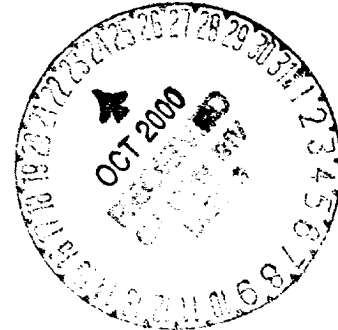


Biosphere Environmental Sciences & Technologies, LLC
PO Box 341
Aztec, New Mexico 87410
(505) 334-4375

15 October 2000

Mr. Denny G. Foust
Environmental Geologist/Deputy Oil & Gas Inspector
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410



Re: Snake Eyes

The following is a description of the remediation associated with the "Snake Eyes" oil to surface remediation and reseeded. On September 22, 2000, Mr. Frank McDonald was advised of an "oil to surface" situation associated with the abandoned well pad located in Unit Letter "G" of Section 20 in the Township 21 North and Range 18 West. Mr. McDonald proceeded to the site and observed oil to surface. The oil to surface was not located in an area where past earthen pits had been noted. Mr. Foust and Mr. Glen Papp, Principal/Operations Manager, Synergy Operating, LLC were notified of the findings.

Further investigation began on September 27, 2000. A backhoe with operator, Mr. McDonald, and Mr. Foust began investigation by means of excavation. During the excavation, dark staining was noticeable and small quantities of black sludge were apparent within the first five feet. Excavation continued until a possible source was discovered. The possible source was a four-inch, fiberglass dump line. Excavation along the site continued with trenches approximately 20 to 25 feet in space. This excavation was necessary to determine the origin of the dump line. After determining the line remained associated with the well pad located in Unit "G" of Section 20, T 21 N, and R 8 W, the investigation was halted and excavated areas were fenced off.

Consultation continued with Mr. Papp and Mr. Foust.

Continued excavation began October 4, 2000. The excavation traced the four-inch dump line across the site (see attached diagram) and stopped at a two-inch riser associated with equipment previously removed. The dump line contained 2 three-inch check valves. The check valve located nearest the oil to surface was inspected and found to be intact and operable. Approximately 40-feet downstream of the check valve, the dump line was flanged from steel to fiberglass. With consultation between Mr. Foust and Mr. McDonald, it was determined that the four-inch fiberglass line was to be removed. Once removed the fiberglass line was emptied of contents and the fiberglass line disposed. The remaining steel line was pinched at both open ends and remained within the ditch. Contents of the steel line were left within the line. The site retained a closure limit of 5000 parts per million (ppm). Groundwater has been estimated to be greater than 100 feet. The wellhead protection area and surface waters are estimated to be greater than 1000 feet.

Biosphere Environmental Sciences & Technologies, LLC
PO Box 341
Aztec, New Mexico 87410
(505) 334-4375

The "oil to surface" area was excavated to approximately 24' wide x 24' long x 12' in depth. Sampling was performed utilizing the "headspace" method. Headspace sampling provided results within New Mexico Oil Conservation Division (NMOCD) guidelines. A sample from the bottom of the excavation (approximately 12' in depth) was collected and delivered to Inter-Mountain Laboratories (IML) for USEPA Modified 8015 analysis. All sampling utilized USEPA and NMOCD Protocol. Results of the Lab analysis are within NMOCD Guidelines and are enclosed.

Material excavated and removed from the fiberglass line was spread on location from depths ranging from 1" to 2". The material was then disced and mixed with unstained soil. The discing and mixing continued until materials were believed to be within NMOCD Guidelines. Headspace analysis provided results within NMOCD Guidelines. A 5-point composite sample was collected and sent to IML for USEPA Modified 8015 analysis. Results of Lab analysis are within NMOCD Guidelines and are enclosed.

The excavated areas were backfilled with unstained soil. All disturbed areas were disced and hand seeded. The seed mixture allotted for the Papers Wash area by the New Mexico State Land Office was utilized due to the proximity and comparable vegetation of the Papers Wash and Snake Eyes locations.

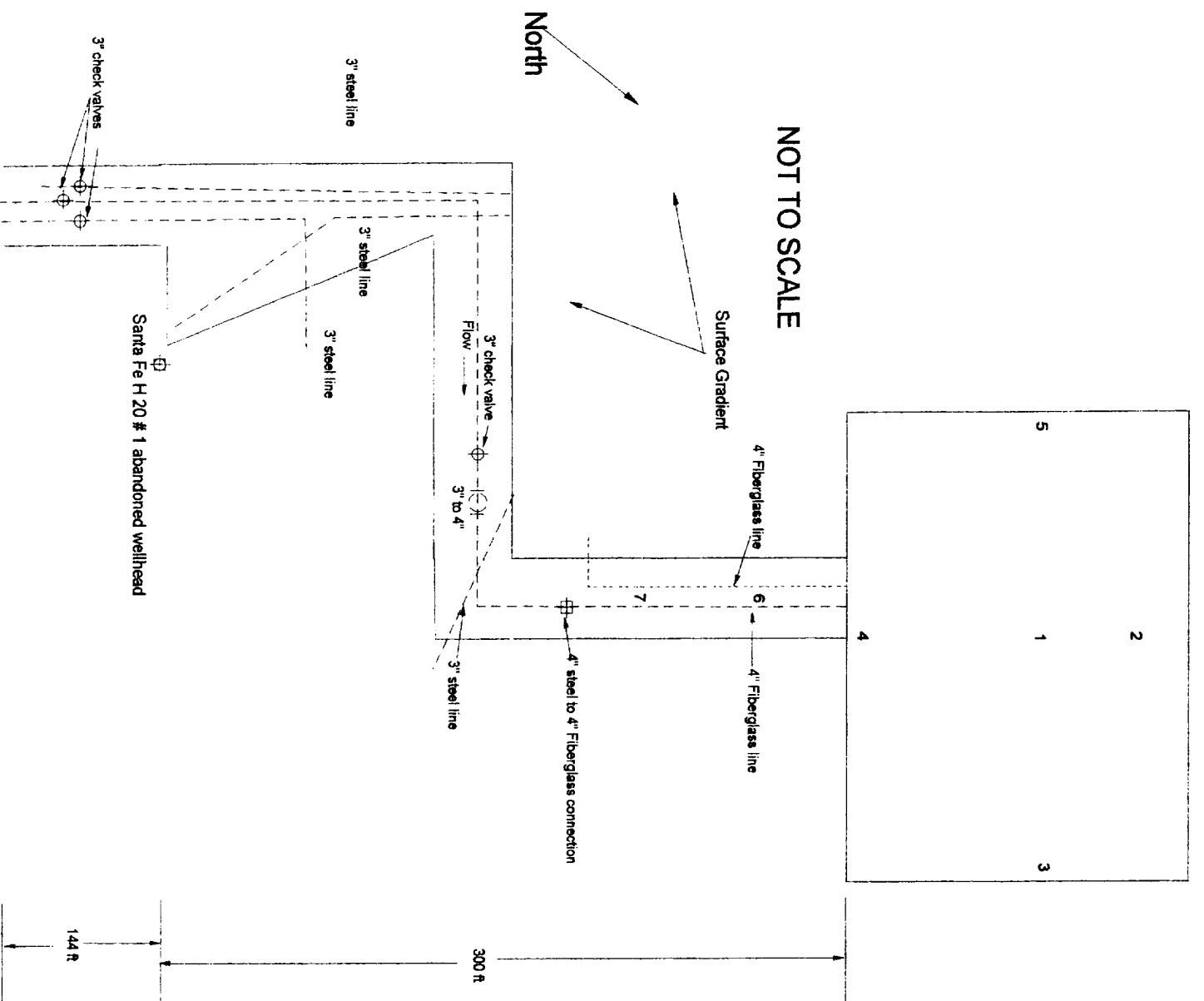
Client: Synergy Operating, LLC

Date Began: 9/22/2000 Date End: 10/8/2000

Location: <u>Snake Eyes</u>	Site Diagram:																																	
Unit Letter: <u>"G"</u> Sec. <u>20</u> Twn. <u>21N</u> Rng <u>8W</u> API # <u>30-031-20522</u> Pit Reference from Wellhead: <u>300 ft North 30 degrees West</u>	Site Diagram is Attached																																	
Oil to Surface																																		
Initial size: <u>0' x 0' x 0' deep</u>																																		
Final Size: <u>24' x 24' x 12' deep</u> Total Cubic Yards: <u>256</u>																																		
Distances from (ft): Groundwater: <u>>100 ft</u> Wellhead Protection Area: <u>>1000 ft</u> Nearest Surface Water: <u>>1000 ft</u>																																		
Ranking Score (points): <u>0</u>																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sample ID</th> <th style="width: 40%;">Sample Depth (ft)</th> <th style="width: 50%;">OVM Reading</th> </tr> </thead> <tbody> <tr><td>1</td><td>ctr bottn @ 12'</td><td>35 ppm</td></tr> <tr><td>2</td><td>N wall @ 10'</td><td>8 ppm</td></tr> <tr><td>3</td><td>E wall @ 10'</td><td>9 ppm</td></tr> <tr><td>4</td><td>S wall @ 10'</td><td>28 ppm</td></tr> <tr><td>5</td><td>W wall @ 10'</td><td>30 ppm</td></tr> <tr><td>6</td><td>10' along ditch</td><td>Non-detect</td></tr> <tr><td>7</td><td>50' along ditch</td><td>Non-detect</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> </tbody> </table>	Sample ID	Sample Depth (ft)	OVM Reading	1	ctr bottn @ 12'	35 ppm	2	N wall @ 10'	8 ppm	3	E wall @ 10'	9 ppm	4	S wall @ 10'	28 ppm	5	W wall @ 10'	30 ppm	6	10' along ditch	Non-detect	7	50' along ditch	Non-detect	8			9			10			
Sample ID	Sample Depth (ft)	OVM Reading																																
1	ctr bottn @ 12'	35 ppm																																
2	N wall @ 10'	8 ppm																																
3	E wall @ 10'	9 ppm																																
4	S wall @ 10'	28 ppm																																
5	W wall @ 10'	30 ppm																																
6	10' along ditch	Non-detect																																
7	50' along ditch	Non-detect																																
8																																		
9																																		
10																																		
Comments: Topography is flat. Soil is a brown sand with some clay loam. Black staining occurs throughout first 10 feet. No staining occurs after 5 feet of ditch. Fiberglass line is removed and contents are remediated on site. Sample from center bottom @ 12 ft sent to IML for 8015	Not to Scale 																																	

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: Snake Eyes

Sample ID: Bottom @ 12'

Lab ID: 0300W04357

Matrix: Soil

Condition: Intact

Date Reported: 10/13/00

Date Sampled: 10/05/00

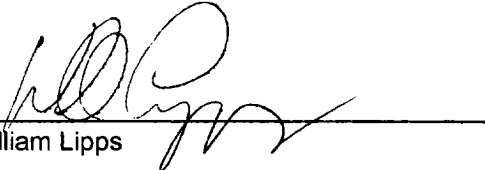
Date Received: 10/06/00

Parameter	Analytical Result	PQL	Units
DRO - Method 8015AZ			
Diesel Range Organics (C10 - C22)	174	20	mg/Kg
Diesel Range Organics as Diesel	174	20	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	76	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



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

Sample ID: Bottom @ 12'

Lab ID: 0300W04357

Matrix: Soil

Condition: Intact

Date Reported: 10/13/00

Date Sampled: 10/05/00

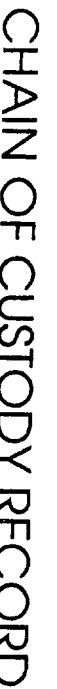
Date Received: 10/06/00

Parameter	Analytical Result	PQL	Units
GRO - Method 8015AZ			
Gasoline Range Organics	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg
Quality Control - Surrogate Recovery			
4-Bromofluorobenzene(SUR-8015)	70	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

67780

Client: Synergy Operating, LLC

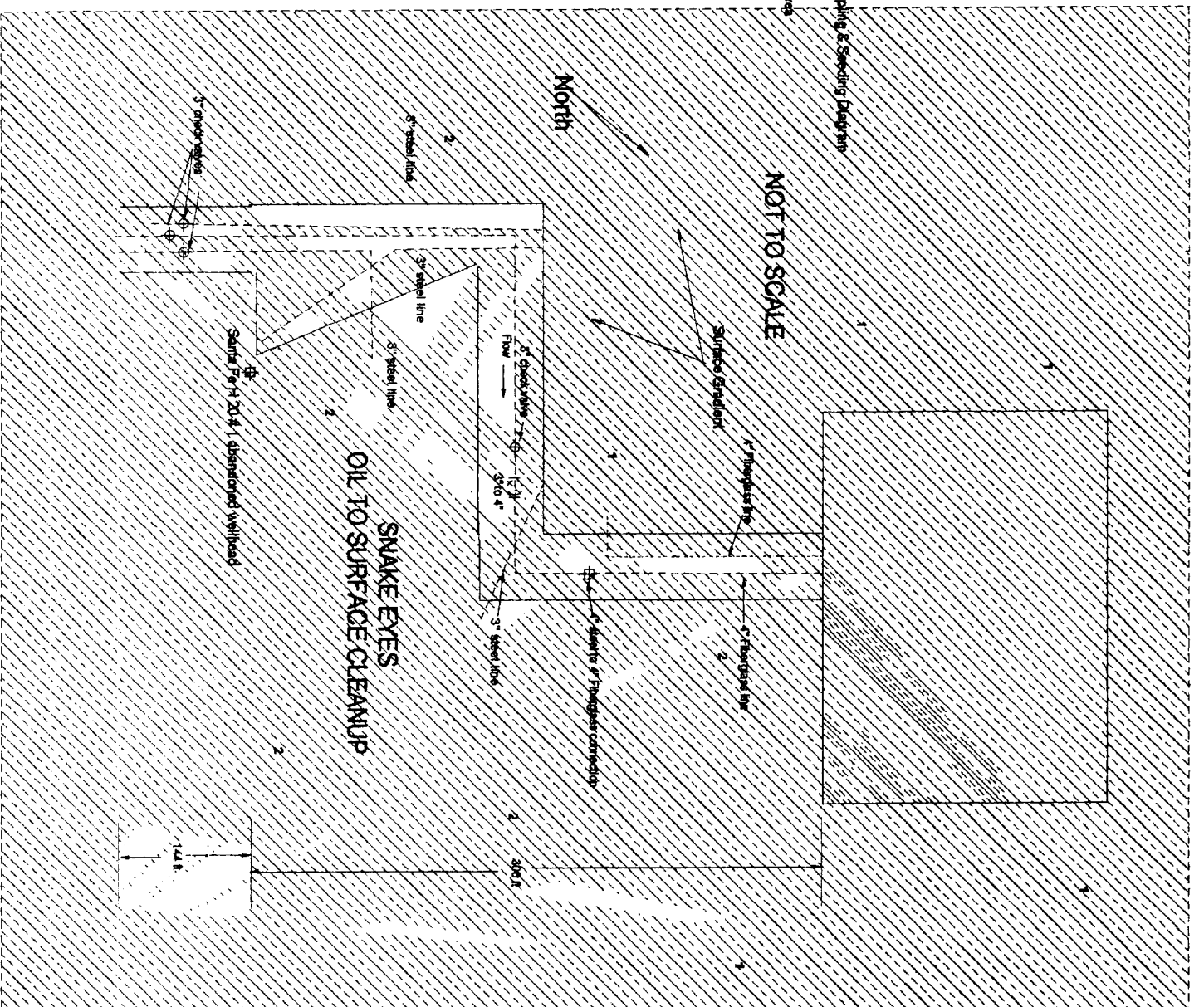
Date Began: 9/22/2000 Date End: 10/8/2000

Location: Snake Eyes		Site Diagram:	
Unit Letter: "G" Sec. 20 Twn. 21N Rng 8W		Site Diagram is Attached	
Pit Reference from Wellhead:			
300 ft North 30 degrees West			
Oil to Surface			
Total Cubic Yards: 256			
Number of 5-Point Composite Samples: 2			
Distances from (ft):			
Groundwater:		>100 ft	
Wellhead Protection Area:		>1000 ft	
Nearest Surface Water:		>1000 ft	
Ranking Score (points):		0	
Sample ID	Sample Depth (ft)	OVM Reading	
1	2-6 inches	76 ppm	
2	2-6 inches	36 ppm	
3			
4			
5			
6			
7			
8			
9			
10			
Comments:		Not to Scale	
Topography is flat. Soil is a brown sand with some clay loam.			
Sample # 1 sent to IML for 8015			

Environmental Specialist: FM

Biosphere Environmental Sciences Technologies

Impacted Area





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

Sample ID: Remediation

Lab ID: 0300W04366

Matrix: Soil

Condition: Intact

Date Reported: 10/13/00

Date Sampled: 10/08/00

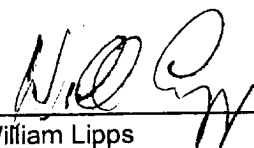
Date Received: 10/09/00

Parameter	Analytical Result	PQL	Units
DRO - Method 8015AZ			
Diesel Range Organics (C10 - C22)	623	20	mg/Kg
Diesel Range Organics as Diesel	623	20	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	91	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



Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

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

Client: Synergy Operating, LLC
Project: Snake Eyes
Sample ID: Remediation
Lab ID: 0300W04366
Matrix: Soil
Condition: Intact

Date Reported: 10/13/00
Date Sampled: 10/08/00
Date Received: 10/09/00

Parameter	Analytical Result	PQL	Units
GRO - Method 8015AZ			
Gasoline Range Organics	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg
Quality Control - Surrogate Recovery	%	QC Limits	
4-Bromofluorobenzene(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: 
William Lipps



Inter-Mountain
Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSES / PARAMETERS		
Supplier: (Signature)			Chain of Custody Tape No.		Remarks		
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	Remarks	
Remediation	10/8/00	1450	4356	Soil	4		
<div>Need case / ticket</div>							
Relinquished by: (Signature)			Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)			Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)			Date	Time	Received by: (Signature)	Date	Time

☐ 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.

70615

Southwest Seed, Inc.
13260 CR 29
Dolores, CO 81323
(970) 565-8722

Custom Bulk Seed Mixture Analysis

7/27/00

LOT NO: 2000.0335

SPECIES: MIXTURE: BIOSPERE ENVIRONMENTAL VARIETY: NMSLO 4 ACRE MIX

Lot NO	Species	Variety	CL OR PURE	INERT	CROP	WEED	Ref	Nox	Live	PLS	TEST DATE	Bulk LBS	PLS LBS	Pure %		
06386	GRASS W: GRAMA-BLUE	HACHITA	C	CO	39.58	60.42	0.00	0.00	NF	NF	89	35.23	2/19/00	8.52	3.00	17.70
1888.0236	GRASS W: ALKALU SACATO	VNS	TX	86.52	1.07	3.41	0.00	0.00	NF	NF	80	78.42	8/1/00	1.31	1.00	8.58
1888.0440	GRASS W: GALLETA	VNA	CO	82.13	17.27	0.10	0.50	0.00	NF	NF	83	78.38	4/23/00	1.31	1.00	5.86
1888.0458	WHEATGR: WESTERN	ARRIBA	C	CO	84.62	5.21	0.17	0.00	NF	NF	83	88.00	11/1/89	8.82	8.00	33.88
1888.0636	GRASS W: DROPSEED-SPI VNS		CO	88.82	0.38	0.00	0.00	0.00	NF	NF	82	81.65	2/2/00	1.09	1.00	5.71
Pure: 68.50% Inert 30.17% Crop 0.30% Weed 0.03% Total 100%																

REMARK: 1 BAG CONTAINING 19.04 BULK LBS (12 PLS LBS) TO SEED 4 ACRES
TO BE SEEDED AT THE RATE OF 4.78 BULKS LBS/AC OR 3 PLS LBS/AC
PACKET INSIDE TO BE SEEDED SEPARATLY OR MIXED JUST PRIOR TO SEEDING