

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

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: Papers Wash Unit # 2
Well Name _____
Location: Unit or Qtr/Qtr Sec H Sec 16 T 19N R 5W County McKinley
Pit Type: Separator _____ Dehydrator _____ Other Reserve
Land Type: BLM _____ State X Fee _____ Other _____

Pit Location: Pit dimensions: Length 25 ft, width 25 ft, depth 3 ft
(Attach diagram)
Reference: wellhead X other _____
Footage from reference: 36 ft
Direction from reference: _____ Degrees _____ East North 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>

Date Remediation Started: 7/11/2000 Date Completed: 7/11/2000

Excavation X Approx. cubic yards 93

Landfarmed _____ Insitu Bioremediation _____

Other Diluted on location to or exceeding Guidelines

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 7/11/00, the pit was excavated to a depth of 7 feet.

A soil sample was obtained from the center bottom of the pit at
a depth of 7 feet utilizing U.S.E.P.A. protocol and evaluated for GRO/DRO analysis.
Excavated soils were diluted on site. The impacted area 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 Center Bottom

Sample depth 7 feet

Sample date 7/11/00

Sample time 10:50

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 35

TPH <248

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 9/4/2000 PRINTED NAME Frank McDonald

SIGNATURE [Signature] and TITLE Environmental Specialist

Client: Synergy Operating, LLC

Date Began: 7/11/2000 Date End: 7/11/2000

Location: <u>Papers Wash Unit # 2</u>		Site Diagram:	
Unit Letter: <u>"H"</u> Sec. <u>16</u> Twn. <u>19N</u> Rng. <u>5W</u>			
API # <u>30-031-20522</u>			
Pit Reference from Wellhead:			
<u>36 ft North</u>			
Pit: <u>Reserve</u>			
Initial size: <u>25' x 25' x 3' deep</u>			
Final Size: <u>25' x 25' x 7' deep</u>			
Total Cubic Yards: <u>93</u>			
Distances from (ft):			
Groundwater: <u>>100 ft</u>			
Wellhead Protection Area: <u>>1000 ft</u>			
Nearest Surface Water: <u>>1000 ft</u>			
Distance to ephemeral stream: <u>>1000 ft</u>			
Ranking Score (points): <u>0</u>			

Sample ID	Sample Depth (ft)	OVM Reading
1	ctr bottm @ 7'	35 ppm
2	N wall @ 7'	12 ppm
3	E wall @ 7'	9 ppm
4	S wall @ 7'	28 ppm
5	W wall @ 7'	30 ppm
6		
7		
8		
9		
10		

Comments:	
Topography is flat. Soil is a brown sand with some clay loam.	
Dark staining occurs throughout first 6 inches.	
Sample from center bottom @ 7 ft sent to IML for 8015	

Not to Scale	
N	S

Environmental Specialist: FM



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Synergy Operating, LLC

Project: Papers Wash #2 Pit

Sample ID: Center Bottom @7ft

Lab ID: 0300S02773

Matrix: Soil

Condition: Cool/Intact

Date Reported: 07/24/00

Date Sampled: 07/11/00

Date Received: 07/12/00

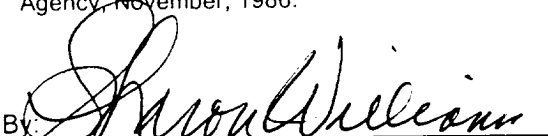
Date Analyzed: 07/18/00

Parameter	Analytical Result	PQL	Units
GRO - METHOD 8015AZ			
Gasoline Range Organics(C6-C10)	<20	20	mg/Kg
Gasoline Range Organics as Gasoline	<20	20	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8015B)	80	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By:


Sharon Williams, Organic Lab Supervisor



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

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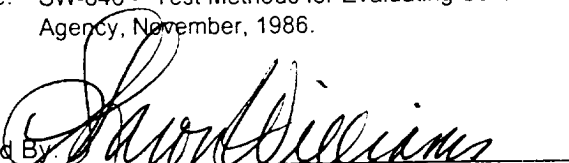
Date Analyzed: 07/21/00

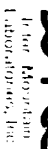
Parameter	Analytical Result	PQL	Units
Diesel Range Organics (C10 - C22)	228	20	mg/Kg
Diesel Range Organics as Diesel	228	20	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	109	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By:


Sharon Williams, Organic Lab Supervisor



CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSES / PARAMETERS	
Sample: (Signature)		Chain of Custody Tape No.		Remarks	
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers
1633 Terra Avenue	7/11/00	1215	2773	Soil	1
<div>Relinquished by: (Signature)</div> <div>Relinquished by: (Signature)</div> <div>Relinquished by: (Signature)</div>					
Date		Time	Received by: (Signature)		Date
Date		Time	Received by: (Signature)		Date
Date		Time	Received by laboratory: (Signature)		Date

555 Absaraka

Sheridan, Wyoming 82801

Telephone (307) 674-7506

1633 Terra Avenue

Sheridan, Wyoming 82801

Telephone (307) 672-8945

1701 Phillips Circle

Gillette, Wyoming 82718

Telephone (307) 682-8945

2506 West Main Street

Farmington, NM, 87401

Telephone (505) 326-4737

11183 State Hwy 30

College Station, TX 77845

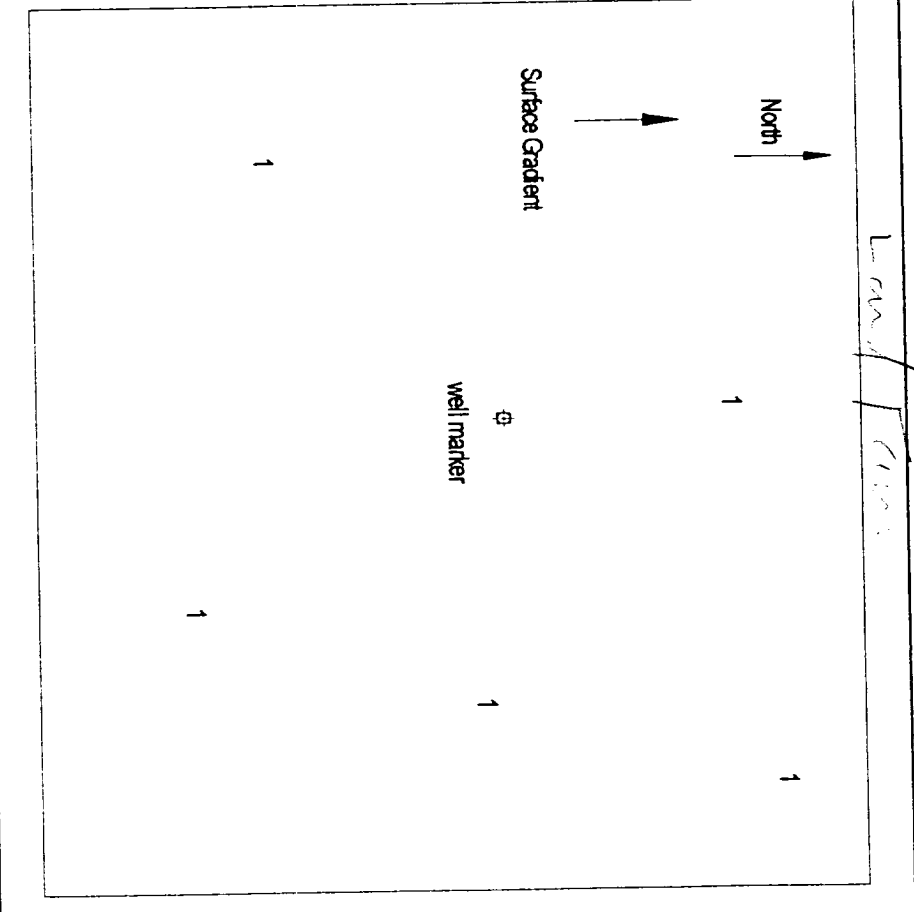
Telephone (979) 776-8945

Inter-Mountain Laboratories, Inc.

07500

Client: Synergy Operating, LLC

Date Began: 7/11/2000 Date End: 7/22/2000

Location: Papers Wash Unit # 2		Site Diagram:
Unit Letter: "H"	Sec. 16 Twn. 19N Rng 5W	 <p>Land Area</p> <p>Not to Scale</p>
API # 30-031-20522		
Pit Reference from Wellhead:		
36 ft North		
Pit: Reserve		
Landfarm size: 150' x 150' x 3" deep		
Total # of 5-point composite samples 1		
Total Cubic Yards: 93		
Distances from (ft):		
Groundwater:	>100 ft	
Wellhead Protection Area:	>1000 ft	
Nearest Surface Water:	>1000 ft	
Distance to ephemeral stream:	>1000 ft	
Ranking Score (points):	0	
Sample ID	Sample Depth (ft)	OVM Reading
1	1" to 3"	58 ppm
2		
3		
4		
5		
6		
7		
8		
9		
10		
Comments:		
Topography is flat. Soil is a brown sand with some clay loam.		
Sample from # 1 5-point composite sent to IML for 8015		

Environmental Specialist: FM

Biosphere Environmental Sciences Technologies



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Synergy Operating, LLC

Project: Papers Wash #2 Pit

Sample ID: #2Remediation

Lab ID: 0300W02992

Matrix: Soil

Condition: Cool/Intact

Date Reported: 08/08/00

Date Sampled: 07/22/00

Date Received: 07/24/00

Parameter	Analytical Result	PQL	Units
DRO - METHOD 8015AZ			
Diesel Range Organics (C10 - C22)	1,269	20	mg/Kg
Diesel Range Organics as Diesel	1,269	20	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	19 **	70 - 130

** - Surrogate Recovery failed QC Limits due to matrix interference.

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: 

William Lipps



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Synergy Operating, LLC

Project: Papers Wash #2 Pit

Sample ID: #2Remediation

Lab ID: 0300W02992

Matrix: Soil

Condition: Cool/Intact

Date Reported: 08/08/00

Date Sampled: 07/22/00

Date Received: 07/24/00

Parameter	Analytical Result	PQL	Units
GRO - METHOD 8015AZ			
Gasoline Range Organics(C6-C10)	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8015B)	81	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

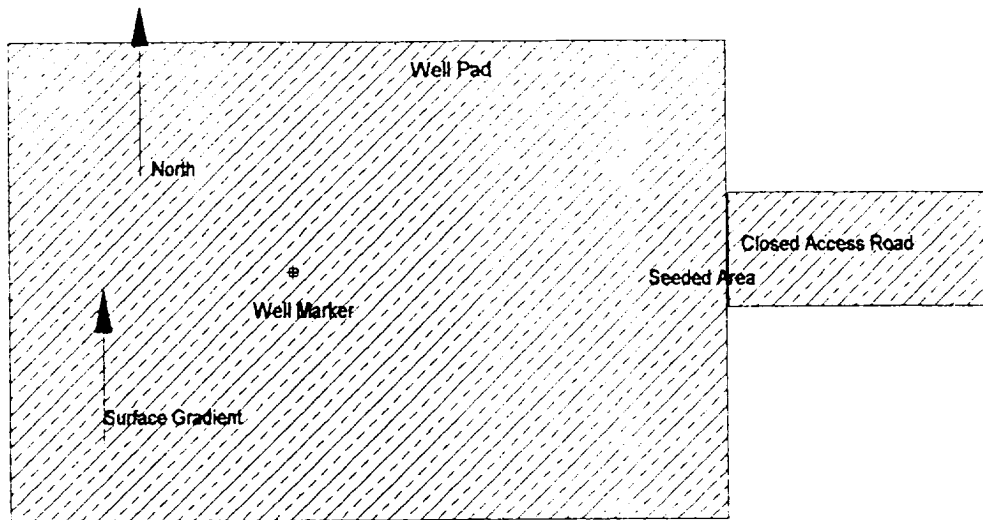
Reviewed By: 

William Lipps



CHAIN OF CUSTODY RECORD

[illegible]



(NOT TO SCALE)

Company: Synergy Operating, LLC

Location: Papers Wash Unit # 2

Legal Description: 2310' FNL & 330' FEL ("H"), Section 16, T19 N, R5W, NMPM

County: McKinley

State: NM

Lease #: V-1621 (State)

Area Seeded: Approximately 1.5 acres

Seed Mix: NMSLO Mix

Seed Rate: 3 PLS Lbs/ Acre

Seed Process: Drill X Hand Other

Seed Bag Number: 3

Date of Seeding: August 4, 2000

Was location ripped before seeding? Yes X No If No, describe

Topography: Flat

Comments: Access road was ripped and closed.

Abandoned location and closed road were seeded per requirements.

PALE #1

thwest Seed, Inc.
90 CR 28
Pres, CO 81323
1) 585-8722

Custom Bulk Seed Mixture Analysis

7/27/00

LOT NO: 2000.0334

SPECIES: MIXTURE: BIOSPERE ENVIRONMENTAL VARIETY: BIA MIX #8

QO	Species	Variety	CL	OR	PURE	INERT	CROP	WEED	Rst	Nox	Live	PLS	TEST	DATE	Bulk LBS	PLS LBS	Pure %
37	WHEATGR: CRESTED	FAIRWAY															
30235	GRASS W. DROPSEED-SA	VNS	CAN	80.31	3.88	0.00	0.00	0.00	NF	NF	97	93.42	7/2/00		32.11	30.00	35.57
30236	GRASS W. ALKALU SACATO	VNS	CO	98.77	1.09	0.00	0.14	NF	NF	NF	96	94.82	4/21/00		5.27	5.00	5.99
30358	INDIAN RICEGRASS:	PALOMA	TX	95.87	1.17	3.41	0.00	NF	NF	NF	80	70.42	8/1/00		8.54	5.00	7.19
30438	WHEATGR: PUBESCENT	LUNA	CO	99.78	0.22	0.00	0.00	NF	NF	NF	95	84.78	12/1/99		21.10	20.00	24.21
			CO	97.03	2.97	0.00	0.00	NF	NF	NF	94	91.21	10/1/99		21.93	20.00	24.47
Inert: 97.42% Inert 2.31% Crop 0.26% Weed 0.01% Total 100%															Grand Total	86.96	80.00

REMARK: 2 BAGS CONTAINING 43.5 BULK LBS (40.0 PLS LBS) EACH BAG TO SEED 5 ACRES
TO BE SEEDED AT THE RATE OF 8.7 BULK LBS/AC OR 8 PLS LBS/AC
PACKET INSIDE TO BE SEEDED SEPARATLY OR MIXED JUST PRIOR TO SEEDING