

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OK
LF see
Injection pit

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator : Synergy Operating, LLC. Telephone: (505) 325-5449

Address: P.O. Box 5513 Farmington, NM 87499

Facility Or: Santa Fe H 20 #1

Well Name

Location: Unit or Qtr/Qtr Sec G Sec 20 T 21N R 8W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM _____ State _____ Fee X Other _____

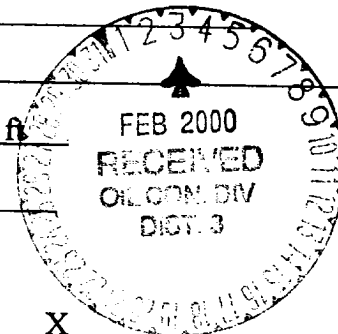
Pit Location:
(Attach diagram)

Pit dimensions: Length 48 ft width 18 ft depth 14 ft

Reference: wellhead _____ other P & A Marker

Footage from reference: 100 ft

Direction from reference: 65 Degrees _____ East North X
_____ of
X West South _____



Depth to Ground Water: >100 feet
(vertical distance from
contaminants to seasonal
highwater elevation of
ground water)

_____	Less than 50 feet	(20 points)	
_____	50 ft to 99 feet	(10 points)	
<u>X</u>	Greater than 100 feet	(0 points)	<u>0</u>

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)	
<u>X</u>	No	(0 points)	<u>0</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 1000 feet	(10 points)	
<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>

P:\pits\PrC@.WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 12/9/99 Date Completed: 12/20/99

Excavation X Approx. cubic yards 381

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 12/9/99, the pit was excavated to a depth of 14 feet.
A composite soil sample was obtained from the bottom of the pit at 14 feet, utilizing
U.S.E.P.A. protocol and sent to IML for GRO/DRO analysis. Excavated soils were
landfarmed on-site. The landfarm was tested and provided concentrations below NMOCD
guidelines.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:

Closure Sampling:
(if multiple samples,
attach sample results

and diagram of sample
locations and depths)

Sample location Bottom Composite

Sample depth 14 feet

Sample date 12/9/99

Sample time 15:30

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 96

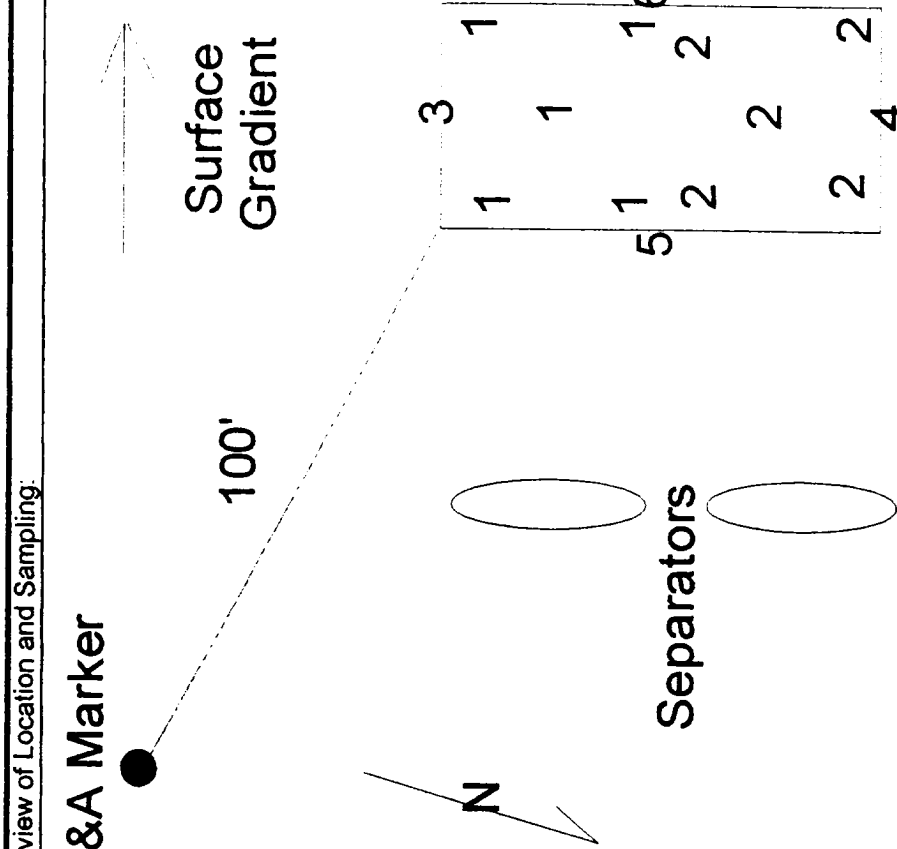
TPH 511

Ground Water Sample: Yes _____ No X (if yes, attach sample results)

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

DATE 1/5/2000 PRINTED NAME Virgil Chavez

SIGNATURE Virgil Chavez and TITLE Environmental Specialist

Overview of Location and Sampling:																																									
Location: <u>Santa Fe H 20 #1</u> Quad: <u>G</u> Section: <u>20</u> Township: <u>21N</u> Range: <u>8W</u>	P&A Marker 100' Surface Gradient Separators 																																								
Pit: <u>Separator</u> Reference: <u>100' North 65° West</u> <u>of P&A marker</u> Initial Size: <u>40' x 15' x 3' deep</u> Final Size: <u>48' x 18' x 14' deep (avg)</u> Yds. Excavated: <u>381 cubic yards</u> Depth to Groundwater: <u>>100'</u> Nearest Water Source: <u>>1000'</u> Nearest Surface Water: <u>>1000'</u> NMOCD Ranking Score: <u>0</u> TPH Closure Standard: <u>5000</u>	<table border="1" style="width:100%"><thead><tr><th>Sample #</th><th>Location</th><th>OVM</th></tr></thead><tbody><tr><td>1</td><td>Btm. Comp @ 16'</td><td>96</td></tr><tr><td>2</td><td>Btm. Comp @ 12'</td><td>91</td></tr><tr><td>3</td><td>S. Wall @ 8'</td><td>87</td></tr><tr><td>4</td><td>N. Wall @ 6'</td><td>76</td></tr><tr><td>5</td><td>E. Wall @ 6'</td><td>98</td></tr><tr><td>6</td><td>W. Wall @ 6'</td><td>90</td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>10</td><td></td><td></td></tr><tr><td>11</td><td></td><td></td></tr><tr><td>12</td><td></td><td></td></tr></tbody></table>	Sample #	Location	OVM	1	Btm. Comp @ 16'	96	2	Btm. Comp @ 12'	91	3	S. Wall @ 8'	87	4	N. Wall @ 6'	76	5	E. Wall @ 6'	98	6	W. Wall @ 6'	90	7			8			9			10			11			12			Comments: <u>Sent sample #1 to Inter-Mountain Labs for 8015 GRO/DRO analysis.</u>
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Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client: Synergy Operating, LLC

Project: Snake Eyes - Sep. Pit

Sample ID: Bottom @ 16'

Lab ID: 0399W05985

Matrix: Soil

Condition: Cool/Intact

Date Reported: 12/15/99

Date Sampled: 12/09/99

Date Received: 12/10/99

Date Analyzed: 12/14/99

Parameter	Analytical Result	PQL	Units
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GRO - Method 8015AZ

Gasoline Range Organics	6	5	mg/Kg
Gasoline Range Organics as Gasoline	6	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
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4-Bromofluorobenzene(SUR-8015)	129	70 - 130
a,a,a-Trifluorotoluene(SUR-602)	108	70 - 130

Reference: Method 8015AZ, C10 - C32 Hydrocarbons in Soil, Arizona Department of Health Services, Revision - 1.0, 09/25/98.

Reviewed By:

William Lipps



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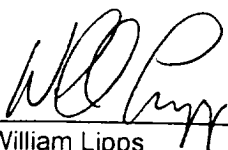
Date Received: 12/10/99

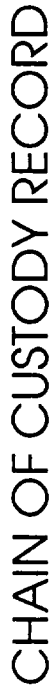
Date Analyzed: 12/13/99

Parameter	Analytical Result	PQL	Units
Diesel Range Organics (C10 - C22)	505	5	mg/Kg
Quality Control - Surrogate Recovery		QC Limits	
o-Terphenyl(SUR-8015)	101	70 - 130	

Reference: Method 8015AZ, C10 - C32 Hydrocarbons in Soil, Arizona Department of Health Services, Revision - 1.0, 09/25/98.

Reviewed By


William Lipps



CHAIN OF CUSTODY RECORD

[illegible]