician III

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

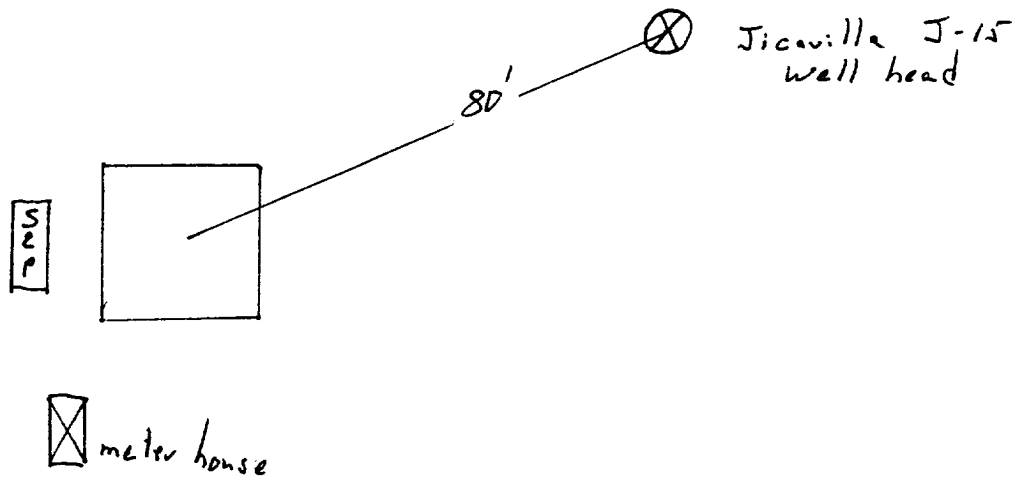
APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kim C. M... .. DATE: 11-30-98

Jicavilla J-15
Burlington Resources
Sec. 25, 26 N, 5 W, M

10/21/98

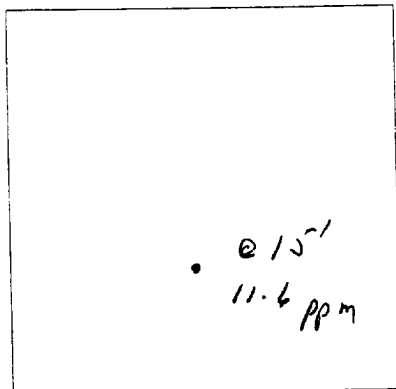
Site Drawing:



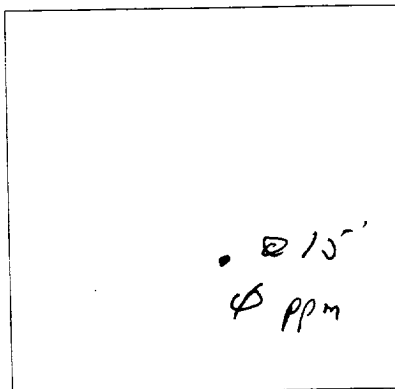
Jicavilla J-15
BR
Sec. 25, 26N, 5W, m

10/21/98

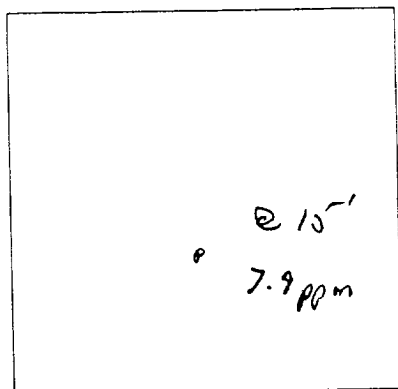
North Wall



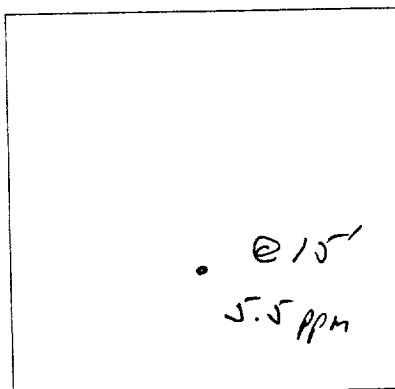
South Wall



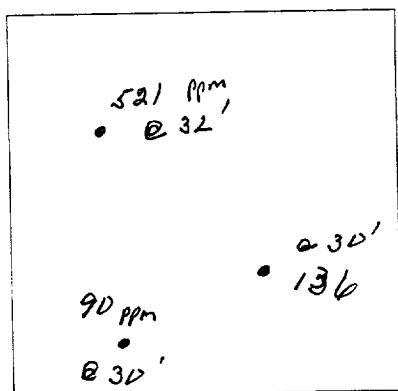
East Wall



West Wall



Bottom



3 point comp.

head space reading = 136 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-Nov-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla J-15
Lab Order: 9810068

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: 04-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-15
Work Order:	9810068	Client Sample ID:	9810231235; Bottom @ 30ft.
Lab ID:	9810068-02A	Matrix:	SOIL
Project:	Jicarilla J-15	Collection Date:	10/23/98 12:35:00 PM
		COC Record:	7410

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/30/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	10/28/98
Toluene	ND	2		µg/Kg	1	10/28/98
Ethylbenzene	ND	1		µg/Kg	1	10/28/98
m,p-Xylene	ND	2		µg/Kg	1	10/28/98
o-Xylene	ND	1		µg/Kg	1	10/28/98
		<u>7</u>				

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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-15
Work Order:	9810068	Client Sample ID:	9810231230; Walls @ 15ft.
Lab ID:	9810068-01A	Matrix:	SOIL
Project:	Jicarilla J-15	Collection Date:	10/23/98 12:30:00 PM
		COC Record:	7410

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	40	25		mg/Kg	1	10/30/98

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
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Surr: - Surrogate

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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Burlington) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla J-15
Location: Unit: m Sec. 25 T. 26 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 10/21/98 Date Completed: 10/25/98 12/15/98
Remediation Method: Landfarmed X Approx. cubic yards 2343
Composted
Other

Depth to Ground Water: (pts.) 0
Distance to an Ephemeral Stream: (pts.) 0
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance to Surface Water: (pts.) 0
Ranking Score (Total Points): 0

Final Closure Sampling:

Sampling Date: 11/16/98 Time 1140
Sampling Results:
Field Headspace (ppm) 7.8 ppm
TPH (ppm) NO Method TPH-8015
Other

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

DATE 12/2/98 PRINTED NAME Roy Burnham Gary Cook
SIGNATURE Mary Cook AND TITLE Environmental Technician II

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES X NO (REASON) use as Backfill

SIGNED: K. C. Mendenhall DATE: 12-15-98

Jicarilla J-15

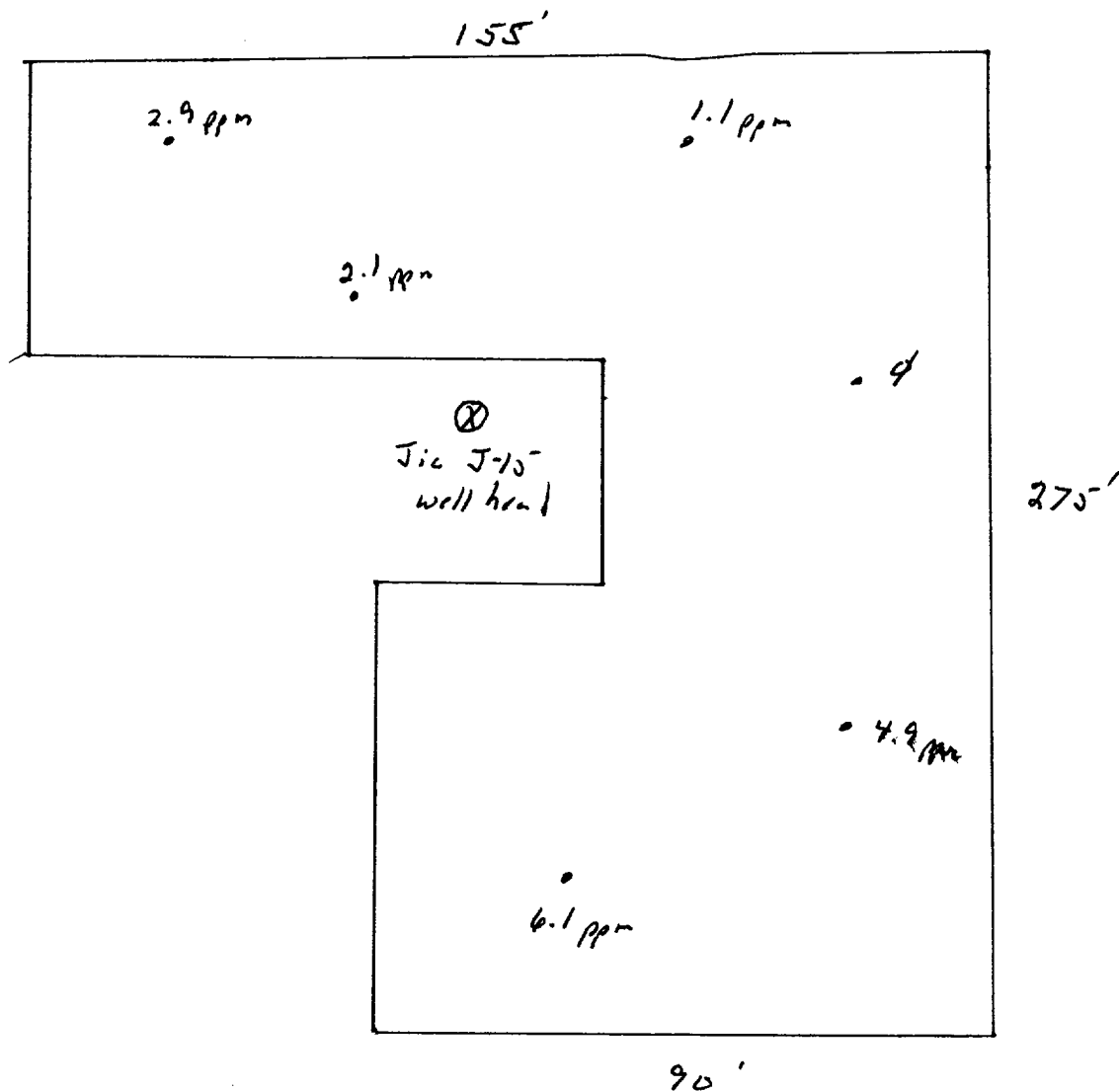
10/21/98

OR

Sec. 25, 26 N, 5W, m

Landfarmed: On location (23x3 yards)

↑
N



2'-15" depth
soil vapor headspace = 7.8 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811056

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: 24-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-15 LF
Work Order:	9811056	Client Sample ID:	9811161140 6pt Composite
Lab ID:	9811056-05A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/16/98 11:40:00 AM
		COC Record:	7402

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/23/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

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