

GW - 37

**GENERAL
CORRESPONDENCE**

YEAR(S):

2003

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
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Pinnacle Lab ID number **310136**
November 17, 2003

INTERA
6501 AMERICAS PRKWY NE STE.820
ALBUQUERQUE, NM 87110

NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

Project Name ARAHO
Project Number ARAHO

Attention: JOE TRACY/MARTYNE KIELING

On 10/24/03 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **non-aq** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8015/8021 analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Severn Trent Laboratories, Inc. Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

PINNACLE
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CLIENT : INTERA PINNACLE ID : 310136
PROJECT # : ARAHO DATE RECEIVED : 10/24/03
PROJECT NAME : ARAHO REPORT DATE : 11/17/03

PINNACLE			DATE
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
310136 - 01	T6-3B	NON-AQ	10/23/03
310136 - 02	T3-2	NON-AQ	10/23/03
310136 - 03	T3-4	NON-AQ	10/23/03
310136 - 04	T1W-1	NON-AQ	10/23/03
310136 - 05	T1E-1	NON-AQ	10/23/03
310136 - 06	RS1-3	NON-AQ	10/23/03
310136 - 07	RS2-2	NON-AQ	10/23/03
310136 - 08	T2-3	NON-AQ	10/23/03
310136 - 09	T1/3-3	NON-AQ	10/23/03
310136 - 10	T4-2B	NON-AQ	10/23/03
310136 - 11	RS3-3	NON-AQ	10/23/03
310136 - 12	T4-2	NON-AQ	10/23/03
310136 - 13	T5-2	NON-AQ	10/23/03
310136 - 14	T6-3	NON-AQ	10/23/03
310136 - 15	S6-2	NON-AQ	10/23/03
310136 - 16	RS4-3.5	NON-AQ	10/23/03
310136 - 17	RS5-1	NON-AQ	10/23/03
310136 - 18	DL1-2	NON-AQ	10/23/03
310136 - 19	S9-2	NON-AQ	10/23/03
310136 - 20	S1-.5	NON-AQ	10/23/03
310136 - 21	S1-1N	NON-AQ	10/23/03
310136 - 22	S8-.5	NON-AQ	10/23/03
310136 - 23	DL1-2B	NON-AQ	10/23/03
310136 - 24	C-1	NON-AQ	10/24/03
310136 - 25	C-3	NON-AQ	10/24/03
310136 - 26	C-5	NON-AQ	10/24/03
310136 - 27	C-7	NON-AQ	10/24/03
310136 - 28	C-8	NON-AQ	10/24/03
310136 - 29	C-6	NON-AQ	10/24/03
310136 - 30	C-4	NON-AQ	10/24/03
310136 - 31	C-2	NON-AQ	10/24/03
310136 - 32	C-9	NON-AQ	10/24/03
310136 - 33	C-10	NON-AQ	10/24/03
310136 - 34	C-11	NON-AQ	10/24/03
310136 - 35	C-13	NON-AQ	10/24/03

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	T6-3B	NON-AQ	10/23/03	NA	10/27/03	1
02	T3-2	NON-AQ	10/23/03	NA	10/29/03	5
03	T3-4	NON-AQ	10/23/03	NA	10/27/03	1

PARAMETER	DET. LIMIT	UNITS	T6-3B	T3-2	T3-4
BENZENE	0.025	MG/KG	< 0.025	0.15	< 0.025
TOLUENE	0.025	MG/KG	< 0.025	0.24	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025	0.78	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050	0.73	< 0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 102 111 112
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 79 88 81

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	T1W-1	NON-AQ	10/23/03	NA	10/27/03	1
05	T1E-1	NON-AQ	10/23/03	NA	10/27/03	1
06	RS1-3	NON-AQ	10/23/03	NA	10/29/03	2

PARAMETER	DET. LIMIT	UNITS	T1W-1	T1E-1	RS1-3
BENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.050
TOLUENE	0.025	MG/KG	< 0.025	< 0.025	< 0.050
ETHYLBENZENE	0.025	MG/KG	< 0.025	0.030	< 0.050
TOTAL XYLENES	0.050	MG/KG	< 0.050	< 0.050	< 0.10

SURROGATE:
BROMOFLUOROBENZENE (%) 116 111 106
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 85 81 92

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
07	RS2-2	NON-AQ	10/23/03	NA	10/27/03	1
08	T2-3	NON-AQ	10/23/03	NA	10/29/03	5
09	T1/3-3	NON-AQ	10/23/03	NA	10/27/03	1

PARAMETER	DET. LIMIT	UNITS	RS2-2	T2-3	T1/3-3
BENZENE	0.025	MG/KG	< 0.025	0.43	< 0.025
TOLUENE	0.025	MG/KG	< 0.025	0.17	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025	3.6	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050	8.6	< 0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 104 105 99
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 88 85 84

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	T4-2B	NON-AQ	10/23/03	NA	10/29/03	2
11	RS3-3	NON-AQ	10/23/03	NA	10/28/03	1
12	T4-2	NON-AQ	10/23/03	NA	10/29/03	2

PARAMETER	DET. LIMIT	UNITS	T4-2B	RS3-3	T4-2
BENZENE	0.025	MG/KG	< 0.050	< 0.025	< 0.050
TOLUENE	0.025	MG/KG	< 0.050	< 0.025	< 0.050
ETHYLBENZENE	0.025	MG/KG	< 0.050	< 0.025	< 0.050
TOTAL XYLENES	0.050	MG/KG	< 0.10	< 0.050	< 0.10

SURROGATE:
BROMOFLUOROBENZENE (%) 115 98 111
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 80 87 80

CHEMIST NOTES:
N/A

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CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
13	T5-2	NON-AQ	10/23/03	NA	10/28/03	2
14	T6-3	NON-AQ	10/23/03	NA	10/29/03	2
15	S6-2	NON-AQ	10/23/03	NA	10/29/03	1

PARAMETER	DET. LIMIT	UNITS	T5-2	T6-3	S6-2
BENZENE	0.025	MG/KG	< 0.050	< 0.050	< 0.025
TOLUENE	0.025	MG/KG	< 0.050	< 0.050	< 0.025
ETHYLBENZENE	0.025	MG/KG	0.074	< 0.050	0.046
TOTAL XYLENES	0.050	MG/KG	< 0.10	< 0.10	0.12

SURROGATE:
BROMOFLUOROBENZENE (%) 113 115 117
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 81 80 87

CHEMIST NOTES:
N/A

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CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
16	RS4-3.5	NON-AQ	10/23/03	NA	10/28/03	1
17	RS5-1	NON-AQ	10/23/03	NA	10/28/03	1
18	DL1-2	NON-AQ	10/23/03	NA	10/28/03	5

PARAMETER	DET. LIMIT	UNITS	RS4-3.5	RS5-1	DL1-2
BENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.13
TOLUENE	0.025	MG/KG	< 0.025	< 0.025	< 0.13
ETHYLBENZENE	0.025	MG/KG	< 0.025	< 0.025	0.61
TOTAL XYLENES	0.050	MG/KG	< 0.050	< 0.050	1.8

SURROGATE:

BROMOFLUOROBENZENE (%)		105	108	111
SURROGATE LIMITS (80 - 120)				
DRY WEIGHT (%)		90	92	81

CHEMIST NOTES:
N/A

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TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
19	S9-2	NON-AQ	10/23/03	NA	10/28/03	1
20	S1-.5	NON-AQ	10/23/03	NA	10/28/03	1
21	S1-1N	NON-AQ	10/23/03	NA	10/28/03	1

PARAMETER	DET. LIMIT	UNITS	S9-2	S1-.5	S1-1N
BENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
TOLUENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
ETHYLBENZENE	0.025	MG/KG	< 0.025	< 0.025	< 0.025
TOTAL XYLENES	0.050	MG/KG	< 0.050	< 0.050	< 0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 105 106 105
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 84 94 88

CHEMIST NOTES:
N/A

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TEST : EPA 8021B MODIFIED - METHANOL PRESERVATION
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
22	S8-.5	NON-AQ	10/23/03	NA	10/28/03	1
23	DL1-2B	NON-AQ	10/23/03	NA	10/29/03	5

PARAMETER	DET. LIMIT	UNITS	S8-.5	DL1-2B
BENZENE	0.025	MG/KG	< 0.025	< 0.13
TOLUENE	0.025	MG/KG	< 0.025	< 0.13
ETHYLBENZENE	0.025	MG/KG	< 0.025	1.9
TOTAL XYLENES	0.050	MG/KG	< 0.050	5.8

SURROGATE:
BROMOFLUOROBENZENE (%) 98 118
SURROGATE LIMITS (80 - 120)
DRY WEIGHT (%) 88 83

CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BLANK I. D.	: 102703	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/27/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 99
SURROGATE LIMITS:
CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BLANK I. D.	: 102803A	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/28/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 96
SURROGATE LIMITS:
CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BLANK I. D.	: 102803B	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050

SURROGATE:
BROMOFLUOROBENZENE (%)

97

SURROGATE LIMITS:
CHEMIST NOTES:
N/A

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GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BLANK I. D.	: 102903	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	ANALYST	: BP

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.050

SURROGATE:
BROMOFLUOROBENZENE (%) 103

SURROGATE LIMITS:

CHEMIST NOTES:

N/A

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BATCH #	: 102703	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/27/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.05	105	1.04	104	1	(80 - 120)	20
TOLUENE	<0.025	1.00	1.03	103	1.03	103	0	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.05	105	1	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.17	106	3.14	105	1	(80 - 120)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B MODIFIED				PINNACLE I.D.	: 310136			
BATCH #	: 102803A				DATE EXTRACTED	: N/A			
CLIENT	: INTERA				DATE ANALYZED	: 10/28/03			
PROJECT #	: ARAHO				SAMPLE MATRIX	: FP			
PROJECT NAME	: ARAHO				UNITS	: MG/KG			
PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.02	102	1.02	102	0	(80 - 120)	20
TOLUENE	<0.025	1.00	1.01	101	1.00	100	1	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.03	103	1.02	102	1	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.06	102	3.03	101	1	(80 - 120)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BATCH #	: 102803B	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.03	103	1.06	106	3	(80 - 120)	20
TOLUENE	<0.025	1.00	1.01	101	1.03	103	2	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.04	104	1.05	105	1	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.10	103	3.14	105	1	(80 - 120)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
BATCH #	: 102903	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.02	102	1.03	103	1	(80 - 120)	20
TOLUENE	<0.025	1.00	1.01	101	1.01	101	0	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.04	104	1.03	103	1	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.06	102	3.02	101	1	(80 - 120)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
MSMSD #	: 310136-01	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/27/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.07	107	1.06	106	1	(80 - 120)	20
TOLUENE	<0.025	1.00	1.07	107	1.05	105	2	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.10	110	1.08	108	2	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.27	109	3.19	106	2	(80 - 120)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B MODIFIED	PINNACLE I.D.	: 310136
MSMSD #	: 310136-16	DATE EXTRACTED	: N/A
CLIENT	: INTERA	DATE ANALYZED	: 10/28/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: FP
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	1.07	107	1.04	104	3	(80 - 120)	20
TOLUENE	<0.025	1.00	1.08	108	1.03	103	5	(80 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.09	109	1.06	106	3	(80 - 120)	20
TOTAL XYLENES	<0.050	3.00	3.26	109	3.17	106	3	(80 - 120)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	T6-3B	NON-AQ	10/23/03	10/27/03	10/29/03	1
02	T3-2	NON-AQ	10/23/03	10/27/03	10/29/03	5
03	T3-4	NON-AQ	10/23/03	10/27/03	10/29/03	1

PARAMETER	DET. LIMIT	UNITS	T6-3B	T3-2	T3-4
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	380	< 10
FUEL HYDROCARBONS, C10-C22	10	MG/KG	17	2100	120
FUEL HYDROCARBONS, C22-C36	10	MG/KG	46	1400	360
CALCULATED SUM:			63	3880	480

SURROGATE:
O-TERPHENYL (%) 102 92 89
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
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Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	T1W-1	NON-AQ	10/23/03	10/27/03	10/29/03	5
05	T1E-1	NON-AQ	10/23/03	10/27/03	10/28/03	1
06	RS1-3	NON-AQ	10/23/03	10/27/03	10/28/03	1

PARAMETER	DET. LIMIT	UNITS	T1W-1	T1E-1	RS1-3
FUEL HYDROCARBONS, C6-C10	10	MG/KG	150	11	11
FUEL HYDROCARBONS, C10-C22	10	MG/KG	2500	250	50
FUEL HYDROCARBONS, C22-C36	10	MG/KG	1400	77	45
CALCULATED SUM:			4050	338	106

SURROGATE:
O-TERPHENYL (%) 85 78 102
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	RS2-2	NON-AQ	10/23/03	10/27/03	10/29/03	2
08	T2-3	NON-AQ	10/23/03	10/27/03	10/29/03	10
09	T1/3-3	NON-AQ	10/23/03	10/27/03	10/28/03	1

PARAMETER	DET. LIMIT	UNITS	RS2-2	T2-3	T1/3-3
FUEL HYDROCARBONS, C6-C10	10	MG/KG	23	870	< 10
FUEL HYDROCARBONS, C10-C22	10	MG/KG	1800	4500	57
FUEL HYDROCARBONS, C22-C36	10	MG/KG	1100	1900	120
CALCULATED SUM:			2923	7270	177

SURROGATE:
O-TERPHENYL (%) 84 110 96
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

PINNACLE
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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
10	T4-2B	NON-AQ	10/23/03	10/27/03	10/28/03	1
11	RS3-3	NON-AQ	10/23/03	10/27/03	10/28/03	1
12	T4-2	NON-AQ	10/23/03	10/27/03	10/28/03	1
PARAMETER	DET. LIMIT	UNITS	T4-2B	RS3-3	T4-2	
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	18	
FUEL HYDROCARBONS, C10-C22	10	MG/KG	60	180	610	
FUEL HYDROCARBONS, C22-C36	10	MG/KG	120	290	270	
CALCULATED SUM:			180	470	898	

SURROGATE:
O-TERPHENYL (%) 99 86 93
SURROGATE LIMITS (70-130)

CHEMIST NOTES:

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE	DATE	DATE	DATE	DIL.		
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
13	T5-2	NON-AQ	10/23/03	10/28/03	10/29/03	1
14	T6-3	NON-AQ	10/23/03	10/28/03	10/30/03	1
15	S6-2	NON-AQ	10/23/03	10/28/03	10/30/03	20

PARAMETER	DET. LIMIT	UNITS	T5-2	T6-3	S6-2
FUEL HYDROCARBONS, C6-C10	10	MG/KG	77	< 10	210
FUEL HYDROCARBONS, C10-C22	10	MG/KG	1100 D2	17	10000
FUEL HYDROCARBONS, C22-C36	10	MG/KG	51	15	760
CALCULATED SUM:			1228	32	10970

SURROGATE:
O-TERPHENYL (%) 94 95 S3
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
D2 = Reported from a 2x dilution run on 10/30/03.
S3 = Surrogate diluted out.

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
16	RS4-3.5	NON-AQ	10/23/03	10/28/03	10/29/03	1
17	RS5-1	NON-AQ	10/23/03	10/28/03	10/29/03	1
18	DL1-2	NON-AQ	10/23/03	10/28/03	10/29/03	1

PARAMETER	DET. LIMIT	UNITS	RS4-3.5	RS5-1	DL1-2
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	340
FUEL HYDROCARBONS, C10-C22	10	MG/KG	< 10	370	6300 D10
FUEL HYDROCARBONS, C22-C36	10	MG/KG	< 10	830	850
CALCULATED SUM:				1200	7490

SURROGATE:
O-TERPHENYL (%) 98 88 99
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
Reported from a 10x dilution run on 10/30/03.

PINNACLE
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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
19	S9-2	NON-AQ	10/23/03	10/28/03	10/30/03	1
20	S1-5	NON-AQ	10/23/03	10/28/03	10/30/03	10
21	S1-1N	NON-AQ	10/23/03	10/28/03	10/30/03	1

PARAMETER	DET. LIMIT	UNITS	S9-2	S1-5	S1-1N
FUEL HYDROCARBONS, C6-C10	10	MG/KG	10	100	< 10
FUEL HYDROCARBONS, C10-C22	10	MG/KG	340	1800	130
FUEL HYDROCARBONS, C22-C36	10	MG/KG	800	2900	310
CALCULATED SUM:			1150	4800	440

SURROGATE:
O-TERPHENYL (%) : 79 (S9-2), 106 (S1-5), 81 (S1-1N)
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

PINNACLE
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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : INTERA
PROJECT # : ARAHO
PROJECT NAME : ARAHO

PINNACLE I.D. : 310136
ANALYST : VPH

SAMPLE	DATE	DATE	DATE	DIL.		
ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	FACTOR
22	S8-.5	NON-AQ	10/23/03	10/28/03	10/30/03	1
23	DL1-2B	NON-AQ	10/23/03	10/28/03	10/29/03	1

PARAMETER	DET. LIMIT	UNITS	S8-.5	DL1-2B
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	380
FUEL HYDROCARBONS, C10-C22	10	MG/KG	300	8400 D10
FUEL HYDROCARBONS, C22-C36	10	MG/KG	700	990
CALCULATED SUM:			1000	9770

SURROGATE:
O-TERPHENYL (%) 81 111
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
Reported at a 10x dilution run on 10/30/03.

PINNACLE
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GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 310136
BLANK I.D.	: 102803	DATE EXTRACTED	: 10/28/03
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ARAHO	ANALYST	: VPH

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:
O-TERPHENYL (%) 96
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 310136
BLANK I.D.	: 102703	DATE EXTRACTED	: 10/27/03
CLIENT	: INTERA	DATE ANALYZED	: 10/28/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ARAHO	ANALYST	: VPH

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 10
FUEL HYDROCARBONS, C22-C36	MG/KG	< 10

SURROGATE:
O-TERPHENYL (%) 96
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 310136
LCS/LCSD #	: 102703	DATE EXTRACTED	: 10/27/03
CLIENT	: INTERA	DATE ANALYZED	: 10/28/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	204	102	203	102	0	(70-130)	20

CHEMIST NOTES:
N/A

$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 310136
LCS/LCSD #	: 102803	DATE EXTRACTED	: 10/28/03
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	183	92	194	97	6	(70-130)	20

CHEMIST NOTES:
N/A

$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE
LABORATORIES

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Phone (505) 344-3777
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GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 310136
MSMSD #	: 310136-01	DATE EXTRACTED	: 10/27/03
CLIENT	: INTERA	DATE ANALYZED	: 10/28/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<10	200	196	98	211	106	7	(70-130)	20

CHEMIST NOTES:
N/A

$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE
LABORATORIES

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GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 310136
MSMSD #	: 310136-17	DATE EXTRACTED	: 10/28/03
CLIENT	: INTERA	DATE ANALYZED	: 10/29/03
PROJECT #	: ARAHO	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: ARAHO	UNITS	: MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	370	200	659	145 M4	607	119	8	(70-130)	20

CHEMIST NOTES:

M4 = % Recovery is outside of PLI criteria.

$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

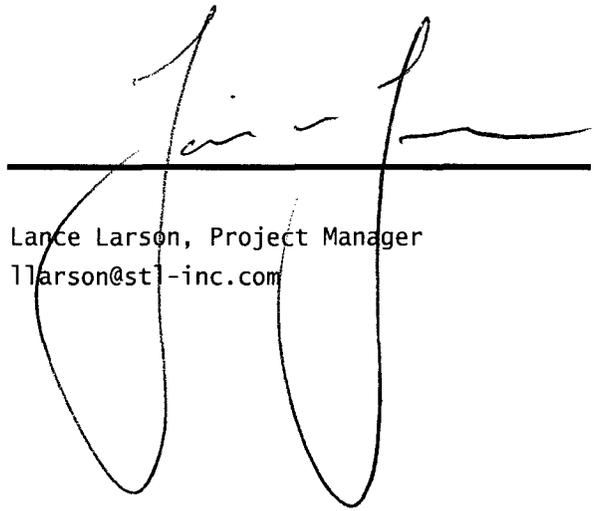
$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Report

For: Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

CC:

Order Number: C310776
SDG Number:
Client Project ID:
Project: 310136, NMOCD-ARAO
Report Date: 11/12/2003
Sampled By: Client
Sample Received Date: 10/28/2003
Requisition Number:
Purchase Order: 310136



Lance Larson, Project Manager
llarson@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Sample Summary

Order: C310776
Date Received: 10/28/2003

Client: Pinnacle Laboratories
Project: 310136, NMOCD-ARAHO

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
T6-3B/310136-01	C310776*1	Solid	10/23/2003 11:44
T3-2/310136-02	C310776*2	Solid	10/23/2003 12:06
T3-4/310136-03	C310776*3	Solid	10/23/2003 12:12
T1W-1/310136-04	C310776*4	Solid	10/23/2003 12:25
T1E-1/310136-05	C310776*5	Solid	10/23/2003 12:48
RS1-3/310136-06	C310776*6	Solid	10/23/2003 13:45
RS2-2/310136-07	C310776*7	Solid	10/23/2003 13:57
T2-3/310136-08	C310776*8	Solid	10/23/2003 14:10
T1/3-3/310136-09	C310776*9	Solid	10/23/2003 14:35
T4-2B/310131-10	C310776*10	Solid	10/23/2003 15:09
RS3-3/310136-11	C310776*11	Solid	10/23/2003 16:41
T4-2/310136-12	C310776*12	Solid	10/23/2003 17:00
T5-2/310136-13	C310776*13	Solid	10/23/2003 17:13
T6-3/310136-14	C310776*14	Solid	10/23/2003 17:27
F6-2/310136-15	C310776*15	Solid	10/23/2003 17:39
RS4-3.5/310136-16	C310776*16	Solid	10/23/2003 17:52
RS5-1/310136-17	C310776*17	Solid	10/23/2003 18:00
DL1-2/310136-18	C310776*18	Solid	10/23/2003 18:20
S9-2/310136-19	C310776*19	Solid	10/23/2003 18:33
S1-.5/310136-20	C310776*20	Solid	10/23/2003 18:47
S1-1N/310136-21	C310776*21	Solid	10/23/2003 18:55
S8-.5/310136-22	C310776*22	Solid	10/23/2003 18:25
DL1-2B/310136-23	C310776*23	Solid	10/23/2003 19:20
C-1/310136-24	C310776*24	Solid	10/24/2003 08:30
C-3/310136-25	C310776*25	Solid	10/24/2003 08:33
C-5/310136-26	C310776*26	Solid	10/24/2003 08:36
C-7/310136-27	C310776*27	Solid	10/24/2003 08:42
C-8/310136-28	C310776*28	Solid	10/24/2003 08:47
C-6/310136-29	C310776*29	Solid	10/24/2003 08:54
C-4/310136-30	C310776*30	Solid	10/24/2003 08:58
C-2/310136-31	C310776*31	Solid	10/24/2003 09:03
C-9/310136-32	C310776*32	Solid	10/24/2003 09:10
C-10/310136-33	C310776*33	Solid	10/24/2003 09:15
C-11/310136-34	C310776*34	Solid	10/24/2003 09:20
C-13/310136-35	C310776*35	Solid	10/24/2003 09:28

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-1	T6-3B/310136-01	Solid	10/28/03	10/23/03 11:44	
10776-2	T3-2/310136-02	Solid	10/28/03	10/23/03 12:06	
10776-3	T3-4/310136-03	Solid	10/28/03	10/23/03 12:12	
10776-4	T1W-1/310136-04	Solid	10/28/03	10/23/03 12:25	
10776-5	T1E-1/310136-05	Solid	10/28/03	10/23/03 12:48	

Parameter	Units	Lab Sample IDs				
		10776-1	10776-2	10776-3	10776-4	10776-5
Chloride (9251)						
Chloride	mg/kg dw	7300	2700	5800	990	2700
Percent Solids		79	86	77	80	80
Dilution Factor		100	50	50	50	50
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS077S	CKS077S	CKS077S	CKS077S	CKS077S
Prep Method		SOP 885	SOP 885	SOP 885	SOP 885	SOP 885
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-6	RS1-3/310136-06	Solid	10/28/03	10/23/03 13:45	
10776-7	RS2-2/310136-07	Solid	10/28/03	10/23/03 13:57	
10776-8	T2-3/310136-08	Solid	10/28/03	10/23/03 14:10	
10776-9	T1/3-3/310136-09	Solid	10/28/03	10/23/03 14:35	
10776-10	T4-2B/310131-10	Solid	10/28/03	10/23/03 15:09	

Parameter	Units	Lab Sample IDs				
		10776-6	10776-7	10776-8	10776-9	10776-10
Chloride (9251)						
Chloride	mg/kg dw	1300	2800	3600	5600	9700
Percent Solids		92	91	86	81	84
Dilution Factor		50	50	50	50	250
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS077S	CKS077S	CKS077S	CKS077S	CKS077S
Prep Method		SOP 885	SOP 885	SOP 885	SOP 885	SOP 885
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-11	RS3-3/310136-11	Solid	10/28/03	10/23/03 16:41	
10776-12	T4-2/310136-12	Solid	10/28/03	10/23/03 17:00	
10776-13	T5-2/310136-13	Solid	10/28/03	10/23/03 17:13	
10776-14	T6-3/310136-14	Solid	10/28/03	10/23/03 17:27	
10776-15	F6-2/310136-15	Solid	10/28/03	10/23/03 17:39	

Parameter	Units	Lab Sample IDs				
		10776-11	10776-12	10776-13	10776-14	10776-15
Chloride (9251)						
Chloride	mg/kg dw	6500	11000	6300	8000	2800
Percent Solids		88	79	78	80	88
Dilution Factor		100	250	100	100	50
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS077S	CKS077S	CKS077S	CKS077S	CKS077S
Prep Method		SOP 885	SOP 885	SOP 885	SOP 885	SOP 885
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-16	RS4-3.5/310136-16	Solid	10/28/03	10/23/03 17:52	
10776-17	RS5-1/310136-17	Solid	10/28/03	10/23/03 18:00	
10776-18	DL1-2/310136-18	Solid	10/28/03	10/23/03 18:20	
10776-19	S9-2/310136-19	Solid	10/28/03	10/23/03 18:33	
10776-20	S1-.5/310136-20	Solid	10/28/03	10/23/03 18:47	

Parameter	Units	Lab Sample IDs				
		10776-16	10776-17	10776-18	10776-19	10776-20
Chloride (9251)						
Chloride	mg/kg dw	2100	630	1500	5400	11000
Percent Solids		90	92	83	85	94
Dilution Factor		50	50	50	50	250
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS077S	CKS077S	CKS077S	CKS077S	CKS077S
Prep Method		SOP 885	SOP 885	SOP 885	SOP 885	SOP 885
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-21	S1-1N/310136-21	Solid	10/28/03	10/23/03	18:55
10776-22	S8-.5/310136-22	Solid	10/28/03	10/23/03	18:25
10776-23	DL1-2B/310136-23	Solid	10/28/03	10/23/03	19:20
10776-24	C-1/310136-24	Solid	10/28/03	10/24/03	08:30
10776-25	C-3/310136-25	Solid	10/28/03	10/24/03	08:33

Lab Sample IDs

Parameter	Units	10776-21	10776-22	10776-23	10776-24	10776-25
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Chloride (9251)

Chloride	mg/kg dw	3400	1100	1400	1800	4100
Percent Solids		85	87	82	91	91
Dilution Factor		50	50	50	50	50
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS078S	CKS078S	CKS078S	CKS078S	CKS078S
Prep Method		SOP 885				
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-26	C-5/310136-26	Solid	10/28/03	10/24/03 08:36	
10776-27	C-7/310136-27	Solid	10/28/03	10/24/03 08:42	
10776-28	C-8/310136-28	Solid	10/28/03	10/24/03 08:47	
10776-29	C-6/310136-29	Solid	10/28/03	10/24/03 08:54	
10776-30	C-4/310136-30	Solid	10/28/03	10/24/03 08:58	

Lab Sample IDs

Parameter	Units	10776-26	10776-27	10776-28	10776-29	10776-30
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Chloride (9251)

Chloride	mg/kg dw	9300	730	2400	3900	3000
Percent Solids		96	95	98	86	95
Dilution Factor		250	50	50	50	50
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS078S	CKS078S	CKS078S	CKS078S	CKS078S
Prep Method		SOP 885				
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-31	C-2/310136-31	Solid	10/28/03	10/24/03 09:03	
10776-32	C-9/310136-32	Solid	10/28/03	10/24/03 09:10	
10776-33	C-10/310136-33	Solid	10/28/03	10/24/03 09:15	
10776-34	C-11/310136-34	Solid	10/28/03	10/24/03 09:20	
10776-35	C-13/310136-35	Solid	10/28/03	10/24/03 09:28	

Parameter	Units	Lab Sample IDs				
		10776-31	10776-32	10776-33	10776-34	10776-35

Chloride (9251)

Chloride	mg/kg dw	11000	820	3000	2600	8900
Percent Solids		95	95	85	97	95
Dilution Factor		500	50	50	50	500
Prep Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Analysis Date		10/30/03	10/30/03	10/30/03	10/30/03	10/30/03
Batch ID		CKS078S	CKS078S	CKS078S	CKS078S	CKS078S
Prep Method		SOP 885				
Analyst		CR	CR	CR	CR	CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-36	Method Blank	Solid	10/28/03		
10776-37	Lab Control Standard % Recovery	Solid	10/28/03		
10776-38	Matrix Spike % Recovery	Solid	10/28/03		
10776-39	Matrix Spike Duplicate % Recovery	Solid	10/28/03		
10776-40	Method Blank	Solid	10/28/03		

Parameter	Units	Lab Sample IDs				
		10776-36	10776-37	10776-38	10776-39	10776-40
Chloride (9251)						
Chloride	mg/kg dw	<100	100 %	94 %	94 %	<100
Dilution Factor		50				50
Prep Date		10/30/03				10/30/03
Analysis Date		10/30/03				10/30/03
Batch ID		CKS077S	CKS077S	CKS077S	CKS077S	CKS078S
Prep Method		SOP 885				SOP 885
Analyst		CR				CR

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
10776-41	Lab Control Standard % Recovery	Solid	10/28/03		
10776-42	Matrix Spike % Recovery	Solid	10/28/03		
10776-43	Matrix Spike Duplicate % Recovery	Solid	10/28/03		

Lab Sample IDs

Parameter	Units	10776-41	10776-42	10776-43
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Chloride (9251)

Chloride	%	100 %	96 %	97 %
Batch ID		CKS078S	CKS078S	CKS078S

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

STL Pensacola
PROJECT SAMPLE INSPECTION FORM



Lab Order #: C310776

Date Received: 10/28/03

- | | |
|---|---|
| <p>1. Was there a Chain of Custody? <input checked="" type="radio"/> Yes No⁺</p> <p>2. Was Chain of Custody properly filled out and relinquished? <input checked="" type="radio"/> Yes No⁺</p> <p>3. Were all samples properly labeled and identified? <input checked="" type="radio"/> Yes No⁺</p> <p>4. Were samples received cold? <input checked="" type="radio"/> Yes No⁺ N/A
 <small>(Criteria: 2° - 6°C: STL-SOP 1055)</small></p> <p>5. Did samples require splitting or compositing*? Yes⁺ <input checked="" type="radio"/> No</p> <p>6. Were samples received in proper containers for analysis requested? <input checked="" type="radio"/> Yes No⁺</p> <p>7. Were all sample containers received intact? <input checked="" type="radio"/> Yes No⁺</p> | <p>8. Were samples checked for preservative? <small>(Check pH of all H₂O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)⁺</small> Yes No⁺ <input checked="" type="radio"/> N/A</p> <p>9. Is there sufficient volume for analysis requested? <input checked="" type="radio"/> Yes No⁺ N/A <small>(Can)</small></p> <p>10. Were samples received within Holding Time? <small>(REFER TO STL-SOP 1040)</small> <input checked="" type="radio"/> Yes No⁺</p> <p>11. Is Headspace visible > 1/4" in diameter in VOA vials?* Yes⁺ No <input checked="" type="radio"/> N/A</p> <p>12. Were Trip Blanks Received? Yes No <input checked="" type="radio"/> N/A</p> <p>13. If sent, were matrix spike bottles returned? Yes No⁺ <input checked="" type="radio"/> N/A</p> <p>14. If sent, were T-Handles returned? Yes No⁺ <input checked="" type="radio"/> N/A</p> <p>15. If any issues, how was PM notified? PSIF <input type="checkbox"/> Verbal <input type="checkbox"/></p> |
|---|---|

Airbill Number(s): 12878168 D1 4340 0046 Shipped By UPS FedX HD BUS ABX
(HD - Hand Delivery)

Cooler Numbers & Temp(s) (°C): Client 4°C cell
(IE. 340L-4°C-CCK8 -- LIST THERMOMETER NUMBER FOR VERIFICATION)

Out of Control Events and Inspection Comments (list sample IDs/Tests where appropriate):

- 1-3. COC/Sample ID/COC discrepancy: _____
4. Insufficient Ice Delay in delivery Other _____
5. Samples were Split Composited Requested by: Client PM Other: _____
6. Improper Containers (ID/Size/desc): _____
7. Broken bottles/Test: _____
8. Incorrect pH: _____
9. Test/Matrix/Volume: _____
10. Out of Holding Time/Test: _____
11. VOA headspace > 1/4"
 (list ~ size) _____
- List additional comments by above number: _____

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: MHS Date: 10/28/03 Logged By: LLK Date: 28-OCT-03

* Note all Out-of-Control and/or questionable events on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples (pH, Dissolved O₂, Residual CL) as out of hold time, therefore, these samples will not be documented on this PSIF.

* All volatile samples requested to be split or composited must be done in the Volatile Lab. Document: "Volatile sample values may be compromised due to sample splitting (compositing)"

+ All pH results for North Carolina, New York, and other requested samples are to be recorded on the pH log provided (STL-SOP 938).

* According to EPA, 1/4" of headspace is acceptable in 40 ml vials requiring volatile analysis.



Organic Data Qualifiers for Final Report

B	The analyte was detected in the method blank and in the client's sample.
D	The result was obtained from a dilution.
E	The result exceeds the calibration range.
J	Estimated value because the analyte concentration is less than the reporting limit.
M	A matrix effect was present.
N	Presumptive evidence of a compound. The compound was identified qualitatively or as a Tentatively Identified Compound.
N/C	Not Calculable. Either the sample spiked was > 4X spike concentration, or the compound was diluted out, or the results of sample duplicate analysis were <RL.
P	Second-column or detector confirmation exceeded method criteria. Appropriate value is reported and data is flagged/qualified as instructed by method/regulation.
U or < or ND	The analyte was not detected.
*	The result is not within control limit(s).

Inorganic Data Qualifiers for Final Report

B	The analyte was detected in the method blank and in the client's sample.
E	The reported value is estimated because of the presence of interference.
J	Estimated value because the analyte concentration is less than the reporting limit.
N	The spiked sample recovery is not within control limits.
N/C	Not Calculable. Either the sample spiked was > 4X spike concentration, or the compound was diluted out, or the results of sample duplicate analysis were <RL.
U or < or ND	The analyte was not detected.
*	Duplicate analysis not within control limits
M	The duplicate injection precision was not met.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance and post spike recovery is greater than or equal to 40%, the sample is flagged with a "W" and no further action is required.
+	The Standard Additions Correlation Coefficient is <0.995.

It is permissible to submit an Out-of-Control Events/Corrective Action form and/or Case Narrative in lieu of using above qualifiers.

When the laboratory receives a sample that does not meet EPA requirements for sample collection, preservation or holding time, the laboratory is required to reject the samples. The client must be notified and asked whether the lab should proceed with analysis. Data from any samples that do not meet sample acceptance criteria (collection, preservation and holding time), must be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF) in an unambiguous manner clearly defining the nature and substance of the variation. NPDES samples from North Carolina that do not meet EPA requirements for sample collection, preservation or holding time are non-reportable for NPDES compliance monitoring.

Abbreviations

ND	Not Detected at or above the STL Pensacola reporting limit (RL)
NS	Not Submitted
NA	Not Applicable
MDL	STL Pensacola Method Detection Limit
RL	STL Pensacola Reporting Limit
NoMS	Not enough sample provided to prepare and/or analyze a method-required matrix spike (MS) and/or duplicate (MSD)

Florida Projects Inorganic/Organic

Refer to FL DEP 62-160; Table 4 Data Qualifier Codes. FL DEP Rule 62-160, Table 1 lists the Florida sites which require data qualifiers.

Arizona DEQ Projects

Any qualified data submitted to Arizona DEQ (ADEQ) after January 1, 2001 must be designated using the Arizona Data Qualifiers as developed by the Arizona ELAC technical subcommittee. Refer to the ADEQ qualifier list.

Severn Trent Laboratories Inc.

STL Pensacola • 3355 McLemore Dr • Pensacola, FL 32514
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STL PENSACOLA Certifications, Memberships & Affiliations

Alabama Department of Environmental Management, Laboratory ID No. 40150 (Drinking Water by Reciprocity with FL)

Arizona Department of Health Services, Lab ID No. AZ0589 (Hazardous Waste & Wastewater)

Arkansas Department of Pollution Control and Ecology, (88-0689) (Environmental)

California Department of Health Services, **ELAP** Laboratory ID No. I-2510 (Hazardous Waste and Wastewater)

Connecticut Department of Health Services, Connecticut Lab Approval No. PH-0697 (D W, H W and Wastewater)

Florida DOH, **NELAP** Laboratory ID No. E81010 (Drinking Water, Hazardous Waste and Wastewater)

Florida DEP/DOH CompQAP # 980156

Illinois Environmental Laboratory Accreditation Program (ELAP), **NELAP** Laboratory ID No. 200041 (Wastewater and Hazardous Waste)

Iowa Department of Natural Resources, Laboratory ID No. 367 (WW & UST)

Kansas Department of Health & Environment, **NELAP** Laboratory ID No. E10253 (Wastewater and Hazardous Waste)

Kentucky NR&EPC, Laboratory ID No. 90043 (Drinking Water)

Louisiana DEQ, LELAP, **NELAP** Laboratory ID No. 02075, Agency Interest ID 30748 (Environmental)

Maryland DH&MH Laboratory ID No. 233 (Drinking Water by Reciprocity with Florida)

Massachusetts DEP, Laboratory ID No. M-FL094 (Wastewater)

Michigan Bureau of E&OCC, Laboratory ID No.9912 (Drinking Water by Reciprocity with Florida)

New Hampshire DES ELAP, **NELAP** Laboratory ID No. 250502 (Drinking Water & Wastewater)

New Jersey DEP&E, **NELAP** Laboratory ID No. FL006 (Wastewater and Hazardous Waster)

North Carolina DENR, Laboratory ID No. 314 (Hazardous Waste and Wastewater)

North Dakota DH&Consol Labs, Laboratory ID No. R-108 Wastewater and Hazardous Waste by Reciprocity with Florida)

Oklahoma Department of Environmental Quality, Laboratory ID No. 9810 (Hazardous Waste and Wastewater)

Pennsylvania Department of Environmental Resources, **NELAP** Laboratory ID No. 68-467 (Drinking Water & Wastewater)

South Carolina DH&EC, Laboratory ID No. 96026 (Wastewater & Solids/Hazardous Waste by Reciprocity with FL)

Tennessee Department of Health & Environment, Laboratory ID No. 02907 (Drinking Water)

Virginia Department of General Services, Laboratory ID No. 00008 (Drinking Water by Reciprocity with FL)

West Virginia DOE, Office of Water Resources, Laboratory ID No. 136 (Haz Waste and Wastewater)

AIHA (American Industrial Hygiene Association) Accredited Laboratory, Laboratory ID No. 100704. Participant in AIHA sponsored Laboratory PAT Rounds

EPA ICR (Information Collection Rule) Approved Laboratory, Laboratory ID No. ICRFL031

NFESC (Naval Facilities Engineering Services Center)

USACE (United States Army Corps. of Engineers), MRD

STL Pensacola also has a foreign soil permit to accept soils from locations other than the continental United States. Permit No. S-37599

certlist\condcert.lst revised 10/15/03

Total Pages of Report

19

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
 2709-D Pan American Freeway, NE
 Albuquerque, NM 87107
 (505) 344-3777 Fax (505) 344-4413
 C310776

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	TOC	Gen Chemistry:	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS	
T6-3B / 310136-01	10.23	1144	N/A	N/A																					
T3-21	"-02	1206								Chloride 325.2															
T3-41	"-03	1212								X															
T1W-11	"-04	1225								X															
T1E-11	"-05	1228								X															
12SA-31	" 06	1335								X															
12S2-21	" 07	1357								X															
T2+31	" 08	1410								X															
T+3-31	" 09	1435								X															
T4-2B / 310136-10		1549								X															

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISHED BY:	RELINQUISHED BY:
PROJECT #: 310136	Total Number of Containers	PENSACOLA - STL-FL	Signature: [Signature]	Signature: [Signature]
PROJ. NAME: BRADO	Chain of Custody Seals	ESL - OR	Time: 15:00	Time: [Time]
QC LEVEL: STD IV	Received Intact?	A TEL - AZ	Printed Name: [Name]	Date: [Date]
QC REQUIRED: MS MSD BLANK	Received Good Cond./Cold	A TEL - MARION	Date: 10/22/03	Date: [Date]
TAT: STANDARD RUSH!!	LAB NUMBER:	A TEL - MELMORE	Company: Pinnacle Laboratories, Inc.	Company: [Company]
DUE DATE: 9 WKS + 2 days		EHL	RECEIVED BY: 1.	RECEIVED BY: 2.
RUSH SURCHARGE:	COMMENTS:	GEL	Signature: [Signature]	Signature: [Signature]
CLIENT DISCOUNT:		U OF MIAMI	Time: 12:27	Time: [Time]
SPECIAL CERTIFICATION		WCAS	Printed Name: [Name]	Printed Name: [Name]
REQUIRED: YES NO		WOHL	Date: 10/28/03	Date: [Date]

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
 2709-D Pan American Freeway, NE
 Albuquerque, NM 87107
 (505) 344-3777 Fax (505) 344-4413
 C310776

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	TOC	Gen Chemistry:	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS	
RS3-3/310136-11	10-23	1641	N/A	N/A																					
14-2/	-12	1706																							
15-2/	-13	1713																							
16-3/	-14	1727																							
17-2/	-15	1739																							
RS4-3.5/	-16	1752																							
RS5-1/	-17	1800																							
DL1-2/		1820																							
SS-2/		1833																							
S1-5/310136-20		1847																							

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISHED BY:	RELINQUISHED BY:
PROJECT #: 210136	Total Number of Containers	PENSACOLA - STL-FL	Signature: [Signature]	Signature: [Signature]
PROJ. NAME: PRAHO	Chain of Custody Seals	ESL - OR	Printed Name: [Name]	Printed Name: [Name]
QC LEVEL: STD. IV	Received Intact?	ATEL - AZ	Date: 10.27.03	Date: 10.27.03
QC REQUIRED: MS MSD BLANK	Received Good Cond./Cold	ATEL - MARION	Company: Pinnacle Laboratories, Inc.	Company: Pinnacle Laboratories, Inc.
LAB NUMBER: [Blank]	LAB NUMBER:	ATEL - MELMORE	RECEIVED BY: 1.	RECEIVED BY: 2.
COMMENTS:		EHL	Signature: [Signature]	Signature: [Signature]
DUE DATE:	RUSH SURCHARGE:	GEL	Printed Name: [Name]	Printed Name: [Name]
CLIENT DISCOUNT:	SPECIAL CERTIFICATION	U OF MIAMI	Date: 10/28/03	Date: 10/28/03
REQUIRED: YES NO		WCAS	Company: [Blank]	Company: [Blank]
		WOHL		

Network Project Manager: Jacinta Tenorio

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 Albuquerque, NM 87107
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 C310776

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	TOC	Gen Chemistry:	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS	
ST-1W/310136-21	10/23	1855	NA90																						1
SR-5/	10/23	1825							X																1
DU-2B1	10/23	1920							X																1
C-1/	10/24	0830							X																1
C-3		0833							X																1
C-5		0836							X																1
C-7		0842							X																1
C-8		0847							X																1
C-6		0854							X																1
C-4/310136-30		0858							X																1

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISHED BY:	RELINQUISHED BY:
PROJECT #: 310136	Total Number of Containers	PENSACOLA - STL-FL	Signature: [Signature]	Signature: [Signature]
PROJ. NAME: ACATHU	Chain of Custody Seals	ESL - OR	Printed Name: [Name]	Printed Name: [Name]
QC LEVEL: STD. IV	Received Intact?	ATEL - AZ	Date: 10.27.03	Date: [Date]
QC REQUIRED: MS MSD BLANK	Received Good Cond./Cold	ATEL - MARION	Company: Pinnacle Laboratories, Inc.	Company: [Company]
TAT: STANDARD RUSH!!	LAB NUMBER:	ATEL - MELMORE	RECEIVED BY: 1.	RECEIVED BY: 2.
DUE DATE:	COMMENTS:	EHL	Signature: [Signature]	Signature: [Signature]
RUSH SURCHARGE:		GEL	Printed Name: [Name]	Printed Name: [Name]
CLIENT DISCOUNT:		U OF MIAMI	Date: 10/28/03	Date: [Date]
SPECIAL CERTIFICATION		WCAS	Company: [Company]	Company: [Company]
REQUIRED: YES NO		WOHL		

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

PLI Accession #: **310136**

DATE: 10/25/03 PAGE: 1 OF 1

PROJECT MANAGER: Joe Tracy
COMPANY: Intera
ADDRESS: 6501 Americas Parkway NE Suite 820
 One Park Square Albuquerque NM 87110
PHONE: 505 246-1600
FAX: 505 246-2600
BILL TO: OGD Attn: Martez Kieling
COMPANY: NMOCD
ADDRESS: 1220 South St Francis Drive
 Santa Fe NM 87505

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) DMTBE DTMB DPCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB □/DBCP □	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics □PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutrall/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS	
T6-3B	10/23/03	1144	Soil	01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T3-2		1206		02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T3-4		1212		03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T1W-1		1225		04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T1E-1		1248		05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
RS1-3		1345		06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
RS2-2		1357		07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T2-3		1410		08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T1/3-3		1435		09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T4-2B		1509		10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS	
PROJ. NO.: Arabo	(RUSH) <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 1 WEEK (NORMAL) <input checked="" type="checkbox"/>	CERTIFICATION REQUIRED <input type="checkbox"/> NM <input type="checkbox"/> SDWA <input type="checkbox"/> AZ <input type="checkbox"/> OTHER	
PROJ. NAME: Arabo	METHANOL PRESERVATION <input checked="" type="checkbox"/> METALS <input type="checkbox"/> TOTAL <input type="checkbox"/> DISSOLVED		
P.O. NO.:	COMMENTS:		
SHIPPED VIA: Deliver			
SAMPLE RECEIPT			
NO CONTAINERS	AD		
CUSTODY SEALS	Y/N (NA)		
RECEIVED INTACT	YES		
BLUE ICE/COR	5.3 C		
RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
Signature: Kenned Clark	Time: 1550	Signature: [Signature]	Time: _____
Printed Name: Kenned Clark	Date: 10/24/03	Printed Name: _____	Date: _____
Company: _____	Company: See Reverse side (Force Majeure)	Company: _____	Company: _____
RECEIVED BY: 1.		RECEIVED BY: (LAB) 2.	
Signature: _____	Time: _____	Signature: [Signature]	Time: 1000
Printed Name: _____	Date: _____	Printed Name: MUNICINE TORVIO	Date: 10/24/03
Company: _____	Company: _____	Company: Pinnacle Laboratories Inc.	Company: _____



Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

PLI Accession #: **310136**

DATE: 10/23/03

PAGE: 2 OF 4

SHADED AREAS ARE FOR LAB USE ONLY.**PLEASE FILL THIS FORM IN COMPLETELY.**

PROJECT MANAGER: Joe Tracy

COMPANY: Intera

ADDRESS: 6501 Americas Parkway NE Suite 820
One Park Square Albuquerque NM 87110

PHONE: 505 246-1600

FAX: 505 246-2600

BILL TO: OCD ATTN Martine Kieling

COMPANY: NMOCD

ADDRESS: 1220 South St Francis Drive
Santa Fe NM 87505

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH (MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) DMTEB DTMB DPCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB D/BCP	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS	
R53-3	10/23/03	1641	Soil	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T4-2		1700		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T5-2		1713		13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
T6-3		1727		14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
S6-2		1739		15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
R54-3.5		1752		16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
R55-1		1800		17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
D41-2		1820		18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
S9-2		1833		19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
S1-0.5		1843		20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4

ANALYSIS REQUEST

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.: _____

PROJ. NAME: **Araho**

P.O. NO.: _____

SHIPPED VIA: **Delivered**

SAMPLE RECEIPT

NO CONTAINERS: **40**

CUSTODY SEALS: **Y/N (NA)**

RECEIVED INTACT: **YES**

BLUE ICE/ICE: **IBC**

COMMENTS: **6 A.C.**

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) 24hr 48hr 72hr 1 WEEK (NORMAL)

CERTIFICATION REQUIRED NM SDWA AZ OTHER

METHANOL PRESERVATION METALS TOTAL DISSOLVED

RELINQUISHED BY: 1.

Signature: **Kendall Clark**

Printed Name: **Kendall Clark**

Company: _____

See Reverse side (Force Majeure)

RECEIVED BY: 1.

Signature: _____

Printed Name: _____

Company: _____

RELINQUISHED BY: 2.

Signature: _____

Printed Name: _____

Company: _____

RECEIVED BY: 2.

Signature: **Martine Kieling**

Printed Name: **Martine Kieling**

Company: **Pinnacle Laboratories Inc.**

Time: **1550**

Date: **10/24/03**

Time: _____

Date: _____

Time: _____

Date: _____

SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: Joe Tracy
COMPANY: Intera
ADDRESS: 6501 Americas Parkway NE Suite 826
One Bell Square Albuquerque NM 87110
PHONE: 505 246-1600
FAX: 505 246-2600
BILL TO: OCD Attn: Markyne Kieding
COMPANY: NMCCD
ADDRESS: 1226 South St Francis Drive
Santa Fe NM 87505

ANALYSIS REQUEST

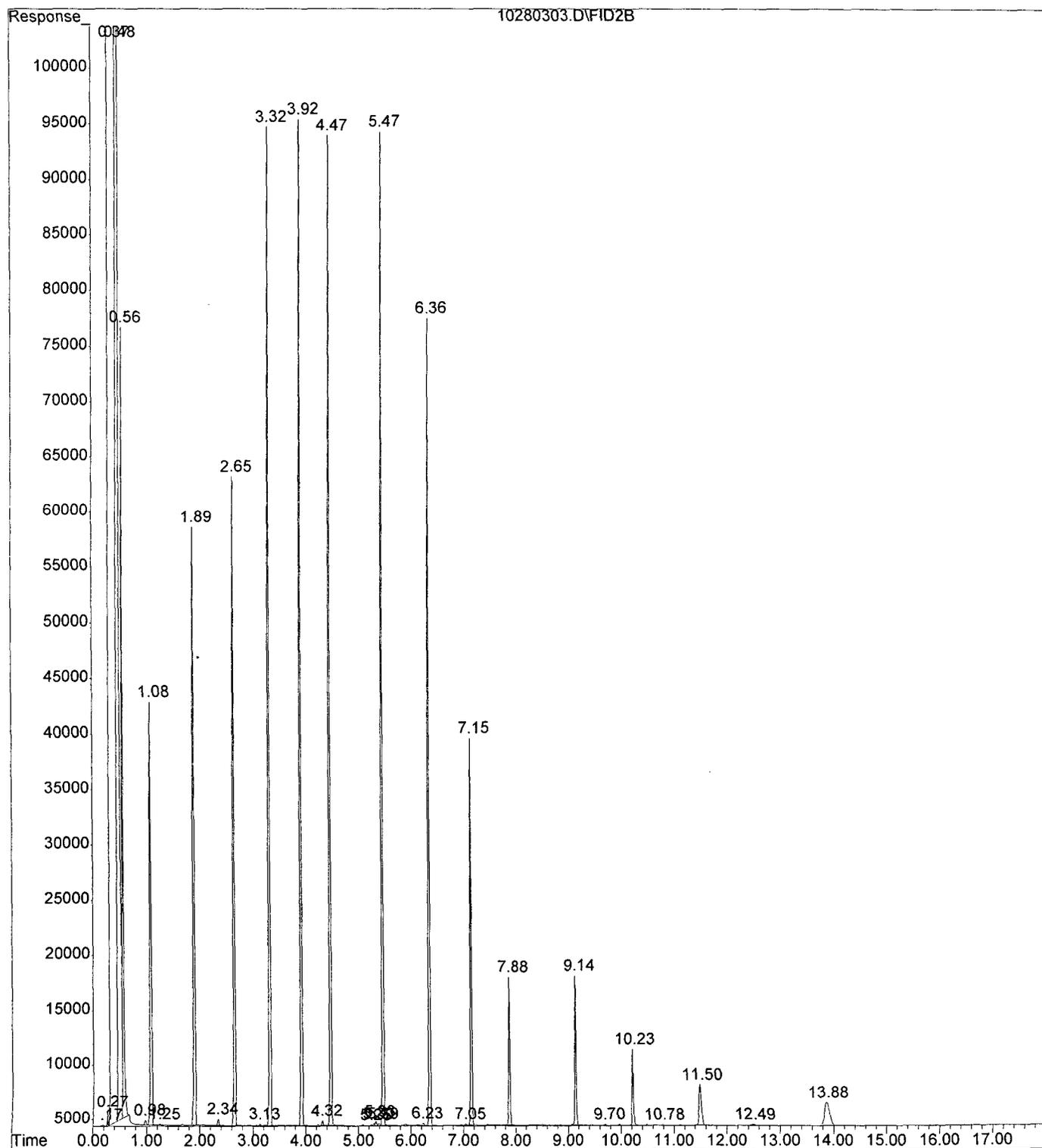
SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) DMTEB DTMB DPCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB D/BCP	Chloride 325.2	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics DPBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
S1-1N	10/23/03	1855	Soil	21	X	X		X	X					X	X															4
S8-1.5	10/23/03	1825		22	X	X		X	X					X	X															4
DL1-2B	10/23/03	1920		23	X	X		X	X					X	X															4
C-1	10/24/03	0830		24	X	X		X	X					X	X															1
C-3		0833		25	X	X		X	X					X	X															1
C-5		0836		26	X	X		X	X					X	X															1
C-7		0842		27	X	X		X	X					X	X															1
C-8		0847		28	X	X		X	X					X	X															1
C-6		0854		29	X	X		X	X					X	X															1
C-4		0858		30	X	X		X	X					X	X															1

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

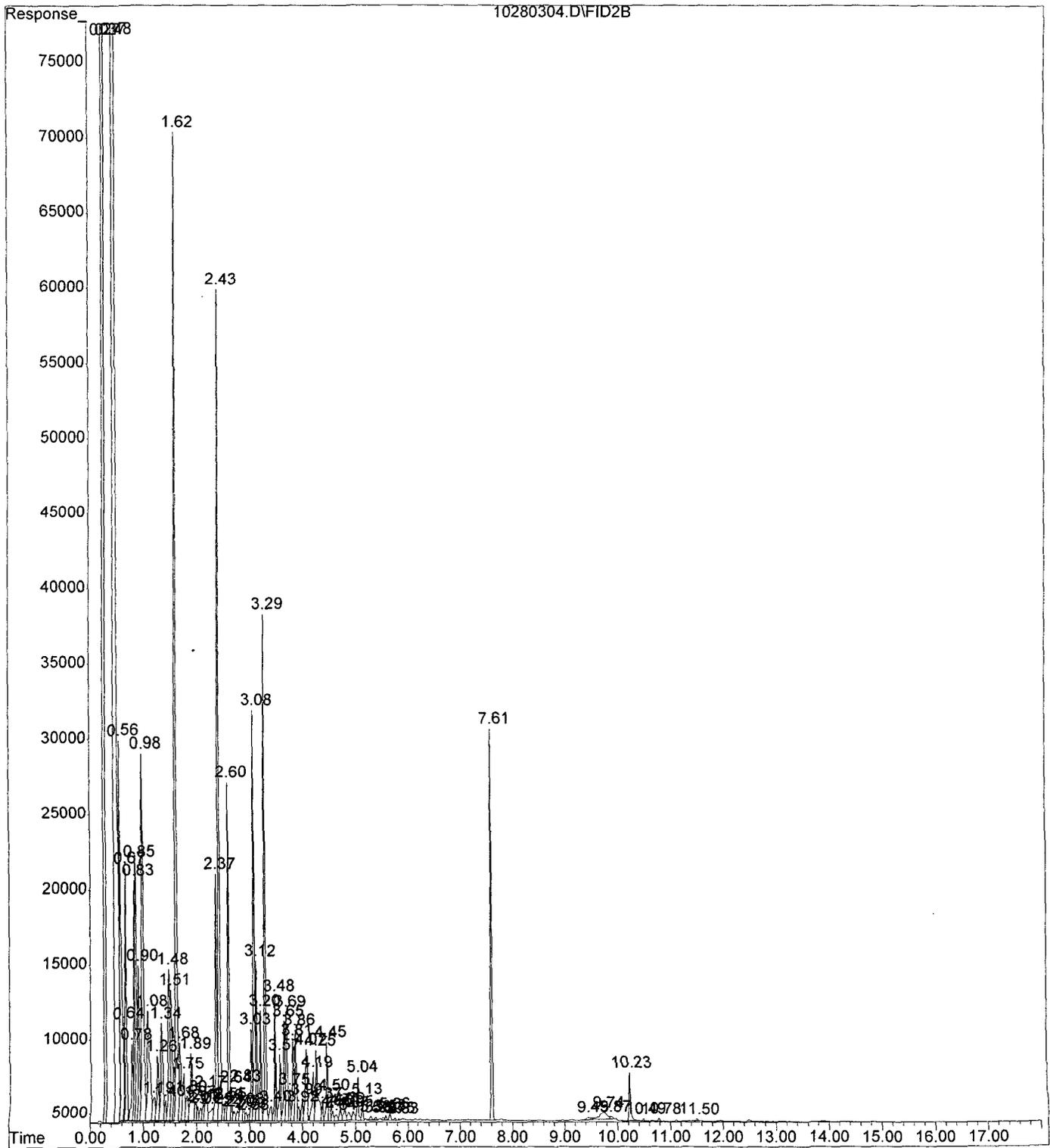
PROJECT INFORMATION	PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS																												
PROJ. NO.:	(RUSH) <input type="checkbox"/> 24hr* <input type="checkbox"/> 48hr* <input type="checkbox"/> 72hr* <input type="checkbox"/> 1 WEEK	(NORMAL) <input checked="" type="checkbox"/>																											
PROJ. NAME: Arecibo	CERTIFICATION REQUIRED <input type="checkbox"/> NM <input type="checkbox"/> SDWA <input type="checkbox"/> AZ <input type="checkbox"/> OTHER																												
P.O. NO.:	METHANOL PRESERVATION <input checked="" type="checkbox"/> METALS <input type="checkbox"/> TOTAL <input type="checkbox"/> DISSOLVED																												
SHIPPED VIA: Delivered	COMMENTS:																												
SAMPLE RECEIPT																													
NO CONTAINERS: 19																													
CUSTODY SEALS: Y/N/NA																													
RECEIVED INTACT: YBS																													
BLUE ICE: 5.3c	6.4c																												
<table border="1"> <thead> <tr> <th>RELINQUISHED BY:</th> <th>1.</th> <th>2.</th> </tr> </thead> <tbody> <tr> <td>Signature:</td> <td><i>Konrad Clark</i></td> <td><i>[Signature]</i></td> </tr> <tr> <td>Printed Name:</td> <td>Konrad Clark</td> <td>[Name]</td> </tr> <tr> <td>Company:</td> <td></td> <td></td> </tr> <tr> <td>See Reverse side (Force Majeure)</td> <td></td> <td></td> </tr> <tr> <td>RECEIVED BY:</td> <td>1.</td> <td>2.</td> </tr> <tr> <td>Signature:</td> <td>[Signature]</td> <td>[Signature]</td> </tr> <tr> <td>Printed Name:</td> <td>[Name]</td> <td>[Name]</td> </tr> <tr> <td>Company:</td> <td></td> <td>Pinnacle Laboratories Inc.</td> </tr> </tbody> </table>			RELINQUISHED BY:	1.	2.	Signature:	<i>Konrad Clark</i>	<i>[Signature]</i>	Printed Name:	Konrad Clark	[Name]	Company:			See Reverse side (Force Majeure)			RECEIVED BY:	1.	2.	Signature:	[Signature]	[Signature]	Printed Name:	[Name]	[Name]	Company:		Pinnacle Laboratories Inc.
RELINQUISHED BY:	1.	2.																											
Signature:	<i>Konrad Clark</i>	<i>[Signature]</i>																											
Printed Name:	Konrad Clark	[Name]																											
Company:																													
See Reverse side (Force Majeure)																													
RECEIVED BY:	1.	2.																											
Signature:	[Signature]	[Signature]																											
Printed Name:	[Name]	[Name]																											
Company:		Pinnacle Laboratories Inc.																											

PLEASE FILL THIS FORM IN COMPLETELY.

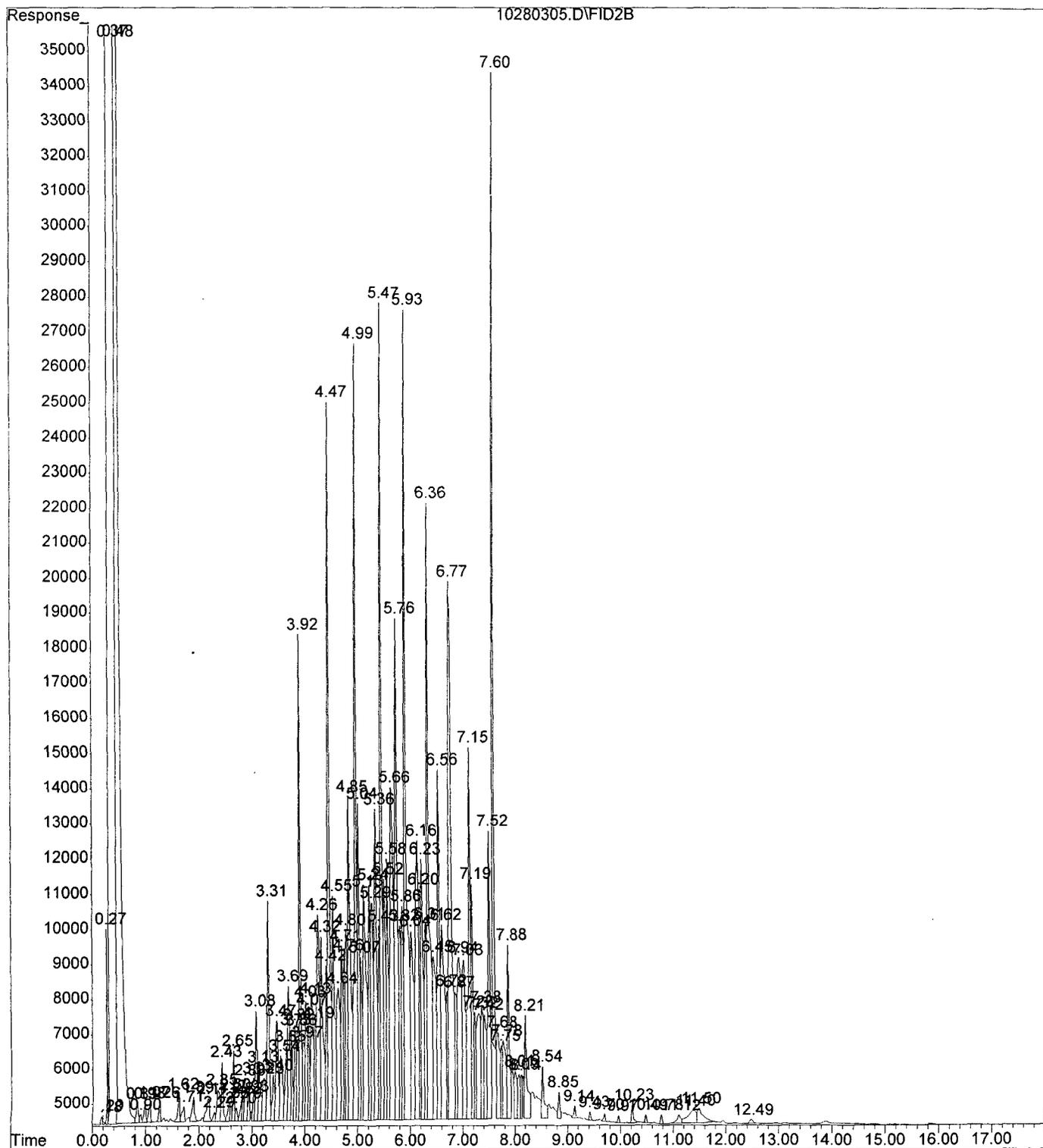
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Sample Name: RT STD
Misc Info : GC4-118-01
Vial Number: 2



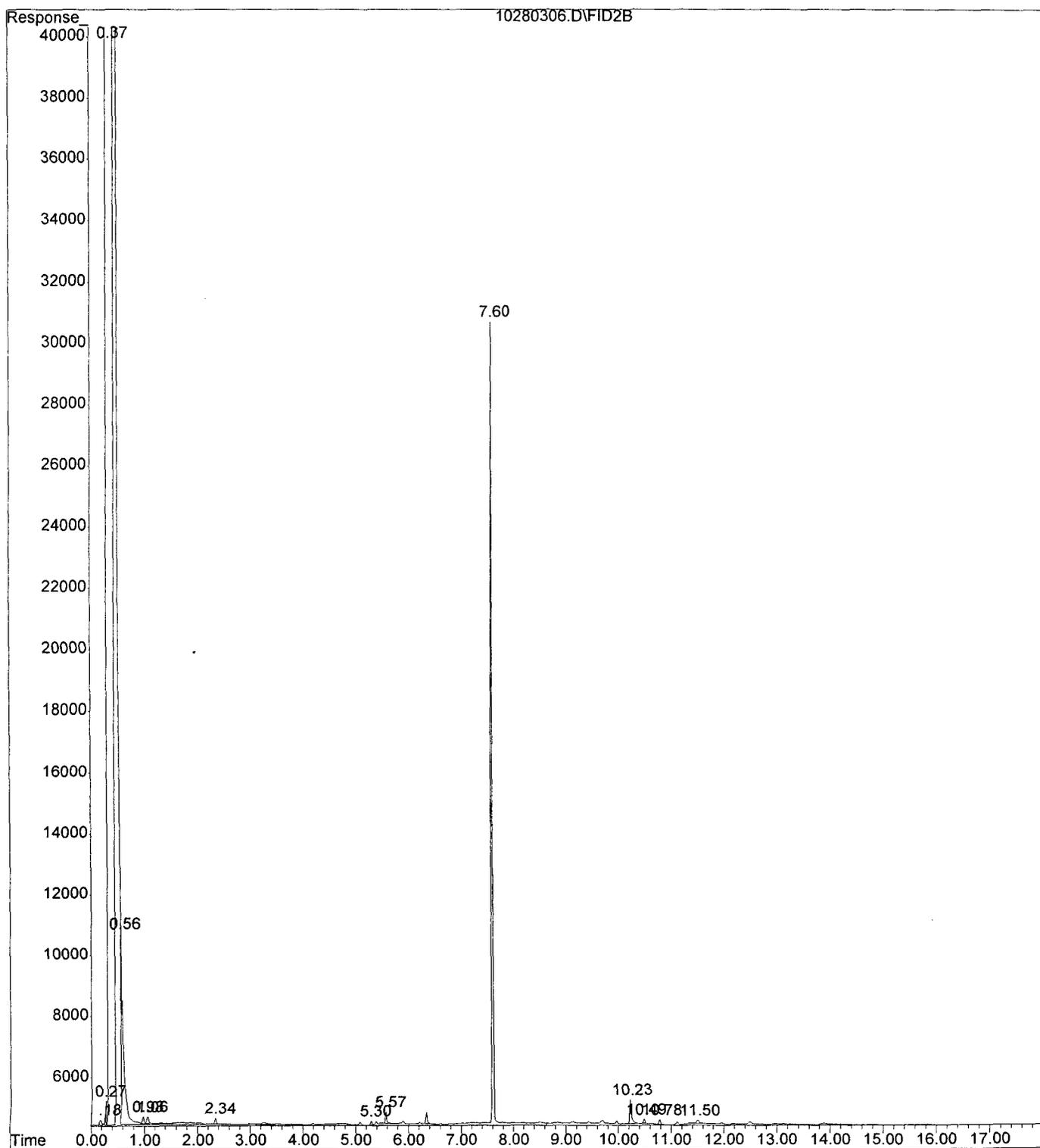
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Sample Name: GRO CCV-200PPB
Misc Info : GC4-121-10
Vial Number: 3



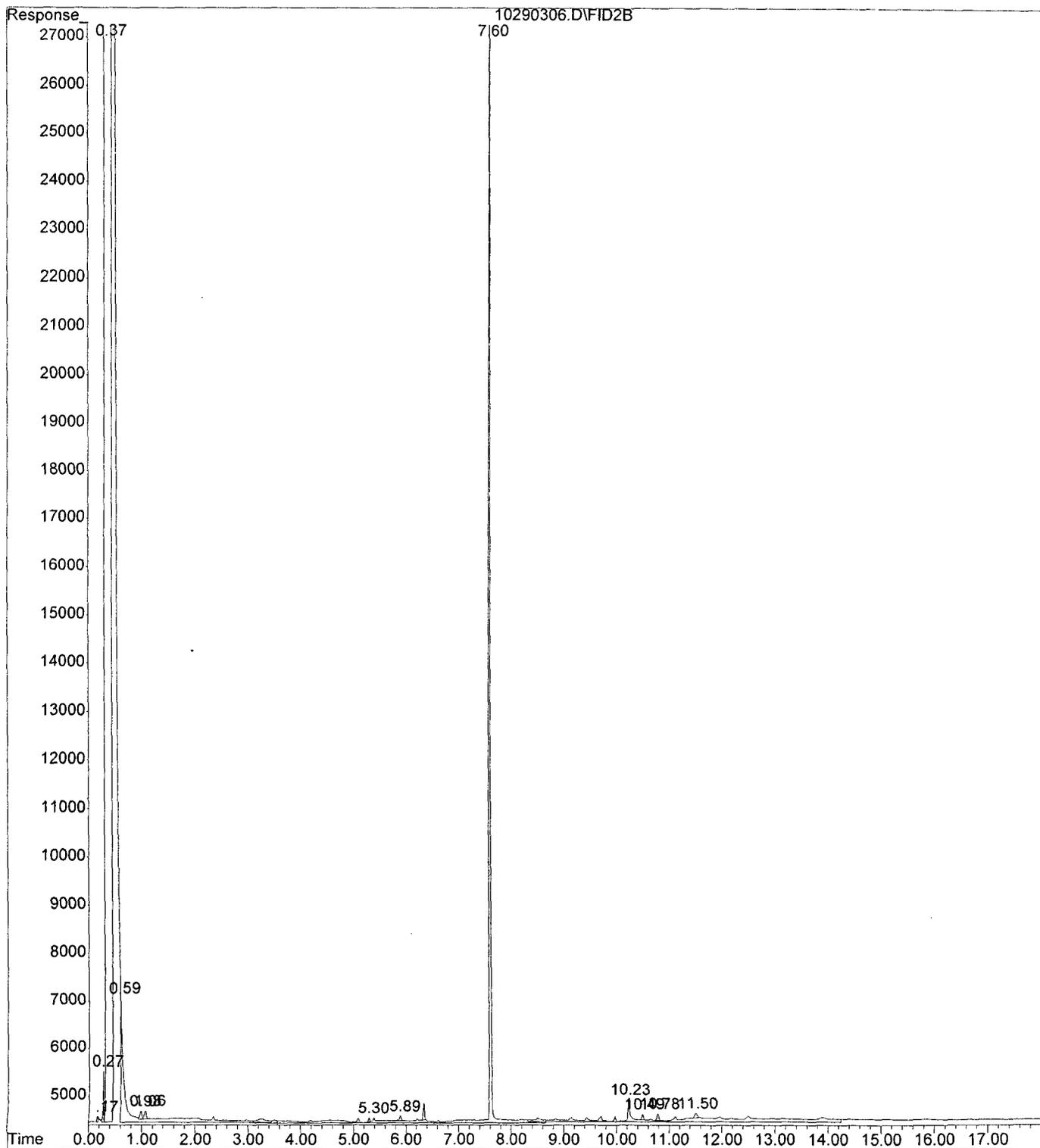
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Instrument : FID-1
Sample Name: DRO CCV-200PPB
Misc Info : GC4-121-1-09
Vial Number: 4



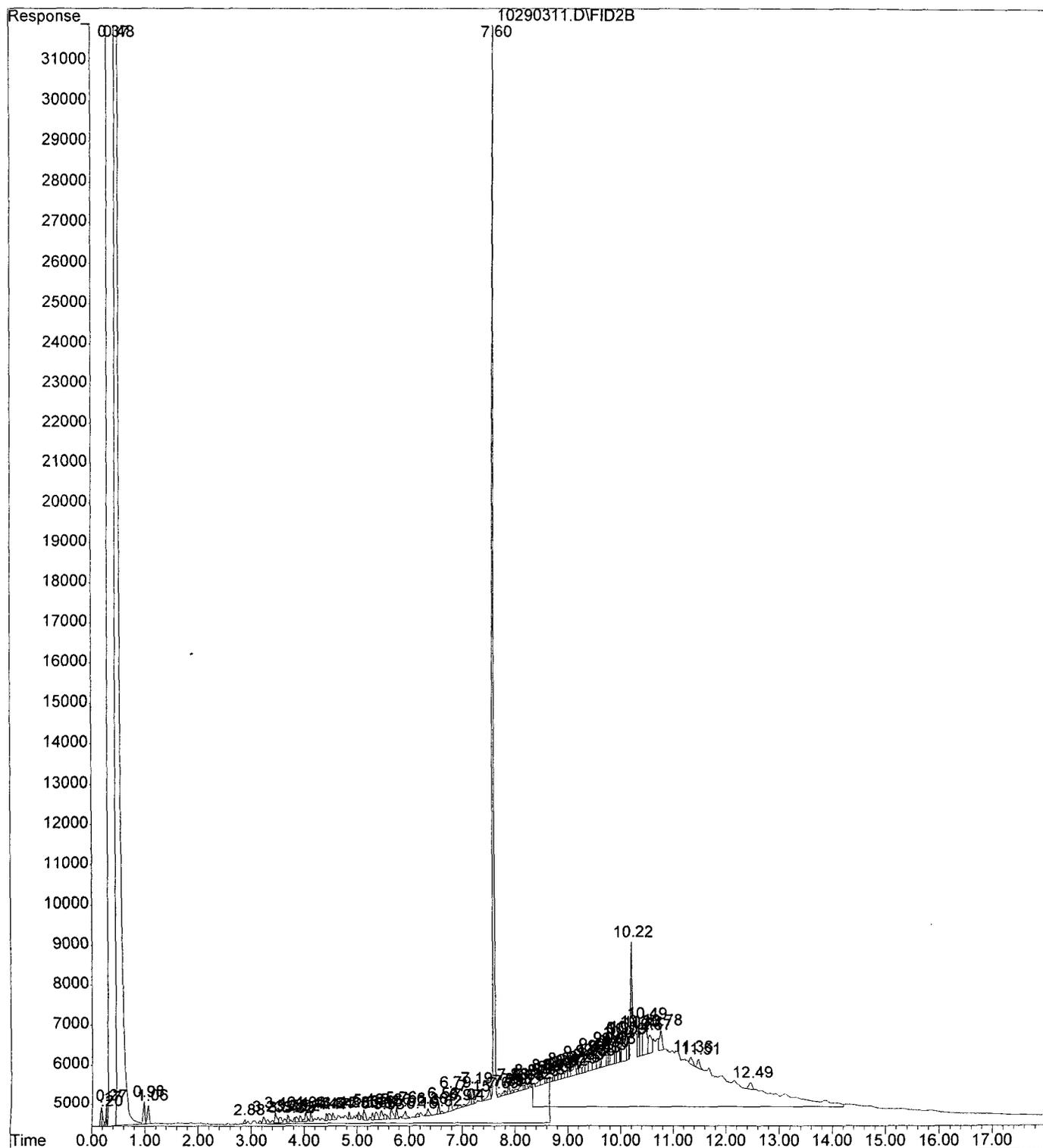
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Instrument : FID-1
Sample Name: SRB 1027
Misc Info : 10G/10ML 10/27
Vial Number: 5



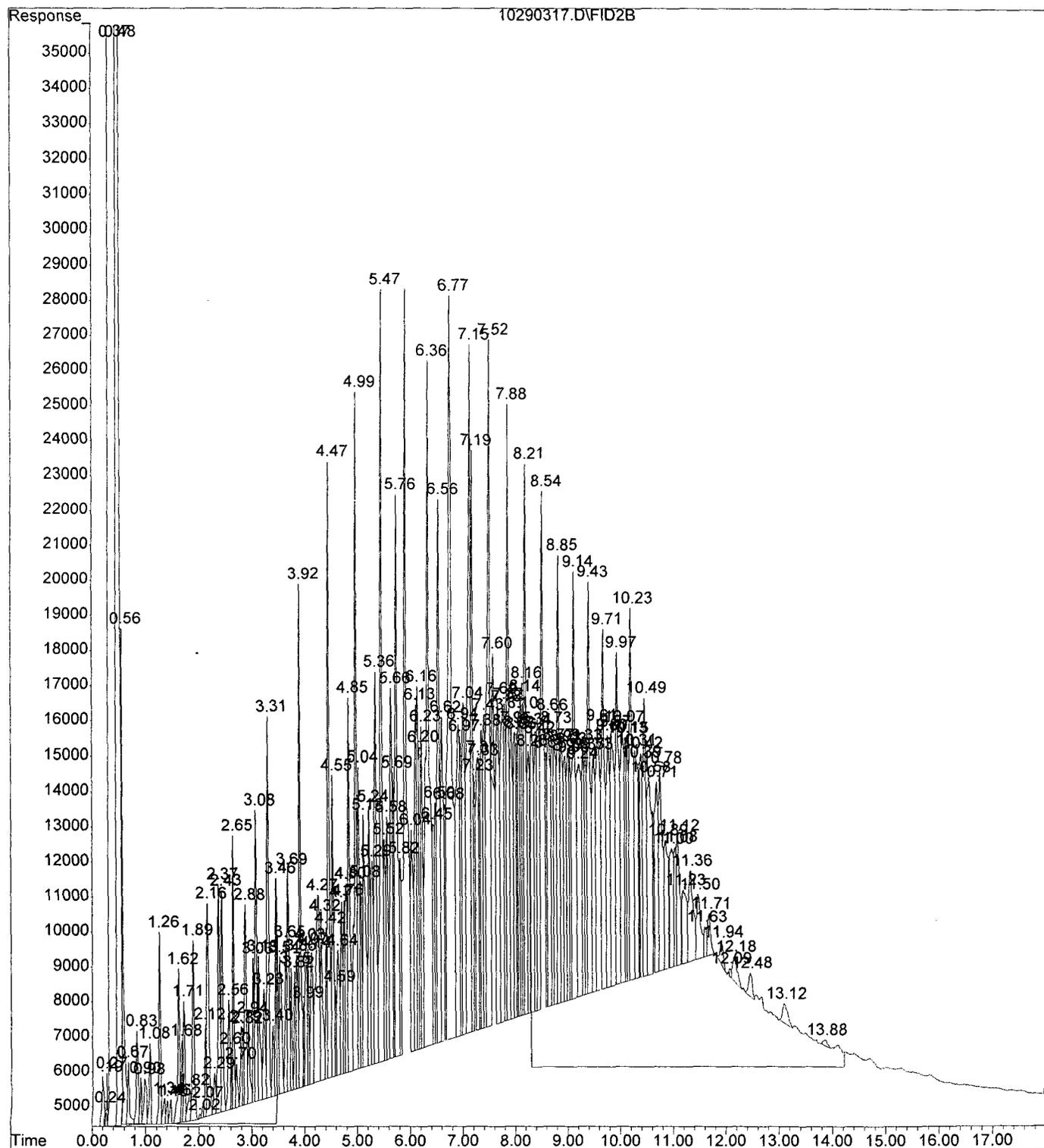
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Operator : VPH
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Instrument : FID-1
Sample Name: SRB 1028
Misc Info : 10G/10ML 10/28
Vial Number: 5



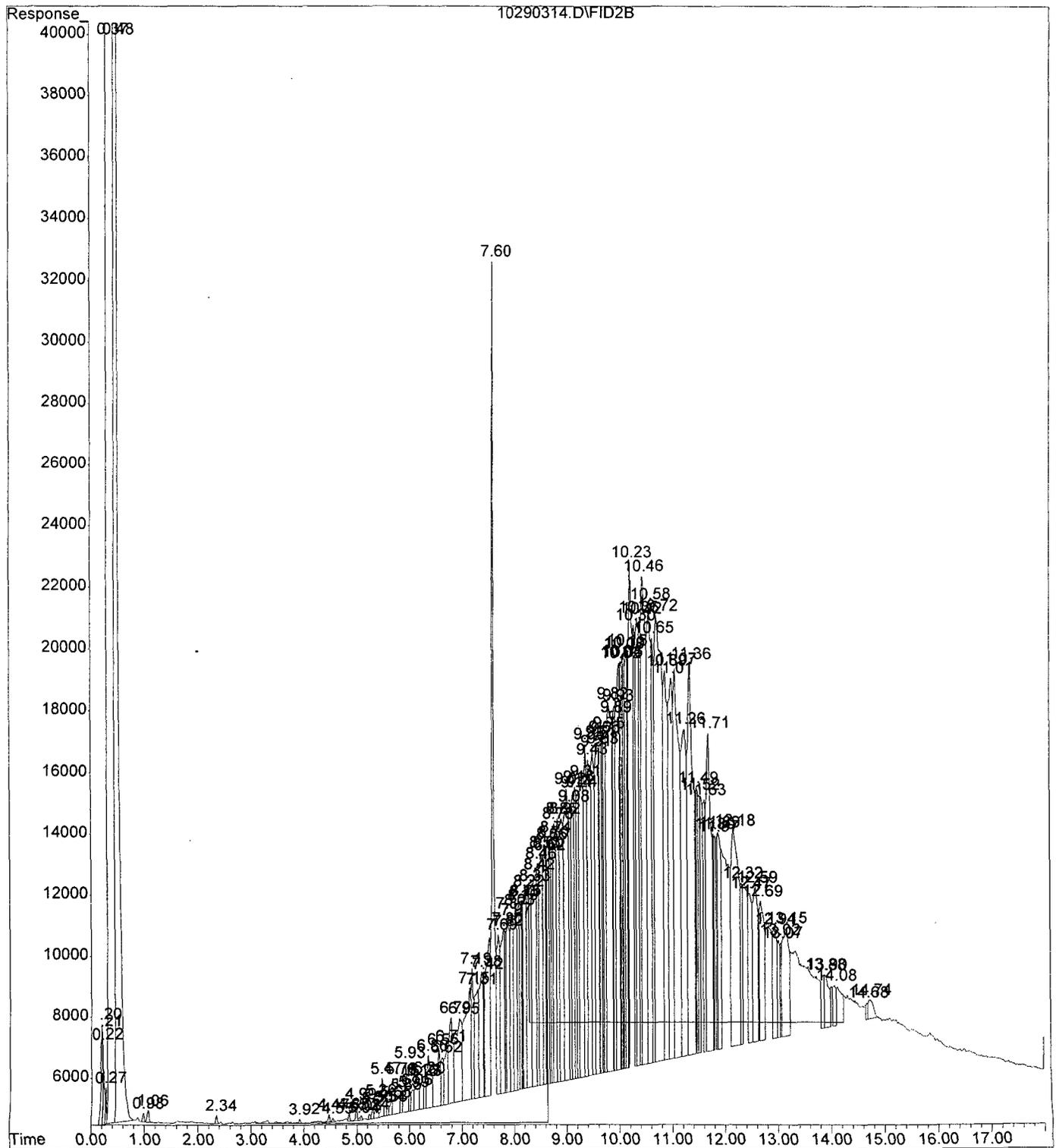
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Operator : VPH
Acquired : 29 Oct 2003 13:57 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-01 RR
Misc Info : 10G/10ML 10/27
Vial Number: 10



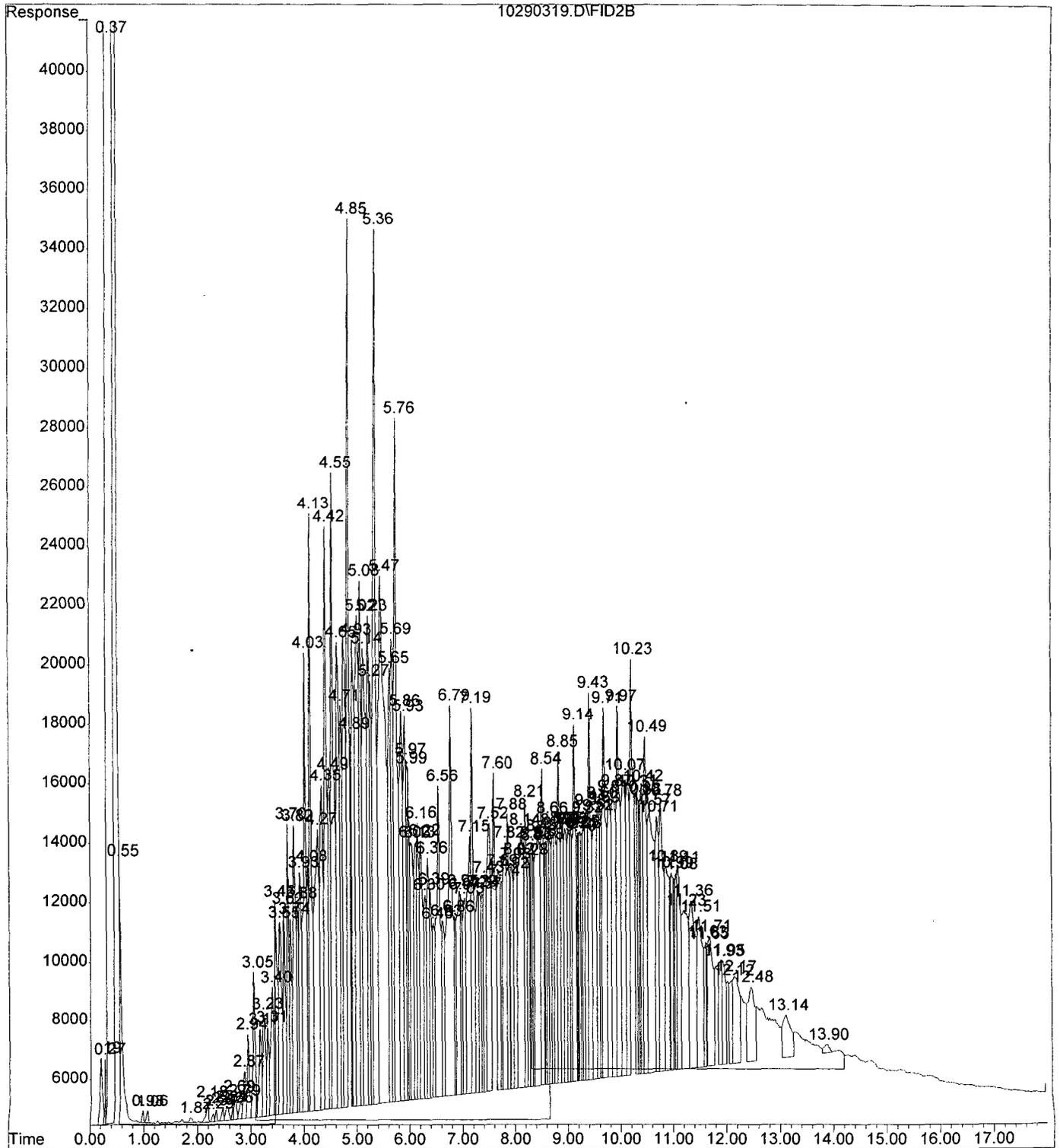
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Instrument : FID-1
Sample Name: 310136-02 RR 5X
Misc Info : 10G/10ML 10/27 200UL/1ML
Vial Number: 15



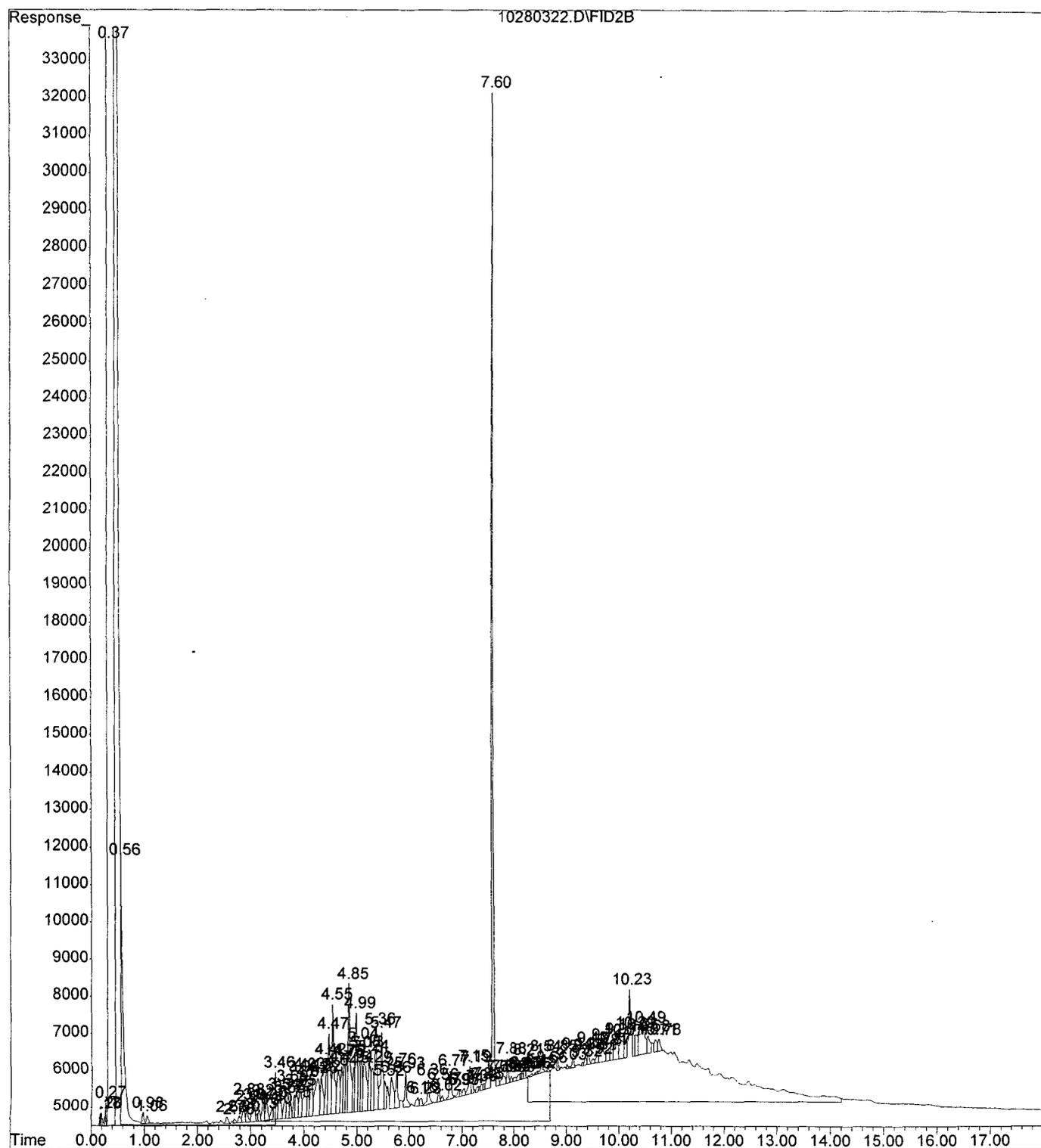
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Instrument : FID-1
Sample Name: 310136-03 RR
Misc Info : 10G/10ML 10/27
Vial Number: 13



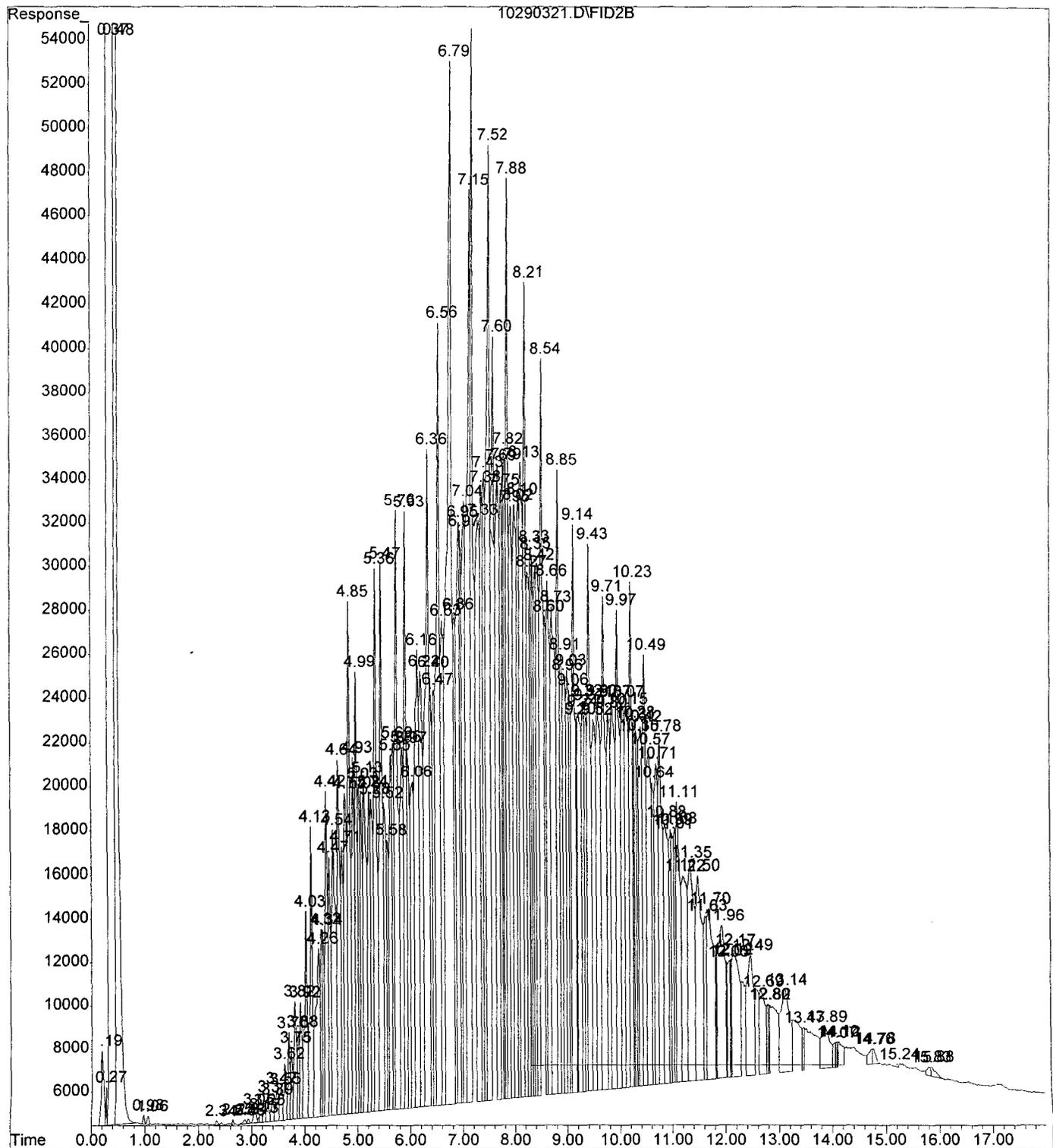
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Operator : VPH
Acquired : 29 Oct 2003 17:42 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-04 RR 5X
Misc Info : 10G/10ML 10/27 200UL/1ML
Vial Number: 17



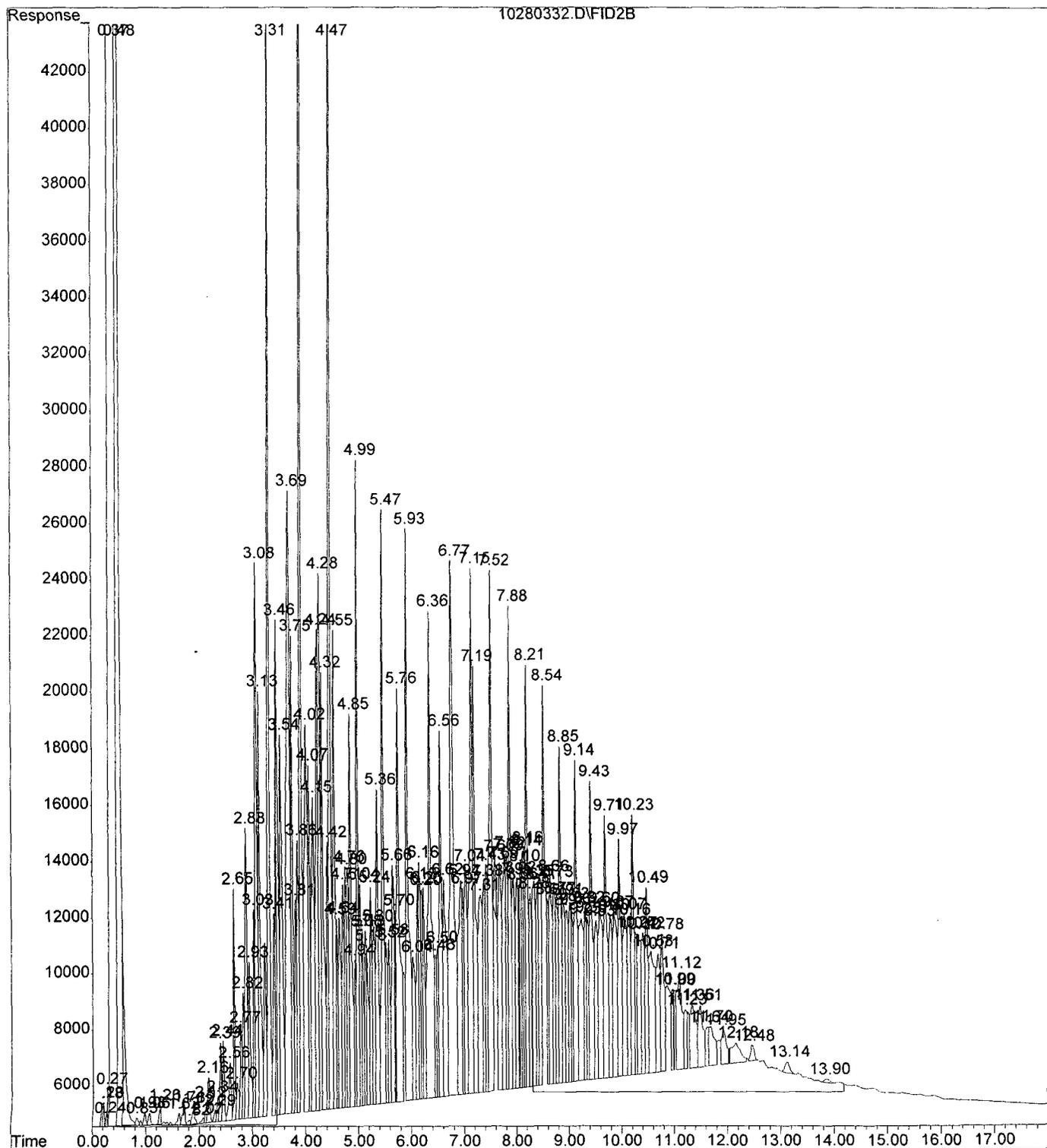
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Operator : VPH
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Instrument : FID-1
Sample Name: 310136-06
Misc Info : 10G/10ML 10/27
Vial Number: 21



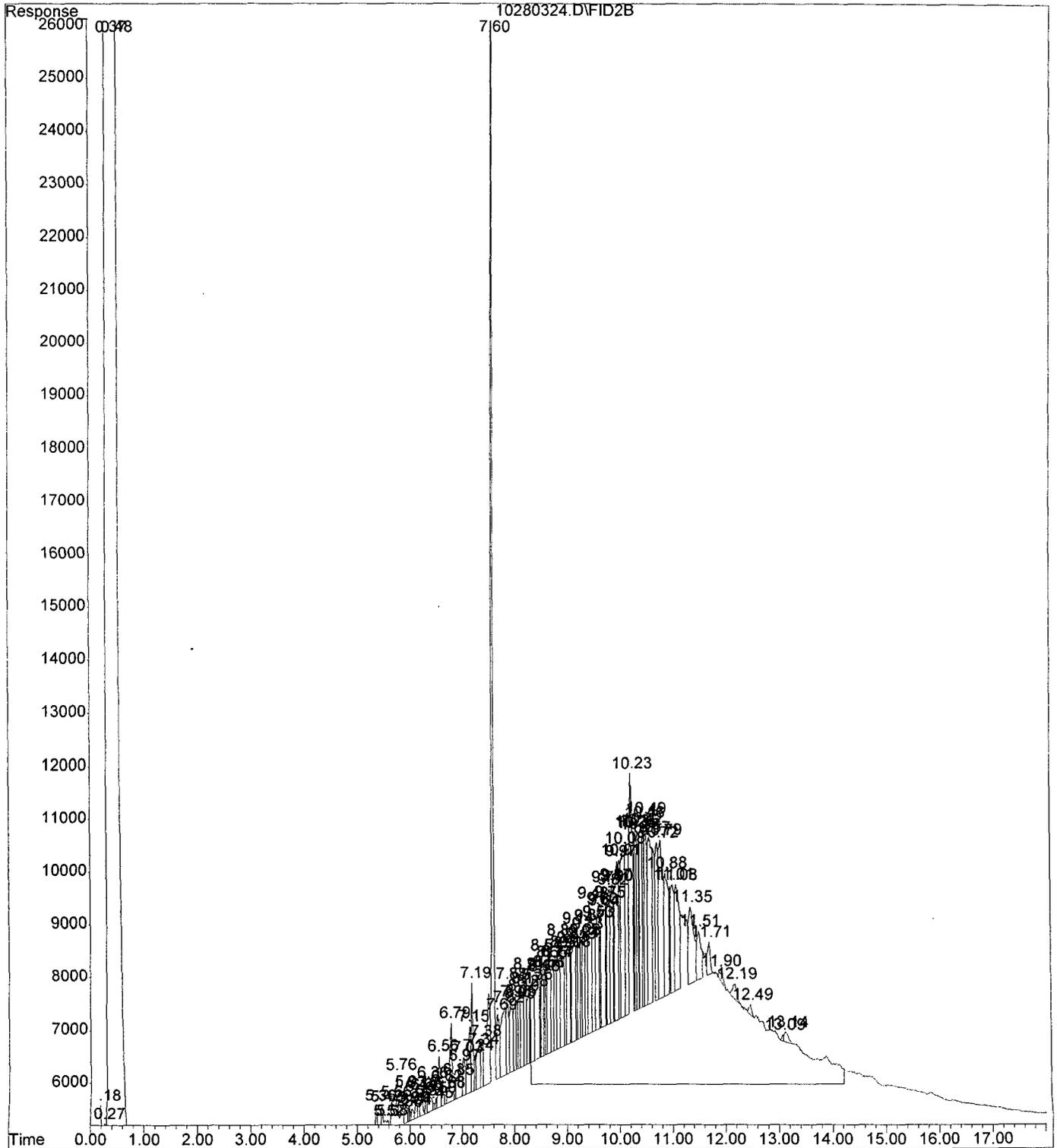
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 Instrument : FID-1
 Sample Name: 310136-07 RR 2X
 Misc Info : 10G/10ML 10/27 500UL/1ML
 Vial Number: 18



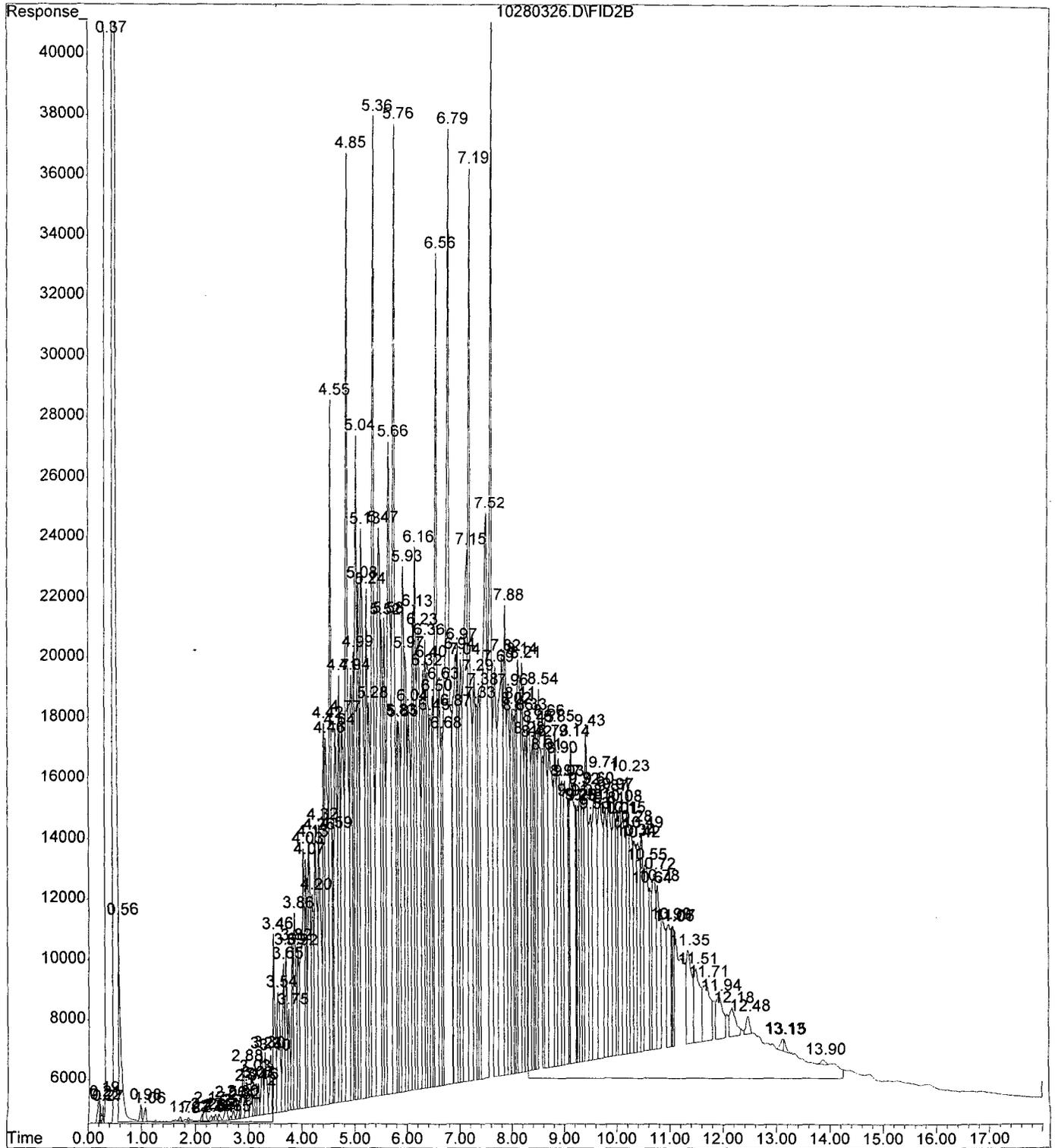
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Acquired : 29 Oct 2003 2:14 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-08 10X
Misc Info : 10G/10ML 10/27 100UL/1ML
Vial Number: 31



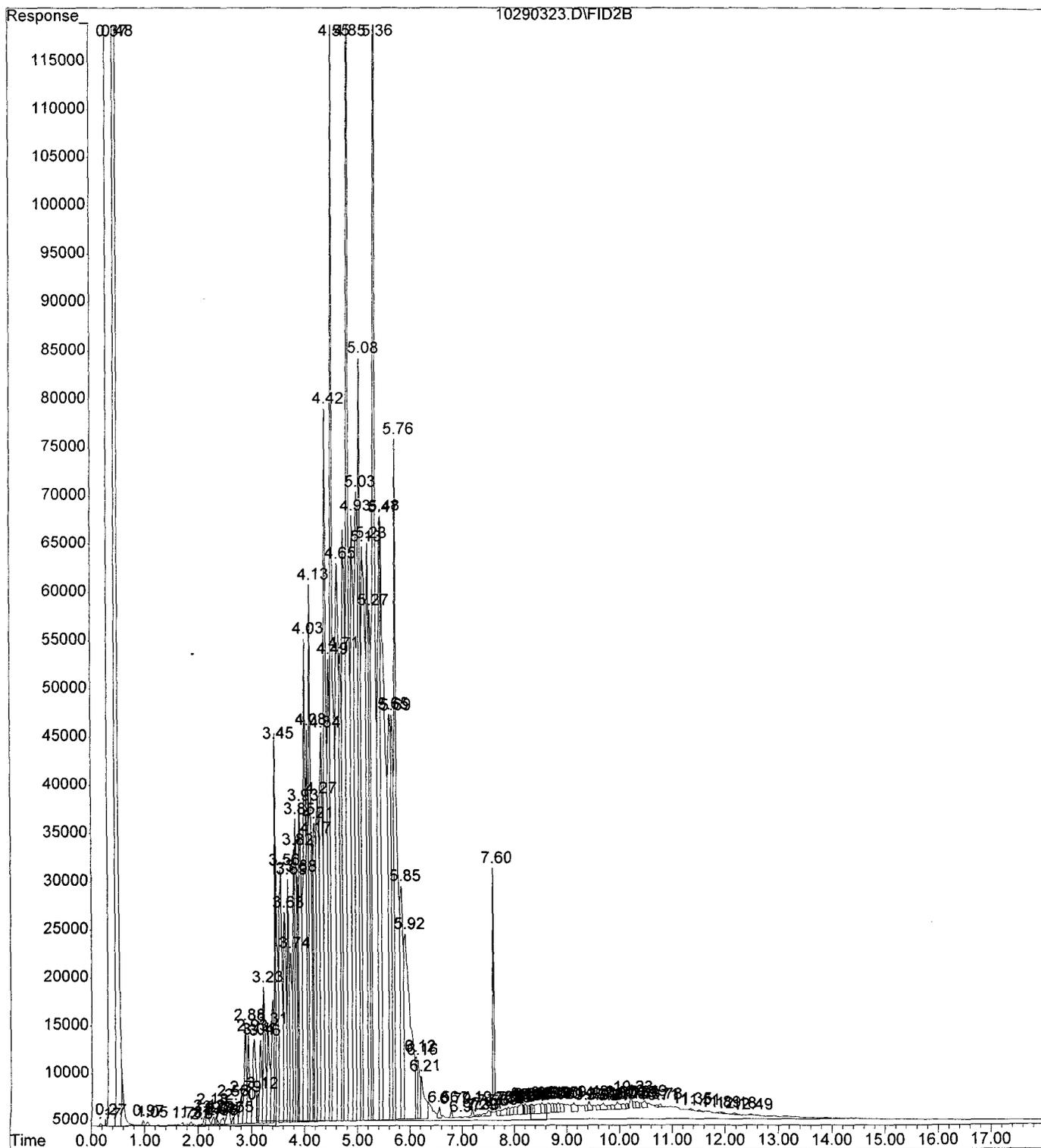
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Operator : VPH
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Instrument : FID-1
Sample Name: 310136-10
Misc Info : 10G/10ML 10/27
Vial Number: 23



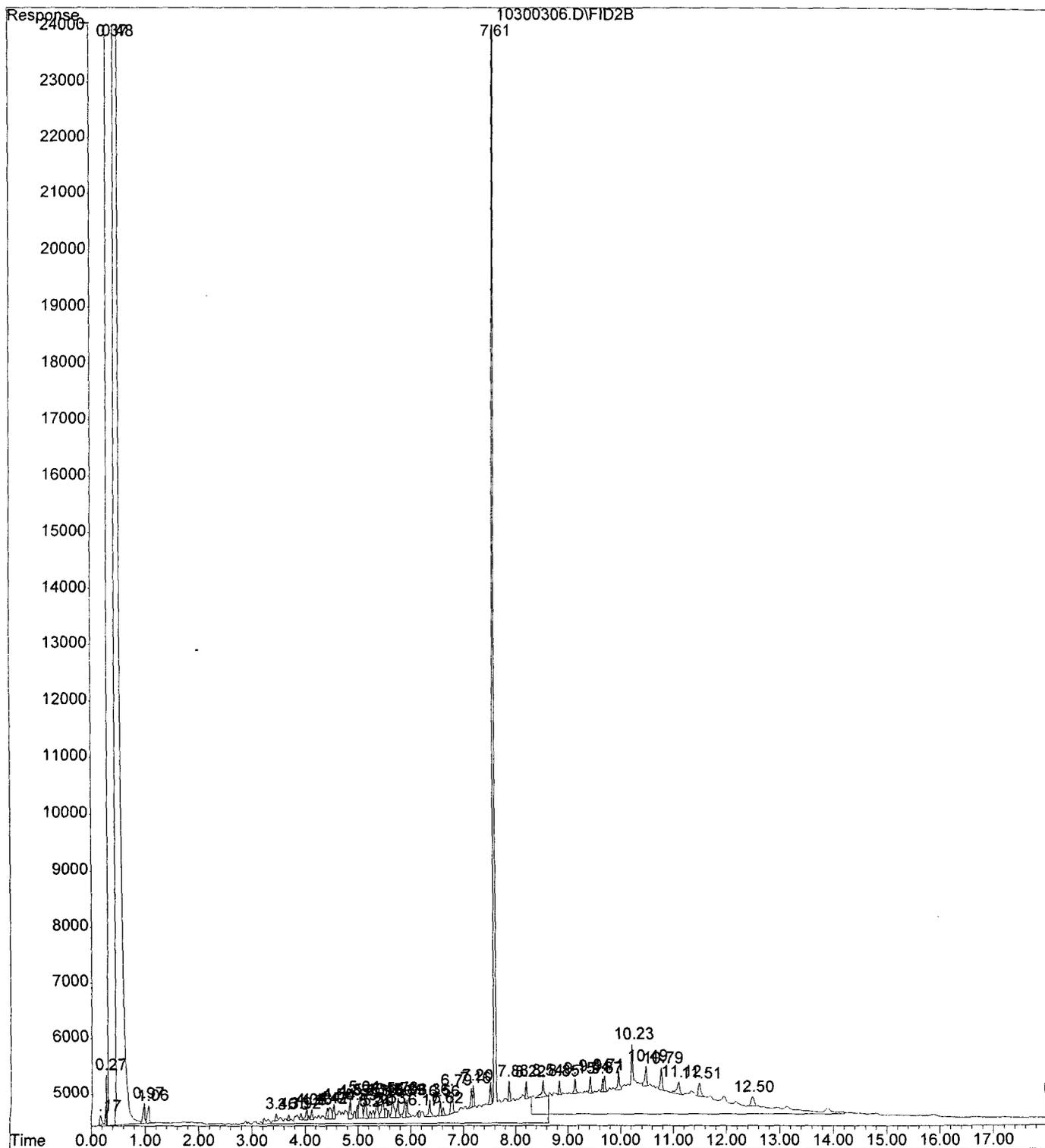
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Operator : VPH
Acquired : 28 Oct 2003 23:23 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-12
Misc Info : 10G/10ML 10/27
Vial Number: 25



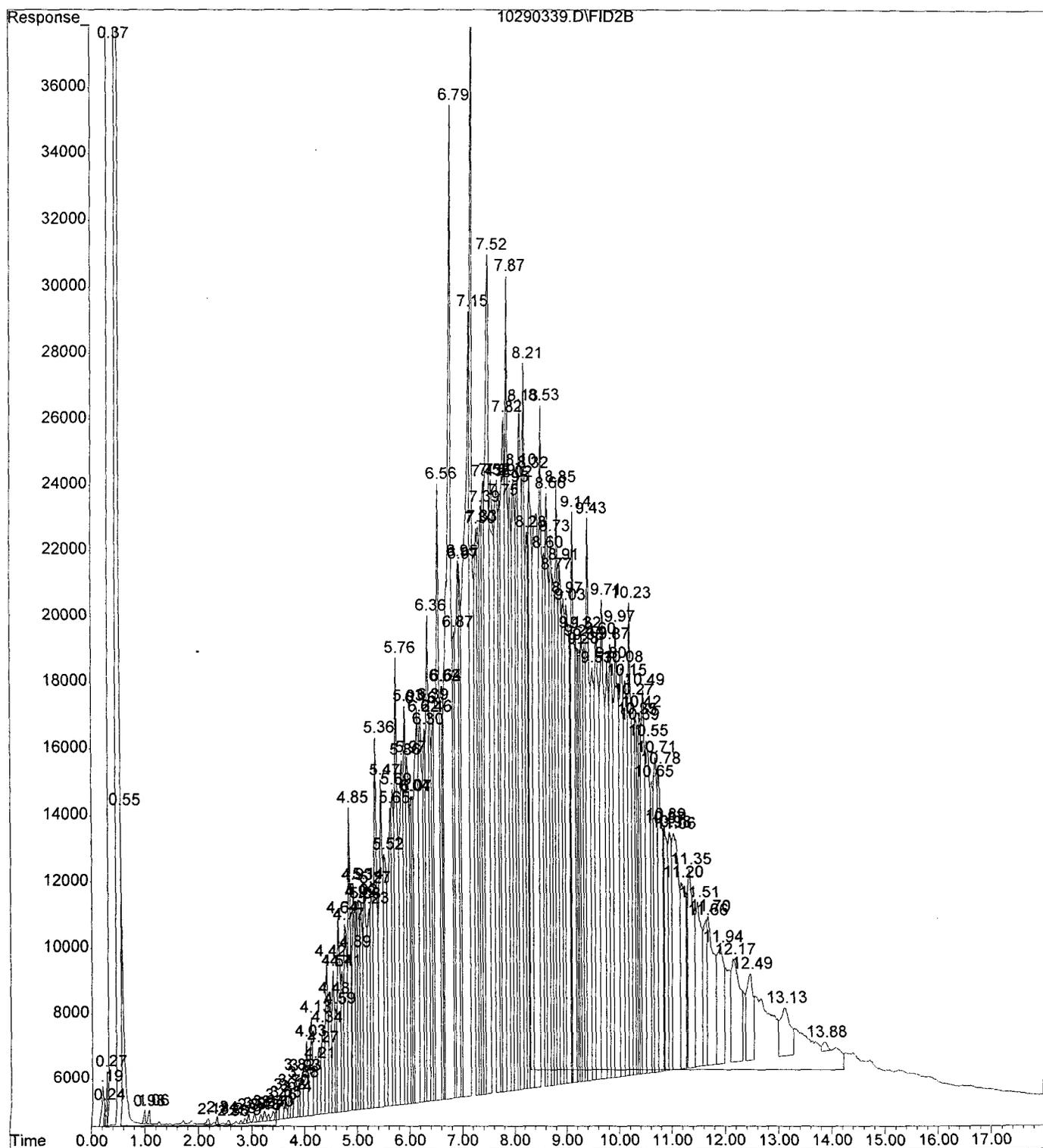
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 Operator : VPH
 Acquired : 29 Oct 2003 19:35 using AcqMethod TPH1027.M
 Instrument : FID-1
 Sample Name: 310136-13
 Misc Info : 10G/10ML 10/28
 Vial Number: 19



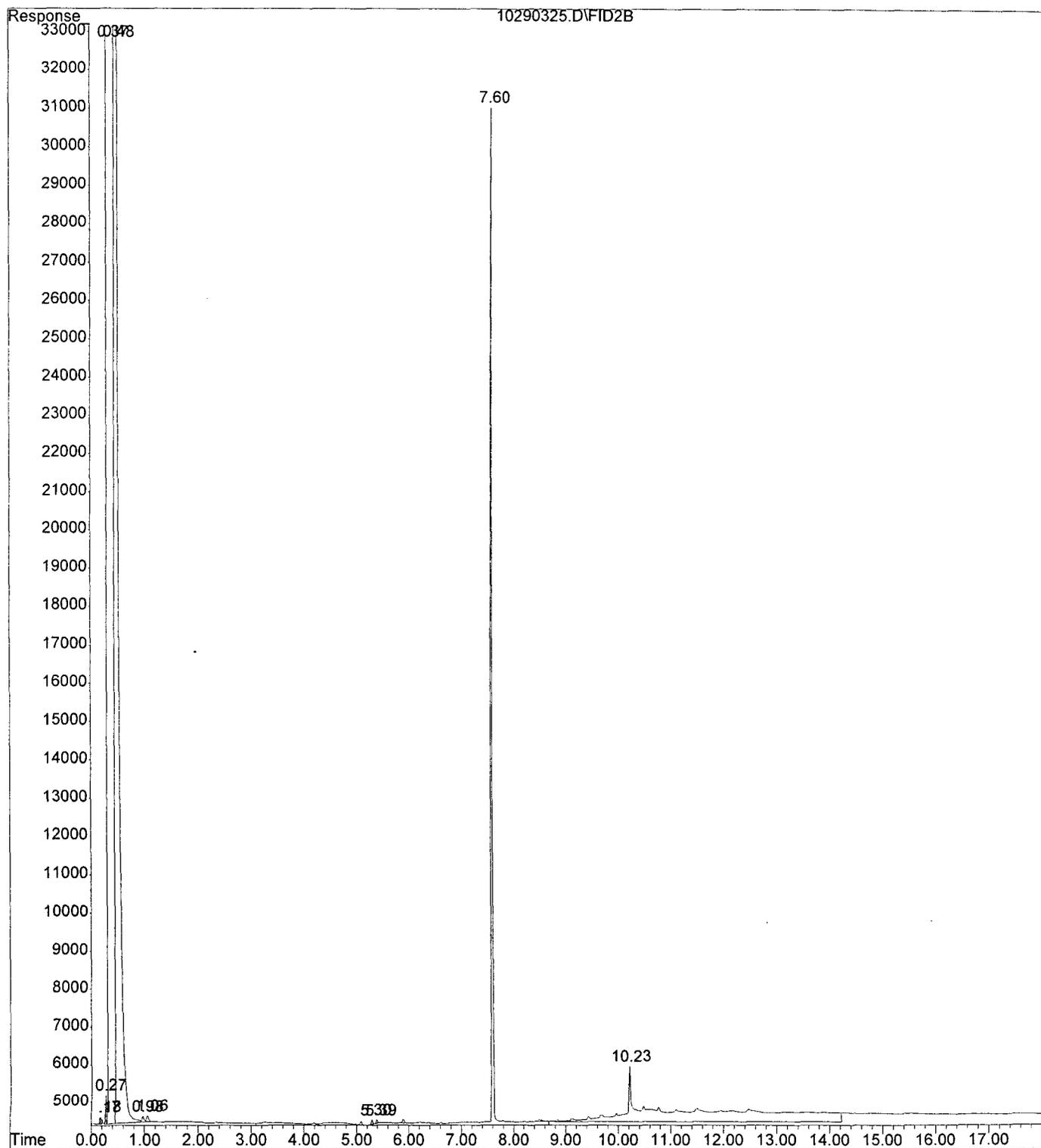
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Operator : VPH
Acquired : 30 Oct 2003 10:59 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-14
Misc Info : 10G/10ML 10/28
Vial Number: 5



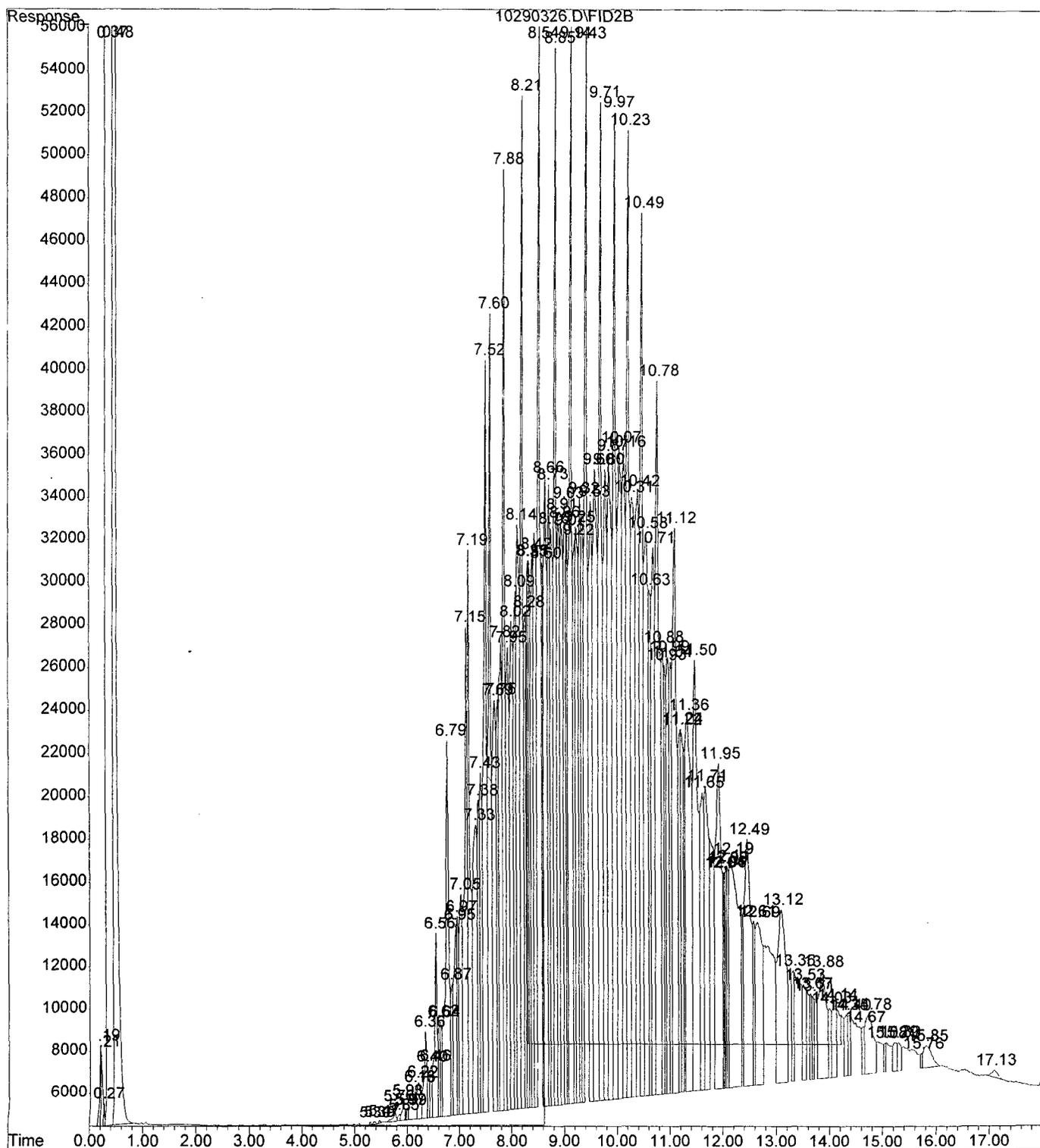
File : C:\HPCHEM\2\DATA\102903F\10290339.D
Operator : VPH
Acquired : 30 Oct 2003 3:05 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-15 20X
Misc Info : 10G/10ML 10/28 150UL/1ML
Vial Number: 33



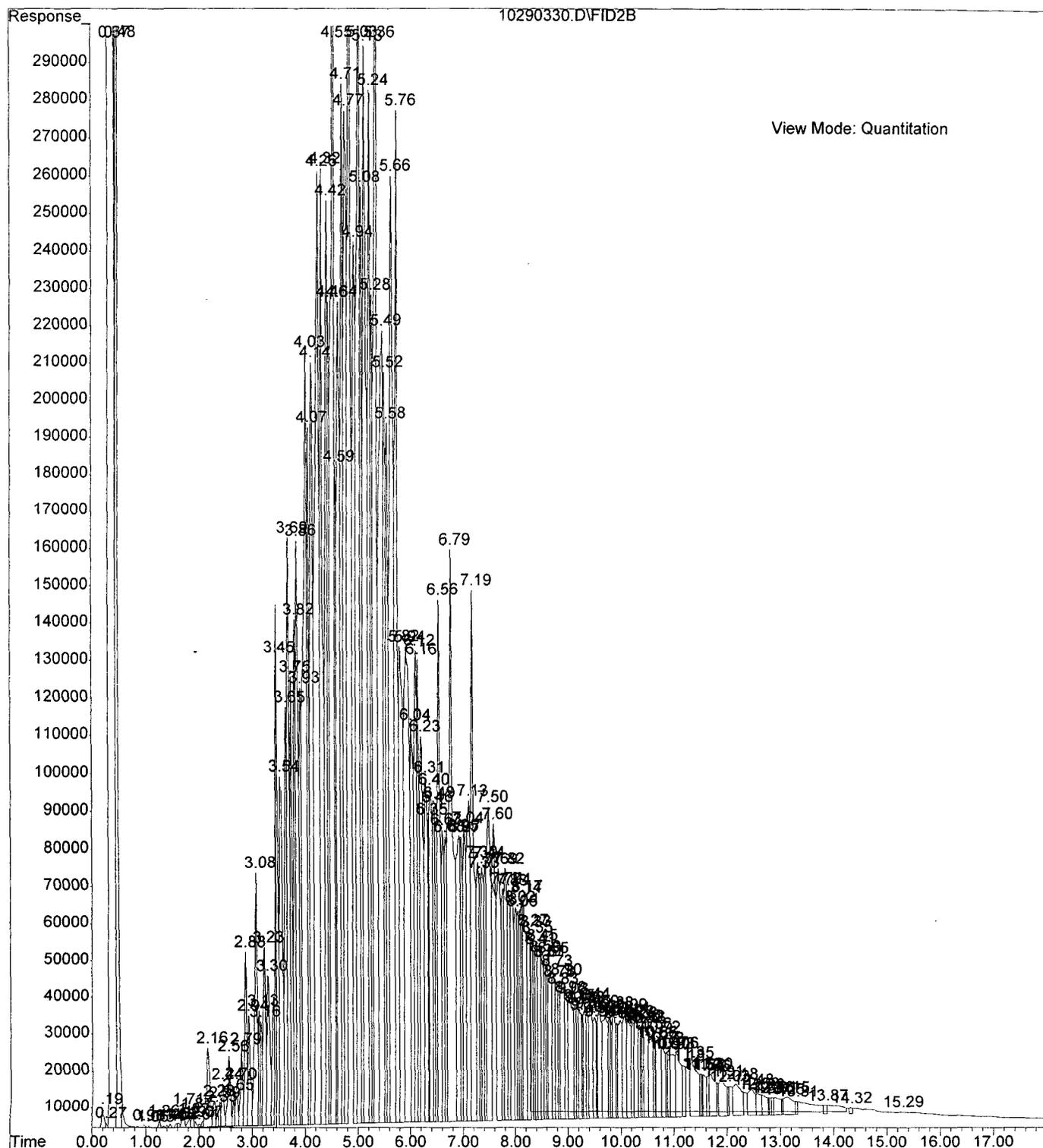
File : C:\HPCHEM\2\DATA\102903F\10290325.D
Operator : VPH
Acquired : 29 Oct 2003 20:31 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-16
Misc Info : 10G/10ML 10/28
Vial Number: 21



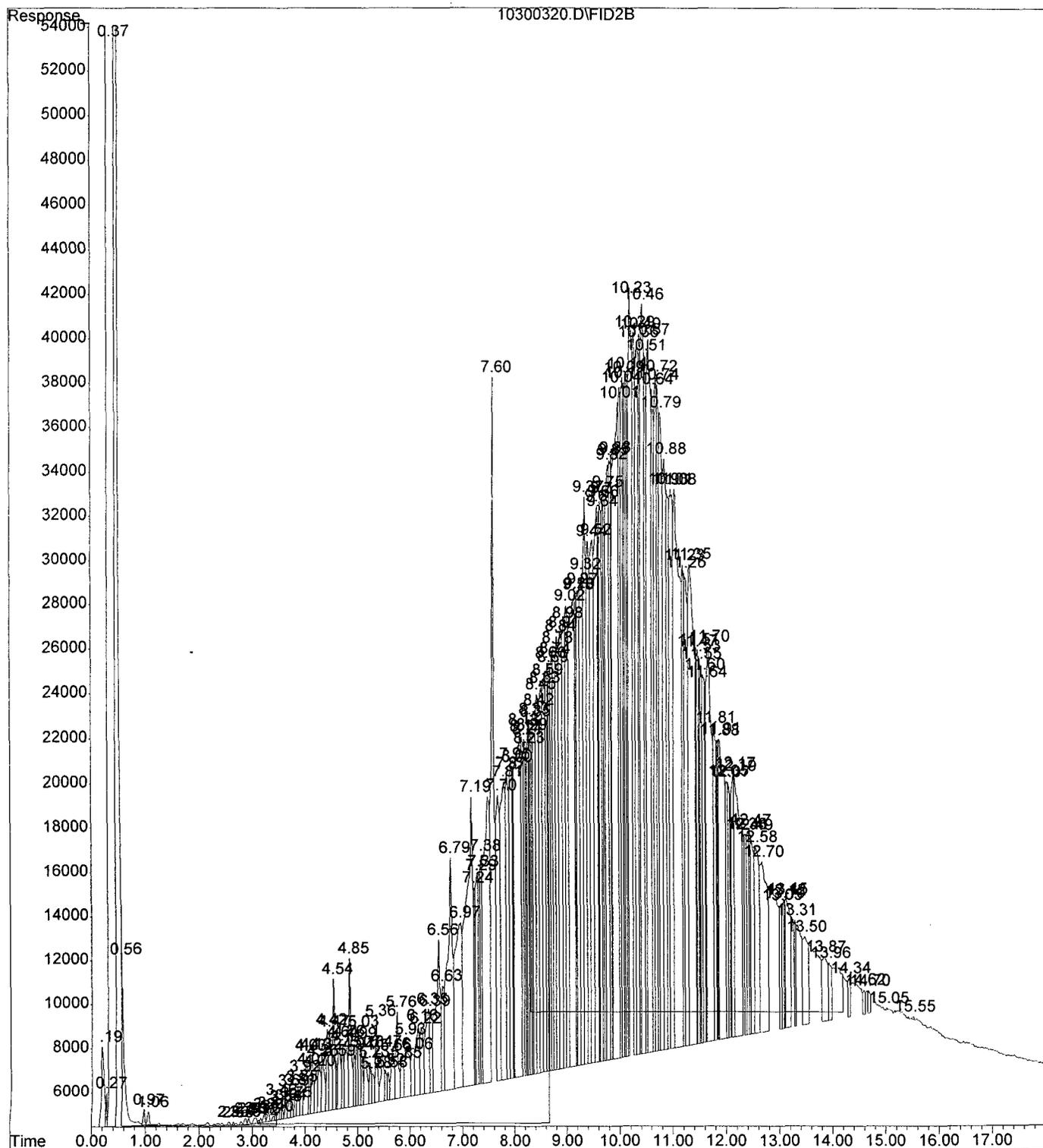
File : C:\HPCHEM\2\DATA\102903F\10290326.D
 Operator : VPH
 Acquired : 29 Oct 2003 20:59 using AcqMethod TPH1027.M
 Instrument : FID-1
 Sample Name: 310136-17
 Misc Info : 10G/10ML 10/28
 Vial Number: 22



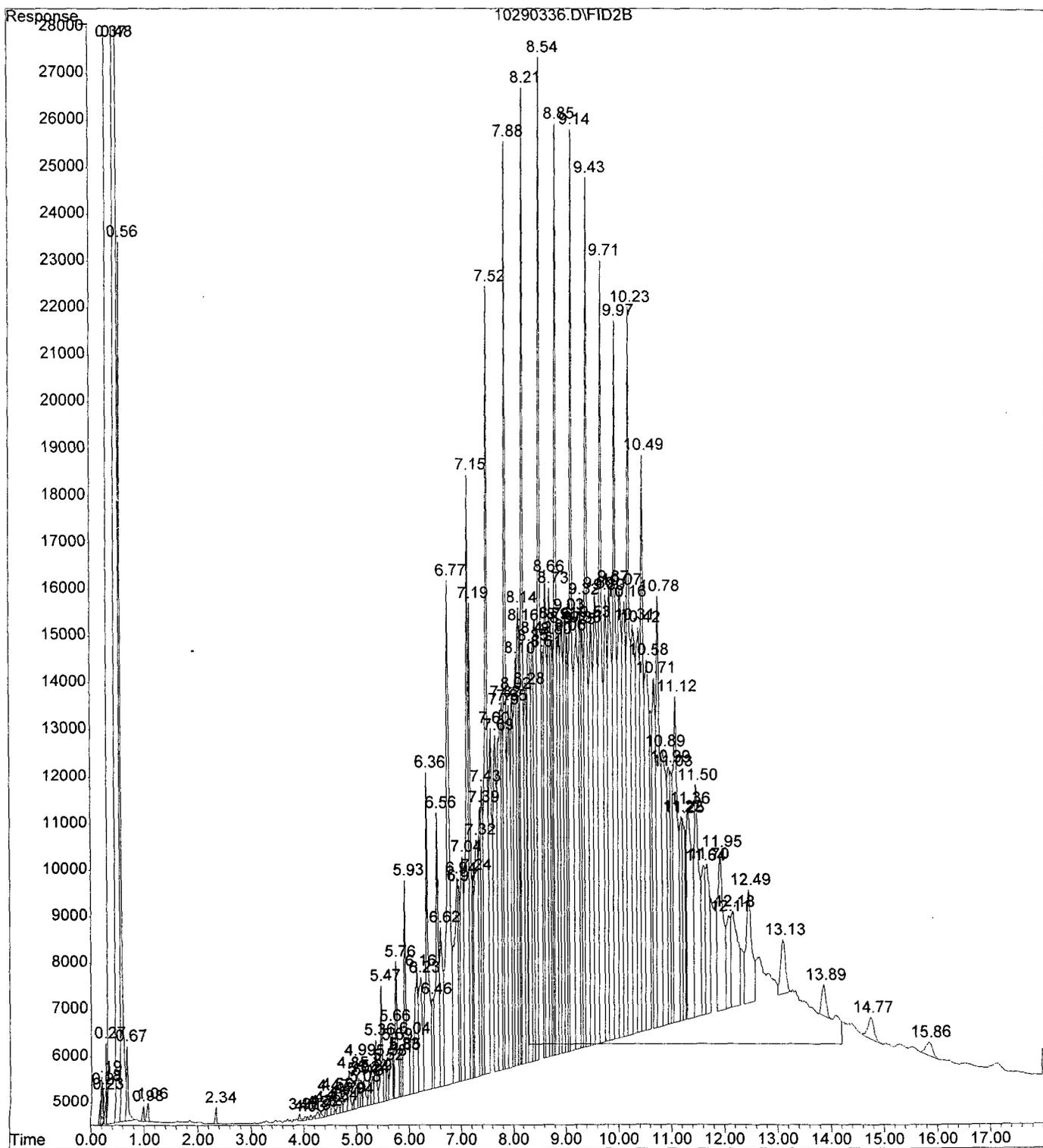
File : C:\HPCHEM\2\DATA\102903F\10290330.D
 Operator : VPH
 Acquired : 29 Oct 2003 22:52 using AcqMethod TPH1027.M
 Instrument : FID-1
 Sample Name: 310136-18
 Misc Info : 10G/10ML 10/28
 Vial Number: 26



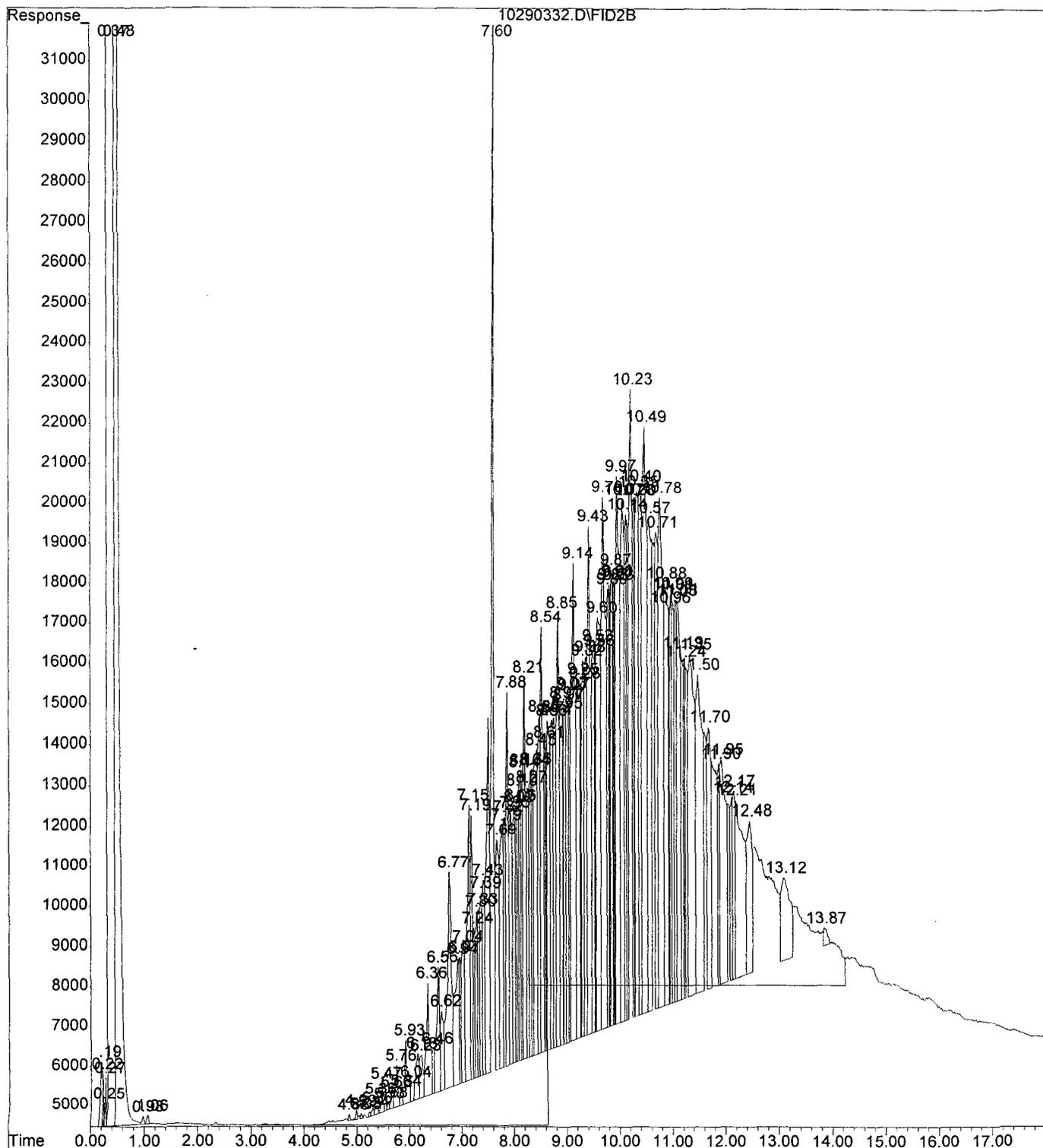
File : C:\HPCHEM\2\DATA\103003F\10300320.D
 Operator : VPH
 Acquired : 30 Oct 2003 17:33 using AcqMethod TPH1027.M
 Instrument : FID-1
 Sample Name: 310136-19
 Misc Info : 10G/10ML 10/28
 Vial Number: 14



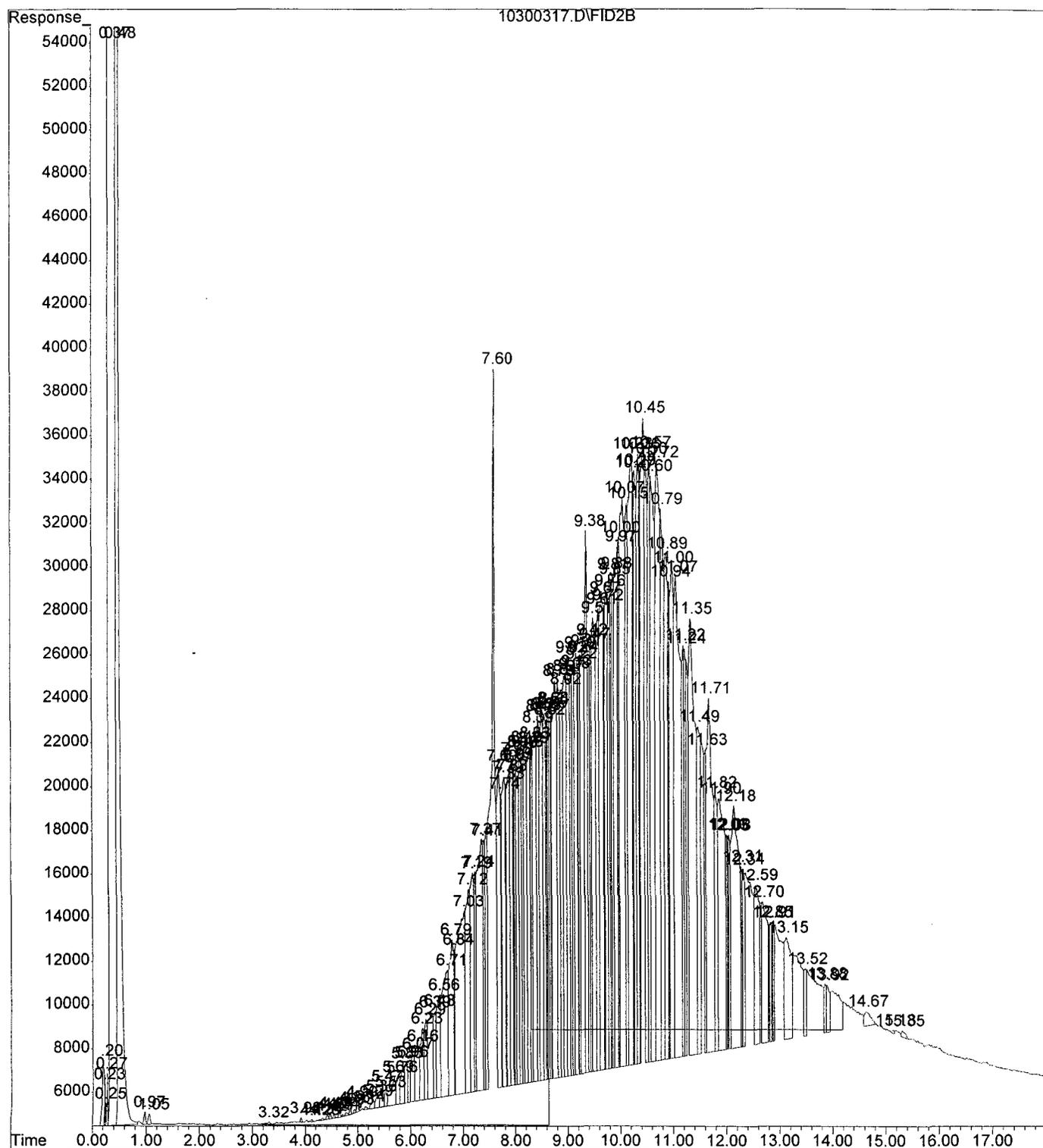
File : C:\HPCHEM\2\DATA\102903F\10290336.D
Operator : VPH
Acquired : 30 Oct 2003 1:40 using AcqMethod TPH1027.M
Instrument : FID-1
Sample Name: 310136-20 10X
Misc Info : 10G/10ML 10/28 100UL/1ML
Vial Number: 31



File : C:\HPCHEM\2\DATA\102903F\10290332.D
 Operator : VPH
 Acquired : 29 Oct 2003 23:48 using AcqMethod TPH1027.M
 Instrument : FID-1
 Sample Name: 310136-21
 Misc Info : 10G/10ML 10/28
 Vial Number: 28



File : C:\HPCHEM\2\DATA\103003F\10300317.D
 Operator : VPH
 Acquired : 30 Oct 2003 16:09 using AcqMethod TPH1027.M
 Instrument : FID-1
 Sample Name: 310136-22
 Misc Info : 10G/10ML 10/28
 Vial Number: 13





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

December 30, 2003

Mr. Pat Wise
City Manager
City of Lovington
P.O. Box 1269
Lovington, NM 88260

**RE: Araho, Inc. Former Injection Well Disposal Facility –
Phase I Investigation and Remediation Final Report.**

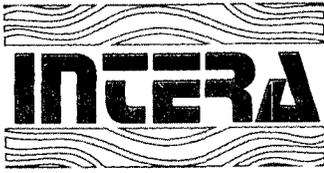
Dear Mr. Wise:

The New Mexico Oil Conservation Division (OCD) has completed the Phase I investigation and remediation of the Araho, Inc. former injection well disposal facility. Enclosed please find a copy of the final report for Phase I. If you should have any questions regarding this report please give me a call at 505-476-3488.

Sincerely,

Martyne J. Kieling
Environmental Geologist

cc: File GW-037



Intera Incorporated
One Park Square, Suite 820
6501 Americas Parkway NE
Albuquerque, NM 87110
Telephone: 505 246 1600
Fax: 505 246 2600

November 11, 2003

Ms. Martyne J. Kieling
Environmental Geologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

- **RE: Invoice No. 11-03-39**

Ms. Kieling:

INTERA Inc. (INTERA) appreciates the opportunity to work with the New Mexico Oil Conservation Division. Enclosed you will find INTERA Invoice No. 11-03-39, submitted to you for the work conducted through the end of October 2003 at the Araho, Inc. Facility in Lovington, New Mexico. The costs on the enclosed invoice reflect those charges associated with the project management, NORM survey, and field work portion of the project (Tasks 1, 2, and 3).

A final report is currently being prepared by INTERA for your review (Task 4). If you have any questions regarding the enclosed invoice, please do not hesitate to contact me at (505) 246-1600 ext. 219. Thank you very much.

Sincerely,
INTERA Inc.

A handwritten signature in black ink, appearing to read "J. Tracy".

Joseph Tracy, PG
Project Manager

Enclosure: Invoice No. 11-03-39 with back-up



Intera Incorporated
 9111A Research Boulevard
 Austin, Texas 78758
 Telephone: 512 425 2000
 Fax: 512 425 2099

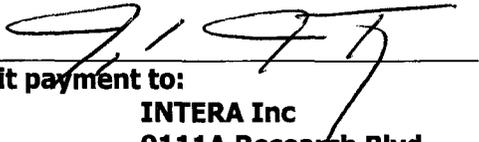
New Mexico Oil Conservation Division
 Attn: Martyne Kieling
 1220 South Saint Francis Drive
 Santa Fe, NM 87505

November 3, 2003
 Invoice No 11-03-39
 PROJECT NO: NMO-ARA

To Invoice for services rendered.
 RE: Phase I Surface Investigation and Clean-up at ARAHO, Inc
 Contract#308050918056
 PO#03-199-000799
 Billing Period: 6-1-2003/10-31-2003
 Project Manager: Joseph Tracy

Professional Services

Total Task 1	\$3,722.00	
Total Task 2	\$ 2,604.00	
Total Task 3	\$ 92,983.40	
Total Charges-detail attached		\$99,309.40
NMGRT 5.8125%		5,772.36
Total Invoice		<u>\$105,081.76</u>

Approved by: 

Please remit payment to:

INTERA Inc
9111A Research Blvd.
Austin, TX 78758

Approved For payment
\$ 100,400.35
Martyne Kieling
12-23-03

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Invoice Detail
November 3, 2003

Task 1. Project Coordination and Fieldwork Preparation

Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	3	\$ 300.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Project Scientist/Engineer/Manager	0003	67.00	hour	38	\$ 2,546.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 3,722.00
SUBTOTAL TASK 1: \$ 3,722.00					
NMGRT @ 5.8125% \$ 216.34					
GRAND TOTAL TASK 1: \$ 3,938.34					
Task 2. Map Buried Utilities (1-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	0	\$ -
Subtotal Professional Labor					\$ 1,304.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2: \$ 2,604.00					
NMGRT @ 5.8125% \$ 151.36					
GRAND TOTAL TASK 2: \$ 2,755.36					

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Invoice Detail
November 3, 2003

Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching						
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total	
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$	536.00
Staff Scientist/Engineer	0004	52.00	hour	11	\$	572.00
Field Technician II - Fieldwork - INTERA Rep	0005	50.00	hour	90	\$	4,500.00
Field Technician II - Fieldwork - INTERA Rep	0005	50.00	hour	13.5	\$	675.00
Field Technician II - Foreman	0005	50.00	hour	60	\$	3,000.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	60	\$	2,100.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	10	\$	350.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	60	\$	1,500.00
Field Technician I - Laborer	0006	20.00	hour	120	\$	2,400.00
Field Technician I - Laborer	0006	20.00	hour	112	\$	2,240.00
Hourly Secretary	0010	30.00	hour	0	\$	-
Subtotal Professional Labor					\$	17,873.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total	
Mobilization of Equipment	0047	1.75	mile	629	\$	1,100.75
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	3,565	\$	38,502.00
Vacuum/Jet Truck	"At Cost"	750.00	day	6	\$	4,500.00
Vacuum/Jet Truck (additional costs to be determined)	"At Cost"	750.00	day	0	\$	-
Hot Oil Truck	"At Cost"	92.50	hour	26.5	\$	2,451.25
Trackhoe Heavy Duty	0030	646.00	day	6	\$	3,876.00
Trackhoe Heavy Duty	0030	646.00	day	1	\$	646.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$	1,170.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	1	\$	195.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	12	\$	480.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	1	\$	40.00
Disposal of Miscellaneous Trash	0026	141.30	day	6	\$	847.80
Backhoe Medium Duty	"At Cost"	300.00	each	2	\$	600.00
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	200.00	each	1	\$	200.00
Mixing of Dry On-Site Material	"At Cost"	4.00	yard	200	\$	800.00
Clean Sand	"At Cost"	31.15	yard	443	\$	13,799.45
Land-Farm of Solid Waste at Rhino's OCD Permitted Facility	0045	31.15	yard	443	\$	13,799.45

State of New Mexico
Oil Conservation and Remediation
Phase I Investigation and Remediation
Araho, Inc.
Invoice Detail
November 3, 2003

Fresh Water Transport and Use	"At Cost"	3,422.15	project	1	\$	3,422.15
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$	300.00
Fresh Air/Safety Trailer/Personal Air Samplers	"At Cost"	300.00	day	5	\$	1,500.00
Hand-Held GPS Unit	"At Cost"	5.00	day	6	\$	30.00
Photoionization Detector (PID)	0021	10.00	day	6	\$	60.00
Mileage	0042	0.25	mile	800	\$	200.00
Per Diem	0043	65.00	day	6	\$	390.00
Subtotal Expenses	0043	65.00	day	1	\$	65.00
SUBTOTAL TASK 3:					\$	75,110.40
NMGRT @ 5.8125%					\$	5,404.66
GRAND TOTAL TASK 3:					\$	98,388.06
PROJECT GRAND TOTAL:					\$	105,081.76

Notes:

NMGRT = New Mexico Gross Receipts Tax

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation

Araho, Inc.
Invoice Detail
November 3, 2003

Receipts

Task 1. Project Coordination and Fieldwork Preparation

Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	3	\$ 300.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Project Scientist/Engineer/Manager	0003	67.00	hour	38	\$ 2,546.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 3,722.00

SUBTOTAL TASK 1: \$ 3,722.00
 NMGRT @ 5.8125% \$ 216.34
 GRAND TOTAL TASK 1: \$ 3,938.34

Task 2. Map Buried Utilities (1-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey

Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	0	\$ -
Subtotal Professional Labor					\$ 1,304.00

Expenses
 NORM Survey "At Cost" 1,300.00 each 1 \$ 1,300.00
 Subtotal Expenses \$ 1,300.00

SUBTOTAL TASK 2: \$ 2,604.00
 NMGRT @ 5.8125% \$ 151.36
 GRAND TOTAL TASK 2: \$ 2,755.36

390.75

Invoked ✓

RHINO ENVIRONMENTAL
SERVICES INC.
 P.O.BOX 57180
 ALBUQUERQUE, NM 87187-7180

Invoice

Customer No.: INTERA INC.
 Invoice No.: 6295

Bill To: **INTERA INC- JOE TRACY**
 SUITE 820
 6501 AMERICAS PARKWAY NE
 ALBUQUERQUE, NM 87110

Ship To: **ARAO INC.**
 INJECTION WELL DISPOSAL
 FACILITY, LEA COUNTY, NM.

Date	Ship Via	F.O.B.	Terms		
10/31/03			Net 30		
Purchase Order Number	Order Date	Sales Person	Our Order Number		
	10/31/03		6328		
Quantity		Item Number	Description	Unit Price	Amount
Required	Shipped				

		0047	MOBILIZATION/DEMOBILIZATION		1100.00 ✓
565.000		0044	DISPOSAL OF LIQUID 3,565 GALLONS AT \$10.80/GAL	10.80	38502.00 ✓
60.000		" AT COST "	VACUUM/JET TRUCK ✓ 60 HOURS AT \$75.00/HOUR	75.00	4500.00 ✓
6.000		0030	TRACKHOE/TANK DEMOLITIONS 6 DAYS AT \$646.00/DAY	646.00	3876.00 ✓
6.000		0006	TRACKHOE/OPERATOR- \$35.00/HOUR OR \$350.00 PER DAY- (6 DAYS/10 HOURS EACH)	350.00	2100.00 ✓
5.000		" AT COST "	FRESH AIR/SAFETY TRAILER AND GAS MONITOR-5 DAYS AT \$300.00 PER DAY	300.00	1500.00 ✓
6.000		0005	HEALTH AND SAFETY OFFICER/ FOREMAN-\$50.00/HR-(6 DAYS/10 HR DAYS) \$500.00 PER DAY	500.00	3000.00 ✓
6.000		0006	LABOR- 2 LABORERS FOR 6 DAYS AT \$20.00/HR OR \$400.00/DAY- 10 HOUR DAYS	400.00	2400.00 ✓
6.000		0026	BACKHOE AND LOADER 6 DAYS AT \$141.30 PER DAY	141.3000	847.80 ✓
6.000		0006	BACKHOE OPERATOR 6 DAYS AT \$250.00 PER DAY	250.00	1500.00 ✓
11.000		" AT COST "	GARBAGE/TRANSPORTATION DISPOSAL-48 CUBIC YARDS OR 11 TONS AT \$40.00/TON	40.00	440.00 ✓
6.000		" AT COST "	DISPOSAL OF SCRAP METALS- INCLUDES TANKS-AND PIPING 6 LOADS AT \$195.00/LOAD	195.00	1170.00 ✓
1.000		" AT COST "	DELIVERY OF (2) 20 CUBIC YARD ROLL-OFFS	600.00	600.00 ✓
200.000		" AT COST "	CLEAN SAND-200 CUBIC YARDS AT \$4.00 CUBIC YARD	4.00	800.00 ✓

Thank You

Kieling, Martyne

From: David Boyer [dgboyer@sesi-nm.com]

Sent: Friday, October 31, 2003 7:26 AM

To: mkieling@state.nm.us

Subject: Arahoe Pit

Martyne,

Checked our files for that project and found that two boreholes were completed as temporary monitor wells, one on the northwest corner and one on the southeast corner. W-1 on the NW corner had a TD of 83 ft. with the top of water at 74 ft. W-2 on the SE corner had a TD of 80 ft. also with the top of water at 74 ft. There was no log with this information, although notes indicated a bentonite and grout seal was placed following sampling of the ground water. Bob was in the area yesterday at the time we talked and went by the site; he confirms that there are no current monitor wells at the site.

I will be in the area this morning myself; let me know if you need any other info.

Dave Boyer



Before surface cleanup.



After surface cleanup, Pit Remains in upper left of photo.

ARAO INC. Sec 1, T 17 S Range 36 E NMPM, Lea County, NM



Air Photo



Lined pit



Before surface cleanup.



After surface cleanup, Pit Remains in upper left of photo.

ARAHO INC. Sec 1, T 17 S Range 36 E NMPM, Lea County, NM



Air Photo



Lined pit

RHINO ENVIRONMENTAL
 SERVICES INC.
 P.O. BOX 57180
 ALBUQUERQUE, NM 87187-7180

Invoice

Customer No.: INTERA INC.
 Invoice No.: 6295

Bill To: **INTERA INC- JOE TRACY**
 SUITE 820
 6501 AMERICAS PARKWAY NE
 ALBUQUERQUE, NM 87110

Ship To: **ARAHO INC.**
 INJECTION WELL DISPOSAL
 FACILITY, LEA COUNTY, NM.

Date	Ship Via	F.O.B.	Terms	
10/31/03			Net 30	
Purchase Order Number	Order Date	Sales Person	Our Order Number	
	10/31/03		6328	
Quantity	Item Number	Description	Unit Price	Amount
Required	Shipped	B.O.		

443.000	0045	DISPOSAL OF WASTE MATERIAL- SAND MIXTURE ESTIMATES 443 CUYDS AT \$31.15/CUYD TOTAL: \$76,135.25	31.15	13799.45 ✓
---------	------	--	-------	------------

CHANGE ORDER ITEMS

	"At Cost"	LOADER ON SITE GATHERING AND MIXING DRY ON SITE MATERIAL		200.00 ✓
	"At Cost"	VACUUM/JET TRUCK COST TO BE DETERMINED		
	0030	TRACKHOE/TANK DEMOLITIONS 1 DAY AT \$646.00 PER DAY		646.00 ✓
	0006	TRACKHOE/OPERATOR- \$35.00/HR. BASED ON 10 HOUR DAYS OR \$350.00 PER DAY		350.00 ✓
112.000	0006	LABOR- 112 HOURS AT \$20.00 PER HOUR	20.00	2240.00 ✓
	"At Cost"	DISPOSAL OF SCRAP METALS (INCLUDES TANKS) AND PIPING 1 LOAD AT \$195.00 PER LOAD		195.00 ✓
26.500	"At Cost"	HOT OIL TRUCK- 26.5 HOURS AT \$92.50 PER HOUR	92.50	2451.25 ✓
	"At Cost"	TRANSPORT/OPERATOR BRINE AND FRESH WATER CRANE- NO CHARGE 4 CUYD LOADER- NO CHARGE SKY LIFT- NO CHARGE TANK TRANSPORT- NO CHARGE		3422.15 ✓
		TOTAL CHANGE ORDERS- \$9,504.40		

Thank You

RHINO ENVIRONMENTAL
SERVICES INC.
 P.O. BOX 57180
 ALBUQUERQUE, NM 87187-7180

Invoice

Customer No.: INTERA INC.
 Invoice No.: 6295

Bill To: **INTERA INC- JOE TRACY**
 SUITE 820
 6501 AMERICAS PARKWAY NE
 ALBUQUERQUE, NM 87110

Ship To: **ARAO INC.**
 INJECTION WELL DISPOSAL
 FACILITY, LEA COUNTY, NM.

Date		Ship Via		F.O.B.		Terms		
10/31/03						Net 30		
Purchase Order Number			Order Date		Sales Person		Our Order Number	
			10/31/03				6328	
Quantity			Item Number		Description		Unit Price	Amount
Required	Shipped	B.O.						

Invoice subtotal 85639.65

Invoice total 85639.65

Thank You

STATE OF NEW MEXICO
ENERGY MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

Telephone Personal Time 1:30 Date 10-1-03
7:55 10/2/03 called back
3:00

Originating Party Other Parties
Wimford Fine Maryn Kieling
Cell SDS - 370 - 2930 Received voice mail
Home SDS - 675 - 2488 message

Subject Refund by Pat wise City of Lovington
City Manager

Discussion Calf got into Araho Pit and Died last week
either under the Arm across the cattle Guard or along the
Fence 20' Feet to the East.
Calf was covered in oil could not get clean and
Died of Heat Exhaustion.

Conclusions or Agreements Will Call Back on Tue 10-7-03
OLD NOT Responsible For Payment of Calf.
Not sure who is either the company owner or
The Surface owner.

Distribution

Signed Maryn Kieling

Kieling, Martyne

From: Johnson, Larry
Sent: Tuesday, September 30, 2003 9:45 AM
To: Kieling, Martyne
Subject: Araho

Looked over the site yesterday - found some tracks in the paraffin in the small pit on east side - these are imbedded and there is no way to know how old they are - found no tracks leading up to the pit - actually searched the entire location for tracks of ANY kind and found none. The fence is in good shape except for a 15' to 20' span on the south side - even there it seems a calf would have difficulty getting through - when did the event allegedly occur?



DCP_1168.JPG



DCP_1169.JPG



DCP_1170.JPG



DCP_1171.JPG



DCP_1172.JPG



DCP_1173.JPG



DCP_1174.JPG



DCP_1175.JPG



DCP_1176.JPG



DCP_1179.JPG



DCP_1180.JPG



DCP_1181.JPG



DCP_1182.JPG



DCP_1183.JPG



DCP_1184.JPG



DCP_1186.JPG



DCP_1188.JPG







01/04/2001

STATE OF NEW MEXICO
ENERGY MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

Telephone Personal Time ~~1:55~~ 2:55 p.m. Date 9-25-03

Originating Party Pat Wise 396-2884
City of Lovington
City Manager
Other Parties Martyr Kielig
OCD

Subject Arabo Pit
Rancher lost calf in pit
Wimford Fine
Box 42 Elida NM 88116
(No Phone #)

Discussion City took pictures they will forward on to us.

Conclusions or Agreements

Distribution Signed 



TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505
(505) 476-3440
(505)476-3462 (Fax)

PLEASE DELIVER THIS FAX:

TO: Diamond Back Disposal Linsey Dyer 505392-9376

FROM: Marlynn Kieling

DATE: 10-28-03

PAGES: 1 of 2

SUBJECT: Certificate of Waste Status

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL THE OFFICE NUMBER ABOVE.

DIAMONDBACK DISPOSAL & SERVICES, INC.
PO BOX 2491
HOBBS, NM 88241
PH: (505) 392-9996
FAX: (505) 392-9376

FAX

TO: Martynne Keeling **FROM:** Linsey Dyer

COMPANY: _____ **DATE:** 10-27-03

PHONE: 505-476-3488 **CC:** _____

FAX: 505-476-3462 **NUMBER OF PAGES:** _____
 (Including this page)

DESCRIPTION:

CERTIFICATE OF WASTE STATUS

1. Generator (Name) Address: New Mexico Oil Conservation Division 1220 South Saint Frances Dr. Santa Fe, NM 87505	3. Location (Street Address &/or ULSTR) 1220 South
2. Originating Site (Name): Arako facility SWD NE/4 SE/4, Sec 1, T 17 S, R 36 E	4. Destination Name: CRI Facility

5. Source and Description of Waste: Below grade pipe and Assorted trash From Pipe and tank removal

I, Martynne Kieliny representative for
Oil Conservation Division do hereby certify
 that according to the Resource Conservation and Recovery Act (RCRA) and
 Environmental Protection Agency's July, 1988 regulatory determination, the above
 described waste is: (Check appropriate classification)

EXEMPT oilfield waste

NON-EXEMPT oilfield waste which
 is non-hazardous by characteristic analysis
 or by production identification.

For Non-exempt waste only the following documentation is attached:
 (check appropriate item)

- MSDS Information
- RCRA TCLP Analysis
- Chain of Custody
- Other (Description)

Name: (Signature) Martynne J Kieliny

Printed Name: Martynne Kieliny

Title: Environmental Geologist

Date: 10-28-03

Attach list of originating sites as appropriate.

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Revised Cost Estimate
Revision III
August 11, 2003

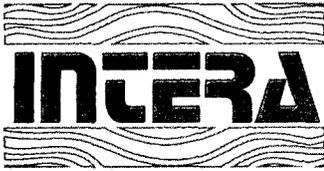
FASKIN
915-683-1893

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	4	\$ 400.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,276.00
SUBTOTAL TASK 1:					\$ 1,276.00
NMGRT @ 5.8125%					\$ 74.17
GRAND TOTAL TASK 1:					\$ 1,350.17
Task 2. Map Buried Utilities (1-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,704.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2:					\$ 3,004.00
NMGRT @ 5.8125%					\$ 174.61
GRAND TOTAL TASK 2:					\$ 3,178.61
Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$ 536.00
Staff Scientist/Engineer	0004	52.00	hour	12	\$ 624.00
Field Technician II - Fieldwork*	0005	50.00	hour	90	\$ 4,500.00
Field Technician II - Foreman	0005	50.00	hour	60	\$ 3,000.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	60	\$ 2,100.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	60	\$ 1,500.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Hourly Secretary	0010	30.00	hour	4	\$ 120.00
Subtotal Professional Labor					\$ 14,780.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
Mobilization of Equipment	0047	1.75	mile	630	\$ 1,102.50
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	2,600	\$ 28,080.00
Disposal of Contaminated Fluids (Cleaning Water)	0044	10.80	barrel	1,000	\$ 10,800.00
Vacuum/Jet Truck	"At Cost"	750.00	day	6	\$ 4,500.00
Trackhoe Heavy Duty	0030	646.00	day	6	\$ 3,876.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$ 1,170.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	12	\$ 480.00
Backhoe Medium Duty	0026	157.00	day	6	\$ 942.00
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$ 600.00
Clean Sand	"At Cost"	4.00	yard	250	\$ 1,000.00
Land-Farm of Solid Waste at Rhino's OCD Permitted Facility	0045	31.15	yard	470	\$ 14,640.50
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$ 300.00
Fresh Air/Safety Trailer/Personal Air Samplers	"At Cost"	300.00	day	6	\$ 1,800.00
Hand-Held GPS Unit	"At Cost"	5.00	day	3	\$ 15.00
Photoionization Detector (PID)	0021	10.00	day	6	\$ 60.00
Mileage	0042	0.25	mile	800	\$ 200.00
Per Diem	0043	65.00	day	8	\$ 520.00
Subtotal Expenses					\$ 70,086.00
SUBTOTAL TASK 3:					\$ 84,866.00
NMGRT @ 5.8125%					\$ 4,932.84
GRAND TOTAL TASK 3:					\$ 89,798.84
Task 4. Preparation of an Final Report					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$ 2,080.00
Field Technician II	0005	50.00	hour	24	\$ 1,200.00
Draftsperson II (Figures, Cross Sections)	0007	50.00	hour	16	\$ 800.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$ 240.00
Subtotal Professional Labor					\$ 6,728.00
SUBTOTAL TASK 4:					\$ 6,728.00
NMGRT @ 5.8125%					\$ 391.07
GRAND TOTAL TASK 4:					\$ 7,119.07
PROJECT GRAND TOTAL:					\$ 101,446.69

Notes:

NMGRT = New Mexico Gross Receipts Tax

* The labor rate shown for "Field Technician II - Fieldwork" is provided on the assumption that a maximum of 90 hours of INTERA fieldwork and project management time will be required to complete the tank and piping removal and disposal portion of the project (subcontractor fieldwork time 60 hours total). This time estimate also includes sample trenching and sample collection; however, sample analytical costs are not included in this cost estimate. All INTERA costs will be invoiced on a time and materials basis; therefore a reduction of time or materials taken to complete the project results in a reduction of the final costs of the project.



Intera Incorporated
One Park Square, Suite 820
6501 Americas Parkway NE
Albuquerque, NM 87110
Telephone: 505 246 1600
Fax: 505 246 2600

RECEIVED

APR 29 2003
Environmental Bureau
Oil Conservation Division

April 29, 2003

Ms. Martyne J. Kieling
Environmental Geologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

RE: Transmittal of Proposal:

- **Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico**

Ms. Kieling:

INTERA Inc. (INTERA) appreciates the opportunity to provide you with the enclosed proposal. The proposal has been prepared for the investigation and remediation of the Araho, Inc. former injection well disposal facility located in Lea County, New Mexico. We have based our proposal on the scope of work that you provided. Attached to this letter are two copies of our proposal which include a scope of work describing how INTERA will complete the project, a cost estimate, and a photo log. All costs will be invoiced on a time and materials basis, a reduction in time and/or materials taken to complete the project result in a reduction in the final cost to complete the project.

INTERA will perform the proposed work under the terms of the contract between INTERA and the State of New Mexico General Services Department, Contract No. 30-805-09-18056.

Again, we thank you for the opportunity to bid on this project and hope that you will consider INTERA for future projects where the services of a responsive and quality consulting firm are needed. If you have any questions regarding the attached proposal, please do not hesitate to contact us at (505) 246-1600.

Regards,
INTERA Inc.

Joseph Tracy, PG
Project Manager

Ms. Stacy Sabol
Sector Manager

Enclosures:

- Scope of Work, Cost Proposal, and Photo Log – Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico

Joe Tracy.

AMEC 2500	RESPEC 2500	INTERA 2500
\$50,628.50 \$2,658 \$58,286.50 did not use line items for track hoe and backhoe \$9 disposal cost NORM survey cost not listed	\$57,405.00 \$3,336.6656 \$60,741.67 trucking water truck steam cleaner into disposal \$13 disposal cost NORM \$1400 \$100 70 tons \$100 20 tons 90	\$57,098.54 \$6.55 disposal cost NORM \$1300 Scrap metal / \$40 Trash \$35 Transport. 1950 60 Ton

Distance of \$3643.13

12 Ton \$60
 18 Ton \$55
 60 Ton

\$23 Ton Lea Lead Charge

1 P.O. For \$ 7,200.⁰⁰
 1 P.O. For \$ 3,900.⁰⁰
\$ 11,100

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Cost Estimate

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	2	\$ 200.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,076.00
SUBTOTAL TASK 1:					\$ 1,076.00
NMGRT @ 5.8125%					\$ 62.54
GRAND TOTAL TASK 1:					\$ 1,138.54
Task 2. Map Buried Utilities (1-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,704.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2:					\$ 3,004.00
NMGRT @ 5.8125%					\$ 174.61
GRAND TOTAL TASK 2:					\$ 3,178.61
Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Project Scientist/Engineer/Manager	0003	67.00	hour	6	\$ 402.00
Staff Scientist/Engineer	0004	52.00	hour	8	\$ 416.00
Field Technician II - Fieldwork*	0005	50.00	hour	54	\$ 2,700.00
Field Technician II - Foreman	0005	50.00	hour	54	\$ 2,700.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	54	\$ 1,890.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	54	\$ 1,350.00
Field Technician I - Laborer	0006	20.00	hour	54	\$ 1,080.00
Field Technician I - Laborer	0006	20.00	hour	54	\$ 1,080.00
Hourly Secretary	0010	30.00	hour	4	\$ 120.00
Subtotal Professional Labor					\$ 11,738.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
Disposal of Contaminated Fluids (Product)	0044	6.55	barrel	2,500	\$ 16,375.00
Disposal of Contaminated Fluids (Cleaning Water)	0044	7.85	barrel	360	\$ 2,826.00
Vacuum/Jet Truck	"At Cost"	750.00	day	4	\$ 3,000.00
Trackhoe Heavy Duty	0030	646.00	day	5	\$ 3,230.00
Disposal of Scrap Metals (Tanks) and Piping	"At Cost"	40.00	ton	12	\$ 480.00
Disposal of Miscellaneous Trash	"At Cost"	35.00	ton	48	\$ 1,680.00
Transportation of Materials (Scrap Metals, Piping, Trash) for Disposal	"At Cost"	19.50	ton	60	\$ 1,170.00
Backhoe Medium Duty	0026	157.00	day	5	\$ 785.00
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	5	\$ 250.00
Fresh Air/Safety Trailer/Personal Air Samplers	"At Cost"	300.00	day	3	\$ 900.00
Hand-Held GPS Unit	"At Cost"	5.00	day	3	\$ 15.00
Photoionization Detector (PID)	0021	10.00	day	5	\$ 50.00
Mileage	0042	0.25	mile	800	\$ 200.00
Per Diem	0043	65.00	day	7	\$ 455.00
Subtotal Expenses					\$ 31,416.00
SUBTOTAL TASK 3:					\$ 43,154.00
NMGRT @ 5.8125%					\$ 2,508.33
GRAND TOTAL TASK 3:					\$ 45,662.33
Task 4. Preparation of a Final Report					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$ 2,080.00
Field Technician II	0005	50.00	hour	24	\$ 1,200.00
Draftsperson II (Figures, Cross Sections)	0007	50.00	hour	16	\$ 800.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$ 240.00
Subtotal Professional Labor					\$ 6,728.00
SUBTOTAL TASK 4:					\$ 6,728.00
NMGRT @ 5.8125%					\$ 391.07
GRAND TOTAL TASK 4:					\$ 7,119.07
PROJECT GRAND TOTAL:					\$ 57,098.54

Notes:

NMGRT = New Mexico Gross Receipts Tax

* The labor rate shown for "Field Technician II - Fieldwork" is provided on the assumption that a maximum of 50 hours of fieldwork will be required to complete the tank and piping removal and disposal portion of the project. This time estimate also includes sample trenching and sample collection, however, sample analytical costs are not included in this cost estimate. All INTERA costs will be invoiced on a time and materials basis; therefore a reduction of time or materials taken to complete the project results in a reduction of the final costs of the project.

**PRICE ESTIMATION - FINAL
Araho, Inc. - OCD Proposal**

Vendor No. 5187719
PA Number: 308050918056

RESPEC Inc.
Commodity Code:

LN	QTY	RATE	UNIT	COST	DESCRIPTION
*0001	6	\$75.00	Hour	\$450.00	Principal
*0002	18	\$70.00	Hour	\$1,260.00	Senior Scientist
*0003	28	\$63.00	Hour	\$1,764.00	Project Manager/Certified Scientist
*0004	40	\$50.00	Hour	\$2,000.00	Staff Scientist
*0005	80	\$35.00	Hour	\$2,800.00	Field Technician II
*0006		\$30.00	Hour	\$0.00	Field Technician I
*0007	8	\$35.00	Hour	\$280.00	Draftsperson II
*0008		\$25.00	Hour	\$0.00	Draftsperson I
*0009	4	\$32.00	Hour	\$128.00	Administrator
*0010		\$30.00	Hour	\$0.00	Secretary
*0011		\$20.00	Hour	\$0.00	Clerk
*0021	5	\$5.00	Day	\$25.00	PID
*0025		\$120.00	Day	\$0.00	Backhoe 1
*0026	6	\$157.00	Day	\$942.00	Backhoe 2
*0030	3	\$600.00	Day	\$1,800.00	Trackhoe 3
*0042	2300	\$0.32	Mile	\$736.00	Personal Vehicle Mileage
*0043	12	\$65.00	Each	\$780.00	Per Diem/Overnight
*0044	2500	\$13.00	50 gal/bbl	\$32,500.00	Disposal/Recycling of Contaminated Fluids
*0046	18	\$80.00	Hour	\$1,440.00	Site Survey (NORM)
*0052		\$50.00	Day	\$0.00	Water Truck -
*0053	6	\$50.00	Day	\$300.00	Pick up Truck -
*0054		\$80.00	Day	\$0.00	Steam cleaner
	3	\$400.00	day	\$1,200.00	Shear - at cost
	70	\$100.00	ton	\$7,000.00	Tank & Pipe Disposal/Recycling - at cost
	20	\$100.00	ton	\$2,000.00	Trash Disposal - at cost

TOTAL = \$57,405.00 (a) X 5.8125% (NMGRT) \$60,741.67

NOTE: LABORATORY COSTS ARE NOT INCLUDED

RECEIVED

RSI (ALO)-P-2089



An Integrated Consulting and Services Company

APR 29 2003
Environmental Bureau
Oil Conservation Division

4775 Indian School Road NE, Suite 300
Albuquerque, New Mexico 87110-3927
Phone: 505.268.2661 Fax: 505.268.0040

<http://www.respec.com>

April 29, 2003

Martyne J. Kieling
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Work plan for Phase I Investigation and Remediation at the Araho Inc., Former Injection Well Disposal Facility located in Lea County, New Mexico

Dear Ms. Kieling:

RESPEC is pleased to submit the following work plan and cost estimate for the above referenced site. All work for will be conducted in accordance with all pertinent state and federal regulations. A Professional Geologist and NMED Certified Scientist will have direct supervisory control over the project. A minimum of 96 hours advance notice will be given to the Oil Conservation Division (OCD) Project Manager prior to starting work.

RESPEC personnel visited the site on April 14, 2003 in order to assess site conditions, estimate disposal tonnages, and collect paint from the above ground tanks (ASTs) for lead screening.

The scope of work is organized into the following tasks:

- Task 1 – Work plan preparation;
- Task 2 – Health and safety plan preparation;
- Task 3 – Remove and dispose of tank contents;
- Task 4 – Perform NORM survey
- Task 5 – Demolish tanks with shear
- Task 6 – Remove all piping, equipment, tanks, and trash for
Off-site disposal or recycling;
- Task 7 – Investigate extent of contamination beneath tank footprints;
- Task 8 – Investigate extent of chloride contamination in surface soils;
- Task 9 – Prepare and submit Phase I Investigation Report

TASK 1 - WORK PLAN PREPARATION

This task involves the preparation of the work plan, cost estimates, site reconnaissance, interaction with all subcontractors and the OCD Project Manager.

TASK 2 - HEALTH AND SAFETY PLAN PREPARATION

A site-specific health and safety plan (HASP) will be completed before fieldwork commences. The HASP will include, but not be limited to the following: a site information summary, a list of key personnel on-site and their responsibilities, site hazards, emergency information, job hazard assessment, decontamination and disposal, employee training, and emergency procedures.

The New Mexico One Call System will be contacted in order to locate, mark and map all buried pipelines and utilities at the site.

TASK 3 – REMOVE AND DISPOSE OF TANK CONTENTS

A vacuum truck and water truck (if necessary to pump hot water through the tanks) will be used to pump out an estimated 1600 barrels of exempt oil field waste for recycling. The fluids will be recycled at an OCD approved facility.

TASK 4 – PERFORM NORM SURVEY

RESPEC will perform a naturally occurring radioactive materials (NORM) survey of all pipes, tanks and miscellaneous equipment prior to disposal/recycling. This task will be ongoing throughout the demolition and disposal activities at the site. All empty tanks will be inspected and surveyed internally prior to demolition and externally before disposal/recycling. A registered NORM surveyor will perform the survey in accordance to 19.15.9.714 NMAC and 20.3.14 NMAC.

TASK 5 – DEMOLISH TANKS WITH SHEAR

After the fluids have been removed and NORM survey completed, the tanks (all eight as specified in the scope of work) will be cut apart using a track hoe with attached shear. It is estimated that it will take approximately three days to complete this task. It should be noted that all personnel, other than the track hoe operator, will not be permitted on-site during the shearing operation, with an exclusion zone established around the entire site. (details to be included in the site HASP).

TASK 6 – REMOVE ALL PIPING, EQUIPMENT, TANKS AND TRASH FOR OFF-SITE DISPOSAL OR RECYCLING

Pursuant to the scope of work, all trash including: barrels, buckets, batteries, pipes, electrical meters, cut up ASTs, etc. will be removed from the site for either disposal or recycling.

Any testing that is required prior to disposal will be performed on a contingency basis, with all laboratory expenses billed to a separate purchase agreement with the OCD (Trace Analysis or Pinnacle Laboratory). It should also be noted that all piping and other miscellaneous items will be staged for the NORM survey prior to removal from the site.

TASK 7 – INVESTIGATE THE EXTENT OF CONTAMINATION UNDER THE TANK FOOTPRINTS

The horizontal and vertical extent of soil contamination beneath the tank footprints will be determined by trenching with a back hoe. Field personnel will evaluate, describe and record lithology, odor, and all other observations pertinent to the geology of the site and contamination observed under and surrounding the ASTs. Grab samples will be field screened for total ionizable vapor concentrations using a Photo Ionization Detector (PID) unit in a manner consistent with the NMED Soil/Water Sampling and Disposal Guidelines (NMED, 2000). All results will be recorded in a field notebook.

Samples will be collected from each trench (both the sidewall and bottom). The soil samples will be submitted to the laboratory (Trace Analysis or Pinnacle) for analysis by EPA Method 8021 (BTEX), 418.1 (TPH) and 300 (chloride), utilizing extraction techniques consistent with the NMED Soil/Water Sampling and Disposal Guidelines (NMED, 2000). Due to the presence of lead paint on the ASTs, total lead will be quantified in the soil samples by EPA Method 6020. All proper chain-of-custody procedures will be followed.

All open trenches will be backfilled and compacted when the soil sampling has been completed.

TASK 8 – INVESTIGATE THE EXTENT OF CHLORIDE CONTAMINATION IN SURFACE SOILS

In order to assess the extent of chloride contamination in surface soil at the site, a grid will be established at the site, which will result in the collection of 10, six inch composite samples. It is also recommended that one additional sample be collected near the site in order to establish a back ground level for chloride in the immediate vicinity. The samples will be collected from the surface to six inches below surface grade (BSG) with a hand auger and placed in 16 ounce glass jars. The samples will be shipped to the laboratory for analysis by EPA Method 300 (chloride). All proper chain-of-custody procedures will be followed.

TASK 9 – PREPARE AND SUBMIT PHASE I INVESTIGATION REPORT

Following completion of fieldwork, a Phase I Investigation Report will be prepared and submitted to the OCD Project Manager. The report will include, but not be limited to the following:

- A site map showing all buried pipelines and electrical hazards;
- The NORM survey results;
- Volume of material removed from the tanks, manifests, disposal/reclamation company used and the volume of recoverable hydrocarbons retrieved;
- Tank reclamation or scrap iron facility used;
- *Volume/weight of trash removed and the disposal/recycling company used;*
- Tabulation of all analytical data gathered during the investigation;
- A map, or maps, with cross-sections showing the location, depth and concentrations of the remaining soil contamination;
- The Phase II remediation techniques and recommendations pursuant to the scope of work, section 7, parts a, b and c.

ASSUMPTIONS

- Excavation areas will be free of underground utilities;
- Excavated areas will be finished with backfill;
- Access will be during normal working hours;
- Trenching under tanks or overflow will be limited to one trench across the diameter of each tank/overflow to a depth of 2.5 feet, and will be completed in one working day. Additional trenching will be available on a contingency basis;
- All waste at the site is considered exempt oil field waste. If, during the course of the investigation, the waste becomes classified as non-exempt then additional testing (TCLP and RCI to acquire a C-138 Oil Commission Permit) and disposal fees will be required;
- All laboratory fees will be billed under a separate price agreement between the OCD and the laboratories

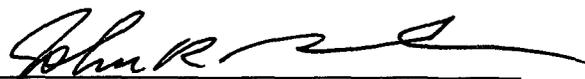
INSURANCE

RESPEC maintains at its own expense the following insurance plans that meet or exceed the services to be performed under the terms of this work plan:

- Workers' compensation insurance-statutory.
- Employer's liability insurance of \$500,000 per occurrence, \$1,000,000 aggregate.
- Comprehensive general liability insurance of \$1,000,000 per occurrence, \$1,000,000 aggregate.

- Vehicle liability insurance of \$500,000 per occurrence (property damage and bodily injury combined).
- RESPEC will provide the owner/operator (O/O), within twenty (20) working days of the contract signing, a certificate of insurance naming the O/O as the certificate holder.

Respectfully submitted by:



John R. Bunch, P.G.
Project Geologist
C.S. No. 194

SCOPE OF WORK

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**PHASE I INVESTIGATION AND REMEDIATION
ARAHO INC.
FORMER INJECTION WELL DISPOSAL FACILITY
LEA COUNTY, NEW MEXICO**

APRIL 3, 2003

I. INTRODUCTION

A. PURPOSE

The State of New Mexico Oil Conservation Division of the Energy, Minerals and Natural Resources Department (OCD) is conducting a Phase I investigation and cleanup at the Araho, Inc. former injection well disposal facility. The New Mexico State Highway and Transportation Department, Site Maintenance & Monitoring, Purchase Agreement 30-805-09-18056 will be used on this job.

B. SUMMARY

The contractor shall perform the work necessary to conduct a Phase I cleanup and investigation to include the removal of the tank fluids, tanks, equipment, pipe and trash; and determine the nature extent of subsurface soil contamination. The Contractor shall also compile volume and cost estimates with regards to the soil contamination and prepare a cost effective Phase II investigation and cleanup proposal that can be implemented at this location. This site is suitable for on site composting. Araho, Inc. is located in the **NE/4 SE/4 of Section 1, Township 17 South, Range 36 East, NMPM, Lea County, New Mexico** (see figure 1, and photos).

C. PROCUREMENT MANAGER

The OCD has designated a Procurement Manager who is responsible for the conduct of this procurement whose name, address and telephone number are listed below.

Martyne J. Kieling
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505
Phone: 505-476-3488
Fax: 505-476-3462
e-mail: mkieling@state.nm.us

All deliveries via express carrier should be addressed as above. Any inquiries or requests regarding this procurement should be submitted to the Procurement Manager in writing. Other state employees do not have the authority to respond on behalf of the Agency.

D. BACK GROUND INFORMATION

Araho Inc. operated from 1974 to 1993 as an injection well disposal facility. The Araho site is located in the NE/4 SE/4 of Section 1, Township 17 South, Range 36 East, NMPM, Lea County, New Mexico. The surface is owned by the city of Lovington. The OCD is in the process of obtaining an access agreement with the city of Lovington in order for contract work to be performed. The facility has a large lined waste holding pit. This pit is not included in the OCD Phase I investigation and cleanup. However, Navajo Refining and their contractor will be managing the cleanup of the pit portion of the facility. The two portions of the project may be occurring at the same time or they may be staggered.

Depth to ground water at the site is estimated to be approximately 80 feet. The local ground water gradient is estimated to be toward the southeast. The OCD recommends that the contract vendors visit the site prior to submitting an estimate. The following table lists the major items located at the site and the estimated volume.

ITEM	SIZE / VOLUME ESTIMATES
Facility Dimensions	293' x 410
Lined Pit 125' x 120' x 4'	Not included in this estimate
Outside Pit Berm 145' x 145' x 4'	Not included in this estimate
3000 bbl tank	1000 bbls of material
210 bbl tank	50 bbls of material
750 bbl tank	250 bbls of material
500 bbl tank	empty
500 bbl tank	100 bbls of material
200 bbl tank open top fiberglass	200 bbls and overflowing
200 bbl tank	empty
750 bbl tank	empty
pipe	1000 feet
55 gal drum	15 drums
Assorted trash	volume not assessed

II. TECHNICAL SPECIFICATIONS

The contractor shall:

1. Perform a One-Call and map the buried pipelines and all electrical hazards on site.
2. Perform a naturally occurring radioactive materials (NORM) survey of all pipes and equipment prior to disposal. A registered NORM surveyor must perform NORM surveys. The Regulations that pertain to NORM are 19.15.9.714 NMAC and 20.3.14 NMAC. The New Mexico Environment Department Radiation Control Bureau can be contacted for additional information regarding registration and licenses.

3. Remove material within the tanks for recycling, estimated to be 1600 bbls. Remove all tanks for recycling or disposal (see photos and table on the preceding page). The material and tanks must be sent to an OCD-approved facility and must be disposed/recycled in accordance with the rules of the OCD.
4. Remove trash at the site to include barrels, buckets, batteries, pipes (buried and surface), electrical meters, and other trash items. Perform any testing that may be necessary prior to disposal. *All samples taken during Phase I of the investigation will be sent to one of the laboratories currently covered by a separate purchase agreement with the OCD (Trace Analysis or Pinnacle).*
5. Investigate nature and extent of contamination below the tank footprints if there is visual evidence that the tank leaked or overflowed.
 - a. Investigate the extent of contamination beneath the tank footprints by trenching with a backhoe. Field photo ionization detector (PID) measurements will be used as a screening tool. Samples will be taken from each trench and will be sent for laboratory TPH, BTEX and chloride analysis. Back fill open trenches when finished.
6. Investigate the extent of chloride contamination in the surface soils at the site. A grid will be marked off on the site and 10, six (6)-inch compost samples will be taken.
7. Provide Estimates on the following Phase II remediation techniques.
 - a. Estimate the volume and cost to remove the contaminated material based on the trenching and sample analysis. Contaminated soil must be sent to an OCD-approved landfarm for reclamation. Estimate the cost for clean fill. Clean fill should be backhauled from the landfarm to help decrease trucking charges.
 - b. Estimate the volume and cost to excavate and construct compost piles on site. The contaminated material should be mixed 4:1 with manure and enough water should be added to keep the piles moist. The piles should be turned every four (4) weeks for at least four (4) turning events. Estimate the cost to backfill and compact the excavations and contour the site with the remediated composted material on site.

- c. Propose any additional remediation techniques that would be cost affective based on the data gathered during Phase I.
8. Prepare and deliver to the OCD a final report that contains:
 - a. A site map showing all buried pipelines and electrical hazards.
 - b. NORM survey results.
 - c. Volume of material removed from the tanks, disposal/reclamation company used and the volume of recoverable hydrocarbons retrieved.
 - d. Tank reclamation or scrap iron facility used.
 - e. Volume/weight of trash removed and the disposal/recycling company used
 - f. Results of all analytical data gathered.
 - g. A map/cross-sections showing the location, depth and concentrations of the remaining soil contamination.
 - h. Phase II remediation techniques/proposals with estimates as outlined in 7 a, b, and c above.

III. SCHEDULE

A. INITIATION OF WORK

The investigation and cleanup shall be scheduled to commence as soon as possible after OCD approval of a contractor and purchase document for the investigation.

B. REPORT SUBMISSION

A report on the investigation and cleanup shall be submitted to the OCD within 60 days of completion of the field sampling activities.

IV. MERGER

This Agreement, and attachments thereto, together with NMSHTD Price Agreement No. 30-805-09-18056, constitutes the entire agreement between the parties hereto and all previous agreements, conditions, promises, inducements and understandings shall be deemed to have merged in this Agreement.

V. ESTIMATE

A. Provide information regarding how you plan to implement the scope of work along with a cost estimate by April 30, 2003. For each item in the estimate, reference the corresponding individual line item from the contract. If there are additional items that do not fall under any line item please list the item as "at cost". Any Items billed at cost must be supported with receipts at time of invoicing. Please note that the New Mexico Gross Receipts Tax is currently 5.25 % for Lea County and for the Lovington Industrial Park. The rates listed in the table below are those listed in the Purchase Agreement 30-805-09-18056 for Vendor 3) Respec, Inc.

LN	QTY	RATE	UNIT	COST	DESCRIPTION
*0001	6	\$75.00	Hour	\$450.00	Principal
*0002	18	\$70.00	Hour	\$1,260.00	Senior Scientist
*0003	20	\$63.00	Hour	\$1,260.00	Project Manager/Certified Scientist
*0004	40	\$50.00	Hour	\$2,000.00	Staff Scientist
*0005	66	\$35.00	Hour	\$2,310.00	Field Technician II
*0006		\$30.00	Hour	\$0.00	Field Technician I
*0007	8	\$35.00	Hour	\$280.00	Draftsperson II
*0008		\$25.00	Hour	\$0.00	Draftsperson I
*0009	4	\$32.00	Hour	\$128.00	Administrator
*0010		\$30.00	Hour	\$0.00	Secretary
*0011		\$20.00	Hour	\$0.00	Clerk
*0021	5	\$5.00	Day	\$25.00	PID
*0025		\$120.00	Day	\$0.00	Backhoe 1
*0026	6	\$157.00	Day	\$942.00	Backhoe 2
*0030	3	\$600.00	Day	\$1,800.00	Trackhoe 3
*0042	2300	\$0.32	Mile	\$736.00	Personal Vehicle Mileage
*0043	12	\$65.00	Each	\$780.00	Per Diem/Overnight
*0044	1600	\$13.00	50 gal/bbl	\$20,800.00	Disposal of Contaminated Fluids
*0046	18	\$80.00	Hour	\$1,440.00	Site Survey (NORM)
*0052		\$50.00	Day	\$0.00	Water Truck -
*0053	6	\$50.00	Day	\$300.00	Pick up Truck -
*0054		\$80.00	Day	\$0.00	Steam cleaner
	3	\$400.00	day	\$1,200.00	Shear - at cost
	70	\$100.00	ton	\$7,000.00	Tank & Pipe Disposal/Recycling - at cost
	20	\$100.00	ton	\$2,000.00	Trash Disposal - at cost

TOTAL = \$44,711.00 (a) X 5.25% (NMGR)

NOTE: LABORATORY COSTS ARE NOT INCLUDED

The New Mexico State Highway and Transportation Department, Site Maintenance & Monitoring, Purchase Agreement 30-805-09-18056 Contract vendor 3) Respec, Inc., 4775 Indian School Rd. NE, Suite 300, Albuquerque, NM 87110, Telephone 1-505-268-2661.

Accepted: RESPEC, INC.

SIGNATURE *John R. [Signature]* TITLE: *Project Geologist* DATE: *4.29.3*

RECEIVED

APR 30 2003

Environmental Bureau
Oil Conservation Division

amec

70

AMEC Proposal No. PF03-0401

April 29, 2003
Ms. Martyne Kieling
New Mexico Oil Conservation Division
1220 S. Saint Frances
Santa Fe, New Mexico 87505

RE: Cost Estimate for the Phase I Investigation and Remediation for the Araho Inc. Former Injection Well Disposal Facility in Lea County, New Mexico

Dear Ms. Kieling:

AMEC (AMEC Earth & Environmental) is pleased to submit this cost estimate for the Phase I Investigation and Remediation for the Araho Inc. Former Injection Well Disposal Facility in Lea County, New Mexico.

AMEC proposes to complete this project in accordance with purchase agreement number 308050918056 between the State of New Mexico and AMEC Earth and Environmental, Inc. This project will also be performed in accordance to the pricing and scope of work presented herein.

SCOPE OF WORK

On April 3, 2003, Ms. Martyne Kieling with the State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division (OCD) requested a cost estimate outlined in the Scope of Work for the Phase I Investigation and Remediation for the Araho Inc. Former Injection Well Disposal Facility in Lea County, New Mexico.

The Scope of Work will include the following:

1. Perform a One-Call to identify and mark buried utilities on the site.
2. Perform a Naturally Occurring Radioactive Materials (NORM) survey of all pipes and equipment prior to disposal to be completed by a registered NORM surveyor.
3. Remove solids and liquids from within each tank for recycling at an approved OCD facility. AMEC estimates that approximately 2,500 bbls of materials were located within the tanks at the time of our site visit on April 17, 2003.
4. Remove refuse that includes barrels, buckets, batteries, pipes, electrical meters and other refuse. Perform sampling and testing as required prior to disposal.
5. Investigate the nature and extent of contamination below tank footprints by trenching with a backhoe. AMEC will use a photo ionization detector (PID) to screen soils and will obtain soil samples for submittal to the OCD approved laboratory for analysis of TPH, BTEX and Chlorides. The trenches will be backfilled when this phase of the investigation is complete. AMEC will attempt to use a small backhoe (excavate up to 12 feet) to complete the trenching investigation. Site conditions (caliche) may require the use of a large trackhoe to



- penetrate into the subsurface to adequately define the extent of contamination. AMEC has provided pricing for each option.
6. Investigate the extent of Chloride contamination in the surface soils (up to six inches deep at the site). AMEC will mark the site into 10 grid areas. Within each of the 10 areas, a composite sample will be obtained from four, four-ounce aliquots. The composite sample will be mixed thoroughly in a plastic bag and one four-ounce composite sample will be obtained for submittal to the OCD approved laboratory for analysis of Chlorides.
 7. AMEC will provide estimates for completing Phase II remediation of the site as follows:
 - a. Estimate volume and cost to remove the contaminated material based on the Phase I Investigation results, removal of soils to an approved OCD reclamation facility and backfilling excavations with clean soil.
 - b. Estimate the volume and cost to excavate and construct compost piles on site. The contaminated soils will be mixed in 4:1 ratio with manure, watered or moistened adequately and turned or aerated every four weeks, for four turning events. Cost will include backfilling excavations after approval from the OCD.
 - c. Provide alternative remediation techniques that would be cost effective based on the data gathered during the Phase I Investigation.
 8. Prepare and deliver a report to the OCD that includes the following:
 - a. A site map showing buried pipelines and electrical hazards
 - b. NORM survey results
 - c. Volume of material removed from the tanks, disposal/reclamation company used and the volume of recoverable hydrocarbons retrieved.
 - d. Tank reclamation or scrap iron facility used.
 - e. Volume/weight of trash removed and the disposal company used.
 - f. Results of analytical data gathered.
 - g. A map/cross-sections showing the location, depth and concentrations of the remaining soil contamination
 - h. Phase II remediation techniques/proposals with estimates as outlined above.
 - i. Deliver the report to the OCD within 60 days of completion of field sampling activities.

AMEC will utilize key subcontractors to accomplish much of the on-site physical clean up and removal of materials from the site. An experienced AMEC project manager will be present during all site activities outlined for the Phase I Investigation. AMEC will perform aspects of the project involving site evaluations, characterization, and estimates and reporting.



COST ESTIMATE

AMEC estimates costs to complete this project for the ODC on a turnkey basis listed as follows:

LN	QTY	RATE	UNIT	COST	DESCRIPTION
*0001	4	\$ 100.00	Hour	\$400.00	Principal
*0002	50	\$ 72.00	Hour	\$3,600.00	Senior Scientist
*0003	50	\$ 59.00	Hour	\$2,950.00	Project Manager/Certified Scientist
*0004	100	\$ 49.00	Hour	\$4,900.00	Staff Scientist
*0010	10	\$ 22.00	Hour	\$220.00	Secretary
*0021	5	\$ 10.00	Day	\$50.00	PID
*0042	1500	\$ 0.25	Mile	\$375.00	Personal Vehicle Mileage
*0043	15	\$ 68.00	Each	\$1,020.00	Per Diem/Overnight
*0053	15	\$ 43.00	Day	\$645.00	Pick up Truck -
				\$0.00	Subcontracted Services - At Cost
	2500	\$ 9.00	bbl	\$22,500.00	Clean Tanks, remove dispose solids/liquids
	1	\$5,293.50	LS	\$5,293.50	Demo Tanks and recycle/dispose
	1	\$5,900.00	LS	\$5,900.00	Surface Cleanup - piping, trash, etc.
	15	\$ 125.00	Hour	\$1,875.00	Large Trackhoe/Operator \$125/Hour
	15	\$ 60.00	Hour	\$900.00	Small Backhoe/Operator \$60/Hour
Subtotal				\$50,628.50	
(a) X 5.25% (NMGRT) =				\$ 2,658.00	
Estimated Project Total:				\$53,286.50	

Project cost will vary pending options or combinations of options (backhoe vs. trackhoe) in addition to the total amount of time and effort to complete the project.

ASSUMPTIONS AND CLARIFICATIONS

1. AMEC assumes that the New Mexico "One Call" system will identify all active gas, electric and other utility lines located within the project area. AMEC will not be responsible for damage to any lines that are not properly identified or marked.
2. This proposal shall become part of the contract for services to be provided.
3. AMEC assumes that any and all of these materials associated with this project are RCRA exempt oilfield wastes that can be transported to an OCD approved facility for recycling or disposal. AMEC assumes no liability associated with the ultimate fate of any materials associated with this project.
4. The OCD will provide authorized access to the site for AMEC and AMEC's selected subcontractors.
5. NORM disposal pricing will be provided at cost upon determination of volumes that may be required for transport and disposal.
6. AMEC will not take ownership of special or hazardous waste that may be encountered during the course of this project.



7. AMEC assumes all work can be performed in Level D personal protective equipment (i.e., hard hat, steel-toed boots, and safety glasses).

AMEC appreciates the opportunity to provide this cost estimate to the OCD for the Phase I Investigation and Remediation for the Araho Inc. Former Injection Well Disposal Facility in Lea County, New Mexico. Please call Don Fernald at (505) 327-7928 or Mark Ehrlich at (915) 686-1978 if you need additional information, or if we can be of further assistance.

Sincerely,
AMEC EARTH & ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read "Don Fernald".

Don Fernald
Program Manager



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

OIL CONSERVATION DIVISION
RECEIVED
'94 JUN 9 AM 8 50

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

NMOCD Inter-Correspondence

To: Jerry Sexton-District I Supervisor

From: Wayne Price-Environmental Engineer District I

Date: June 8, 1994

Reference: Request from Jerry Sexton for recommendations on meeting held June 7, 1994-(minutes attached)

Subject: Araho Class I well site "pit closure"

Comments: Per your request I am making a recommendation that Bill Olson of our NMOCD Environmental Bureau take the lead on this project. I base this recommendation on a telephone conversation with Roger Anderson our Environmental Bureau Chief.

cc: Bill LeMay-NMOCD Director
Roger Anderson-Environmental Bureau Chief

Attachments-1



INTER-OFFICE MEMO

To file: Araho Inc.

Date: June 7, 1994
Time: 9:30 am

Telephone call: _____ Meeting: XX Other: _____

Person called or attending:

Wayne Price, Jerry Sexton- NMOCD
Mrs. Dorothy Runnels-Owner of Araho Inc.
Steve & Cindy Pearce-representing Lea Fishing Tools

REFERENCE: Minutes of Meeting held in Jerry Sexton's office.

Subject: Araho Pit Closure located at the "old" Araho class I disposal well-

Comments: Steve Pearce, a close friend of Mrs. Runnels is helping her as a friend to properly close the pit. His understanding of the oil business and apparently an association through another disposal well where he had worked on a well and became the operator of that well due to a possible default by Mrs. Runnels prompted him to assist her.

They presented a verbal plan of action where they want to remove the liquids from the pit and dispose of at the Araho SDW # 1. The remaining material would then be bioremediated. They apparently want to do all of this in house.

They ask me if this plan would be ok! I informed them that there would be a number of environmental hoops to jump through in order to make this determination. I told them that the exempt status of the pit would have to be investigated and maybe some analytical work such as "metals" might have to be run. Jerry indicated that this has already been done and it is in some file either here or Santa Fe.

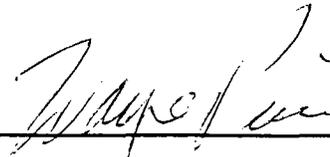
Mrs. Runnels said that the NMED has already signed off on it. She gave me a copy of a letter April 26, 1991 to her from the NMED. (see attachments)

It was pointed out during the meeting that the pit is lined with a heavy liner and is still in good shape.

It was pointed out in the meeting that if they could do it this way then everyone would benefit, the site would be cleaned up at the expense of Mrs. Runnels. If large demands are placed on this project, Mrs. Runnels was afraid her creditors might force her out of business and the site would be left to the state to clean up. She sincerely wants to do the right thing and abide by the environmental rules and regulations.

The meeting was concluded by indicating that the Santa Fe NMOCD Environmental Group would have to be involved.

Wayne Price





State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

JUDITH M. ESPINOSA
SECRETARY

BRUCE KING
GOVERNOR

April 26, 1991

RON CURRY
DEPUTY SECRETARY

Mrs. Dorothy Runnels
President
Araho, Inc.
1621 S. Main
Lovington, NM 88260

RECEIVED
JUN 07 1994
OCC HUBBS
OFFICE

Dear Mrs. Runnels:

On February 15, 1990, the New Mexico Environmental Improvement Division, now the New Mexico Environment Department (NMED), conducted a hazardous waste inspection of your facility, Araho, Inc. This letter is NMED's notice that, based on our review of the information received, Araho has not violated the hazardous waste regulations.

However, with new changes in the hazardous waste regulations, EID must inform you that you may not dispose of any refinery wastes (e.g. K049 and K051) in your wells. These wastes were prohibited from land disposal on August 8, 1990 (for wastewaters; for non-wastewaters the effective prohibition date is November 8, 1990).

If you have any questions concerning this information, please call me at 827-2928.

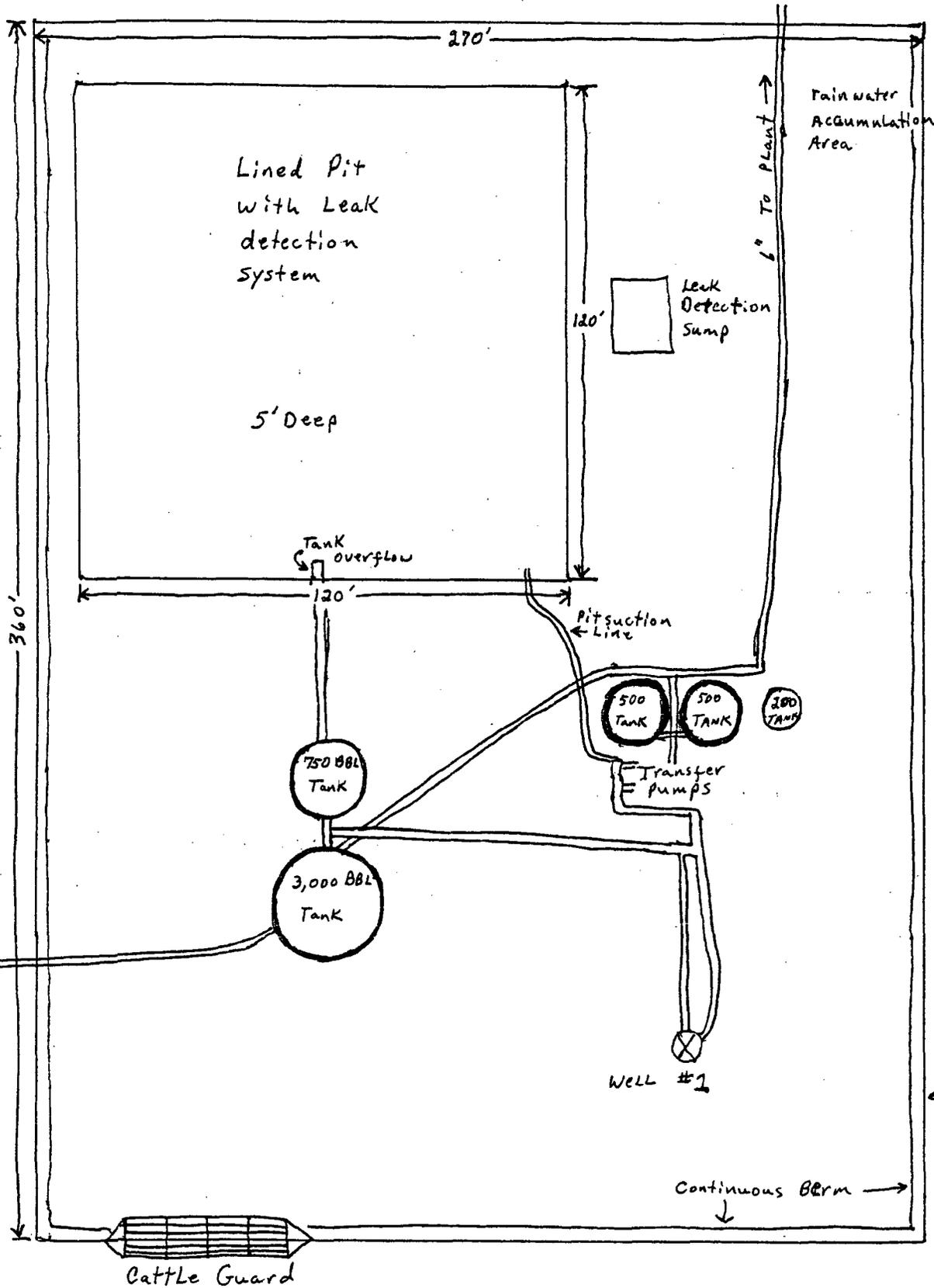
Sincerely,

Patricia A. Ringgenberg

Patricia A. Ringgenberg
Water Resource Specialist
Hazardous and Radioactive Waste Bureau

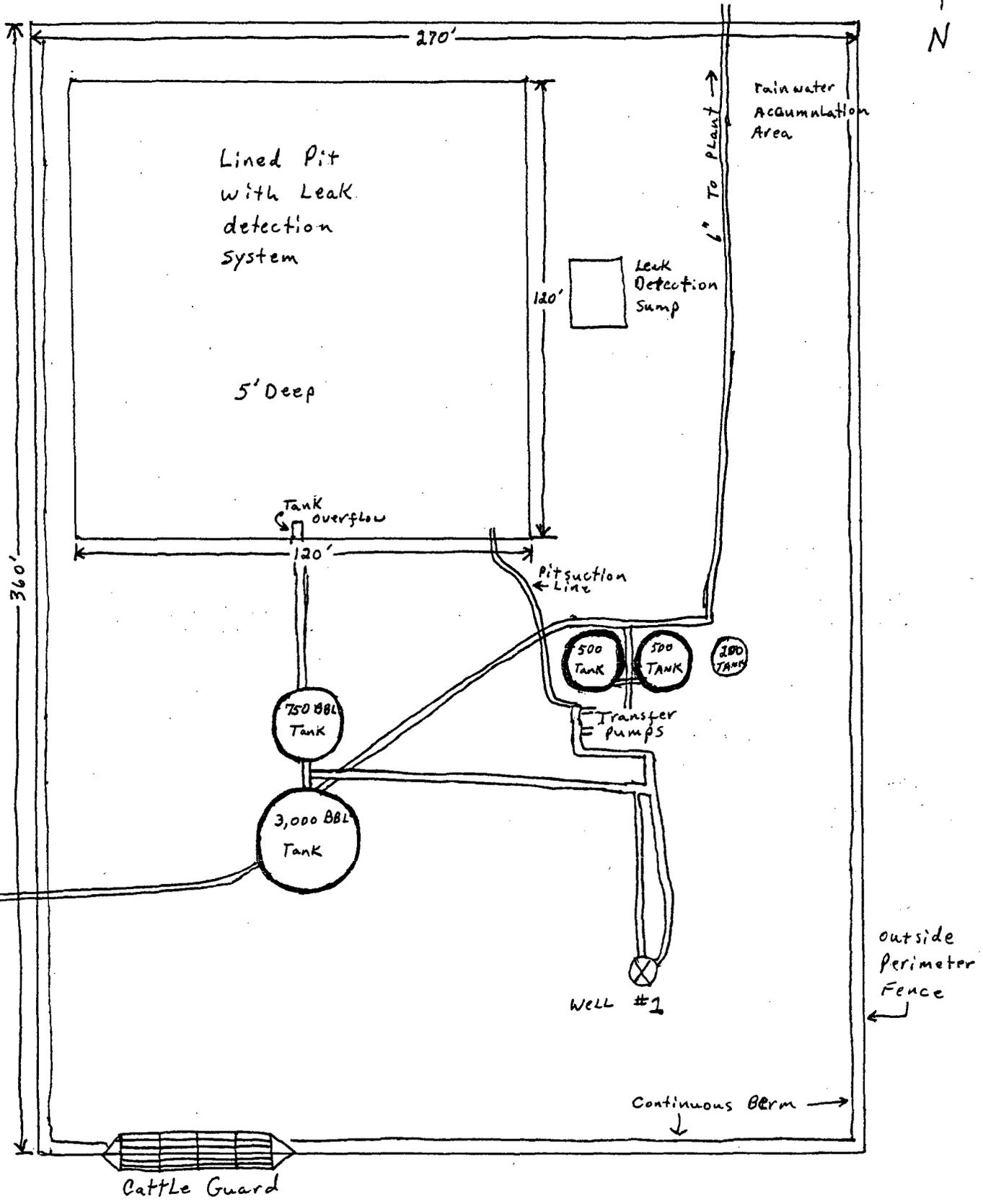
ARAHO INC.

L.C. STATE # 1

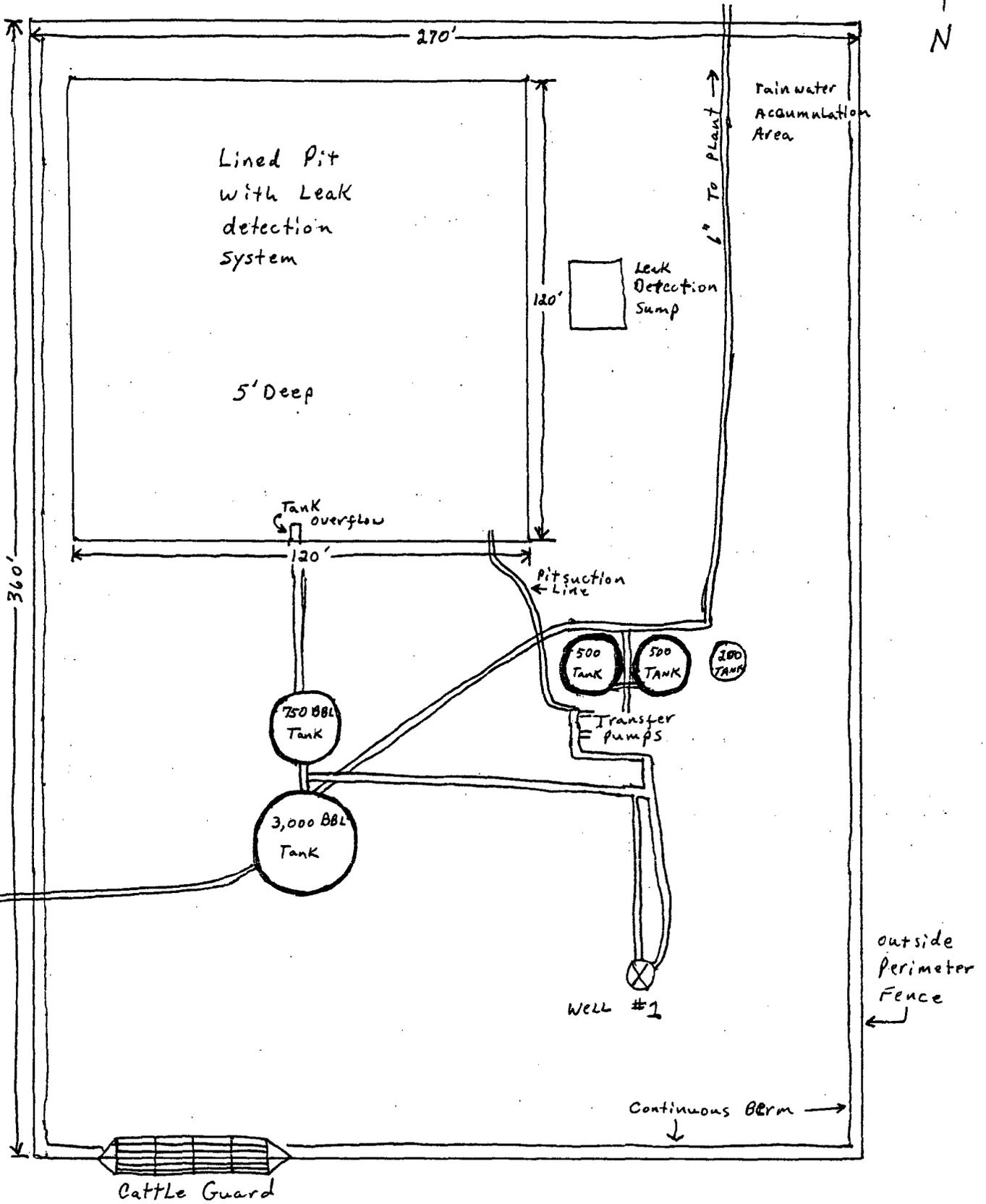


Tanks and lines are in place. Pits are in place, but do not have leak detection system installed. Application for pit reconstruction will be forthcoming.

ARAHO INC.
L.C. STATE # 1



Tanks and lines are in place. Pits are in place, but do not have leak detection system installed. Application for pit reconstruction will be forthcoming.



Tanks and lines are in place. Pits are in place, but do not have leak detection system installed. Application for pit reconstruction will be forthcoming.

Kieling, Martyne

From: Kieling, Martyne
Sent: Tuesday, April 08, 2003 11:47 AM
To: Johnson, Larry
Subject: Araho

Larry,

FYI

Here is a copy of the scope of work that went out to each of the three companies listed on the Highway Dept contract.



SCOPE OF
WORK1.doc



SCOPE OF
WORK2.doc



SCOPE OF
WORK3.doc

The bids are due by April ³⁰25, 2003. I have spoken with John Bunch with Respec. He is planning on visiting the site on Monday or Tuesday of next week. He has also offered to sample the paint chips from the tanks. The OCD will be paying for the analysis at Pinnacle Labs in Albuquerque. I have copied you on a letter to the City of Lovington Manager regarding an Access Agreement and will have him mail the signed originals to you.



LetLovington0408.d
oc

Here are other letters that have gone out. You will get hard copies in the mail that are signed. So you do not have to print any of these.



Let040803.doc



Let0307.doc

Give me a call if you have any questions.

Martyne J. Kieling

Martyne J. Kieling
Environmental Geologist

SCOPE OF WORK

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

**PHASE I INVESTIGATION AND REMEDIATION
ARAHO INC.
FORMER INJECTION WELL DISPOSAL FACILITY
LEA COUNTY, NEW MEXICO**

APRIL 1, 2003

I. INTRODUCTION

A. PURPOSE

The State of New Mexico Oil Conservation Division of the Energy, Minerals and Natural Resources Department (OCD) is conducting a Phase I investigation and cleanup at the Araho, Inc. former injection well disposal facility. The New Mexico State Highway and Transportation Department, Site Maintenance & Monitoring, Purchase Agreement 30-805-09-18056 will be used on this job.

B. SUMMARY

The contractor shall perform the work necessary to conduct a Phase I cleanup and investigation to include the removal of the tank fluids, tanks, equipment, pipe and trash; and determine the nature extent of subsurface soil contamination. The Contractor shall also compile volume and cost estimates with regards to the soil contamination and prepare a cost effective Phase II investigation and cleanup proposal that can be implemented at this location. This site is suitable for on site composting. Araho, Inc. is located in the **NE/4 SE/4 of Section 1, Township 17 South, Range 36 East, NMPM, Lea County, New Mexico** (see figure 1, and photos).

C. PROCUREMENT MANAGER

The OCD has designated a Procurement Manager who is responsible for the conduct of this procurement whose name, address and telephone number are listed below.

Martyne J. Kieling
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505
Phone: 505-476-3488
Fax: 505-476-3462
e-mail: mkieling@state.nm.us

All deliveries via express carrier should be addressed as above. Any inquiries or requests regarding this procurement should be submitted to the Procurement Manager in writing. Other state employees do not have the authority to respond on behalf of the Agency.

D. BACK GROUND INFORMATION

Araho Inc. operated from 1974 to 1993 as an injection well disposal facility. The Araho site is located in the NE/4 SE/4 of Section 1, Township 17 South, Range 36 East, NMPM, Lea County, New Mexico. The surface is owned by the city of Lovington. The OCD is in the process of obtaining an access agreement with the city of Lovington in order for contract work to be performed. The facility has a large lined waste holding pit. This pit is not included in the OCD Phase I investigation and cleanup. However, Navajo Refining and their contractor will be managing the cleanup of the pit portion of the facility. The two portions of the project may be occurring at the same time or they may be staggered.

Depth to ground water at the site is estimated to be approximately 80 feet. The local ground water gradient is estimated to be toward the southeast. The OCD recommends that the contract vendors visit the site prior to submitting an estimate. The following table lists the major items located at the site and the estimated volume.

ITEM	SIZE / VOLUME ESTIMATES
Facility Dimensions	293' x 410
Lined Pit 125' x 120' x 4'	Not included in this estimate
Outside Pit Berm 145' x 145' x 4'	Not included in this estimate
3000 bbl tank	1000 bbls of material
210 bbl tank	50 bbls of material
750 bbl tank	250 bbls of material
500 bbl tank	empty
500 bbl tank	100 bbls of material
200 bbl tank open top fiberglass	200 bbls and overflowing
200 bbl tank	empty
750 bbl tank	empty
pipe	1000 feet
55 gal drum	15 drums
Assorted trash	volume not assessed

II. TECHNICAL SPECIFICATIONS

The contractor shall:

1. Perform a One-Call and map the buried pipelines and all electrical hazards on site.
2. Perform a naturally occurring radioactive materials (NORM) survey of all pipes and equipment prior to disposal. A registered NORM surveyor must perform NORM surveys. The Regulations that pertain to NORM are 19.15.9.714 NMAC and 20.3.14 NMAC. The New Mexico Environment Department Radiation Control Bureau can be contacted for additional information regarding registration and licenses.

3. Remove material within the tanks for recycling, estimated to be 1600 bbls. Remove all tanks for recycling or disposal (see photos and table on the preceding page). The material and tanks must be sent to an OCD-approved facility and must be disposed/recycled in accordance with the rules of the OCD.
4. Remove trash at the site to include barrels, buckets, batteries, pipes (buried and surface), electrical meters, and other trash items. Perform any testing that may be necessary prior to disposal. *All samples taken during Phase I of the investigation will be sent to one of the laboratories currently covered by a separate purchase agreement with the OCD (Trace Analysis or Pinnacle).*
5. Investigate nature and extent of contamination below the tank footprints if there is visual evidence that the tank leaked or overflowed.
 - a. Investigate the extent of contamination beneath the tank footprints by trenching with a backhoe. Field photo ionization detector (PID) measurements will be used as a screening tool. Samples will be taken from each trench and will be sent for laboratory TPH, BTEX and chloride analysis. Back fill open trenches when finished.
6. Investigate the extent of chloride contamination in the surface soils at the site. A grid will be marked off on the site and 10, six (6)-inch compost samples will be taken.
7. Provide Estimates on the following Phase II remediation techniques.
 - a. Estimate the volume and cost to remove the contaminated material based on the trenching and sample analysis. Contaminated soil must be sent to an OCD-approved landfarm for reclamation. Estimate the cost for clean fill. Clean fill should be backhauled from the landfarm to help decrease trucking charges.
 - b. Estimate the volume and cost to excavate and construct compost piles on site. The contaminated material should be mixed 4:1 with manure and enough water should be added to keep the piles moist. The piles should be turned every four (4) weeks for at least four (4) turning events. Estimate the cost to backfill and compact the excavations and contour the site with the remediated composted material on site.

- c. Propose any additional remediation techniques that would be cost effective based on the data gathered during Phase I.
8. Prepare and deliver to the OCD a final report that contains:
- a. A site map showing all buried pipelines and electrical hazards.
 - b. NORM survey results.
 - c. Volume of material removed from the tanks, disposal/reclamation company used and the volume of recoverable hydrocarbons retrieved.
 - d. Tank reclamation or scrap iron facility used.
 - e. Volume/weight of trash removed and the disposal/recycling company used
 - f. Results of all analytical data gathered.
 - g. A map/cross-sections showing the location, depth and concentrations of the remaining soil contamination.
 - h. Phase II remediation techniques/proposals with estimates as outlined in 7 a, b, and c above.

III. SCHEDULE

A. INITIATION OF WORK

The investigation and cleanup shall be scheduled to commence as soon as possible after OCD approval of a contractor and purchase document for the investigation.

B. REPORT SUBMISSION

A report on the investigation and cleanup shall be submitted to the OCD within 60 days of completion of the field sampling activities.

IV. MERGER

This Agreement, and attachments thereto, together with NMSHTD Price Agreement No. 30-805-09-18056, constitutes the entire agreement between the parties hereto and all previous agreements, conditions, promises, inducements and understandings shall be deemed to have merged in this Agreement.

V. ESTIMATE

A. Provide information regarding how you plan to implement the scope of work along with a cost estimate by April 30, 2003. For each item in the estimate, reference the corresponding individual line item from the contract. If there are additional items that do not fall under any line item please list the item as "at cost". Any Items billed at cost must be supported with receipts at time of invoicing. Please note that the New Mexico Gross Receipts Tax is currently 5.25 % for Lea County and for the Lovington Industrial Park.

LN	QTY	RATE	UNIT	COST	DESCRIPTION
*0001		\$75.00	Hour		Principal
*0002		\$70.00	Hour		Senior Scientist
*0003		\$63.00	Hour		Project Manager/Certified Scientist
*0004		\$50.00	Hour		Staff Scientist
*0005		\$35.00	Hour		Field Technician II
*0006		\$30.00	Hour		Field Technician I
*0007		\$35.00	Hour		Draftsperson II
*0008		\$25.00	Hour		Draftsperson I
*0009		\$32.00	Hour		Administrator
*0010		\$30.00	Hour		Secretary
*0011		\$20.00	Hour		Clerk
*0021		\$5.00	Day		PID
*0025		\$120.00	Day		Backhoe 1
*0026		\$157.00	Day		Backhoe 2
*0027		\$180.00	Day		Backhoe 3
*0028		\$350.00	Day		Trackhoe 1
*0029		\$500.00	Day		Trackhoe 2
*0042		\$0.32	Mile		Personal Vehicle Mileage
*0043		\$65.00	Each		Per Diem/Overnight
*0044		\$140.00	50 gal/bbl		Disposal of Contaminated Fluids
*0052		\$50.00	Day		Water Truck -
*0053		\$50.00	Day		Pick up Truck -
*0054		\$80.00	Day		Steam cleaner
			Day		Shear - at cost
			Ton		Tank & Pipe Disposal/Recycling - at cost
			Ton		Trash Disposal - at cost
			Day		Vacuum truck - at cost

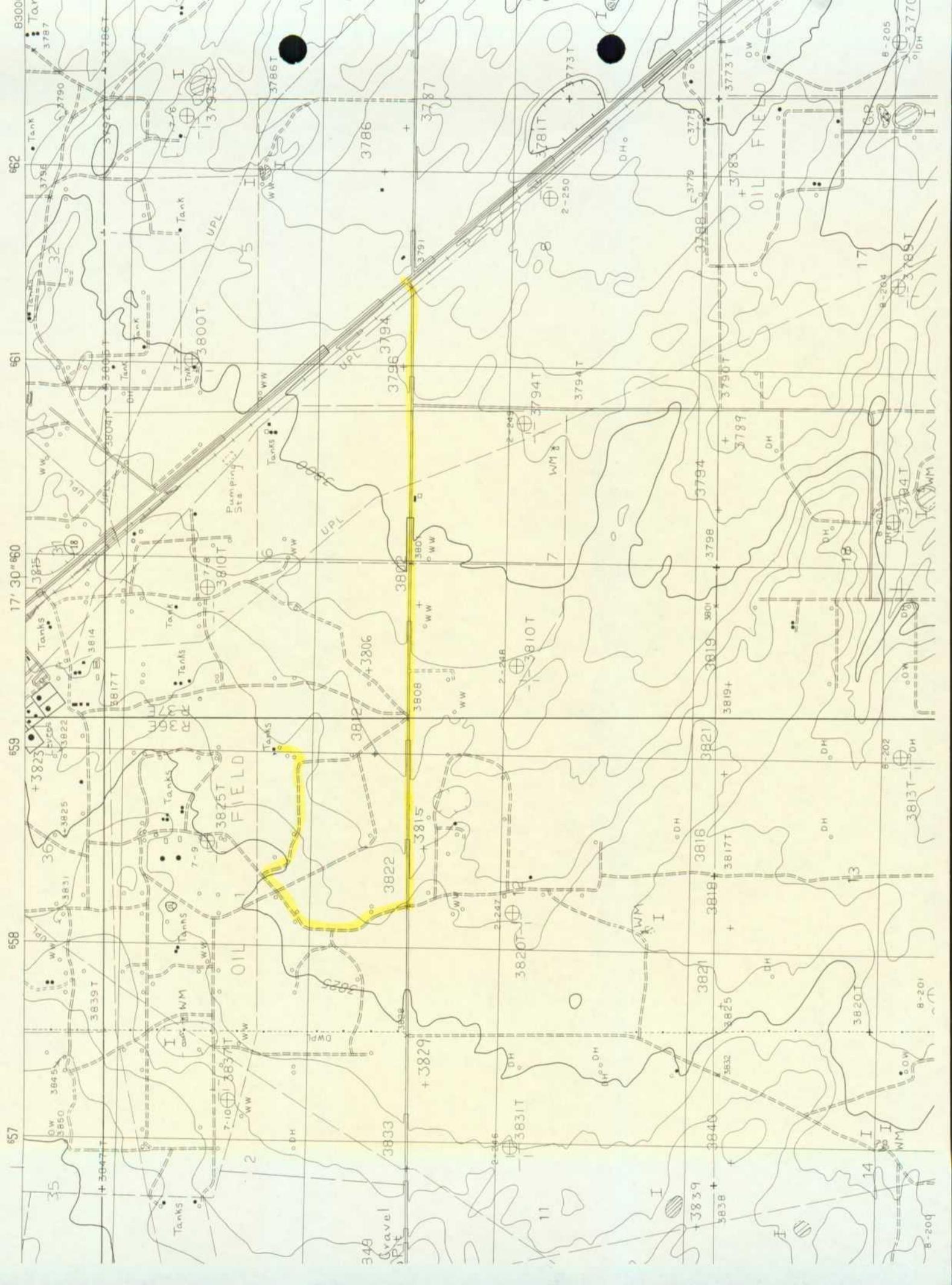
TOTAL = (a) X 5.25% (NMGRT) =

NOTE: LABORATORY COSTS ARE NOT INCLUDED

Contract Vendor 3) Respec, Inc., 4775 Indian School Rd. NE, Suite 300, Albuquerque, NM 87110, Telephone 1-505-268-2661. Original e-mailed to john.bunch@respec.com.

Accepted: RESPEC, INC.

SIGNATURE _____ TITAL: _____ DATE: _____





USGS

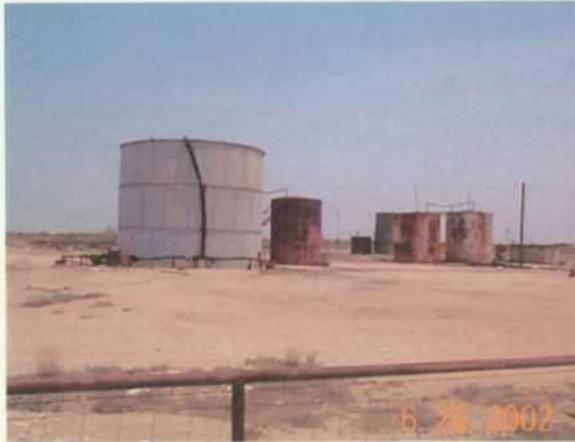


Photo 1: June 26, 2002



Photo 4: June 26, 2002



Photo 2: June 26, 2002



Photo 5: August 2000



Photo 3: June 26, 2002



Photo 6: August 2000



Photo 7: August 2000



Photo 10: August 2000



Photo 8: August 2000



Photo 9: August 2000



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

April 8, 2003

Pat Wise
City Manager
City of Lovington
P.O. Box 1269
Lovington, NM 88260

Dear Mr. Wise:

Enclosed please find a Temporary Grant of Easement for the City's review. If it is acceptable please have it signed and notarized. The original should be returned to Larry Johnson of the OCD Hobbs Office so we may have it registered with the County Clerk. Larry Johnson's address follows:

Larry Johnson
Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88240

Phone (505) 393-6161 extension 111

I would like to thank you for your letter dated April 1, 2003 and the copy of the Right of Way Agreement with Araho, Inc. It was very helpful in preparing the OCD document. The OCD has notified Araho, Inc. of its plans and has begun soliciting bids for the project. I will keep you informed on our progress and any anticipated start dates when they become available.

Sincerely,

A handwritten signature in cursive script, appearing to read "Martyne J. Kieling".

Martyne J. Kieling
Environmental Geologist

cc: OCD Hobbs



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

April 8, 2003

Lori Wrotenbery

Director

Oil Conservation Division

John Bunch
Respec, Inc.
4775 Indian School Rd. NE, Suite 300
Albuquerque, NM 87110

Don Fernald
AMEC
2060 Afton Place
Farmington, NM 87401

Joe Tracy
Intera, Inc.
6501 Americas Pkwy NE
Albuquerque, NM 87110

RE: Araho Inc. Scope of Work and Bid Request.

Dear John, Don, and Joe

Enclosed please find additional information on the Araho Inc. facility I have located an old sketch map in the file that shows pipe that is most likely below grade at the facility. I hope this helps with your estimates. Please only consider the removal of pipe that is inside of the fence line.

The OCD will be having the paint on the tanks sampled and analyzed for lead. I will copy you all when the results are in.

Sincerely,

Martyne J. Kieling
Environmental Geologist

cc: Hobbs OCD

See 1 - Twp 175 - Rge 26E

39.37	1 39.47 # 34259 9-14-99	3 39.42	2 39.47	1 39.52	4 39.55	3 39.56	2 39.58	1 39.59	4 39.65	3 39.75	2 39.85	1 39.95
	Davis Family Living Trust 9-14-99 # 34259	DAVIS FAMILY LIVING TRUST 3			DAVIS FAMILY TRUST 2		City of Lovington				City of Lovington	# 200962 10-26-01 Ost West Inc
	Davis Family Living Trust 9-14-99 # 34259	State			State		City of Lovington				City of Lovington	# 200962 10-26-01 Ost West Inc

GRANT OF RIGHT OF WAY AND EASEMENT

KNOW ALL MEN BY THESE PRESENTS THAT:

In consideration of One (\$1.00) Dollar and other good and valuable consideration, the CITY OF LOVINGTON, Lea County, New Mexico, hereinafter called Grantor does herewith grant, bargain, sell and convey unto ARAHO, INC., a New Mexico Corporation, hereinafter called Grantee, a right of way and easement Thirty (30) feet in width, on, over, and through the lands of Grantor, hereinafter described, for the purpose of constructing, maintaining using and operating one or more underground pipelines, and in the case of Parcel Number 3, surface installations, for the purpose of conveying various liquid substances over, across, through and under the lands hereinafter described, together with the right to excavate and refill ditches for the location of such pipelines and surface installation. Said right of way and easement is more particularly described as follows:

PARCEL NO. 1: A strip of land 30 feet wide, being 15 feet right and 15 feet left of the following description survey of center line:

Beginning at Eng. Sta. 31+30, a point on the South boundary line of Section 36, Township 16 South, Range 36 East, N.M.P.M., Lea County, New Mexico, from which the Southeast corner of the said Section 36 bears North 89°51' East, a distance of 655 feet; thence North 19°30' West, crossing the City of Lovington, New Mexico land, a distance of 1526 feet to Eng. Sta. 46+56; thence North 53°10' East, a distance of 890 feet to Eng. Sta. 55+46, a point on the West boundary line of the Famariss Oil and Refining Company Plant Site, from which the East Quarter corner of the said Section 36 bears North 32°16' East, a distance of 792 feet.
146.42 Rods

PARCEL NO. 2: A strip of land 30 feet wide, being 15 feet right and 15 feet left of the following described survey of center line:

Beginning at Eng. Sta. 1-04.5, a point on the North bound-

ary line of the Proposed Salt Water Disposal Plant Site, from which the East Quarter corner of Section 1, Township 17 South, Range 36 East, N. M. P. M., Lea County, New Mexico bears North 58°01' East, a distance of 661.6 feet; thence, North 2°30' East, crossing the City of Lovington, New Mexico land, a distance of 2395.5 feet to Eng. Sta. 25-00; thence, North 19°30' West, a distance of 630 feet to Eng. Sta. 31-30, a point on the North boundary line of the said Section 1, from which the Northeast corner of the said Section 1 bears North 89°51' East, a distance of 655 feet.
183.36 Rods

PARCEL NO. 3: A tract of land containing 1 acre, more or less, and being a certain part of the Southeast Quarter (SE/4) of Section 1, Township 17 South, Range 36 East, N. M. P. M., Lea County, New Mexico, and is more particularly described as follows:

Beginning at a point, the Northeast corner of this tract, from which the Southeast corner of the said Section 1 bears North 89°51' East, a distance of 461.4 feet, and South, a distance of 2291 feet; thence, South 89°51' West, a distance of 208.71 feet to the Northwest corner of this tract; thence, South, a distance of 208.71 feet to the Southwest corner of this tract; thence, North 89°51' East, a distance of 208.71 feet to the Southeast corner of this tract; thence, North, a distance of 208.71 feet to the point of beginning.

This grant shall carry with it the right to inspect, patrol, alter, remove, replace, reconstruct and repair the said pipelines, valves, and other appurtenances, the right to mark the location of said right of way by suitable markers set and maintained in the ground at locations which shall not interfere with such reasonable use as Grantor shall make of the land within limits of said right of way, the right to use such lands of the Grantor immediately adjacent to either side of the right of way as may reasonably be required by Grantee in connection with the construction, reconstruction, maintenance, replacement and removal of the pipelines, valves, and other appurtenances and the right of ingress to and egress from the said right of way across the lands of the Grantor for all purposes useful or convenient in connection with or incidental to the exercise and enjoyment of the rights herein granted.

TO HAVE AND TO HOLD the above described rights and right of way

unto the Grantee, its successors and assigns, for as long as Grantee desires to exercise the same, and Grantee may assign the rights and right of way herein granted, either in whole or in part, subject to the terms of this grant.

The pipes, valves and other appurtenances shall at all times remain the property of Grantee, notwithstanding the same may be annexed or affixed to the freehold, and shall at any time and from time to time be removable, in whole or in part, by Grantee, its successors or assigns.

In the event Grantee permanently abandons the pipelines, Grantee, at its option, may leave the pipe in place and shall execute and record a reconveyance and release of this grant.

Grantor reserves the right to full use and enjoyment of said premises, except for the purposes herein granted, provided that such use and enjoyment shall not hinder, conflict or interfere with the exercise of Grantee's right hereunder, and that no building, reservoir or structure shall be constructed on the said right of way without Grantee's written consent.

Grantee, insofar as it is practicable to do so, shall bury all pipe to a sufficient depth at time of construction so as not to interfere unreasonably with the ordinary cultivation of the right of way and shall restore the surface of the ground, so far as is practicable, to its condition prior to installation of the pipe.

Grantee shall pay Grantor the reasonable amount of actual damages to crops, livestock, fences, buildings, private roads, and other improvements caused by it on said lands in the construction or reconstruction of the pipeline or pipelines or in the exercise of the right of ingress or egress.

Grantor represents, covenants and warrants that such of the undersigned as are shown on record in said county as owners in fee simple of the lands hereinabove described are indeed the owners of such fee simple title, subject only to outstanding encumbrances, if any, now on record in said county.

The provisions hereof shall inure to the benefit of and be binding upon the parties hereto, their respective heirs, representatives, executors, administrators, successors and assigns.

IN WITNESS WHEREOF, these presents are hereby signed this 24 day of May, 1974.

CITY OF LOVINGTON
Lea County, New Mexico

By: *Harold B. Denton*
Mayor

ATTEST:

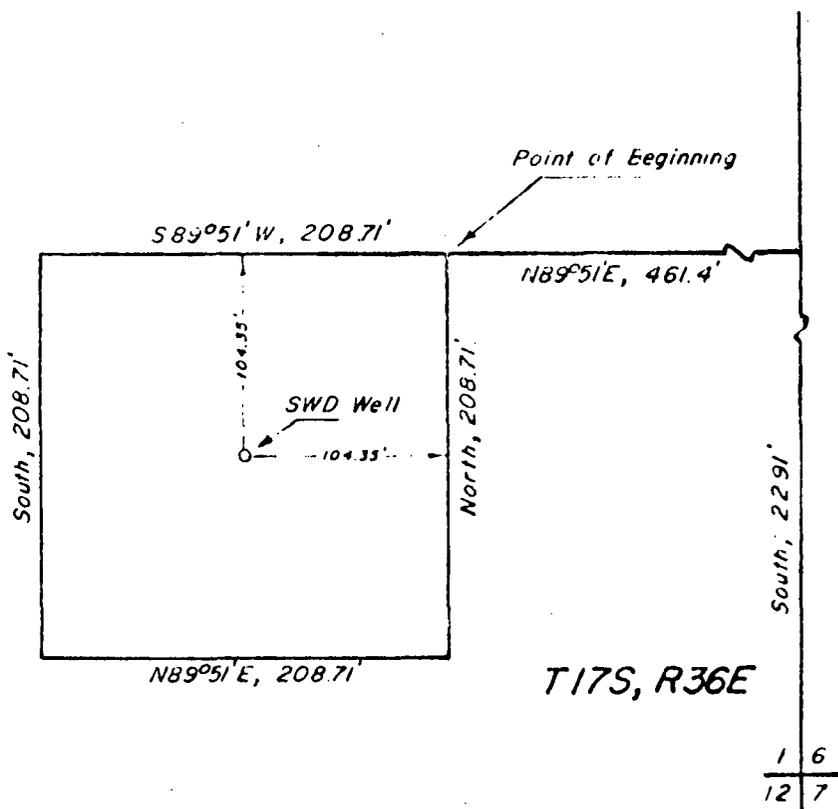
Peggy Mann
City Clerk

STATE OF NEW MEXICO)
) SS:
COUNTY OF LEA)

The above and foregoing Grant of Right of Way and Easement was acknowledged before me this 24 day of May, 1974, by Harold Denton, Mayor of the City of Lovington, Lea County, New Mexico on behalf of said City.

Juanita Robinson
NOTARY PUBLIC

My Commission Expires:
11-22-75



DESCRIPTION

A tract of land containing 1 acre, more or less, and being a certain part of the southeast quarter of Section 1, Township 17 South, Range 36 East, N. M. P. M., Lea County, New Mexico, and is more particularly described as follows:

Beginning at a point, the northeast corner of this tract, from which the southeast corner of the said Section 1 bears north 89°51' east, a distance of 461.4 feet, and south, a distance of 2291 feet; thence, south 89°51' west, a distance of 208.71 feet to the northwest corner of this tract; thence, south, a distance of 208.71 feet to the southwest corner of this tract; thence, north 89°51' east, a distance of 208.71 feet to the southeast corner of this tract; thence, north, a distance of 208.71 feet to the point of beginning.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
 JOHN W. WEST, N.M. PE & L.S. NO 676
 TEXAS RPS NO 1138

ARAO, INCORPORATED	
Proposed Salt Water Disposal Plant Site consisting of 1 acre of land in the southeast quarter of Section 1, Township 17 South, Range 36 East, NMPM., Lea County, New Mexico	
JOHN W WEST ENGINEERING COMPANY CONSULTING ENGINEERS MOBBIS, NEW MEXICO	
Scale 1"=100'	Drawn by chb
Date April 20, 1974	Sheet 1 of 1 Sheets

Parcel #3

R36E
R37E



36

City of Lovington

55+46 Famariss Plant Fan.
53+74 2" Flow Ln.
53+24 2" Flow Ln.
51+70 Bur. Pipe Ln.
50+88 2" Flow Ln.
50+34 Bur. Pipe Ln.
50+12 2" Flow Ln.
49+55 Bur. Pipe Ln.
48+84 4" Flow Ln.
48+03 Bur. Pipe Ln.
46+56 A 72" Ht.
46+27 Bur. Pipe Ln.
46+00 Bur. Pipe Ln.
45+88 2" Flow Ln.
45+43 Bur. Pipe Ln.
45+22 2" Flow Ln.
44+57 Bur. Pipe Ln.
43+07 Bur. Pipe Ln.
39+71 Bur. Pipe Ln.
39+29 Hood
38+26 2" Flow Ln.
37+15 Hood
37+16 Bur. Pipe Ln.
36+35 Bur. Pipe Ln.
35+05 2" Flow Ln.
33+01 3" Flow Ln.
34+27 Q. Road
34+06 Bur. Pipe Ln.
32+82 Bur. Pipe Ln.
31+30 Bur. Pipe Ln.
31+30 Sp. Ln. FENHOM

South
2600

T16S

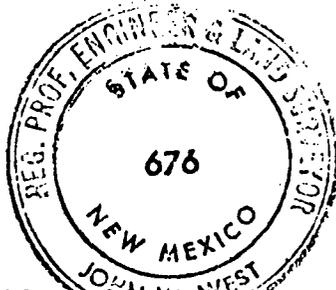
T17S

DESCRIPTION

A strip of land 30 feet wide, being 15 feet right and 15 feet left of the following description survey of center line:

Beginning at Eng. Sta. 31+30, a point on the south boundary line of Section 36, Township 16 South, Range 36 East, N. M. P. M., Lea County, New Mexico, from which the southeast corner of the said Section 36 bears north 89°51' east, a distance of 655 feet; thence, north 19°30' west, crossing the City of Lovington, New Mexico land, a distance of 1526 feet to Eng. Sta. 46+56; thence, north 53°10' east, a distance of 890 feet to Eng. Sta. 55+46, a point on the west boundary line of the Famariss Oil and Refining Company Plant Site, from which the east quarter corner of the said Section 36 bears north 32°16' east, a distance of 792 feet.

146.42 Rods



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
JOHN W. WEST, N.M. P.E. & L.S. NO. 676
TEXAS R.P.S. NO. 1138

ARAHO, INCORPORATED	
Proposed salt water disposal pipe line crossing the City of Lovington, New Mexico land in Section 36, Township 16 South, Range 36 East, N. M. P. M., Lea County, New Mexico.	
JOHN W WEST ENGINEERING COMPANY CONSULTING ENGINEERS NO. 889, NEW MEXICO	
Scale 1"=1000'	Drawn by chb
Date April 19, 1974	Sheet 1 of 1 Sheets

Parcel #1



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

April 7, 2003

Ms. Dorothy Runnels
Araho, Inc.
8100 West Alabama
Hobbs, NM 88242

Re: OCD Investigation and Cleanup
Araho, Inc.
SE/4 of Section 1, Township 17 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Ms. Runnels:

The New Mexico Oil Conservation Division (OCD) hereby notifies you that the OCD is in the process of soliciting bids to begin an investigation and cleanup of the surface equipment and materials that are remaining at the Araho, Inc. former injection well facility at the above referenced location. The OCD has been in contact with the Lovington city manager, Pat Wise, to gain temporary access to the surface. In addition, Navajo Refining has proposed to cleanup the pit at the above location and has begun to solicit bids for that portion of the work.

The OCD has determined that this investigation and cleanup is necessary to protect public health and the environment. The Araho, Inc facility, including the lined pit, tanks, equipment, valve sumps and pipe will be removed, and contaminated soils will be removed or remediated on site. Salvageable equipment will be sold and any proceeds from such sales will be applied to the cost of clean-up. Please be advised that this OCD investigation and cleanup does not relieve Araho Inc. of responsibility. OCD reserves the right to seek reimbursement of costs it may incur from any existing or future assets of Araho, Inc. Furthermore, Araho, Inc is not relieved of any liability to any person who may be damaged should it be determined that Araho's operations have resulted in pollution of surface water, ground water, or the environment. In addition, this action does not relieve Araho, Inc. of responsibility for compliance with other federal, state or local laws or regulations.

If you have any questions regarding this action, please contact Martyne Kieling at (505) 476-3488.

If Araho, Inc. objects to the proposed actions of OCD, you should file an application for a hearing with the Santa Fe office by April 21, 2003.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roger C. Anderson".

Roger C. Anderson,
Environmental Bureau Chief

RCA/mk

xc: OCD Hobbs District

Mark Sanchez, Esq., Gary Regan P.A, P.O. Box 770, Hobbs, NM 88240

Kieling, Martyne

From: Kieling, Martyne
Sent: Thursday, April 03, 2003 2:59 PM
To: 'john.bunch@respec.com'; 'ssabol@inter.com'; 'don.fernald@amec.com'
Subject: Request for Bid

Dear John, Stacy & Don:

Attached is a scope of work for an COD investigation and cleanup at the Araho Inc. former injection well facility. The site is between Lovington and Hobbs, New Mexico. If you wish to bid on this project, please provide a cost estimate, by April 25, 2003. The scope of work will be implemented under the State of New Mexico General Services Department Contract # 30-805-09-18056. For each item in the estimate, please reference the corresponding individual line item from the contract. If there are items not covered please list them "At Cost" and provide the cost. I have also included an excel document that contains the table found within the Scope of Work. You may use the Excel table if you wish and re-insert it into the Scope of Work Document; Respec's table is listed on Tab 1, Amec's table is on Tab 2 and Intera's table is on Tab 3. I believe that I have entered all the correct bid prices but if I have made any errors please let me know. Also attached are photos and a map with directions.



SCOPE OF
WORK3.doc



Price
Estimat-scope.xls



Map &
Directions.doc



Photos Scope of
Work.doc

If you have any questions please contact me.

Sincerely,

Martyne J. Kieling

Martyne J. Kieling
Environmental Geologist
Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

Phone 505-476-3488
Fax 505-476-3462

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

PL I.D. 304120

May 1, 2003

NMOCD
1220 S. St. Francis Drive
Santa Fe, NM 87505

RESPEC
4775 Indian School Rd NE
Suite 300
Albuquerque, NM 87110

Project Name/Number: ARAHO SITE

Attention: Martyne Kieling/John Bunch

On 04/17/03, Pinnacle Laboratories Inc., (ADHS License No. AZ0643 pending), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



H. Mitchell Rubenstein, Ph.D.
General Manager

MR:jt

Enclosure

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT : NM OIL CONSERVATION DIVISION DATE RECEIVED : 04/17/03
PROJECT # : ARAHO SITE
PROJECT NAME : (NONE) REPORT DATE : 05/01/03

PL ID: 304120

<u>PINNACLE ID #</u>	<u>CLIENT DESCRIPTION</u>	<u>MATRIX</u>	<u>DATE COLLECTED</u>
01 304120-01	PAINT CHIPS FROM SITE TANKS	AQUEOUS	04/14/03

---TOTALS---

MATRIX
AQUEOUS

#SAMPLES
1



STL

LOG NO: C3-04424
Received: 18 APR 03
Reported: 24 APR 03

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Cl Project No: 304120

Project: 304120, NMOCD ARAHO SITE
Sampled By: Client
Code: 121530425

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
04424-1	304120-01	04-14-03/16:05
PARAMETER	04424-1	
Lead (6010B), mg/kg	210	
Dilution Factor	2	
Prep Date	04.21.03	
Analysis Date	04.22.03	
Batch ID	PS065	
Prep Method	3050B	
Analyst	GSP	

LOG NO: C3-04424
Received: 18 APR 03
Reported: 24 APR 03

Ms. Jacinta Tenorio
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Cl Project No: 304120

Project: 304120, NMOCD ARAHO SITE
Sampled By: Client
Code: 121530425

Page 2

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED			
04424-2	Method Blank				
04424-3	Lab Control Standard % Recovery				
04424-4	Matrix Spike % Recovery				
04424-5	Matrix Spike Duplicate % Recovery				
PARAMETER		04424-2	04424-3	04424-4	04424-5
Lead (6010B), mg/kg		<0.50	97 %	N/C	N/C
Dilution Factor		1	---	---	---
Prep Date		04.21.03	---	---	---
Analysis Date		04.22.03	---	---	---
Batch ID		PS065	PS065	PS065	PS065
Prep Method		3050B	---	---	---
Analyst		GSP	---	---	---

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. See the Project Sample Inspection Form (PSIF) to determine if a sample was received that did not meet EPA requirements for sample collection, preservation, or holding time.

Lance Larson
Lance Larson, Project Manager

Final Page Of Report

STL Pensacola Data Qualifiers for Final Report

- B The analyte was detected in the associated method blank and in the client's sample.
- C The compound has been quantitated against a one point calibration.
- D Recovery is not calculable due to dilution.
- E Estimated value because the analyte concentration exceeds the upper calibration range of the instrument or method.
- I Estimated value because the analyte concentration is less than the lower calibration range of the instrument but is at the method detection limit or greater than the method detection limit.
- H Sample and/or duplicate is below 5 X (times) the STL Reporting Limit and the absolute difference between the results exceeds the STL Reporting Limit.
- J1 A sample surrogate or an LCS target compound recovered above the upper control limit (UCL). Compounds qualified with a J1 may be biased high.
- J2 A sample surrogate or an LCS target compound recovered outside the lower control limit (LCL). Compounds qualified with a J2 may be biased low.
- M1 A matrix effect was present.
- M2 The MS and/or MSD %R or RPD was outside upper or lower control limits; not necessarily due to matrix effect.
- N/C Not Calculable; Sample spiked is > 4X spike concentration (may use this flag in place of negative numbers).
- R1 Internal standard area exceeds the acceptance criteria
- R2 Calibration verification exceeds the acceptance criteria.
- S1 The Method of Standard Additions (MSA) has been performed on this sample.
- T Second-column or detector confirmation exceeded the SW-846 criteria of 40% RPD for this compound.
- TIC The compound is not included in the initial calibration curve. It is searched for qualitatively or as a Tentatively Identified Compound.
- U or < The analyte was not detected at or above the MDL or the RL, whichever is entered next to the "U" or "<".
- W Post-digestion spike for Furnace AA is out of control limits (85-115%), while sample absorbance is less than 50% spike absorbance.

It is permissible to submit an Out-of-Control Events/Corrective Action form and/or Case Narrative in lieu of using above qualifiers.

When the laboratory receives a sample that does not meet EPA requirements for sample collection, preservation or holding time, the laboratory is required to reject the samples. The client must be notified and asked whether the lab should proceed with analysis. Data from any samples that do not meet sample acceptance criteria (collection, preservation and holding time), must be flagged, or noted on a corrective action form or case narrative, or addressed on the Project Sample Inspection Form (PSIF) in an unambiguous manner clearly defining the nature and substance of the variation. NPDES samples from North Carolina that do not meet EPA requirements for sample collection, preservation or holding time are non-reportable for NPDES compliance monitoring.

Abbreviations

- ND Not Detected at or above the STL Pensacola reporting limit (RL)
- NS Not Submitted
- NA Not Applicable
- MDL STL Pensacola Method Detection Limit
- RL STL Pensacola Reporting Limit
- NoMS Not enough sample provided to prepare and/or analyze a method-required matrix spike (MS) and/or duplicate (MSD)

Florida Projects Inorganic/Organic

Refer to FL DEP 62-160.700(7); Table 7 Data Qualifier Codes. FL DEP Rule 62-160.670(1)(h) states that laboratories shall include the analytical result for each analysis with applicable data qualifiers. FL DEP Rule 62-160.700(7), Table 7 lists the FL DEP data qualifiers. FL DEP Rule 62-160.700(3), Table 3 lists the Florida sites which require data qualifiers.

AFCEE QAPP Projects

Refer to AFCEE QAPP for appropriate data qualifiers (AFCEE QAPP Version will be specified by client for the project).

Arizona DEQ Projects

Any qualified data submitted to Arizona DEQ (ADEQ) after January 1, 2001 must be designated using the Arizona Data Qualifiers as developed by the Arizona ELAC technical subcommittee. Refer to the ADEQ qualifier list.

CLP and CLP-like Projects

Refer to referenced CLP Statement of Work (SOW) for explanation of data qualifiers. CLP SOW to be followed must be specified to client.

STL Pensacola PROJECT SAMPLE INSPECTION FORM

SEVERN
TRENT

STL

Lab Order #: C304424

Date Received: 4/18/03

- | | |
|---|---|
| <p>1. Was there a Chain of Custody? <input checked="" type="radio"/> Yes <input type="radio"/> No*</p> <p>2. Was Chain of Custody properly filled out and relinquished? <input checked="" type="radio"/> Yes <input type="radio"/> No*</p> <p>3. Were all samples properly labeled and identified? <input checked="" type="radio"/> Yes <input type="radio"/> No*</p> <p>4. Were samples received cold? <input checked="" type="radio"/> Yes <input type="radio"/> No* N/A
(Criteria: 2° - 6°C: STL-SOP 1055)</p> <p>5. Did samples require splitting or compositing? <input type="radio"/> Yes* <input checked="" type="radio"/> No</p> <p>6. Were samples received in proper containers for analysis requested? <input checked="" type="radio"/> Yes <input type="radio"/> No*</p> <p>7. Were all sample containers received intact? <input checked="" type="radio"/> Yes <input type="radio"/> No*</p> | <p>8. Were samples checked for preservative? (Check pH of all H₂O requiring preservative (STL-PN SOP 917) except VOA vials that require zero headspace)* <input type="radio"/> Yes <input type="radio"/> No* <input checked="" type="radio"/> N/A</p> <p>9. Is there sufficient volume for analysis requested? <input checked="" type="radio"/> Yes <input type="radio"/> No* N/A (Can)</p> <p>10. Were samples received within Holding Time? (REFER TO STL-SOP 1040) <input checked="" type="radio"/> Yes <input type="radio"/> No*</p> <p>11. Is Headspace visible > ¼" in diameter in VOA vials? * <input type="radio"/> Yes* <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>12. Were Trip Blanks Received? <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>13. If sent, were matrix spike bottles returned? <input type="radio"/> Yes <input type="radio"/> No* <input checked="" type="radio"/> N/A</p> <p>14. If sent, were T-Handles returned? <input type="radio"/> Yes <input type="radio"/> No* <input checked="" type="radio"/> N/A</p> <p>15. If any issues, how was PM notified? PSIF <input checked="" type="checkbox"/> Verbal <input type="checkbox"/></p> |
|---|---|

Airbill Number(s): 12878168 01 4438 8080

Shipped By: UPS FedX HD BUS ABX
(HD - Hand Delivery)

Cooler Numbers & Temp(s) (°C): Client 4°
(IE. 340L-4°C-CCK8 -- LIST THERMOMETER NUMBER FOR VERIFICATION)

Out of Control Events and Inspection Comments (list sample IDs/Tests where appropriate):

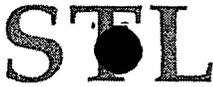
- 1-3. COC/Sample ID/COC discrepancy: The COC shows the Matrix as HQ but they are Solid Paint Chpts
4. Insufficient Ice Delay in delivery Other
5. Samples were Split Compositing Requested by: Client PM Other: _____
6. Improper Containers (ID/Size/desc): _____
7. Broken bottles/Test: _____
8. Incorrect pH: _____
9. Test/Matrix/Volume: _____
10. Out of Holding Time/Test: _____
11. VOA headspace > 1/4" (list size) _____
- List additional comments by above number: _____

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: MHS Date: 4/18/03

Logged By: [Signature] Date: 04/18/03

Out of Control Events and Inspection Comments on Comment Section of this form. For holding times, the analytical department will flag immediate hold time samples (pH, Dissolved O2, Residual Chlorine) for hold time violation. These samples will not be documented on this form.
If a sample is compositing or splitting, the compositing must be done in the Vial/Can. Comment: "Volatile sample values may be compromised due to sample splitting (compositing)".
If a sample is split, the split must be done in the Vial/Can. Comment: "Volatile sample values may be compromised due to sample splitting (compositing)".
If a sample is split, the split must be done in the Vial/Can. Comment: "Volatile sample values may be compromised due to sample splitting (compositing)".
If a sample is split, the split must be done in the Vial/Can. Comment: "Volatile sample values may be compromised due to sample splitting (compositing)".



STL PENSACOLA Certifications, Memberships & Affiliations

Alabama Department of Environmental Management, Laboratory ID No. 40150 (Drinking Water by Reciprocity with FL), expires 06/30/03

Arizona Department of Health Services, Lab ID No. AZ0589 (Hazardous Waste & Wastewater), expires 01/11/04

Arkansas Department of Pollution Control and Ecology, (No Laboratory ID No. assigned by state) (Environmental), expires 02/20/03

California Department of Health Services, **ELAP** Laboratory ID No. I-2510 (Hazardous Waste and Wastewater), expires 03/31/03

Connecticut Department of Health Services, Connecticut Lab Approval No. PH-0697 (D W, H W and Wastewater), expires 09/30/03

Florida DOH, **NELAP** Laboratory ID No. E81010 (Drinking Water, Hazardous Waste and Wastewater), expires 06/30/03

Florida DEP/DOH CompQAP # 980156

Iowa Department of Natural Resources, Laboratory ID No. 367 (UST), expires 08/01/04

Kansas Department of Health & Environment, **NELAP** Laboratory ID No. E10253 (Wastewater and Hazardous Waste), expires 10/31/03

Kentucky NR&EPC, Laboratory ID No. 90043 (Drinking Water), expires 12/31/03.

Louisiana DEQ, LELAP, **NELAP** Laboratory ID No. 02075, Agency Interest ID 30748 (Environmental, expires 6/30/03)

Maryland DH&MH Laboratory ID No. 233 (Drinking Water by Reciprocity with Florida), expires 09/30/03

Massachusetts DEP, Laboratory ID No. M-FL094 (Wastewater), expires 06/30/03

Michigan Bureau of E&Occh, Laboratory ID No.9912 (Drinking Water by Reciprocity with Florida), expires 06/30/03

New Hampshire DES ELAP, **NELAP** Laboratory ID No. 250502 (Drinking Water & Wastewater), expires 08/16/03

New Jersey DEP&E, **NELAP** Laboratory ID No. FL006 (Wastewater and Hazardous Waster), expires 06/30/03.

New York State Department of Health, **NELAP** Laboratory ID No. 11503 (WW and Solids/Hazardous Waste), expires 06/16/2003

North Carolina DENR, Laboratory ID No. 314 (Hazardous Waste and Wastewater), expires 12/31/03.

North Dakota DH&Consol Labs, Laboratory ID No. R-108 Wastewater and Hazardous Waste by Reciprocity with Florida), expires 06/30/03

Oklahoma Department of Environmental Quality, Laboratory ID No. 9810 (Hazardous Waste and Wastewater), expires 08/31/03

Pennsylvania Department of Environmental Resources, **NELAP** Laboratory ID No. 68-467 (Drinking Water & Wastewater), expires 12/01/03

South Carolina DH&EC, Laboratory ID No. 96026 (Wastewater & Solids/Hazardous Waste by Reciprocity with FL), expires 06/30/03

Tennessee Department of Health & Environment, Laboratory ID No. 02907 (Drinking Water), expires 08/03/04

Virginia Department of General Services, Laboratory ID No. 00008 (Drinking Water by Reciprocity with FL), expires 06/30/03.

Washington Department of Ecology, Laboratory ID No. C282 (Hazardous Waste and Wastewater), expires 09/14/03.

West Virginia DOE, Office of Water Resources, Laboratory ID No. 136 (Haz Waste and Wastewater), expires 04/30/02.

AIHA (American Industrial Hygiene Association) Accredited Laboratory, Laboratory ID No. 100704, expires April 1, 2004. Participant in AIHA sponsored Laboratory PAT Rounds

EPA ICR (Information Collection Rule) Approved Laboratory, Laboratory ID No. ICRFL031

NFESC (Naval Facilities Engineering Services Center), expires April 18, 2004/

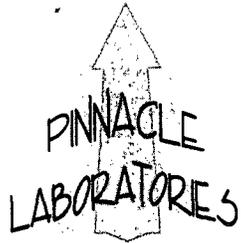
USACE (United States Army Corps. of Engineers), MRD, expires June 30, 2003.

STL Pensacola also has a foreign soil permit to accept soils from locations other than the continental United States. Permit No. S-37599

certlist\condcert.lst revised 2/25/03

Total Pages of Report

6



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

COPY

Bill N.M. Oil Conservation Division
 To: 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Date	Invoice
4/30'03	84904

Client #: 810-134

Project #: Araho Site

Original
 BALANCE DUE: 42.00

PO Number	Terms	Project
	Net 30	PIN ALB-810

Quantity	Description	Rate	Amount
1	Item-045 Lead: AA Method 7421 Non-Aq Item-0083 7-Day Turn Around Surcharge	28.00 50.00 %	28.00 14.00
Remit to: Pinnacle Laboratories, Inc. 2709-D Pan American Freeway NE Albuquerque, NM 87107			
Accession #: 304120 Authorized By: Martyne Kieling		TOTAL:	42.00

Kieling, Martyne

From: Johnson, Larry
Sent: Monday, October 06, 2003 11:11 AM
To: Kieling, Martyne
Subject: Araho Calf

Martyne,

I am curious as exactly when (date specific) and exactly where (site specific) the alleged event occurred. Who found the animal and where was it found. There are several things that are difficult to understand. As to the responsible party if the incident did occur on the Araho site is: Dorothy Runnels. 8100 W. Alabama in Hobbs 392-6223.

Larry

TEMPORARY GRANT OF EASEMENT

CITY OF LOVINGTON, P.O. Box 1269, Lovington, New Mexico, 88260 (hereinafter referred to as "City"), for consideration, grant to the NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES (hereinafter referred to as "EMNRD") and its OIL CONSERVATION DIVISION (hereinafter referred to as "Division"), their agents, employees and contractors, a temporary and limited easement in, to, upon and over all that portion of the following described real estate in Lea County, New Mexico, together with reasonable access thereto:

SURFACE ACCESS ONLY:

A tract of land containing 1 acre, more or less, and being a certain part of the southeast quarter (SE/4) of Section 1, Township 17 South (T. 17 S.), Range 36 East (R. 36 E.), N.M.P.M., Lea County, New Mexico, being more particularly described as follows:

Beginning at a point, the Northeast corner of this tract, from which the Southeast corner of the said Section 1 bears North 89°51' East, a distance of 461.4 feet, and South, a distance of 2291 feet; thence, South 89°51' West, a distance of 208.71 feet to the Northwest corner of this tract; thence, South, a distance of 208.71 feet to the Southwest corner of this tract; thence, North 89°51' East, a distance of 208.71 feet to the Southeast corner of this tract; thence, North, a distance of 208.71 feet to the point of beginning.

Subject to reservations, restrictions and easements appearing of record.

Access to said tract shall be by the route identified in Exhibit "A" attached here to and incorporated by reference.

Said easement is given for the purpose of conducting an investigation and remediation of contamination believed to exist at the site of the abandoned Araho, Inc. injection well facility located on the property described herein, which investigation may include drilling, constructing and maintaining upon the Property a monitor well or wells with which the Oil Conservation Division will use to assess and monitor contaminants believed to exist below the surface, routine visits to the Property, ingress and egress to the Property, sampling and inspecting the aforementioned monitor wells following initial construction, excavation of the property to investigate the nature and extent of contaminants believed to exist, excavation of the Property to remove any contamination found, and other activities inherent in the aforesaid investigation and remediation. Said easement shall terminate two years from the date signed unless terminated sooner by the Division's filing of a notice that it has concluded its investigation and remediation activities at the site. The City agrees not to unreasonably withhold an extension of this Easement if the Division files a notice that it has not concluded its investigation and remediation activities at the site.

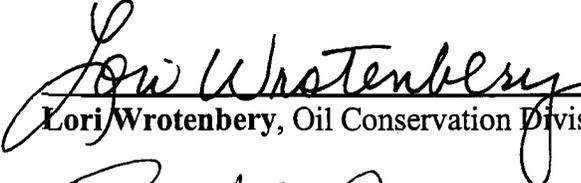
Exhibit B

ADDENDUM

The following term and conditions are made part of the Temporary Grant of Easement and are set forth for the purpose of protecting the City of Lovington's interests in this matter.

1. Regarding real property owned by the City, the Division will conduct no activity off of the Property without the express written consent of City.
2. The Division will not landfarm contaminated soil on the Property.
3. All activity undertaken by the Division will be at its own expense.
4. The Division will give the City 48 hours notice of all activities to be conducted on the Property.
5. Select City personnel and its agent(s) shall have unrestricted access to the Property, considering reasonable health and safety rules set forth by the Division.
6. The Division will contemporaneously copy all correspondence, reports, sampling results, and the like to the City.
7. Any fill material brought onto the Property by Division shall be not unlike background soils.
8. For the purposes set forth in the Easement, the Division agrees that Navajo Refining Company, including any parent or subsidiary, is not an agent, employee or contractor of the Division.
9. The Easement, Exhibit "A" and this Addendum are binding upon the Division, its agents, employees, and contractors and the Division agrees to provide each with a copy of same.

WITNESS my hand and seal this 2 day of September, 2003.

By: 
Lori Wrotenbery, Oil Conservation Division Director

By: 
Robert Castillo, Administrative Services Division Director

Exhibit B

ADDENDUM

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WITNESS my hand and seal this ___ day of _____, 2003.

By: 
Lori Wrottenbery, Oil Conservation Division Director

By: _____
Robert Castillo, Administrative Services Division Director

LAW OFFICES

HEIDEL, SAMBERSON, NEWELL, COX & McMAHON

C. GENE SAMBERSON
MICHAEL T. NEWELL
LEWIS C. COX, III
PATRICK B. McMAHON

311 NORTH FIRST STREET
POST OFFICE DRAWER 1599
LOVINGTON, NM 88260
TELEPHONE (505) 396-5303
FAX (505) 396-5305

F.L. HEIDEL
(1913-1985)

August 21, 2003

RECEIVED

AUG 26 2003

Oil Conservation Division

David Brooks, Esq.
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

Re: Araho, Inc. Scope of Work and Bid Request

Dear Mr. Brooks:

As per our conversation, please find enclosed a copy of the Temporary Grant of Easement and an original Addendum. The last sentence of the easement has been edited as you requested.

Please have Ms. Wrotenbery sign the Addendum and return to my office. Upon receipt, I will have Mayor Harris execute the Easement and then forward both originals to you.

If you have any questions, please do not hesitate to call.

Sincerely,

HEIDEL, SAMBERSON, NEWELL, COX & McMAHON

By: 
Patrick B. McMahon

PBM: hg
Enclosures
cc: Pat Wise

ADDENDUM

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9. The Easement, Exhibit "A" and this Addendum are binding upon the Division, its agents, employees, and contractors and the Division agrees to provide each with a copy of same.

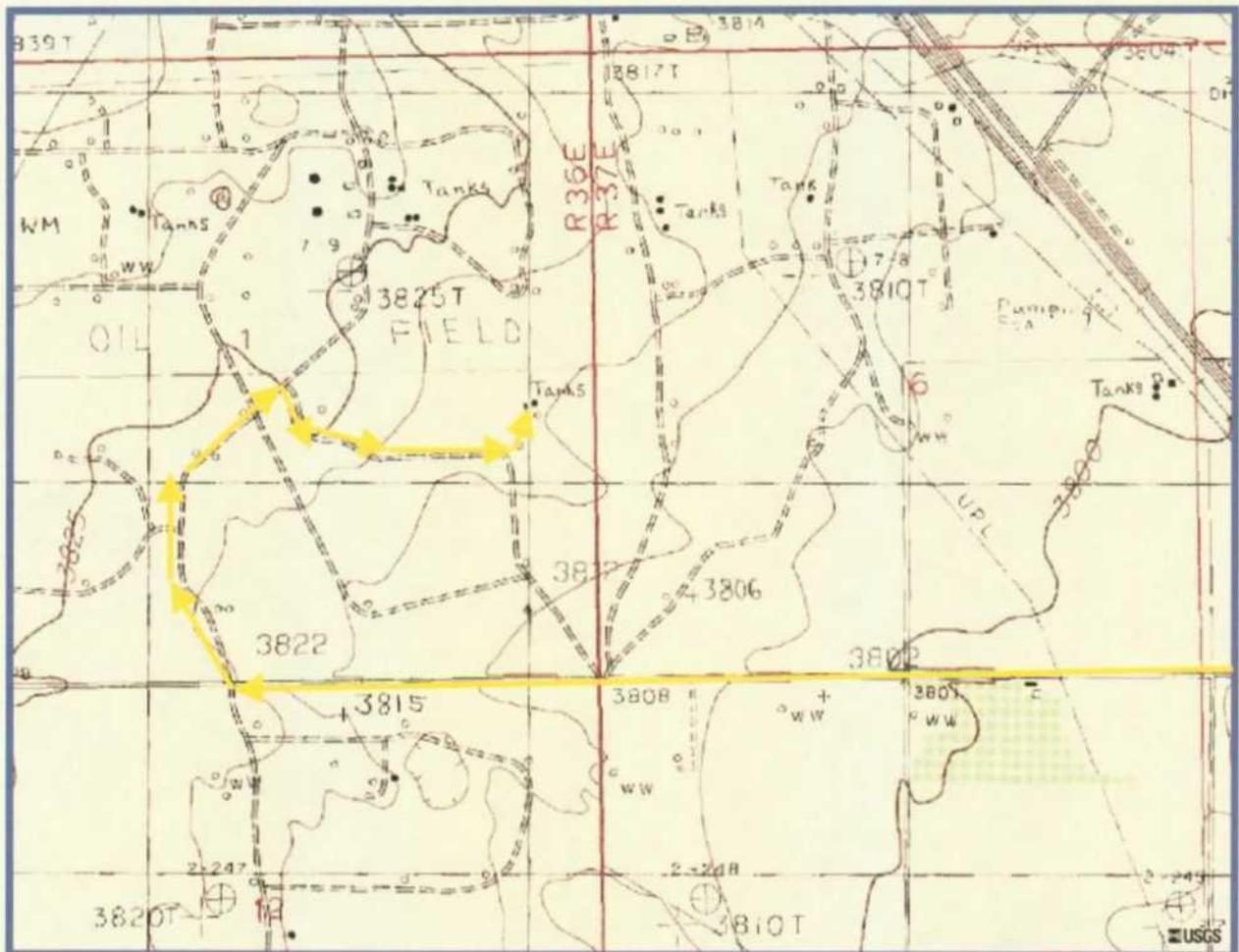
WITNESS my hand and seal this ____ day of _____, 2003.

By: _____
Lori Wrotenbery, Director

Exhibit A

Yellow arrows highlight the driving directions from the Hobbs-Lovington Highway. The route is long but a fence now blocks an old lease road that used to be the most direct route.

Map: 7.5 Topographic Lovington SE Quad.



LAW OFFICES

HEIDEL, SAMBERSON, NEWELL, COX & McMahon

C. GENE SAMBERSON
MICHAEL T. NEWELL
LEWIS C. COX, III
PATRICK B. McMahon

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LOVINGTON, NM 88260
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FAX (505) 396-5305

F.L. HEIDEL
(1913-1985)

RECEIVED

AUG 07 2003

OIL CONSERVATION
DIVISION

August 5, 2003

Martyne J. Kieling
The Energy, Minerals and Natural Resource
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Araho, Inc. Scope of Work and Bid Request

Dear Ms. Kieling,

As per the conversation between myself and you, Mr. Brooks and Mr. Anderson, I visited with the City Manager regarding the Addendum to the access agreement for the Araho site. It is my understanding that the OCD is not willing to agree to the Addendum given the language of paragraph seven. Paragraph seven states, "The Division and the City will mutually agree to the clean up standards of the soil and groundwater at or under the Property". According to Mr. Brooks, the OCD does not want to set a precedent of agreeing to clean up standards with surface owners. It is my understanding, based upon said conversation, that the OCD has not done so previously. If they have, please advise.

After discussion of this issue with my client, the City is willing to remove the objectionable language. Attached is an amended Addendum.

However, please be advised that by removing said language the City is in no way waiving any objection it may have to any and all clean up standards that the OCD proposes for the Araho site. The City reserves the right to review and comment upon any and all such clean up standards. The City fully intends to review clean up under the laws, ordinances and/or regulations that are in place at the time those standards are set.

In addition, to avoid confusion regarding the definition of "uncontaminated" fill material, as used in paragraph eight, and to be fair to the City and the OCD, I have changed that language. Paragraph eight now relates fill material to background soils. Please review this change as the new language was not discussed during our conversation.

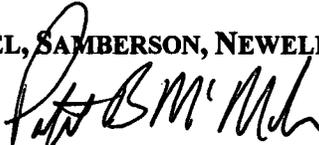
Letter to Martyne J. Kieling
OCD
August 5, 2003
Page two.

Please contact me upon your review.

Sincerely,

HEIDEL, SAMBERSON, NEWELL, COX & MCMAHON

By:


Patrick B. McMahon

PBM:cd

pc: Pat Wise, City Manager
CITY OF LOVINGTON

ADDENDUM

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WITNESS my hand and seal this ____ day of _____, 2003.

By: _____
Lori Wrotenberry, Director

LAW OFFICES

HEIDEL, SAMBERSON, NEWELL, COX & MCMAHON

C. GENE SAMBERSON
MICHAEL T. NEWELL
LEWIS C. COX, III
PATRICK B. MCMAHON

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LOVINGTON, NEW MEXICO 88260
TELEPHONE (505) 396-5303
FAX (505) 396-5305

F.L. HEIDEL
(1913-1985)

TELECOPY TRANSMITTAL SHEET

CONFIDENTIALITY NOTE

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED BELOW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS TELECOPY IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS TELECOPY IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ADDRESS SET FORTH ABOVE VIA THE UNITED STATES POSTAL SERVICE.

DATE: August 1, 2003

TIME: 4:00pm

TO: Martyne J. Kieling
OCD

(505) 476-3462

Re: Araho, Inc. Scope of Work and Bid Request

YOU SHOULD RECEIVE 4 PAGE(S) OF COPY, INCLUDING THIS COVER PAGE. PLEASE NOTIFY US IMMEDIATELY AT (505) 396-5303 IF NOT RECEIVED PROPERLY.

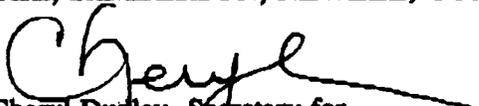
- FOR YOUR INFORMATION/RECORDS
- AS WAS DISCUSSED
- FOR YOUR REVIEW
- PER YOUR REQUEST
- FOR YOUR COMMENTS
- PLEASE CALL ABOUT THIS

If you have any questions, please do not hesitate to call.

IF CHECKED ORIGINAL WILL BE FORWARDED TO YOU BY:
 FEDERAL EXPRESS REGULAR MAIL

THANK YOU,

HEIDEL, SAMBERSON, NEWELL, COX & MCMAHON


By: Cheryl Dudley, Secretary for,
Patrick B. McMahon

*LAW OFFICES***HEIDEL, SAMBERSON, NEWELL, COX & McMahon**

C. GENE SAMBERSON
MICHAEL T. NEWELL
LEWIS C. COX, III
PATRICK B. McMahon

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FAX (505) 396-5305

F.L. HEIDEL
(1913-1985)

August 1, 2003

Martyne J. Keeling
The Energy, Minerals and Natural Resource
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Araho, Inc. Scope of Work and Bid Request

Dear Ms. Keeling,

As per our conversation, please find attached the amended Addendum. Previously, the OCD had concerns regarding item numbers 1, 2, 5, 6, 7 and 8 of the Addendum. I have modified item numbers 1, 5 and 6 to suit your requests.

The City is not willing to amend item numbers 2, 7 and 8 for the following reasons. First, the City's grant to Araho does not give them the right to remediate soils on site. Whether its referred to as "land farming", "composting" or otherwise, the OCD has no right to undertake this activity on site. The protection of the public water source outweighs any additional costs for offsite remediation.

Second, on numerous of occasions, OCD has worked with oil companies to arrive at mutually acceptable cleanup standards. These cleanup standards, for various reasons, have deviated from OCD's Guidelines. The City is aware of instances where the OCD has implemented clean up standards that were below those set forth in the Guidelines, as well as, some that were above. If you would like specific examples of OCD and oil company cooperation, I will provide same. The City sees no reason why the OCD cannot undertake similar efforts in the Araho matter. In addition, under NMSA Section 3-27-3, the City has authority to regulate activities in its well field for the protection of the public water source.

Lastly, the City is not willing to allow contaminated dirt to be used as backfill. The term suggested by OCD, "commercially available clean fill", could include soils with THP levels above background. The City did not grant Araho the right to use contaminated soil to backfill excavations at the site.

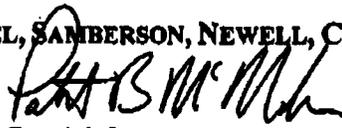
Letter to Martyne Keeling
OCD
August 1, 2003
Page two.

Please consider that the City is not trying to increase any costs to OCD. In fact, the City has not asked for any monetary compensation for this Access Agreement. The City's primary concern is the protection of the public water source.

Sincerely,

HEIDEL, SAMBERSON, NEWELL, COX & MCMAHON

By:



Patrick B. McMahon

PBM:cd
Enclosure
pc w/encl:

Pat Wise, City Manager
CITY OF LOVINGTON

ADDENDUM

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- 6. The Division will contemporaneously copy all correspondence, reports, sampling results, and the like to the City.
- 7. The Division and the City will mutually agree to the clean up standards of the soil and groundwater at or under the Property.
- 8. Any fill material brought onto the Property by Division shall be uncontaminated. *Background*
- 9. For the purposes set forth in the Easement, the Division agrees that Navajo Refining Company, including any parent or subsidiary, is not an agent, employee or contractor of the Division.
- 10. The Easement, Exhibit "A" and this Addendum are binding upon the Division, its agents, employees, and contractors and the Division agrees to provide each with a copy of same.

WITNESS my hand and seal this ____ day of _____, 2003.

By: _____
Lori Wrotenberry, Director

1 OK
 # 2 OK 20 →
 # 3 OK Future 700
 # 4 OK Oil Piers 6/65
 Good L
 # 5 OK Crawler 20
 # 6 OK Amboss 30
 # 7 0 ? Prox
 # 8 ~~OK~~ OK
 # 9 OK Sample For
 Full TCLP
 # 10 OK General Chem
 Soil
 one composite.
 \$6,000
 \$1,000
 \$100,000

TRANSACTION REPORT

P. 01

AUG-01-2003 FRI 04:11 PM

FOR:

RECEIVE

DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DP
AUG-01	04:04 PM	505 396 5310	6' 39"	4	RECEIVE	OK		

LAW OFFICES

HEIDEL, SAMBERSON, NEWELL, COX & MCMAHON

C. GENE SAMBERSON
MICHAEL T. NEWELL
LEWIS C. COX, III
PATRICK B. MCMAHON

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TELEPHONE (505) 396-5303
FAX (505) 396-5305

F.L. HEIDEL
(1913-1985)

TELECOPY TRANSMITTAL SHEET

CONFIDENTIALITY NOTE

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS LEGALLY PRIVILEGED AND CONFIDENTIAL. INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED BELOW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS TELECOPY IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS TELECOPY IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ADDRESS SET FORTH ABOVE VIA THE UNITED STATES POSTAL SERVICE.

DATE: June 16, 2003

TIME: 9:23AM

TO: **Martyne Kieling**
NMOCD (505) 476-3462

Re: **City of Lovington, New Mexico**

YOU SHOULD RECEIVE 5 PAGE(S) OF COPY, INCLUDING THIS COVER PAGE. PLEASE NOTIFY US IMMEDIATELY AT (505) 396-5303 IF NOT RECEIVED PROPERLY.

- FOR YOUR INFORMATION/RECORDS
- AS WAS DISCUSSED
- FOR YOUR REVIEW
- PER YOUR REQUEST
- FOR YOUR COMMENTS
- PLEASE CALL ABOUT THIS

Dear Ms. Kieling,

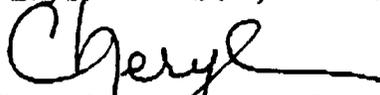
The enclosed was also e-mailed to you.

If you have any questions and/or comments, please do not hesitate to call.

IF CHECKED ORIGINAL WILL BE FORWARDED TO YOU BY:
 FEDERAL EXPRESS REGULAR MAIL

THANK YOU,

HEIDEL, SAMBERSON, NEWELL, COX & MCMAHON


By: Cheryl Dudley, Secretary for,
Patrick B. McMahon

TEMPORARY GRANT OF EASEMENT

CITY OF LOVINGTON, P.O. Box 1269, Lovington New Mexico, 88260 (hereinafter referred to as "City"), for consideration, grants to the NEW MEXICO ENERGY, MINERAL AND NATURAL RESOURCES (hereinafter referred to as "EMNRD"), and its OIL CONSERVATION DIVISION (hereinafter referred to as "Division"), their agents, employees and contractors, a temporary and limited easement in, to, upon and over all that portion of the following described real estate in Lea County, New Mexico (hereinafter referred to as "the Property"), together with reasonable access thereto:

SURFACE ACCESS ONLY:

A tract of land containing 1 acre, more or less, and being a certain part of the southeast quarter (SE/4) of Section 1, Township 17 South (T. 17 S.), Range 36 East (R. 36 E.), N.M.P.M., Lea County, New Mexico, being more particularly described as follows:

Beginning at a point, the Northeast corner of this tract, from which the Southeast corner of the said Section 1 bears North 89°51' East, a distance of 461.4 feet, and South, a distance of 2291 feet; thence, South 89°51' West, a distance of 208.71 feet to the Northwest corner of this tract; thence, South, a distance of 208.71 feet to the Southwest corner of this tract; thence, North 89°51' East, a distance of 208.71 feet to the Southeast corner of this tract; thence, North, a distance of 208.71 feet to the point of beginning.

Subject to reservations, restrictions and easements appearing of record.

Access to said tract shall be by the route identified in Exhibit "A" attached hereto and incorporated by reference.

Said easement is given for the purpose of conducting an investigation and remediation of contamination believed to exist at the site of the abandoned Araho, Inc. injection well facility located on the Property described herein, which investigation may include drilling, constructing and maintaining upon the Property a monitor well or wells with which the Oil Conservation Division will use to assess and monitor contaminants believed to exist below the surface, routine visits to the Property, ingress and egress to the Property sampling and inspecting the aforementioned monitor wells following initial construction, excavation of the Property to investigate the nature and extent of contaminants believed to exist, excavation of the Property to remove any contamination found, and other activities inherent in the aforesaid investigation and remediation. Said easement shall terminate two years from the date signed unless terminated sooner by the Division's filing of a notice that it has concluded its investigation and remediation activities at the site. The City agrees not to unreasonably withhold an extension of this Easement when the Division files a notice that it has concluded its investigation and remediation activities at the site.

This Easement is contingent upon the Division's acceptance of the terms and conditions set forth in the Addendum attached hereto as Exhibit "B" and incorporated by reference.

WITNESS my hand and seal this _____ day of _____, 2003.

CITY OF LOVINGTON
Lea County, New Mexico

By: _____
Troy J. Harris, Mayor

ATTEST:

By: _____
Rhonda Jones, City Clerk

Yellow arrows highlight the driving directions from the Hobbs - Lovington Highway. The route is long but a fence now blocks an old lease road that used to be the most direct route.

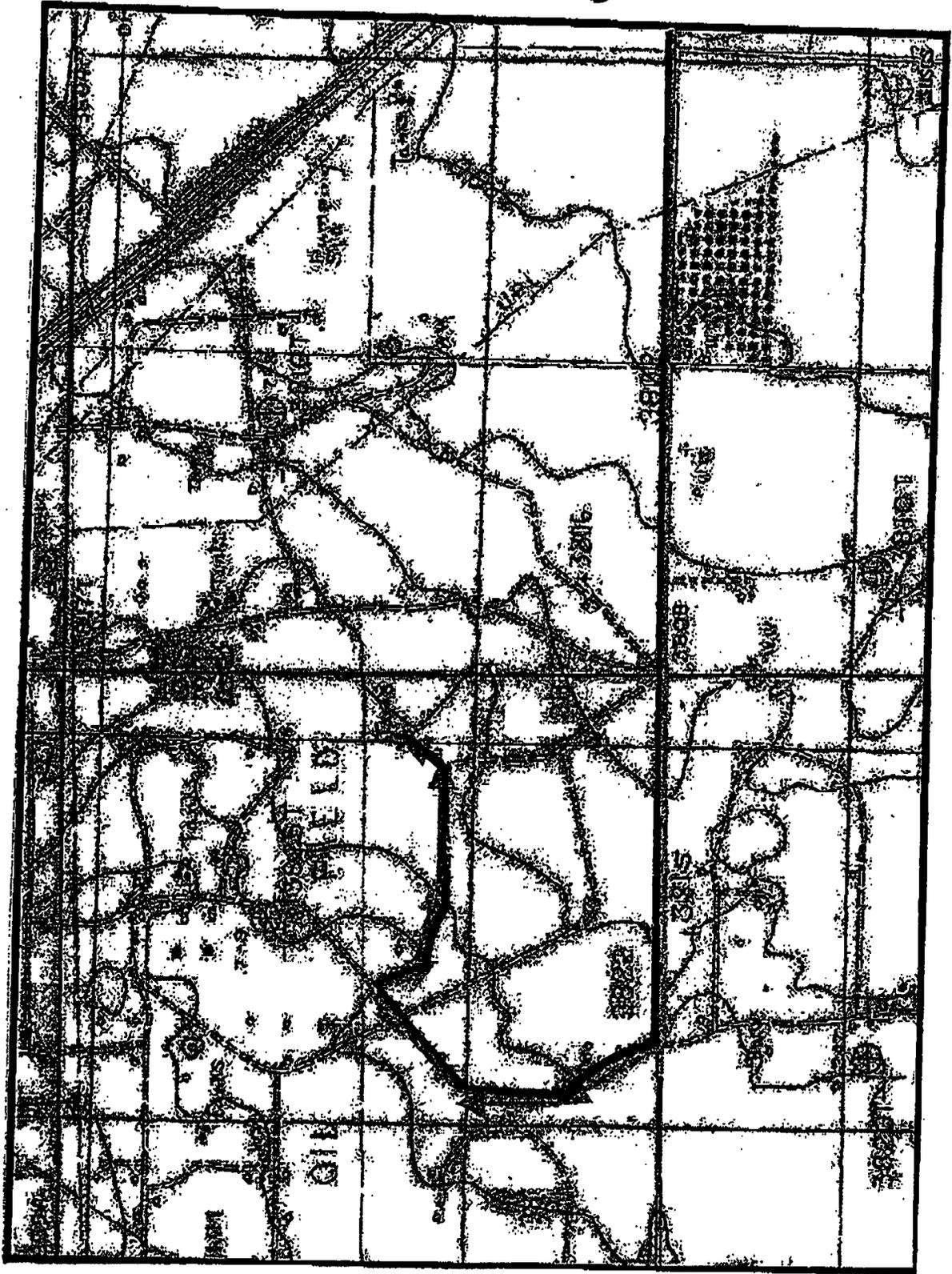


EXHIBIT
A

ADDENDUM

The following term and conditions are made part of the Temporary Grant of Easement and are set forth for the purpose of protecting the City of Lovington's interests in this matter.

- 1. The Division will conduct no activity off of the Property without the express written consent of City.
- 2. The Division will not landfarm contaminated soil on the Property. *- wanting to compost at site.*
- 3. All activity undertaken by the Division will be at its own expense.
- 4. The Division will give the City 48 hours notice of all activities to be conducted on the Property.
- 5. Select City personnel and its agent(s) shall have unrestricted access to the Property, considering reasonable health and safety rules set forth by the Division. *Subject to . . .*
- 6. The Division will contemporaneously copy all correspondence, reports, e-mails, memos, sampling results, and the like to the City.
- 7. The Division and the City will mutually agree to the clean up standards of the soil and groundwater at or under the Property. *Consult on cleanup levels.*
- 8. *Community Available* Any fill material brought onto the Property by Division shall be uncontaminated.
- 9. For the purposes set forth in the Easement, the Division agrees that Navajo Refining Company, including any parent or subsidiary, is not an agent, employee or contractor of the Division.
- 10. The Easement, Exhibit "A" and this Addendum are binding upon the Division, its agents, employees, and contractors and the Division agrees to provide each with a copy of same.

WITNESS my hand and seal this ____ day of June, 2003.

By: _____
Lori Wrotenberry, Director



ADDENDUM

The following term and conditions are made part of the Temporary Grant of Easement and are set forth for the purpose of protecting the City of Lovington's interests in this matter.

1. The Division will conduct no activity off of the Property without the express written consent of City.
2. The Division will not landfarm contaminated soil on the Property.
3. All activity undertaken by the Division will be at its own expense.
4. The Division will give the City 48 hours notice of all activities to be conducted on the Property.
5. Select City personnel and its agent(s) shall have unrestricted access to the Property, considering reasonable health and safety rules set forth by the Division.
6. The Division will contemporaneously copy all correspondence, reports, e-mails, memos, sampling results, and the like to the City.
7. The Division and the City will mutually agree to the clean up standards of the soil and groundwater at or under the Property.
8. Any fill material brought onto the Property by Division shall be uncontaminated.
9. For the purposes set forth in the Easement, the Division agrees that Navajo Refining Company, including any parent or subsidiary, is not an agent, employee or contractor of the Division.
10. The Easement, Exhibit "A" and this Addendum are binding upon the Division, its agents, employees, and contractors and the Division agrees to provide each with a copy of same.

WITNESS my hand and seal this ____ day of June, 2003.

By:

Lori Wrotenberry, Director

CONTROLLED RECOVERY, INC.

P.O. Box 388 • Hobbs, New Mexico 88241-0388
(505) 393-1079

WASTE TICKET
"AT COST"
MISC TRASH

Bill to _____

Address _____

Company/Generator OCD

Lease Name Arabo SWD

Trucking Company Diamondback Vehicle Number 503 Driver (Print) M. K. Jennings

Date 11 6 03 Time 1130 a.m. / p.m.

Type of Material

- Exempt
- Tank Bottoms
- Fluids
- Non-Exempt
- C117 _____
- Other Material
- C138 _____
- Soils
- List Description Below

DESCRIPTION

OCD
★ certificate of waste status
Below grade
pipe + assorted trash from
pipe + tank removal

Volume of Material Bbls. Yard 10 Gallons

Wash Out Call Out After Hours Debris Charge

This statement applicable to exempt waste only.
I represent and warrant that the wastes are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recover Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt wastes.

Agent _____
(Signature)

CRI Representative _____
(Signature)

TANK BOTTOMS

	Feet	Inches	BBLS Received	BS&W	%
1st Gauge					
2nd Gauge			Free Water		
Received			Total Received		

NO 49737

White - CRI

Canary - CRI Accounting

Pink - CRI Pilot

Gold - Transporter

SUPERIOR FERTILIZER SERVICE, INC.

1. job TRASH Per Steve

WASTE TICKET
"AT COST"
Misc TRASH

P2PPE CAMINO REAL ENVIRONMENTAL CENTER F

1000 Camino Real Boulevard
Sunland Park, NM 88063
(505) 589-9440

Bill Acct: ERHINO ENVIRONMF Haul Acct: RHINO ENVIRONM Ticket#:E523829F
E00-0000628F 00-0000628

Vehicle# : 003 PO# : ---In--- ---Out---
TT = 200-Commercial Date 10/28/03 10/28/03
PT = 1-Charge Check # : Time 14:28 14:28

M -1E Material Types Rate/UM Vol/QY lbs Tax Tip
Tot -0F
MT = 30-Commercial 5 0 \$0.00

E Tip Amt @
ESpec Amt
EAmt Tend
EExchange 0.00F
EAmount
VOL/QY/CYD = 5.00

Driver: [Signature] Weighmaster: -1FRANCISCO CELIS -0

PPE F
PNEW HRS. MON. - FRI. 7AM-4PM
1-CELL 7

WASTE TICKET
"AT COST"
Misc. TRASH

P2PPE CAMINO REAL ENVIRONMENTAL CENTER F

1000 Camino Real Boulevard
Sunland Park, NM 88063
(505) 589-9440

Bill Acct: ERHINO ENVIRONMF Haul Acct: RHINO ENVIRONM Ticket#:E526035F
E00-0000628F 00-0000628

Vehicle# : PO# : ---In--- ---Out---
TT = 200-Commercial Date 11/06/03 11/06/03
PT = 1-Charge Check # : Time 14:33 14:33

M -1E Material Types Rate/UM Vol/QY lbs Tax Tip
Tot -0F
MT = 30-Commercial 14 0 \$0.00

E Tip Amt @
ESpec Amt 0.00 F
EAmt Tend
EExchange 0.00F
EAmount
VOL/QY/CYD = 14.00

Driver: [Signature] Weighmaster: -1FRANCISCO CELIS -0

PPE F
PNEW HRS. MON. - FRI. 7AM-4PM
1-CELL 7

FROM : CHAPARRAL SERVICE INC

PHONE NO. : 505 394 2426

Oct. 28 2003 11:38AM P3

Chaparral Service, Inc.



INVOICE

INVOICE NO: 0123832-IN

Levis
631-8126

P.O. DRAWER 1789 • WEST TEXAS AVE.
OFFICE PHONE (505) 394-2545
HOBBS PHONE (505) 397-3044
JAL YARD (505) 395-2010
EUNICE, NEW MEXICO 88231

BILL TO: RHINO ENVIRONMENTAL
P.O. BOX 57180
ALBUQUERQUE NM 87187

WO#:
AFE:
LEASE: ARAHO DISPOSAL
WELL:

Customer No.	Terms	Date	
R022	NET 30	10/22/03	
Quantity of Hrs/BSLS	Description	Unit Price	Extended Price
10.00	VACUUM TRUCK W/OPERATOR - 674		
10.00	VACUUM TRUCK W/OPERATOR - 671		
17.00	TRANSPORT W/OPERATOR - 247	65.00	1,105.00
520.00	FRESH WATER	.50	260.00
1.00	FUEL SURCHARGE	125.25	125.25
	W/O #11242-13221-11489		1,490.25

10-16-03

✓

<p>SUB TOTAL 2,890.25</p> <p>TAX</p> <p>NONTAX .00</p> <p>TOTAL</p>	
Customer Signature	Date

FROM : CHAPARRAL SERVICE INC

PHONE NO. : 505 394 2426

Oct. 28 2003 11:39AM P4

Chaparral Service, Inc.



INVOICE

INVOICE NO:
0129865-IN

At Cost

P.O. DRAWER 1769 • WEST TEXAS AVE.
OFFICE PHONE (505) 394-2545
HOBBS PHONE (505) 397-3044
JAL YARD (505) 395-2010
EUNICE, NEW MEXICO 88231

BILL TO: RHINO ENVIRONMENTAL
P.O. BOX 57180
ALBUQUERQUE NM 87187

WO#: _____
AFE: _____
LEASE: ARAHO DISPOSAL
WELL: _____

Customer No.	Terms	Date
R022	NET 30	10/22/03

Quantity of Hrs./BBLs	Description	Unit Price	Extended Price
12.00	VACUUM TRUCK W/OPERATOR - 674 ✓		
12.00	VACUUM TRUCK W/OPERATOR - 671 ✓		
1.00	FUEL SURCHARGE		
	W/O #11245-13222		
	<i>Work Done 10-17-03</i>		

	SUB TOTAL
	TAX
	NON TAX
	TOTAL

Customer Signature _____

Date _____

FROM : CHAPARRAL SERVICE INC

PHONE NO. : 505 394 2426

Oct. 28 2003 11:39AM P5

Chaparral Service, Inc.



INVOICE

INVOICE NO:
0123909-IN

P.O. DRAWER 1789 • WEST TEXAS AVE
OFFICE PHONE (505) 394-2845
HOBBS PHONE (505) 397-3044
JAL YARD (505) 395-2010
EUNICE, NEW MEXICO 88231

*FRESH AIR/ SAFETY TRAILER
AT COST
CONTRACT LINE
ITEM 0605*

BILL TO: RHINO ENVIRONMENTAL
P.O. BOX 57180
ALBUQUERQUE NM 87187

WO#: _____
AFE: _____
LEASE: ARAHO DISPOSAL FACILITY
WELL: _____

Customer No.	Terms	Date	
R022	NET 30	10/23/03	
Quantity of Hrs./BBLs	Description	Unit Price	Extended Price
1.00	10/15/03 #2547 ✓ FRESH AIR TRAILER		
10.00	10/16/03 #2548 ✓ SAFETY SUPERVISOR W/VEHICLE		
1.00	THREE WAY MONITOR		
1.00	FRESH AIR TRAILER		
1.00	FUEL SURCHARGE		
5.00	10/17/03 #2549 ✓ SAFETY SUPERVISOR W/VEHICLE		
1.00	THREE WAY MONITOR		
1.00	FRESH AIR TRAILER		
1.00	FUEL SURCHARGE		
1.00	10/20/03 #2551 ✓ FRESH AIR TRAILER		
10.00	10/21/03 #2552 ✓ SAFETY SUPERVISOR W/VEHICLE		
1.00	THREE WAY MONITOR		
1.00	FRESH AIR TRAILER		
1.00	FUEL SURCHARGE		
15.00	10/21/03 #11253 VACUUM TRUCK W/OPERATOR - 674 ✓		
1.00	FUEL SURCHARGE		
12.00	10/21/03 #13231 VACUUM TRUCK W/OPERATOR - 671 ✓		
1.00	FUEL SURCHARGE		

vac Tr 1984.5

SUB TOTAL 5 days
TAX \$300 pending
NONTAX
TOTAL \$1500 ✓

Customer Signature _____

Date _____

3422.15
 Fresh water
 Chaparral Invoice

1,105
 260
 125.25
1490.25 ✓

+ m&s Trucking
 682.40 ✓

+ Pate truckin
 1249.50 ✓

\$ 3422.15 ✓ ~~Billed on~~

4,500.00 6 days at 750
 Vacuum Truck Jet

Chaparral
 15th 4.15
 16th 2.
 17th 2.4
 21st 2.7

Pate 21st 11.25 days \approx 11.75 days
 .5
 Billed For 6 days only

\$ 2451.25 26.5 Hours
 Hot oil Truck at 92.00

Pate 8
 11
 7
26

Radiation Safety NORM

147.94
 242.81
390.75 ✓ on

41.5 chaparral	4.15 Days	15 th	3112.5
20 chaparral	2 days	16 th	1500.00
26 th chaparral	2.4 days	17 th	1800.00
27 chaparral	2.7 days	21 st	2025
8 Pate ?	.8 days	20 th	600
11 Pate ?	1.1 days	20 th	825
X2 Pate Hobbit	1.2 days		375
5 Vacuum	.5		900
			<u>10762.5</u>

S.C.C. 35434
ICC MC # 259649

TRANSPORTS
FRAC TANKS
VAC TRUCKS

PATE TRUCKING CO.
P.O. BOX 2739, HOBBS, N.M. 88241

PHONE (505) 397-6264

B
L
L
E
T

Rhino Environmental

CONTRACT NUMBER		FUEL ORDER NUMBER	79390
A.F.E. NUMBER		DATE	10-20-03
H.O. OR PURCHASE ORDER NUMBER		ORDERED BY	STEVE DYER

DELIVERED FROM	<i>Grimes water station</i>	TO	<i>Hot site</i>	WELL OR RIG NO	
LOCATION	<i>Crab</i>	TRUCK OR UNIT NO	73	CAPACITY	130
AMOUNT MAILED	<i>260</i>	TIME OUT	8:30	AM	TIME IN
					4:30
				PM	AM
					HOURS CHGD
					8 hrs transport
					DELIVERED BY

DESCRIPTION	HR.	BBL	RATE	AMOUNT
<i>Rinsed out unit 73. Loaded</i>	<i>8</i>	<input checked="" type="checkbox"/> Hrs		
<i>120 Bbls. of fresh water and took</i>	<i>260</i>	<input checked="" type="checkbox"/> bbls		
<i>to location. Went to T&V for a</i>		<input type="checkbox"/> SKCL		
<i>second load.</i>		<input type="checkbox"/> Disp		
		<input type="checkbox"/> Disp		
		<input type="checkbox"/> Other		

TOP GAUGE	BOTTOM GAUGE	SET DATE	RELEASE DATE	TAX	NET TOTAL

HIGHWAY MILES	TERMS.	AUTHORIZED BY:	Thank You
LOADED		<i>Cathy [Signature]</i>	
UNLOADED			

S C C. 35434
ICC MC # 259649

TRANSPORTS
FRAC TANKS
VAC TRUCKS

PATE TRUCKING CO.
P.O. BOX 2739, HOBBS, N.M. 88241

PHONE (505) 397-6264

Contract <i>Rhino Environmental</i>	CONTRACT NUMBER	FIELD ORDER NUMBER No 79741
	A.F.E. NUMBER	DATE 10-22-03
	REG. OR PURCHASE ORDER NUMBER	ORDERED BY STEVE DYER

DELIVERED FROM	TO	WFLS OR HQ NO.
LOCATION	<i>Arabo SWD</i>	

TRUCK OR UNIT NO. <i>27</i>	CAPACITY <i>75</i>	AMOUNT HAULED	TIME OUT <i>6:30</i> AM/PM	TIME IN <i>5:30</i> AM/PM	HOURS CHG. <i>11</i>	DELIVERED BY <i>H/O</i>
-----------------------------	--------------------	---------------	----------------------------	---------------------------	----------------------	-------------------------

DESCRIPTION	HR.	BBL.	RATE	AMOUNT
<i>Drove to Loc. Jet out tanks w/ hot water. Put remaining water on ground to control dust.</i>	<i>11</i> ✓	Hrs.		
		bbls		
		#KCL		
		Disp		
		Disp		
	Other			

TOP GAUGE	BOTTOM GAUGE	SET DATE	RELEASE DATE	TAX
HIGHWAY MILES				NET TOTAL
LOADED	UNLOADED	TERMS:		

AUTHORIZED BY:

OPERATOR OR DRIVER
[Signature]

Thank You

x

✓

S.C.C. 35434
ICC MC # 259649

TRANSPORTS
FRAC TANKS
VAC TRUCKS

PATE TRUCKING CO.
P.O. BOX 2739, HOBBS, N.M. 88241

PHONE (505) 397-6264

RHINO Environmental

CONTRACT NUMBER

ORDER NUMBER **No 79567**

A.F.C. NUMBER

DATE **10-21-03**

INFO. ON BACK OF ORDER NUMBER

ORDERED BY **Steve Olex**

DELIVERED FROM

Pat Water Station

TO

Sundance

LOCATION

Araho SWD

WELL OR FIG. NO.

TRUCK OR UNIT NO.

59

CAPACITY

130

AMOUNT HAILED

240

TIME OUT

6:00

AM

TIME IN

12:00

PM

HOURS CHGD

12:00

DELIVERED BY

VT

DESCRIPTION

HR. BBL

RATE

AMOUNT

Hauled 130 BBLs of BW and unloaded into unit #27 and stand-by got 2 load of solids and hauled to Sundance and stand-by to get out there was 2 truck on line to get out.

12 Hrs.

130 BBLs

#KCL

Disp

240 solids

Disp

Get Out

Other

TOP GAUGE

BOTTOM GAUGE

SET DATE

RELEASE DATE

HIGHWAY MILES

LOADED

UNLOADED

TERMS:

TAX

NET TOTAL

AUTHORIZED BY:

OPERATOR OR DRIVER

Abraham Vancott x

Thank You

6-1 PM

Transport brine water for hot oiler ✓ ✓

1-6 PM

Vac Truck transporting waste to Sundance

PHONE (505) 392-6785

HC 7B-BOX 73

LOVINGTON, NEW MEXICO 88260

Maid Service

NO 40691

Date: 11-03-54

Truck No. PL-1

Company: [Handwritten]

Purchase Order No. [Handwritten]

Base: [Handwritten]

Time Out

A.M. P.M.

Time In

A.M. P.M.

TIME HOURS

RATE

AMOUNT

Brine Water

Fresh Water

Bbls. Hauled

Operator

Description of Work:

3000' of 1 3/4" IPS of
slids from TAIL and TOOTH TO
sliders and special and to TID OUT

30

100.00

Sub Total

State Tax

Authorized By:

TOTAL



INVOICE

PATE TRUCKING CO., INC.

PO BOX 2739 - MOSES, NM 88241-2739
 TELEPHONE (505) 397-6264

INVOICE NUMBER: 45609

INVOICE DATE: 10/28/03

Voice: 505-397-9353
 Fax: 505-397-2397



RHINO ENVIRONMENTAL SERV.
 P O BOX 57180
 ALBUQUERQUE, NM 87187-7180
 USA



81024

Net 30 Days

1



QUANTITY	UNIT NUMBER	DESCRIPTION	PRICE	EXTENSION
02		WELL-ARAGE SWD		
02		CO. MAN-STEVE DZER		
1		WK TKT:79567		
12.00	815	TRANS/VAC W/DRIVER #59	69.00	828.00
130.00	101	HAUL BRINE WATER	0.75	97.50
1.00	310	SET OUT FEE	60.00	60.00
1		WK TKT:79390		
8.00	506	TRANS-VAC W/DRIVER - #73	64.00	512.00
260.00	100	HAUL FRESH WATER	0.40	104.00
1		WK TKT:79741		
11.00	604	HOT OIL UNIT W/DRIVER - #27		

10/21 Transport 7hrs @ 68 = 476
 10/20 Transport 8hrs @ 67 = 512
 Brine H₂O 97.50
 Set Out Fee 60.00
 Fresh Water 104.00
 } 1249.50 ✓

Subtotal 2,469.50
 Sales Tax 151.26

TOTAL \$2,620.76

Thank You For Your Business



Safety & Environmental Solutions, Inc.

P. O. Box 1613
Hobbs, New Mexico 88241

Invoice

DATE	INVOICE #
10/8/2003	6386

BILL TO
Inter. Joe Tracey One Park Square 6501 Americas Parkway NE, Ste. 820 Albuquerque, NM 87110

*Norm Survey
At Cost*

PROJECT	P.O. NO.	TERMS
INT03001 Norm Survey		Net 30

QUANTITY	DESCRIPTION	RATE	AMOUNT
1	Radiation Safety Officer	75.00	75.00T
1	NORM Meter	50.00	50.00T
24	Mileage	0.60	14.40T
	Subtotal		139.40
	Hobbs Gross Receipts Tax	6.125%	8.54
<p><i>OK JH JF</i></p> <p><i>NMO - ARA - 01 - 02</i></p>		<p><i>MINUS TAX</i></p>	
Total			\$147.94

LM



Safety & Environmental Solutions, Inc.

P. O. Box 1613
Hobbs, New Mexico 88241

Invoice

DATE	INVOICE #
10/22/2003	6389

BILL TO
Intera Joe Tracey One Park Square 6501 Americas Parkway NE, Ste. 820 Albuquerque, NM 87110

*Norm Survey
"A Cost"*

PROJECT		P.O. NO.	TERMS
INT03001 Norm Survey			Net 30
QUANTITY	DESCRIPTION	RATE	AMOUNT
2	Radiation Safety Officer	75.00	150.00T
1	Survey Meter	50.00	50.00T
48	Mileage	0.60	28.80T
	Subtotal		228.80
	Hobbs Gross Receipts Tax	6.125%	14.01
OK 7175 Minus Tax N140 - ARA - 01 - 02			
Total			\$242.81

OK



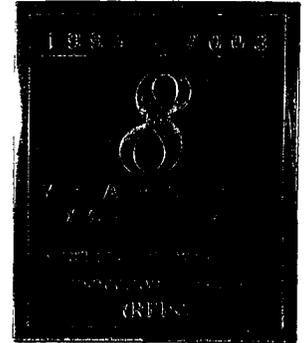
RHOADES ENVIRONMENTAL

Invoice

Date	Invoice #
10/27/2003	2003-05

Bill To
Intera Attn.: Mr. Joseph Tracy 6501 Americas Parkway NE - Suite 820 Albuquerque, New Mexico 87110 (505) 246-1600 ext. 219

*CONTRACT
LINE ITEM
0012*



P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
6	CGI GAS MONITOR RENTAL FOR THE NM OCD ARAHO FACILITY, LOVINGTON, NEW MEXICO Intera Project No.: NMO-ARA-01-03 Days Rental (Oct. 15th - 17th & Oct. 20th - 22nd)	50.00	300.00

*OK: J/T 11/5/03
NMO - ARA - 01 - 03*

Thank you for your business.

Total

\$300.00

INVOICE



INVOICE NO	PAGE
00142693	1
INVOICE DATE	
10/30/03	

Geotech Environmental Equipment, Inc.
 8035 East 40th Avenue
 Denver, Colorado 80207
 Phone: (303)320-4764 * Fax: (303)322-7242

Apply To:

Bill To:

INTERA, INC.
 ATTN: A.P. * ONE PARK SQUARE
 6501 AMERICAS PARKWAY N.E., SUITE 820
 ALBUQUERQUE, NM 87110
 PO# NMO-ARA-0101

Ship To:

INTERA, INC.
 ATTN: JOE TRACY * ONE PARK SQUARE
 6501 AMERICAS PARKWAY N.E., SUITE 8
 ALBUQUERQUE, NM 87110
 PO# NMO-ARA-0101

ORDER NO.	ORDER DATE	CUSTOMER NUMBER	LOC	SLSMN
181520	10/09/03	000000320097	CO	003

PURCHASE ORDER NO.	JOB NO.	SHIP VIA	COL/PPD
NMO-ARA-0101 * JOE TRACY		UPS NDA SAVER	Prepaid

ITEM NUMBER DESCRIPTION	QUANTITY ORDERED	QUANTITY TO SHIP QUANTITY RETURN/BO	UNIT PRICE	UOM DISC	NET PRICE
R8200001 RENTAL, 10.6 VOLT PID (RAE) MINIRAE 2000 ACCESSORY KIT	1.00	1.00	450.000	EA	450.00
		FOR 10 DAYS * 10.10.03 THRU 10.27.03			

CONTRACT LINE
 ITEM # 0021

Project #: ~~NMO-ARA-01-03~~
 Mgr. approval: ~~[Signature]~~
 \$465.00 OF THIS IS non-billable
 to the project!
 Can only Bill \$60.00 per
 our contract RATES.
 THANK YOU
 [Signature]

COMMENTS
 !! THANK YOU FOR YOUR ORDER !!
 PLEASE REMIT TO THE ABOVE ADDRESS
 QUESTIONS CALL ~ 800-833-7958

TERMS
 1%-10/NET30

SALE AMOUNT	450.00
HANDLING CHARGE	.00
FREIGHT	75.05
TOTAL TAX	.00
TOTAL AMOUNT	525.05
PAYMENT AMOUNT	.00
BALANCE DUE	525.05

CUSTOMER COPY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
NE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (476-3488

5. Transporter 1 Company Name

Rhino Environmental Services, Inc.

6.

US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Rhino Environmental Services, Inc. OCD
Goo-Yea South
8 miles south of Hobbs on hwy 18
Lea County

10.

US EPA ID Number

N/A

C. Facility's Phone

505-247-4646

11. Waste Shipping Name and Description

a. Mix bottom Soils

12. Containers
No. Type

1. dump 20 cy

13. Total
Quantity

14. Unit
Wt/Vol

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jenny Riveno

Signature

[Signature]

Month Day Year

10 23 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

En Harrison

Signature

[Signature]

Month Day Year

10 23 03

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **N/A** Manifest Doc. No. 2. Page 1 of

3. Generator's Name and Mailing Address
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

4. Generator's Phone (**505 476-3488**)

5. Transporter 1 Company Name **Rhino Environmental Services, Inc.** 6. US EPA ID Number **N/A** A. Transporter's Phone **505-397-3044**

7. Transporter 2 Company Name 8. US EPA ID Number B. Transporter's Phone

9. Designated Facility Name and Site Address **Rhino Environmental Services, Inc. OCD** 10. US EPA ID Number **N/A** C. Facility's Phone **505-247-4646**
Goo-Yea South
8 miles south of Hobbs on hwy 18
Lea County

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. <i>Mix bottom Soils</i>	1	<i>Dump</i>	<i>14 yd</i>	
b.	1		<i>14 yd</i>	
c.	1		<i>14 yd</i>	
d.	1		<i>14 cy</i>	

D. Additional Descriptions for Materials Listed Above **Non Hazardous**

E. Handling Codes for Wastes Listed Above **N/A**

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name _____ Signature _____ Month Day Year _____

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name *Bitan Ellis* Signature *BEllis* Month Day Year *11 0 22 05*

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name *LINSEY DYER* Signature *Linsy Dyer* Month Day Year *11 0 22 05*

GENERATOR FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
NE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone
505 476-3488

5. Transporter 1 Company Name

Rhino Environmental Services, Inc.

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Rhino Environmental Services, Inc. OCD
Goo-Yea South
8 miles south of Hobbs on hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-247-4646

11. Waste Shipping Name and Description

12. Containers

13. Total
Quantity

14. Unit
Wt/Vol

a. Dry Mixed Bottoms

1

20 g

b.

1

20 g

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Wastes.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Louise Dyer

Louise Dyer

11 | 0 | 23 | 03

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **N/A** Manifest Doc. No. 2. Page 1 of

3. Generator's Name and Mailing Address
**New Mexico Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505**

**Araho Disposal Facility
 NE/4, SE/4, Sec 1, T17S, R31E
 Lea County, NM**

4. Generator's Phone **505 476-8488** 6. US EPA ID Number **N/A** A. Transporter's Phone **505-397-3044**

5. Transporter 1 Company Name **Rhino Environmental Services, Inc.** 8. US EPA ID Number **N/A** B. Transporter's Phone

7. Transporter 2 Company Name 9. Designated Facility Name and Site Address
**Rhino Environmental Services, Inc. OCD
 Goo-Yea South
 8 miles south of Hobbs on hwy 18
 Lea County** 10. US EPA ID Number **N/A** C. Facility's Phone **505-247-4646**

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. dry mixed Buttons			20	98
b. 			20	98
c. 			20	98
d. 			20	98

D. Additional Descriptions for Materials Listed Above **Non Hazardous** E. Handling Codes for Wastes Listed Above **N/A**

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name Signature Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **Jenny Rivero** Signature **[Signature]** Month Day Year **10 22 03**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space
#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **Linsay Dyle** Signature **[Signature]** Month Day Year **10 22 03**

GENERATOR TRANSPORTER FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. N/A Manifest Doc. No. 2. Page 1 of

3. Generator's Name and Mailing Address
 New Mexico Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505

Araho Disposal Facility
 NE/4, SE/4, Sec 1, T17S, R31E
 Lea County, NM

4. Generator's Phone 505 476-3488
 5. Transporter 1 Company Name Rhino Environmental Services, Inc.
 6. US EPA ID Number N/A
 A. Transporter's Phone 505-397-3044

7. Transporter 2 Company Name
 8. US EPA ID Number
 B. Transporter's Phone

9. Designated Facility Name and Site Address
 Rhino Environmental Services, Inc. OCD
 Goo-Yea South
 8 miles south of Hobbs on hwy 18
 Lea County

10. US EPA ID Number N/A
 C. Facility's Phone

11. Waste Shipping Name and Description N/A 12. Containers 305-247-4646 13. Total Quantity 14. Unit Wt/Vol

No.	Type	Total Quantity	Unit Wt/Vol
a. <u>Dry Mixed Bottom</u>		<u>20</u>	
b. <u>6 6 6</u>		<u>20</u>	
c.			
d.			

D. Additional Descriptions for Materials Listed Above
Non Hazardous

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name _____ Signature _____ Month Day Year _____

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name X Raul Alvarado Signature X Raul Alvarado Month Day Year 1/01/2003

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Linsley Dyer Signature Linsley Dyer Month Day Year 11/01/24/03

GENERATOR
TRANSPORTER
FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

2. Page 1 of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
NE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (905) 476-3488

5. Transporter 1 Company Name

Rhino Environmental Services, Inc.

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Rhino Environmental Services, Inc. OCD
Goo-Yea South
8 miles south of Hobbs on hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-247-4646

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. Load of mixed soil dry

1594

b. cc a 21

159

c. u 21 11

159

d. u 21 9

159

D. Additional Descriptions for Materials Listed Above

u u u
Non Hazardous

E. Handling Codes for Wastes Listed Above

1594
N/A

15. Special Handling Instructions and Additional Information

↑
18 by 144

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11/02/03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

X DAVID CARTER

Signature

Month Day Year

19. Discrepancy Indication Space

#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Steve Dyer

Signature

Steve Dy

Month Day Year

11/4/03

GENERATOR

TRANSPORTER

FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
NE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone

505 476-3488

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

5. Transporter 1 Company Name

Rhino Environmental Services, Inc.

8. US EPA ID Number

B. Transporter's Phone

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

Rhino Environmental Services, Inc. OCD
Goo-Yea South
8 miles south of Hobbs on hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-247-4646

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Hydrocarbon impacted soils

6

BD

120

cy

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

Non Hazardous

N/A

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JUAN GARCIA

Signature

Juan Garcia

Month Day Year

10 23 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

#5 Address: PO Box 57180, Albuquerque, NM 87187

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Linsay Dyer

Signature

Linsay Dyer

Month Day Year

10 23 03

GENERATOR

TRANSPORTER

FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone 505 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone 505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1 1 Tank 130 BBL

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Marty Zyl

Signature
Month Day Year
10 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Gene Covantes

Signature
Month Day Year
10 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Sundance Services
Kelly Ranch

Signature
Kelly Ranch
Month Day Year
10 15 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. 112 69923

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *Sundance Services, Inc.*

LEASE NAME: *Well 112-69923*

TRANSPORTER COMPANY: *Sundance Services, Inc.*

DATE: *10/15/95* VEHICLE NO.: *744*

DRIVER NO.:

CHARGE TO: *Operating*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *white*

VOLUME OF MATERIAL [] BBLs 100 : [] YARD : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
2

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone 505 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

Produced H₂O / Tank Bottoms

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

1 1 Tank 130 504

a.

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

27
8124

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Mary G. [Signature]

Signature

Month Day Year

10 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gene Cervantes

Signature

[Signature]

Month Day Year

10 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Sundance Serv.

Printed/Typed Name

Kelly Roach

Signature

[Signature]

Month Day Year

10 15 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. MS 65314
 P.O. Box 1737 ★ Eunice, New Mexico 88231
 (505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *Philo Townsend*

LEASE NAME: *Apple*

TRANSPORTER COMPANY: *Cherokee*

DATE: *11/15/79*

VEHICLE NO.: *74*

DRIVER NO.:

TIME

AM/PM

CHARGE TO: *Cherokee*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *Solids*

VOLUME OF MATERIAL BBLs

110

YARD

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERE WITH IS MATERIAL EXEMPT FROM THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

3

2. Page 1 of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive.
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone

505 476-3488

5. Transporter 1 Company Name

Chaparral Services, Inc.

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

a. Produced H₂O / Tank Bottoms

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

1

Tank

130

BB

GENERATOR

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

[Signature]

Signature

Month Day Year

10 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Signature]

Signature

Month Day Year

10 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Sundance Serv.

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

10 15 03

FACILITY

Sundance Services, Inc. M2 69903

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *King Diamond*

LEASE NAME: *Wells*

TRANSPORTER COMPANY: *Chaparral* TIME: _____ AM/PM

DATE: *11/15/03* VEHICLE NO.: *74* DRIVER NO.:

CHARGE TO: *Chaparral Diamond Beel*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *Wells*

VOLUME OF MATERIAL BBLs. *130* : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was rendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Sundance Acct #2 Gold - Transporter
Revised 12/27/95 Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

4

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505 476-3488)

5. Transporter 1 Company Name

Chaparral Services, Inc.

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers

No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1 1 Tank 130 88%

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: *Mark King* Signature: *Mark King* Month Day Year: 10 | 15 | 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: *Dustin Rankin* Signature: *Mark King* Month Day Year: 10 | 15 | 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: *Sundance Services* Signature: *Kelly Roach* Month Day Year: 10 | 15 | 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. NO 69905

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *White Sundance*

LEASE NAME: *White 5000*

TRANSPORTER COMPANY: *Whispered*

DATE: *1/25/95* VEHICLE NO.: *52* DRIVER NO.:

CHARGE TO: *Whispered*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Contents
- Completion Fluids
- C-117 No.:

Description: *very hard water*

VOLUME OF MATERIAL [] BBLs. *130* : [] YARD : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFOREFED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]* (SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]* (SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

5

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505 476-3488)

5. Transporter 1 Company Name

Chaparral Services, Inc.

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1

Tank

130

BBL

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

[Signature]

Signature

Month Day Year

10 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dustin Junkin

Signature

[Signature]

Month Day Year

10 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Sundance Services
Kelly Roach

Signature

[Signature]
Kelly Roach

Month Day Year

10 15 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. #12 69917

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

8

LEASE OPERATOR/SHIPPER/COMPANY: *HPMWC 10/19/93*

LEASE NAME: *Area 14 Well*

TRANSPORTER COMPANY: *CHPAC* TIME AM/PM

DATE: *10/19/93* VEHICLE NO.: *52* DRIVER NO.:

CHARGE TO: *Transporter*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *Oil*

VOLUME OF MATERIAL BBL. *150* : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. **N/A** Manifest Doc. No. **6** 2. Page 1 of

3. Generator's Name and Mailing Address
**New Mexico Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505**

4. Generator's Phone **505 476-3488**

**Araho Disposal Facility
 WE/4, SE/4, Sec 1, T17S, R31E
 Lea County, NM**

5. Transporter 1 Company Name **Chaparral Services, Inc.** 6. US EPA ID Number **N/A** A. Transporter's Phone **505-397-3044**

7. Transporter 2 Company Name 8. US EPA ID Number B. Transporter's Phone

9. Designated Facility Name and Site Address **Sundance Services
 2 miles East on Hwy 18
 Lea County** 10. US EPA ID Number **N/A** C. Facility's Phone **505-394-2511**

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. Produced H₂O / Tank Bottoms	1	Tank	130	BARL
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above **Non Hazardous** E. Handling Codes for Wastes Listed Above **N/A**

15. Special Handling Instructions and Additional Information
#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name **[Signature]** Signature **[Signature]** Month Day Year **10 | 15 | 03**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **Dustin Quakin** Signature **[Signature]** Month Day Year **10 | 15 | 03**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **Sundance Services** Signature **[Signature]** Month Day Year **10 | 15 | 03**

GENERATOR
TRANSPORTER
FACILITY

Sundance Services, Inc. No. 69926

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: Whitcomb

LEASE NAME: Whitcomb

TRANSPORTER COMPANY: Whitcomb TIME AM/PM

DATE: 10/15/68 VEHICLE NO.: 52 DRIVER NO.:

CHARGE TO: Whitcomb

TYPE OF MATERIAL

- | | | |
|---|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: | |

Description: white

VOLUME OF MATERIAL BBLs 130 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIAL SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Sundance Acct #2 Gold - Transporter
Revised 12/27/95 Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
7

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of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone 505 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

a. Produced H₂O / Tank Bottoms

12. Containers
No. Type

13. Total Quantity
130

14. Unit
Wt/Vol

BB1

11. Waste Shipping Name and Description		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Produced H ₂ O / Tank Bottoms		1 Tank	130	BB1
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: *[Signature]* Signature: *[Signature]* Month Day Year: 10 | 15 | 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: *Bergo Garcia* Signature: *[Signature]* Month Day Year: 10 | 15 | 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: *Kelly Roach* Signature: *Kelly Roach* Month Day Year: 10 | 15 | 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. M2 69906

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

7

LEASE OPERATOR/SHIPPER/COMPANY: *Harco International*

LEASE NAME: *Harco SCD*

TRANSPORTER COMPANY: *Chaparral*

DATE: *10/15/83* VEHICLE NO.: *77771*

CHARGE TO: *Harco SCD*

DRIVER NO.:

TIME

AM/PM

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:

- Drilling Fluids
- Contaminated Soil
- BS&W Content:

- Completion Fluids
- C-117 No.:

Description: *Wm Head water*

VOLUME OF MATERIAL BBL'S 13 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Act #1

Pink - Sundance Act #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
8

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of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone 505 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1 1 Tank 130 100

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Mark [Signature]

Signature

Month Day Year

11/15/03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

STEVAN GARCIA

Signature

[Signature]

Month Day Year

10/19/03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Kelly Roach

Signature

[Signature]

Month Day Year

10/15/03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. MS 69916

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

Q

LEASE OPERATOR/SHIPPER/COMPANY: *White - Sundance*

LEASE NAME: *4120110 Disposal*

TRANSPORTER COMPANY: *Maparac* TIME AM/PM

DATE: *10/15/95* VEHICLE NO.: *71* DRIVER NO.:

CHARGE TO: *Maparac*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description:

Maparac
Maparac

VOLUME OF MATERIAL BBLs. *137* : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Sundance Acct #2 Gold - Transporter
Revised 12/27/95 Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
9

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (805) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

a. Produced H₂O / Tank Bottoms

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
1	Tank	130	501

b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: *[Signature]* Signature: *[Signature]* Month: 10 Day: 15 Year: 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: *Sergio Garcia* Signature: *[Signature]* Month: 10 Day: 15 Year: 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month: Day: Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: *Kelley Roach* Signature: *[Signature]* Month: 10 Day: 15 Year: 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. MC 69927

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *Shane Cunningham*

LEASE NAME: *Shane's well*

TRANSPORTER COMPANY: *Shane Cunningham*

DATE: *10/16/92* VEHICLE NO.: *92* DRIVER NO.:

CHARGE TO: *Wainard Head well*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Contents
- Completion Fluids
- C-117 No.:

Description: *oil*

VOLUME OF MATERIAL BBLs. 120 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Doc. No. 10

2. Page 1 of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc

6. US EPA ID Number N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18

10. US EPA ID Number N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

a. Produced H₂O / Tank Bottoms

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol

1 Tank 130 887

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
1	Tank	130	887

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

[Signature]

10 | 15 | 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Rene Cervantes

[Signature]

10 | 15 | 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Sundance Services
ZACH RAMOS

[Signature]

10 | 15 | 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. #12 69936

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: Phillip

LEASE NAME: ARPA

TRANSPORTER COMPANY: Wagon TIME AM/PM

DATE: 10/1/85 VEHICLE NO.: 11111 DRIVER NO.:

CHARGE TO: Amundson Drilling

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- B&W Content:
- Completion Fluids
- C-117 No.:

Description: S&W

VOLUME OF MATERIAL BBLs. 132 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: [Signature] (SIGNATURE)

FACILITY REPRESENTATIVE: [Signature] (SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

N/A

11

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone ()
505-476-3488

5. Transporter 1 Company Name

Chaparral Services, Inc.

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipment Number and Description

12. Containers

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1 Tank 130

BBL

b. 35
10/15/03
SWH

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Timothy J. Kelly

Signature

Month Day Year

10 01 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Austin Junkin

Signature

Justin R. Junkin

Month Day Year

10 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

line 13: correct quantity

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ZACH KAMES

Signature

Zach Kames

Month Day Year

10 01 05

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. NE 69940

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *Phon*

LEASE NAME: *Apex*

TRANSPORTER COMPANY: *Phon*

DATE: *11/10/84* VEHICLE NO.: *4152*

CHARGE TO: *11/10/84* DRIVER NO.: *Donal Cook*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *slit*

slit

VOLUME OF MATERIAL BBLs. *35* : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. *N/A* Manifest Doc. No. *12* 2. Page 1 of

3. Generator's Name and Mailing Address
 505 476-3488
 New Mexico Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505
 Araho Disposal Facility
 WE/4, SE/4, Sec 1, T17S, R31E
 Lea County, NM

4. Generator's Phone (Chaparral Services, Inc.)
 5. Transporter 1 Company Name
 6. US EPA ID Number *N/A*
 A. Transporter's Phone 505-397-3044

7. Transporter 2 Company Name
 8. US EPA ID Number
 B. Transporter's Phone

9. Designated Facility Name and Site Address
 Sundance Services
 2 miles East on Hwy 18
 Lea County
 10. US EPA ID Number *N/A*
 C. Facility's Phone 505-394-2511

11. Waste Shipping Name and Description
 a. Produced H₂O / Tank Bottoms
 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol
 1 | Tank | 130 | 55)

b.
 c.
 d.

D. Additional Descriptions for Materials Listed Above
 Non Hazardous
 E. Handling Codes for Wastes Listed Above
 N/A

15. Special Handling Instructions and Additional Information
 #5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
 Printed/Typed Name: *[Signature]* Signature: *[Signature]* Month Day Year: 12/01/03

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: SERGIO SANCHEZ Signature: *[Signature]* Month Day Year: 10/15/03

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name: ZACH RAMOS Signature: *[Signature]* Month Day Year: 10/15/03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. NY 69939

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

RE

LEASE OPERATOR/SHIPPER/COMPANY: *Phibs*

LEASE NAME: *John Deere*

TRANSPORTER COMPANY: *Chaparral* TIME AM/PM

DATE: *7/1/82* VEHICLE NO.: *7-9* DRIVER NO.:

CHARGE TO: *Chaparral* *Dumont Park*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *oil*

VOLUME OF MATERIAL BBLs. *120* : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]* (SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]* (SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
13

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
-----------------------	------	-----------------------	--------------------

a. Produced H₂O / Tank Bottoms

1	Tank	130	BB1
---	------	-----	-----

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Marty Kelly

Signature
Month Day Year
10 17 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
SERGIO GARCIA

Signature
Month Day Year
10 17 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Fabian Febela

Signature
Month Day Year
10 17 03

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

Sundance Services, Inc. NO 69973

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

13

LEASE OPERATOR/SHIPPER/COMPANY: *Alma*

LEASE NAME: *Appl. Drilling*

TRANSPORTER COMPANY: *Chaparral* TIME AM/PM

DATE: *11/10/83* VEHICLE NO.: DRIVER NO.:

CHARGE TO: *Deming Bldg Sect*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *SK*

VOLUME OF MATERIAL BBLs. *130* : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]* (SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]* (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Sundance Acct #2 Gold - Transporter
Revised 1/27/95

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
14

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1 1 Tank 130 RB

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
[Signature]

Signature
Month Day Year
10 17 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
[Signature]

Signature
Month Day Year
10 17 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Zach Ramos

Signature
Month Day Year
10 17 03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. NE 69976

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: PLIND

LEASE NAME: High Density

TRANSPORTER COMPANY: Chaparral

DATE: 10/10/85 VEHICLE NO.: 2990

CHARGE TO: DWELLBACK

TYPE OF MATERIAL

- | | | |
|---|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No. _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BSAW Content: _____ | |

Description: bricks

VOLUME OF MATERIAL BBLs 130 : YARD _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
15

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

No. 1

Type Tank

40

831

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Jeff Hannah

Jeff Hannah

10 17 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Anthony Pender

Anthony Pender

10 17 03

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. No 69980

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: ~~Chaparral~~ *Chaparral* *Ross*

LEASE NAME: ~~White~~ *White* *AP 10 Dec 2005*

TRANSPORTER COMPANY: *Chaparral* TIME AM/PM

DATE: *10-17-03* VEHICLE NO.: *7* DRIVER NO.:

CHARGE TO: *Diamond Basin*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: *solids* *501802*

VOLUME OF MATERIAL BBLs. *410* YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIAL SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *Eric Hornum*
(SIGNATURE)

FACILITY REPRESENTATIVE: *Anthony Ross*
(SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
17

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
305-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Standard Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Produced H₂O / Tank Bottoms

1. Tank 130 R31

b.

c.

d.

D. Additional Descriptions for Materials Listed Above
Non Hazardous

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Sundance Seyer
Kelly Roach
Kelly Roach
10 21 03

• ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc.

№ 70029

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *Rhino Environmental*

LEASE NAME: *Arabo SWD*

TRANSPORTER COMPANY: *Chaparral*

TIME

AM/PM

DATE: *10/21/03* VEHICLE NO.: *# 74*

DRIVER NO.:

CHARGE TO: *Diamond Back*

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated Soil

C-117 No.:

Other Material:

BS&W Content:

Description: *solids*

VOLUME OF MATERIAL BBLs. *130*

YARD

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]*

(SIGNATURE)

FACILITY REPRESENTATIVE: *Kelly Roach*

(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
18

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone 505 476-3488

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name Chaparral Services, Inc.

8. US EPA ID Number N/A

B. Transporter's Phone 505-397-3044

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers

13. Total

14. Unit

No.

Type

Quantity

Wt/Vol

a. Produced H₂O / Tank Bottoms

1

Tank

130

BBB

b.

c.

d.

D. Additional Descriptions for Materials Listed Above
Non Hazardous

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

2015-05-15 10:21:05

Sundance Services, Inc. No 70034

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

18

LEASE OPERATOR/SHIPPER/COMPANY: KING EURY

LEASE NAME: AVOHO W/POSEL

TRANSPORTER COMPANY: CHAPARRAL TIME AM/PM

DATE: 10/21/03 VEHICLE NO.: 71 DRIVER NO.:

CHARGE TO: CHAPARRAL Diamond Back SWD

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Completion Fluids
- C-117 No.:

Description: Solids

VOLUME OF MATERIAL [] BBLs. 130 : [] YARD : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature] (SIGNATURE)

FACILITY REPRESENTATIVE: [Signature] (SIGNATURE)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
19

2. Page 1 of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (476-3488)

5. Transporter 1 Company Name

Pate Trucking
~~Sundance Services, Inc.~~

6. US EPA ID Number

N/A

A. Transporter's Phone

6264
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. *TANK Bottoms -*

110 BBL

b.

c.

d.

130

D. Additional Descriptions for Materials Listed Above
Non Hazardous

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Abraham Navarrete

Abraham Navarrete

10/21/03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Line B: corrected quantity

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Fabian Fabela

Fabian Fabela

10/21/03

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

Sundance Services, Inc. **№ 70036**

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: *Rhino Foundation*

LEASE NAME: *Arabo SWD*

TRANSPORTER COMPANY: *Pate* **TIME** **AM/PM**

DATE: *10/2/93* **VEHICLE NO.:** *59* **DRIVER NO.:**

CHARGE TO: ~~_____~~ *Diamond Back*

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content: _____
- Completion Fluids
- C-117 No.: _____

Description: *Slicks*

VOLUME OF MATERIAL **BBLS.** *170* : **YARD** :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

Sundance Services, Inc.

№ 70037

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

20

LEASE OPERATOR/SHIPPER/COMPANY: *Phino Environmental*

LEASE NAME: *Alamo SWB*

TRANSPORTER COMPANY: *Chaparral*

TIME

AM/PM

DATE: *11/21/03*

VEHICLE NO.: *71*

DRIVER NO.:

CHARGE TO: *Diamond Back*

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated Soil

C-117 No.: _____

Other Material:

BS&W Content: _____

Description: *solids*

VOLUME OF MATERIAL BBLs

130

YARD

:

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. N/A Manifest Doc. No. 21 2. Page 1 of

3. Generator's Name and Mailing Address **New Mexico Oil Conservation Division**
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505 476-3488
4. Generator's Phone ()

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

5. Transporter 1 Company Name Choparral Services, Inc. M+S 6. US EPA ID Number N/A A. Transporter's Phone 505-397-3044

7. Transporter 2 Company Name 8. US EPA ID Number B. Transporter's Phone

9. Designated Facility Name and Site Address **Sundance Services**
2 miles East on Hwy 18
Lea County 10. US EPA ID Number N/A C. Facility's Phone 505-394-2511

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. <u>Produced H2O / Bottom Tank.</u>	<u>1</u>	<u>Tank</u>	<u>130</u>	<u>RBC</u>
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above Non Hazardous E. Handling Codes for Wastes Listed Above N/A

15. Special Handling Instructions and Additional Information
#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

17. Transporter 1 Acknowledgement of Receipt of Materials.
Printed/Typed Name Jeff Hana Signature Jeff Hana Month _____ Day _____ Year _____

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Kelly Rouch Signature Sundance Services Month 11 Day 21 Year 03

Sundance Services, Inc.

№ 70040

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

21

LEASE OPERATOR/SHIPPER/COMPANY: Rhino Environmental

LEASE NAME: Araho SWD

TRANSPORTER COMPANY: M+S (Chaparral) TIME _____ AM/PM

DATE: 10/21/03 VEHICLE NO.: # 7 DRIVER NO.:

CHARGE TO: Diamond Beach

TYPE OF MATERIAL

- | | | |
|--|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input checked="" type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: solids Telout

VOLUME OF MATERIAL BBLs. 130 : YARD _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Jeff Hernandez
(SIGNATURE)

FACILITY REPRESENTATIVE: Kelly Koach
(SIGNATURE)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A Manifest Doc. No. 22 2. Page 1 of

3. Generator's Name and Mailing Address **New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505** **Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM**

4. Generator's Phone (505 476-3488)

5. Transporter 1 Company Name Chaparral Services, Inc M+S 6. US EPA ID Number N/A A. Transporter's Phone 505-397-3044

7. Transporter 2 Company Name 8. US EPA ID Number B. Transporter's Phone

9. Designated Facility Name and Site Address **Sundance Services
2 miles East on Hwy 18
Lea County** 10. US EPA ID Number N/A C. Facility's Phone 505-394-2511

11. Waste Shipping Name and Description 12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol

a. Produced H₂O / Tank Bottoms 1. Tank 130 881

b.

c.

d.

D. Additional Descriptions for Materials Listed Above Non Hazardous E. Handling Codes for Wastes Listed Above N/A

15. Special Handling Instructions and Additional Information
#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name [Signature] Signature [Signature] Month Day Year 11 01 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Jeff Hanna Signature [Signature] Month Day Year 10 16 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Kelly Roach Signature [Signature] Month Day Year 11 01 03

GENERATOR
TRANSPORTER
FACILITY

Sundance Services, Inc.

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

NO 69957

22 40684

LEASE OPERATOR/SHIPPER/COMPANY: Rhiad

LEASE NAME: Acaba disposal

TRANSPORTER COMPANY: AMS

TIME AM/PM

DATE: 12/16/02 VEHICLE NO.: # 1

DRIVER NO.:

CHARGE TO: Dimcardo Act

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content: _____
- Completion Fluids
- C-117 No.: _____

Description: NON/HAZ WASTE

VOLUME OF MATERIAL BBLs. 130 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Jeff Hummel
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. **N/A** Manifest Doc. No. **23** 2. Page 1 of

3. Generator's Name and Mailing Address **New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505** Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone () **505-476-3488**

5. Transporter 1 Company Name **Chaparral Services, Inc.** 6. US EPA ID Number **N/A** A. Transporter's Phone **505-397-3044**

7. Transporter 2 Company Name **Chaparral Services, Inc.** 8. US EPA ID Number **N/A** B. Transporter's Phone **505-397-3044**

9. Designated Facility Name and Site Address **Sundance Services
2 miles East on Hwy 18
Lea County** 10. US EPA ID Number **N/A** C. Facility's Phone **505-394-2511**

11. Waste Shipping Name and Description 12. Containers 13. Total Quantity 14. Unit

No.	Type	Quantity	Unit
a. 1	Tank	130	RB/
b.			
c.			
d.			

D. Additional Descriptions for Materials Listed Above **Non Hazardous** E. Handling Codes for Wastes Listed Above **N/A**

15. Special Handling Instructions and Additional Information **#5 Address: PO Drawer 1769, Eunice, NM 88231**

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name **[Signature]** Signature **[Signature]** Month Day Year **10 | 15 | 03**

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name **Jeff Hanna** Signature **[Signature]** Month Day Year **10 | 16 | 03**

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **Kelly Roach** Signature **[Signature]** Month Day Year **10 | 17 | 03**

Sundance Services, Inc. NO 69971

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

23

LEASE OPERATOR/SHIPPER/COMPANY: Rhino Environmental

LEASE NAME: Alabo SWD

TRANSPORTER COMPANY: MIS (Chaparral) TIME _____ AM/PM

DATE: 6/1/76 VEHICLE NO.: # 7 DRIVER NO.:

CHARGE TO: Diamond Back SWD

TYPE OF MATERIAL

- | | | |
|--|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input checked="" type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: solids

VOLUME OF MATERIAL BBLs. 130 : YARD _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Jed Hayral
(SIGNATURE)

FACILITY REPRESENTATIVE: Betty Roach
(SIGNATURE)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
24

2. Page 1 of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone
505 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

12. Containers
No. Type
13. Total Quantity
14. Unit Wt/Vol

a. Tank Bottoms / Produced H₂O

1	Tank	130	BB
---	------	-----	----

b.			
c.			
d.			

D. Additional Descriptions for Materials Listed Above
Non Hazardous

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name <i>[Signature]</i>	Signature <i>[Signature]</i>	Month Day Year 10/16/03
--	---------------------------------	----------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name SERGIO GARCIA	Signature <i>[Signature]</i>	Month Day Year 10/16/03
--	---------------------------------	----------------------------

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Month Day Year
---	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name <i>[Signature]</i>	Signature <i>[Signature]</i>	Month Day Year 11/06/03
--	---------------------------------	----------------------------

Sundance Services, Inc.

NO 69952

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: Rhina Environmental

LEASE NAME: Arahó SWD

TRANSPORTER COMPANY: Chaparral

TIME

AM/PM

DATE: 10/16/03

VEHICLE NO.: # 71

DRIVER NO.:

CHARGE TO: Diamond Back SWD

TYPE OF MATERIAL

Production Water

Drilling Fluids

Completion Fluids

Tank Bottoms

Contaminated Soil

C-117 No.:

Other Material:

BS&W Content:

Description: Solids

VOLUME OF MATERIAL BBLs. 130 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: SERGIO GARCIA

(SIGNATURE)

FACILITY REPRESENTATIVE: Kelly Roach

(SIGNATURE)

White - Sundance Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1
of

25

3. Generator's Name and Mailing Address

N/A

4. Generator's Phone ()

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

5. Transporter 1 Company Name

505-476-3488

US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

Chaparral Services, Inc.

8. US EPA ID Number

N/A

B. Transporter's Phone

505-397-3044

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

a. Produced H₂O / Tank Bottoms

b.

c.

d.

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

1	Tank	130	BB
---	------	-----	----

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

10 | 16 | 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10 | 16 | 03

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

10 | 16 | 03

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

Sundance Services, Inc.

№ 69966

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

25

LEASE OPERATOR/SHIPPER/COMPANY: Phind

LEASE NAME: Archo Disposal

TRANSPORTER COMPANY: Whopper

TIME AM/PM

DATE: 10/16/03 VEHICLE NO.: 111

DRIVER NO.:

CHARGE TO: David PCL

TYPE OF MATERIAL

- Production Water Drilling Fluids Completion Fluids
 Tank Bottoms Contaminated Soil C-117 No.: _____
 Other Material: BS&W Content: _____

Description: solids

VOLUME OF MATERIAL BBLs. 130 : YARD :

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Sundance Acct #2 Gold - Transporter
Revised 12/27/95

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. N/A

Manifest Doc. No. 26

2. Page 1 of

3. Generator's Name and Mailing Address

N/A

4. Generator's Phone ()

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

5. Transporter 1 Company Name

505 476 3488

6. US EPA ID Number

87505

A. Transporter's Phone

505 397 3044

7. Transporter 2 Company Name

Chaparral Services, Inc.

8. US EPA ID Number

N/A

B. Transporter's Phone

505 397 3044

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505 394 2511

11. Waste Shipping Name and Description

Lea County

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

a. Produced H₂O / Tank Bottoms

1	Tank	130	RB/
---	------	-----	-----

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

[Signature]

Signature

Month Day Year

11 01 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

10 16 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

[Signature]

Signature

[Signature]

Month Day Year

10 16 03

ORIGINAL - RETURN TO GENERATOR

Sundance Services, Inc.

№ 69961

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

24

LEASE OPERATOR/SHIPPER/COMPANY: Phon

LEASE NAME: Arabo Disposal

TRANSPORTER COMPANY: Chaparral TIME _____ AM/PM

DATE: 10/16/03 VEHICLE NO.: #174 DRIVER NO.:

CHARGE TO: Drum Back

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Other Material:
- Drilling Fluids
- Contaminated Soil
- BS&W Content: _____
- Completion Fluids
- C-117 No.: _____

Description: solids

VOLUME OF MATERIAL BBLs. 130 : YARD _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N/A

Manifest Doc. No.
27

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone (505) 476-3488

5. Transporter 1 Company Name
Chaparral Services, Inc.

6. US EPA ID Number
N/A

A. Transporter's Phone
505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number
N/A

C. Facility's Phone
505-394-2511

11. Waste Shipping Name and Description

a. Tank Bottom

12. Containers
No. Type 13. Total Quantity 14. Unit Wt/Vol

1 Tank 130 Bbl

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Kelly Roach

Kelly Roach

11/02/03

GENERATOR

TRANSPORTER

FACILITY

Sundance Services, Inc. **№ 70043**

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: Kuno Environment

LEASE NAME: Arado SW

TRANSPORTER COMPANY: Chaparral

TIME _____ AM/PM

DATE: 10/21/03 VEHICLE NO.: # 21

DRIVER NO.:

CHARGE TO: Diamond Back

TYPE OF MATERIAL

- | | | |
|---|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: solids

Ticket

VOLUME OF MATERIAL BBLs. 130 : YARD _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

N/A

Manifest Doc. No.

28

2. Page 1
of

3. Generator's Name and Mailing Address

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

4. Generator's Phone
505 476-3488

5. Transporter 1 Company Name

Chaparral Services, Inc

6. US EPA ID Number

N/A

A. Transporter's Phone

505-397-3044

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Sundance Services
2 miles East on Hwy 18
Lea County

10. US EPA ID Number

N/A

C. Facility's Phone

505-394-2511

11. Waste Shipping Name and Description

a. Produced H₂O / Tank bottoms

12. Containers
No. Type

1

TANK
B

13. Total
Quantity

110

14. Unit
W/Vol

BBL

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Abraham Navarrette

Signature

[Signature] 10/1/03

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Kelly Road

Signature

[Signature] Kelly Road

Month Day Year

11/01/03

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

Sundance Services, Inc.

N^o 70045

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

28

LEASE OPERATOR/SHIPPER/COMPANY: *Rhino Environmental*

LEASE NAME: *Alamo SWD*

TRANSPORTER COMPANY: *Pate*

TIME AM/PM

DATE: *10/21/03* VEHICLE NO.: *A 59*

DRIVER NO.:

CHARGE TO: *Diamond Back*

TYPE OF MATERIAL

- | | | |
|--|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input checked="" type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: *solid*

Ticket

VOLUME OF MATERIAL BBLs. *110* : YARD _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

Home

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

29

3. Generator's Name and Mailing Address

N/A

4. Generator's Phone ()

New Mexico Oil Conservation Division
1220 South St. Francis Drive

Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E

5. Transporter 1 Company Name

505-476-3488

Santa Fe, New Mexico 87605

A. Transporter's Phone

Lea County, NM

7. Transporter 2 Company Name

Chaparral Services, Inc.

8.

US EPA ID Number

N/A

B. Transporter's Phone

505-397-3044

9. Designated Facility Name and Site Address

10.

US EPA ID Number

C. Facility's Phone

Sundance Services
2 miles East on Hwy 18

N/A

505-394-2511

11. Waste Shipping Name and Description

Lea County

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. Hydrocarbon impacted Soil

1

FAM/1
BAD

130

BBL

GENERATOR

D. Additional Descriptions for Materials Listed Above

Non Hazardous

E. Handling Codes for Wastes Listed Above

N/A

15. Special Handling Instructions and Additional Information

#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Rene Hernandez

Signature

Month Day Year

10 21 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Sundance Serv.

Printed/Typed Name

Fabian Fabola

Signature

Month Day Year

10 21 03

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

Sundance Services, Inc.

N2 70051

P. O. Box 1737 ★ Eunice, New Mexico 88231
(505) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY: Khina

LEASE NAME: Archeo Disposal

TRANSPORTER COMPANY: Chaparral **TIME** _____ **AM/PM** _____

DATE: 10/21/07 **VEHICLE NO.:** # 741 **DRIVER NO.:** _____

CHARGE TO: Disposal Back

TYPE OF MATERIAL

- | | | |
|---|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: Solids

VOLUME OF MATERIAL **BBLs.** 130 : **YARD** _____ : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance
Revised 12/27/95

Canary - Sundance Acct #1

Pink - Sundance Acct #2

Gold - Transporter

Superior Printing Service, Inc.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. Manifest Doc. No. 2. Page 1 of

30

3. Generator's Name and Mailing Address N/A

4. Generator's Phone () New Mexico Oil Conservation Division
1220 South St. Francis Drive

5. Transporter 1 Company Name 505-476-3488 Santa Fe, New Mexico 87505
6. US EPA ID Number A. Transporter's Phone Araho Disposal Facility
WE/4, SE/4, Sec 1, T17S, R31E
Lea County, NM

7. Transporter 2 Company Name Chapel Services, Inc. 8. US EPA ID Number N/A
B. Transporter's Phone 505-397-3044

9. Designated Facility Name and Site Address 10. US EPA ID Number C. Facility's Phone

Sundance Services 2 miles East on Hwy 18
Lea County N/A 505-394-2511

11. Waste Shipping Name and Description 12. Containers 13. Total Quantity 14. Unit Wt/Vol

a. Produced H₂O / Tank Bottoms 1 Tank 130 BBL

b.

c.

d.

D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above
Non Hazardous N/A

15. Special Handling Instructions and Additional Information
#5 Address: PO Drawer 1769, Eunice, NM 88231

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name Signature Month Day Year
11 01 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year
10 16 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Signature Month Day Year
Zach Rand 11 01 16 05

Sundance Services, Inc.

№ 69949

P. O. Box 1737 ★ Eunice, New Mexico 88231

(505) 394-2511

20

LEASE OPERATOR/SHIPPER/COMPANY: *Khmo Esmeralda*

LEASE NAME: *Alraho SWD*

TRANSPORTER COMPANY: *Chaparral*

TIME AM/PM

DATE: *10/16/03* VEHICLE NO.: *#074*

DRIVER NO.:

CHARGE TO: *Diamond Back SWD*

TYPE OF MATERIAL

- | | | |
|--|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input checked="" type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated Soil | <input type="checkbox"/> C-117 No.: _____ |
| <input type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: *solids*

VOLUME OF MATERIAL BBLs. *130* : YARD _____ : _____

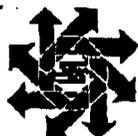
AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *Kelly Roach*
(SIGNATURE)



Safety & Environmental Solutions, Inc.

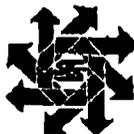
P. O. Box 1613
Hobbs, New Mexico 88241

Invoice

DATE	INVOICE #
10/8/2003	6386

BILL TO
Intera Joe Tracey One Park Square 6501 Americas Parkway NE, Ste. 820 Albuquerque, NM 87110

PROJECT		P.O. NO.	TERMS
INT03001 Norm Survey			Net 30
QUANTITY	DESCRIPTION	RATE	AMOUNT
1	Radiation Safety Officer	75.00	75.00T
1	NORM Meter	50.00	50.00T
24	Mileage	0.60	14.40T
	Subtotal		139.40
	Hobbs Gross Receipts Tax	6.125%	8.54
Project #. <u>7197</u> Mgr. approval: <u>NM-NEA-01-02</u>			
Total			\$147.94



Safety & Environmental Solutions, Inc.

P. O. Box 1613
Hobbs, New Mexico 88241

Invoice

DATE	INVOICE #
10/22/2003	6389

BILL TO
Intern Joe Tracey One Park Square 6501 Americas Parkway NE, Ste. 820 Albuquerque, NM 87110

PROJECT	P.O. NO.	TERMS
INT03001 Norm Survey		Net 30

QUANTITY	DESCRIPTION	RATE	AMOUNT
2	Radiation Safety Officer	75.00	150.00T
1	Survey Meter	50.00	50.00T
48	Mileage	0.60	28.80T
	Subtotal		228.80
	Hobbs Gross Receipts Tax	6.125%	14.01
Total			\$242.81

SIC 711 Tracey
NMO - ARA - 01 - 02



One Park Square
6501 Americas Parkway NE
Suite 820
Albuquerque, New Mexico 87110
Tel: 505 246 1600
Fax: 505 246 2600

Fax

To: *MARTYNE KESSING* From: *JOE TRACY*

Company: _____

Fax: *(505) 467-3462* Pages: *3*

Phone: _____ Date: _____

Re: _____ CC: _____

*Includes cover sheet

Comments:

MARTYNE,

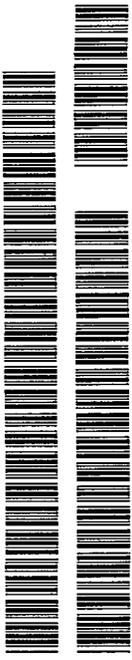
ATTACHED ARE XEROX SURVEYOR INVOICES. TOTAL

w/o TAX = \$390.75. PLEASE CALL ME WITH

QUESTIONS. THANKS!

JT

STATE OF NEW MEXICO
PURCHASE DOCUMENT



AGENCY CODE	521	DOCUMENT NUMBER	04-199-000382
DATE	10/30/03	BUDGET FY	04

VENDOR CODE: 0000005086

VENDOR NAME AND ORDER ADDRESS:
 INTERA INCORPORATED
 9111 A RESEARCH BLVD
 AUSTIN, TX 78758

DO NOT STAPLE BAR CODES

S H I P T O	OIL CONSERVATION DIVISION 1220 SO. ST. FRANCIS DRIVE SANTA FE, NM 87505
B I L L T O	OIL CONSERVATION DIVISION 1220 SO. ST. FRANCES DRIVE SANTA FE, NM 87505

AGENCY CONTACT: SALLY MARTINEZ
PHONE NUMBER:

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT	PURCHASE REQUISITION <small>(BIDS MUST BE REQUESTED FOR ITEMS OVER \$1,500.00)</small>	BUYER:
01	199	521	P586	300	0700	3532	121280.49	<input type="checkbox"/>	
Maximum of six accounting lines per purchase document							TOTAL		
							121,280.49		

FOR AGENCY USE:
 ESTABLISH RENEWAL NO.:
 CONTRACT, PRICE AGREEMENT, PURCHASE ORDER OTHER THAN PROFESSIONAL SERVICE CONTRACTS:
(APPROVED VENDORS MUST BE USED FOR ITEMS UNDER CONTRACT)
 C/PA /PO# 308050918056 EXPIRES: 110703

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT	DIRECT PURCHASE ORDER <small>(ONLY VALID FOR PURCHASES \$1,500.00 AND UNDER)</small>	EXEMPT FROM THE NM PROCUREMENT CODE <small>PURSUANT TO SECTION</small>	EXCLUDED FROM PROCUREMENT THROUGH STATE PURCHASING <small>PURSUANT TO SECTION</small>	FOR ENCUMBERING PURPOSES ONLY <small>REASON:</small>
1	199	521	0750	301	0700	3532	121280.49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TOTAL							121,280.49				

AGENCY APPROVAL - I certify that the proposed purchase represented by this document is authorized by and is made in accordance with all State (and if applicable Federal) legislation, rules and regulations. I further certify that adequate unencumbered cash and budget expenditure authority exists for this proposed purchase and all other outstanding purchase commitments and accounts payable.

AGENCY AUTHORIZED SIGNATURE: _____ DATE: _____

APPROVAL 1 DATE APPROVAL 2 DATE

**STATE OF NEW MEXICO
PURCHASE DOCUMENT
CONTINUATION SHEET**

AGENCY CODE 521	DOCUMENT NUMBER 04-199-000382
DATE 10/30/03	BUDGET FY 04

TERMS	DELIVERY DATE 10/30/03	FOB D
BUDGET VERIFIED BY:		

AGENCY NAME ENERGY, MINERALS & NAT RES

COMM LN	QUANTITY	UNIT	COMMODITY CODE	ACCT LN	ARTICLE AND DESCRIPTION	UNIT COST	TOTAL COST
1	1.0000	EACH	CCCC		PHASE I SURFACE INVESTIGATION AND CLEANUP AT ARAHO, INC.	121280.4900	121280.49
TOTAL							121,280.49

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Costs to Oct. 30, 2003 and Report Budget

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	3	\$ 300.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Project Scientist/Engineer/Manager (INTERA J. Tracy)	0003	67.00	hour	38	\$ 2,546.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 3,722.00
SUBTOTAL TASK 1:					\$ 3,722.00
NMGRT @ 5.8125%					\$ 216.34
GRAND TOTAL TASK 1:					\$ 3,938.34
Task 2. Map Buried Utilities (I-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	0	\$ -
Subtotal Professional Labor					\$ 1,304.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2:					\$ 2,604.00
NMGRT @ 5.8125%					\$ 151.36
GRAND TOTAL TASK 2:					\$ 2,755.36
Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$ 536.00
Staff Scientist/Engineer	0004	52.00	hour	11	\$ 572.00
Field Technician II - Fieldwork	0005	50.00	hour	90	\$ 4,500.00
Field Technician II - Fieldwork (INTERA K. Clark)	0005	50.00	hour	13.5	\$ 675.00
Field Technician II - Foreman	0005	50.00	hour	70	\$ 3,500.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	60	\$ 2,100.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	10	\$ 350.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	70	\$ 1,750.00
Field Technician I - Laborer	0006	20.00	hour	120	\$ 2,400.00
Field Technician I - Laborer (Sub. Rhinos)	0006	20.00	hour	112	\$ 2,240.00
Hourly Secretary	0010	30.00	hour	0	\$ -
Subtotal Professional Labor					\$ 18,623.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
Mobilization of Equipment	0047	1.75	mile	629	\$ 1,100.75
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	2,600	\$ 28,080.00
Disposal of Contaminated Fluids (Cleaning Water)	0044	10.80	barrel	965	\$ 10,422.00
Vacuum Jet Truck	"At Cost"	750.00	day	10	\$ 7,500.00
Vacuum Jet Truck	"At Cost"	750.00	day	7.25	\$ 5,437.50
Hot Oil Truck	"At Cost"	925.00	day	3.65	\$ 3,376.25
Trackhoe Heavy Duty	0030	648.00	day	6	\$ 3,876.00
Trackhoe Heavy Duty	0030	648.00	day	1	\$ 648.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$ 1,170.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	1	\$ 195.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	12	\$ 480.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	3	\$ 120.00
Backhoe Medium Duty	0026	157.00	day	6	\$ 942.00
Backhoe Medium Duty	0026	157.00	day	2.3	\$ 361.10
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$ 600.00
Clean Sand	"At Cost"	4.00	yard	200	\$ 800.00
Land-Farm of Solid Waste at Rhinos' OCD Permitted Facility	0045	31.15	yard	443	\$ 13,799.45
Fresh Water Transport and Use	"At Cost"	1,490.25	project	1	\$ 1,490.25
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$ 300.00
Fresh Air/Safety Trailer/Personal Air Samplers	"At Cost"	300.00	day	5	\$ 1,500.00
Hand-Held GPS Unit	"At Cost"	5.00	day	6	\$ 30.00
Photoionization Detector (PID)	0021	10.00	day	6	\$ 60.00
Mileage	0042	0.25	mile	800	\$ 200.00
Per Diem	0043	65.00	day	6	\$ 390.00
Per Diem	0043	65.00	day	1	\$ 65.00
Subtotal Expenses					\$ 82,941.30
SUBTOTAL TASK 3:					\$ 101,564.30
NMGRT @ 5.8125%					\$ 5,903.42
GRAND TOTAL TASK 3:					\$ 107,467.72
Task 4. Preparation of an Final Report					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$ 2,080.00
Field Technician II	0005	50.00	hour	24	\$ 1,200.00
Draftsperson II (Figures, Cross Sections)	0007	50.00	hour	16	\$ 800.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$ 240.00
Subtotal Professional Labor					\$ 6,728.00
SUBTOTAL TASK 4:					\$ 6,728.00
NMGRT @ 5.8125%					\$ 391.87
GRAND TOTAL TASK 4:					\$ 7,119.87
PROJECT GRAND TOTAL:					\$ 121,280.49

Notes:
NMGRT = New Mexico Gross Receipts Tax

Authorized Amount	\$	101,446.68
Total Costs plus Report Budget	\$	121,280.49
Change Order Amount	\$	(19,833.81)

STATE OF NEW MEXICO
PURCHASE DOCUMENT



AGENCY CODE	521	DOCUMENT NUMBER	04-199-000308
DATE	09/17/03	BUDGET FY	04

VENDOR CODE: 0000005086

VENDOR NAME AND ORDER ADDRESS:
 INTERA INCORPORATED
 9111 A RESEARCH BLVD
 AUSTIN, TX 78758

DO NOT STAPLE BAR CODES

S H I P T O	OIL CONSERVATION DIVISION 1220 SO. ST. FRANCIS DRIVE SANTA FE, NM 87505	B I L L T O	OIL CONSERVATION DIVISION 1220 SO. ST. FRANCIS DRIVE SANTA FE, NM 87505
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AGENCY CONTACT: SALLY MARTINEZ
PHONE NUMBER:

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT	
01	199	521	P586	300	0700	3532	44350.00	
DFA APPROVED								
Maximum of six accounting lines per purchase document							TOTAL	44,350.00

PURCHASE REQUISITION
(BIDS MUST BE REQUESTED FOR ITEMS OVER \$1,500.00)

RECOMMENDED SOURCE & SPECIAL REMARKS:

ESTABLISH RENEWAL NO.:

CONTRACT, PRICE AGREEMENT, PURCHASE ORDER
OTHER THAN PROFESSIONAL SERVICE CONTRACTS:
(APPROVED VENDORS MUST BE USED FOR ITEMS UNDER CONTRACT)

CPA / PO# 308050918056 EXPIRES: 100703

DIRECT PURCHASE ORDER
(ONLY VALID FOR PURCHASES \$1,500.00 AND UNDER)

EXEMPT FROM THE NM PROCUREMENT CODE
PURSUANT TO SECTION _____ NMSA, 1978

EXCLUDED FROM PROCUREMENT THROUGH STATE PURCHASING
PURSUANT TO SECTION _____ NMSA, 1978

FOR ENCUMBERING PURPOSES ONLY
REASON: _____

AGENCY APPROVAL - I certify that the proposed purchase represented by this document is authorized by and is made in accordance with all State (and if applicable Federal) legislation, rules and regulations. I further certify that adequate unencumbered cash and budget expenditure authority exists for this proposed purchase and all other outstanding purchase commitments and accounts payable.

AGENCY AUTHORIZED SIGNATURE: _____ DATE: _____

APPROVAL 1	DATE	APPROVAL 2	DATE
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STATE OF NEW MEXICO
PURCHASE DOCUMENT
CONTINUATION SHEET

AGENCY CODE	521	DOCUMENT NUMBER	04-199-000308
DATE	09/17/03	BUDGET FY	04

TERMS		
DELIVERY DATE	09/17/03	FOB D
BUDGET VERIFIED BY:		

AGENCY NAME ENERGY, MINERALS & NAT RES

COMM LN	QUANTITY	UNIT	COMMODITY CODE	ACCT LN	ARTICLE AND DESCRIPTION	UNIT COST	TOTAL COST
1	1.0000	EACH	CCCC		PHASE I SURFACE INVESTIGATION AND CLEANUP AT ARAHO, INC.	44350.0000	44350.00
TOTAL							44,350.00

STATE OF NEW MEXICO
PURCHASE DOCUMENT



DO NOT STAPLE BAR CODES

AGENCY CODE	521	DOCUMENT NUMBER	03-199-000799
DATE	05/16/03	BUDGET FY	03

VENDOR CODE: 0000005086

VENDOR NAME AND ORDER ADDRESS:
 INTERA INCORPORATED
 9111 A RESEARCH BLVD
 AUSTIN, TX 78758

SHIPTO: OIL CONSERVATION DIVISION
 1220 SO. ST. FRANCIS DRIVE
 SANTA FE, NM 87505

AGENCY CONTACT: SALLY MARTINEZ
 PHONE NUMBER: _____

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT	
01	199	521	P586	300	0700	3532	57100.00	
DFA APPROVED								
Maximum of six accounting lines per purchase document							TOTAL	57,100.00

FOR AGENCY USE:

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT
1	199	521	0750	301	0700	3532	57100.00
TOTAL							57,100.00

AGENCY APPROVAL - I certify that the proposed purchase represented by this document is authorized by and is made in accordance with all State (and if applicable Federal) legislation, rules and regulations. I further certify that adequate unencumbered cash and budget expenditure authority exists for this proposed purchase and all other outstanding purchase commitments and accounts payable.

AGENCY AUTHORIZED SIGNATURE: _____ DATE: _____

APPROVAL 1: _____ DATE: _____ APPROVAL 2: _____ DATE: _____

STATE OF NEW MEXICO
PURCHASE DOCUMENT
CONTINUATION SHEET

CODE	521	ORDER NUMBER	03-199-000799
DATE	05/16/03	BUDGET FY	03

TERMS		
DELIVERY DATE	05/16/03	FOB D
BUDGET VERIFIED BY:		

AGENCY NAME ENERGY, MINERALS & NAT RES

COMM LN	QUANTITY	UNIT	COMMODITY CODE	ACCT LN	ARTICLE AND DESCRIPTION	UNIT COST	TOTAL COST
1	1.0000	EACH	CCCC		PHASE I SURFACE INVESTIGATION AND CLEANUP AT ARAHO, INC.	57100.0000	57100.00

Generated by : New Mexico Energy, Minerals and Natural Resources. Advantage Web System Version 2.49 06/18/02 © 2001 State of New Mexico TOTAL 57,100.00



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Bill N.M. Oil Conservation Division
To: 1220 South St. Francis Dr.
Santa Fe, NM 87505

Date	Invoice
11/17'03	85783

Client #: 810-134

Project # & Name: Araho

Original
BALANCE DUE: 2,445.00

PO Number	Terms	Project
	Net 30	PIN ALB-810

Quantity	Description	Rate	Amount
23	Item 005 Method 8021 (BTEX) Non-Aq	40.00	920.00
23	Item 032 Total Pet. Hydrocarbons DRO C6-C28	45.00	1,035.00
35	Item 052 Chloride only	14.00	490.00
Remit to: Pinnacle Laboratories, Inc. 2709-D Pan American Freeway NE Albuquerque, NM 87107			
<i>Approved For Payment</i> <i>MJK</i> 12-22-03			
Accession #: 310136 Authorized By: Martyne Kieling		TOTAL:	2,445.00

STATE OF NEW MEXICO
PURCHASE DOCUMENT



AGENCY CODE	521	DOCUMENT NUMBER	03-199-000811
DATE	05/23/03	BUDGET FY	03

VENDOR CODE: 850454519

VENDOR NAME AND ORDER ADDRESS:
Pinnacle Laboratories Inc
2709-D Pan American Fwy NE
Albuquerque, NM 87107

DO NOT STAPLE BAR CODES

S H I P T O

OIL CONSERVATION DIVISION
1220 SO. ST. FRANCES DRIVE
SANTA FE, NM 87505

B I L L T O

OIL CONSERVATION DIVISION
1220 SO. ST. FRANCES DRIVE
SANTA FE, NM 87505

AGENCY CONTACT: SALLY MARTINEZ

PHONE NUMBER:

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT	BUYER:	
01	199	521	P586	300	0700	3532	4000.00		
Maximum of six accounting lines per purchase document							TOTAL	4,000.00	

PURCHASE REQUISITION
(BIDS MUST BE REQUESTED FOR ITEMS OVER \$1,500.00)

RECOMMENDED SOURCE & SPECIAL REMARKS:

DFA APPROVED

FOR AGENCY USE:

LN	FUND	AGCY	ORG/PRG	APPR UNIT	DIVISION	OBJECT	AMOUNT
1	199	521	0750	301	0700	3532	4000.00
TOTAL							4,000.00

ESTABLISH RENEWAL NO.:
 CONTRACT, PRICE AGREEMENT, PURCHASE ORDER
 OTHER THAN PROFESSIONAL SERVICE CONTRACTS:
(APPROVED VENDORS MUST BE USED FOR ITEMS UNDER CONTRACT)
 CPA / PO# 205210702497 EXPIRES: 011304
 DIRECT PURCHASE ORDER
(ONLY VALID FOR PURCHASES \$1,500.00 AND UNDER)
 EXEMPT FROM THE NM PROCUREMENT CODE
PURSUANT TO SECTION _____ NMSA, 1978
 EXCLUDED FROM PROCUREMENT THROUGH STATE PURCHASING
PURSUANT TO SECTION _____ NMSA, 1978
 FOR ENCUMBERING PURPOSES ONLY
REASON: _____

AGENCY APPROVAL - I certify that the proposed purchase represented by this document is authorized by and is made in accordance with all State (and if applicable Federal) legislation, rules and regulations. I further certify that adequate unencumbered cash and budget expenditure authority exists for this proposed purchase and all other outstanding purchase commitments and accounts payable.

AGENCY AUTHORIZED SIGNATURE: _____ DATE: _____

APPROVAL 1 DATE APPROVAL 2 DATE

STATE OF NEW MEXICO
PURCHASE DOCUMENT
CONTINUATION SHEET

LINE	NUMBER	03-199-000811
DATE	BUDGET FY	03
05/23/03		

AGENCY NAME ENERGY, MINERALS & NAT RES

TERMS		
DELIVERY DATE	05/23/03	FOB D
BUDGET VERIFIED BY:		

COMM LN	QUANTITY	UNIT	COMMODITY CODE	ACCT LN	ARTICLE AND DESCRIPTION	UNIT COST	TOTAL COST
1	1.0000	EACH	CCCC		LAB SERVICES - ARAHO INC. INVESTIGATION AND CLEANUP	4000.0000	4000.00
TOTAL							4,000.00

ARAHO Phase I Costs

TRK

\$ 100,400.34
3,356.90
9,982.88

Total \$113,740.13

+ Lab 2,445.00 - Pinnical Lab
\$ 116,185.13 Grand Total Phase I

Kieling, Martyne

From: Joseph J. Tracy [jtracy@intera.com]
Sent: Tuesday, January 13, 2004 5:38 PM
To: Kieling, Martyne
Subject: INTERA invoice No. 11-03-39

Martyne,

I have reviewed the outstanding invoice and called Rhino for clarification. Based on the back-up provided I determined that the Disposal of Miscellaneous Trash line item should equal \$350.00 and the Transportation and Disposal of Materials should equal \$1,192.50. You have the back-up for these amounts let me know if you need any clarification. The total amount due on the outstanding invoice (INTERA No. 11-03-39) with tax should be: **\$3356.90**.

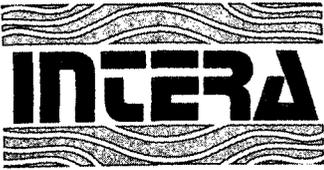
Please call me with questions or if you do not agree. Thanks,

Joe

Joseph J. Tracy, R.G.
Geologist
INTERA Inc.
One Park Square
6501 Americas Parkway NE
Suite 820
Albuquerque, NM 87110
(505) 246-1600 ext. 219
Fax (505) 246-2600

This e-mail may contain confidential information or material protected by the attorney-client privilege. If you are not the intended recipient, please inform immediately to Joseph Tracy by return e-mail at jtracy@intera.com or by telephone at (505) 246-1600 ext. 219

1/14/2004



Norm Survey
Bill Not Included...
Billed Full amount on Invoice
was actually LESS

November 11, 2003

Ms. Martyne J. Kieling
Environmental Geologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

- **RE: Invoice No. 11-03-39**

Ms. Kieling:

INTERA Inc. (INTERA) appreciates the opportunity to work with the New Mexico Oil Conservation Division. Enclosed you will find INTERA Invoice No. 11-03-39, submitted to you for the work conducted through the end of October 2003 at the Araho, Inc. Facility in Lovington, New Mexico. The costs on the enclosed invoice reflect those charges associated with the project management, NORM survey, and field work portion of the project (Tasks 1, 2, and 3).

A final report is currently being prepared by INTERA for your review (Task 4). If you have any questions regarding the enclosed invoice, please do not hesitate to contact me at (505) 246-1600 ext. 219. Thank you very much.

Sincerely,
INTERA Inc.

A handwritten signature in black ink, appearing to read "J. Tracy". The signature is stylized and cursive.

Joseph Tracy, PG
Project Manager

Enclosure: Invoice No. 11-03-39 with back-up

Kieling, Martyne

From: Joseph J. Tracy [jtracy@intera.com]
Sent: Thursday, October 30, 2003 1:14 PM
To: Kieling, Martyne
Cc: Stacy A. Sabol
Subject: ARAHO Change Order

artyne,

ere is the change order. Tasks 1, 2, and 3 are complete for the project. Task 4 (the report) is the only Task which remains finished.

Authorized Amount	\$	101,446.68	
Total Costs plus Report Budget (Task 4)	\$	121,280.49	
Change Order Amount	\$		19,833.81

is obvious that we are going to have to work on the Rhino costs, what they have submitted and what Konrad has in his notes are two different things. I will be working on that today and tomorrow so we can get you an invoice by Monday. That means that this change order is the maximum amount or worst-case scenario. We need clarification from Rhino on line items 44, 45, 49, and 57 in the attached spreadsheet. We will either get more back-up and/or clarification from them or a reduction in their costs. I apologize for the delay in getting this to you. Thanks and please call me with questions,

re

Joseph J. Tracy, R.G.
 Geologist
 ITERA Inc.
 One Park Square
 501 Americas Parkway NE
 Suite 820
 Albuquerque, NM 87110
 (505) 246-1600 ext. 219
 Fax (505) 246-2600

This e-mail may contain confidential information or material protected by the attorney-client privilege. If you are not the intended recipient, please inform immediately to Joseph Tracy by return e-mail at jtracy@intera.com or by telephone at (505) 246-1600 ext. 19

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Costs to Oct. 30, 2003 and Report Budget

Task 1. Project Coordination and Fieldwork Preparation						
Professional Services	Contract Line	Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	3	\$	300.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$	268.00
Project Scientist/Engineer/Manager (INTERA J. Tracy)	0003	67.00	hour	38	\$	2,546.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$	208.00
Field Technician II	0005	50.00	hour	8	\$	400.00
Subtotal Professional Labor					\$	3,722.00
SUBTOTAL TASK 1:					\$	3,722.00
NMGRT @ 5.8125%					\$	216.34
GRAND TOTAL TASK 1:					\$	3,938.34
Task 2. Map Buried Utilities (1-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey						
Professional Services	Contract Line	Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$	104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$	800.00
Field Technician II	0005	50.00	hour	8	\$	400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	0	\$	-
Subtotal Professional Labor					\$	1,304.00
Expenses	Contract Line	Item	Rate	Unit	# of Units	Total
NORM Surveys	"At Cost"	1,300.00	each	1	\$	1,300.00
Subtotal Expenses					\$	1,300.00
SUBTOTAL TASK 2:					\$	2,604.00
NMGRT @ 5.8125%					\$	151.36
GRAND TOTAL TASK 2:					\$	2,755.36
Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching						
Professional Services	Contract Line	Item	Rate	Unit	# of Units	Total
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$	536.00
Staff Scientist/Engineer	0004	52.00	hour	11	\$	572.00
Field Technician II - Fieldwork	0005	50.00	hour	90	\$	4,500.00
Field Technician II - Fieldwork (INTERA K. Clark)	0005	50.00	hour	13.5	\$	675.00
Field Technician II - Foreman	0005	50.00	hour	70	\$	3,500.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	60	\$	2,100.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	10	\$	350.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	70	\$	1,750.00
Field Technician I - Laborer	0006	20.00	hour	120	\$	2,400.00
Field Technician I - Laborer (Sub. Rhino)	0006	20.00	hour	112	\$	2,240.00
Hourly Secretary	0010	30.00	hour	0	\$	-
Subtotal Professional Labor					\$	18,623.00
Expenses	Contract Line	Item	Rate	Unit	# of Units	Total
Mobilization of Equipment	0047	1.75	mile	629	\$	1,100.75
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	2,600	\$	28,080.00
Disposal of Contaminated Fluids (Cleaning Water)	0044	10.80	barrel	965	\$	10,422.00
Vacuum/Hot Truck	"At Cost"	750.00	day	10	\$	7,500.00
Vacuum/Hot Truck	"At Cost"	750.00	day	7.25	\$	5,437.50
Hot Oil Truck	"At Cost"	925.00	day	3.65	\$	3,376.25
Trackhoe Heavy Duty	0030	646.00	day	6	\$	3,876.00
Trackhoe Heavy Duty	0030	646.00	day	1	\$	646.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$	1,170.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	1	\$	195.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	12	\$	480.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	3	\$	120.00
Backhoe Medium Duty	0026	157.00	day	6	\$	942.00
Backhoe Medium Duty	0026	157.00	day	2.3	\$	361.10
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$	600.00
Clean Sand	"At Cost"	4.00	yard	200	\$	800.00
Land-Farm of Solid Waste at Rhine's OKD Permitted Facility	0045	31.15	yard	443	\$	13,799.45
Fresh Water Transport and Use	"At Cost"	1,490.25	project	1	\$	1,490.25
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$	300.00
Fresh Air/Safety Trainers/Personal Air Samplers	"At Cost"	300.00	day	5	\$	1,500.00
Hand-Held GPS Unit	"At Cost"	5.00	day	6	\$	30.00
Photocirculation Detector (PID)	0021	10.00	day	6	\$	60.00
Mileage	0042	0.25	mile	800	\$	200.00
Per Diem	0043	65.00	day	6	\$	390.00
Per Diem	0043	65.00	day	1	\$	65.00
Subtotal Expenses					\$	82,941.30
SUBTOTAL TASK 3:					\$	101,564.30
NMGRT @ 5.8125%					\$	5,963.42
GRAND TOTAL TASK 3:					\$	107,467.72
Task 4. Preparation of a Final Report						
Professional Services	Contract Line	Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	8	\$	800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$	1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$	2,080.00
Field Technician II	0005	50.00	hour	24	\$	1,200.00
Draftsperson II (Figures, Cross Sections)	0007	50.00	hour	16	\$	800.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$	240.00
Subtotal Professional Labor					\$	6,728.00
SUBTOTAL TASK 4:					\$	6,728.00
NMGRT @ 5.8125%					\$	391.87
GRAND TOTAL TASK 4:					\$	7,119.87
PROJECT GRAND TOTAL:					\$	121,280.49

Notes:
NMGRT - New Mexico Gross Receipts Tax

Authorized Amount	\$	101,446.68
Total Costs plus Report Budget	\$	121,280.49
Change Order Amount	\$	(19,833.81)



STATE OF NEW MEXICO
GENERAL SERVICES DEPARTMENT
PURCHASING DIVISION

AWARDED VENDOR
3 VENDORS

Telephone No. _____

PRICE AGREEMENT
AMENDMENT

PRICE AGREEMENT NUMBER: 30-805-09-18056

PRICE AGREEMENT AMENDMENT NO.: 1

TERM: OCTOBER 8, 2002 - OCTOBER 7, 2003

SHIP TO:
NMSIID AS SPECIFIED
LOCATION AS DESCRIBED
DESCRIBED IN BID
SANTA FE NM 87504-1149

INVOICE:
NMSIID AS SPECIFIED
LOCATION AS DESCRIBED
DESCRIBED IN BID
SANTA FE NM 87504-1149

CONTRACT ORDERS WILL INDICATE AGENCY CONTACT
PERSON

Procurement Specialist: ELIZABETH OLONA EEO

Telephone No.: 505-827 - 0480

COMMODITY: SITE MAINTENANCE & MONITORING

THIS PRICE AGREEMENT AMENDMENT IS TO BE ATTACHED TO THE RESPECTIVE PRICE AGREEMENT AND BECOME A PART THERE OF.

THIS AMENDMENT IS ISSUED TO REFLECT THE FOLLOWING EFFECTIVE
OCTOBER 7, 2003.

EXTEND PRICE AGREEMENT FROM: OCTOBER 7, 2003
TO: NOVEMBER 7, 2003

EXTENSION IS TO ALLOW FOR BID PROCESS.

EXCEPT AS MODIFIED BY THIS AMENDMENT, THE PROVISIONS OF THE PRICE
AGREEMENT SHALL REMAIN IN FULL FORCE AND EFFECT.

ACCEPTED FOR THE STATE OF NEW MEXICO

[Signature]
NEW MEXICO STATE PURCHASING AGENT

DATE: 11/03/03

PURCHASING DIVISION, 1100 ST. FRANCIS DRIVE 87505 /, PO BOX 26110, SANTA FE, NM 87502-0110 (505) 827-0472



One Park Square
6501 Americas Parkway NE
Suite 820
Albuquerque, New Mexico 87110
Tel: 505 246 1600
Fax: 505 246 2600

Fax

To: MARTYNE KIELING From: loc Tracy

Company: OCD

Fax: (505) 476-3462 Pages: 2

Phone: _____ Date: 10/8/03

Re: _____ CC: _____

*Includes cover sheet

Comments:

MARTYNE,

ATTACHED IS A COPY OF OUR AMENDMENT LETTER
EXTENDING THE CONTRACT UNTIL NOV. 7, 2003. THANKS,

Joe



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

October 7, 2003

Lori Wrotenbery

Director

Oil Conservation Division

Joseph Tracy
Intera, Inc.
6501 Americas Pkwy NE
Albuquerque, NM 87110

**RE: Revised Cost Estimate Based on Preliminary Field Findings
And Revised Work Plan, June 26, 2003
Modified on August 11, 2003**

Dear Joseph:

The New Mexico Oil Conservation Division (OCD) hereby approves the revised work plan submitted on June 26, 2003 and modified on August 11, 2003. Based on the fact that the material in the tanks is not liquid as original thought to be by the OCD and as bid by Intera, the revised work plan is approved to include additional costs for the solidification of sludge, the increase in volume to be trucked and the increased volume to be landfarmed. Enclosed please find copies of the two purchase documents that will cover this job. One is for \$57,100 and the other is for \$44,350.

The start of this job is dependant upon the extension of the State Highway Department Site Maintenance & Monitoring Contract 30-805-09-18056. If you have any questions please call me at 505-476-3488.

Sincerely,

Martyne J. Kieling
Environmental Geologist

Enclosures: Purchase Documents 03-199-000799 and 04-199-000308 and Access Agreement.

cc: Hobbs OCD
Pat Wise, Lovington City Manager, P.O. Box 1269, Lovington, NM 88260



CITY OF
LOVINGTON

214 South Love ~ Post Office Box 1269
Lovington, New Mexico 88260

BUSINESS
505.396.2884

FACSIMILE
505.396.6328

E-MAIL
admin@lovington-nm.org

ADMINISTRATION

PAT WISE
City Manager

CHARLES KELLEY
Asst. City Manager

RHONDA JONES
Clerk/Treasurer

RECEIVED

OCT 02 2003

OIL CONSERVATION
DIVISION

COMMISSIONERS

TROY J. HARRIS
Mayor

BILL SHIPP
Mayor Pro-Tem

ANNA TRUJILLO
Commissioner

DIXIE DRUMOND
Commissioner

ARTHUR SANCHEZ
Commissioner

September 29, 2003

New Mexico Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Araho Investigation and Remediation Project

Attn: Martyne J. Kieling
Environmental Geologist

Dear Ms. Kieling:

Enclosed for your files is an executed and filed copy of the Temporary Grant of Easement and Exhibits A & B for your Araho Project just south of Lovington. It is my hope that this dangerous and long neglected incursion over our municipal water supply may be remediated as soon as possible. Please advise of a firm start up date, once that is established.

Sincerely,
CITY OF LOVINGTON

Pat Wise
City Manager

xc: Secretary Ron Curry, Department of Environment
Secretary Joanna Prukop, ENMR Department
Patrick McMahon, Heidel, Samberson, Newell, Cox and McMahon

TEMPORARY GRANT OF EASEMENT

CITY OF LOVINGTON, P.O. Box 1269, Lovington, New Mexico, 88260 (hereinafter referred to as "City"), for consideration, grant to the NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES (hereinafter referred to as "EMNRD") and its OIL CONSERVATION DIVISION (hereinafter referred to as "Division"), their agents, employees and contractors, a temporary and limited easement in, to, upon and over all that portion of the following described real estate in Lea County, New Mexico, together with reasonable access thereto:

SURFACE ACCESS ONLY:

A tract of land containing 1 acre, more or less, and being a certain part of the southeast quarter (SE/4) of Section 1, Township 17 South (T. 17 S.), Range 36 East (R. 36 E.), N.M.P.M., Lea County, New Mexico, being more particularly described as follows:

Beginning at a point, the Northeast corner of this tract, from which the Southeast corner of the said Section 1 bears North 89°51' East, a distance of 461.4 feet, and South, a distance of 2291 feet; thence, South 89°51' West, a distance of 208.71 feet to the Northwest corner of this tract; thence, South, a distance of 208.71 feet to the Southwest corner of this tract; thence, North 89°51' East, a distance of 208.71 feet to the Southeast corner of this tract; thence, North, a distance of 208.71 feet to the point of beginning.

Subject to reservations, restrictions and easements appearing of record.

Access to said tract shall be by the route identified in Exhibit "A" attached here to and incorporated by reference.

Said easement is given for the purpose of conducting an investigation and remediation of contamination believed to exist at the site of the abandoned Araho, Inc. injection well facility located on the property described herein, which investigation may include drilling, constructing and maintaining upon the Property a monitor well or wells with which the Oil Conservation Division will use to assess and monitor contaminants believed to exist below the surface, routine visits to the Property, ingress and egress to the Property, sampling and inspecting the aforementioned monitor wells following initial construction, excavation of the property to investigate the nature and extent of contaminants believed to exist, excavation of the Property to remove any contamination found, and other activities inherent in the aforesaid investigation and remediation. Said easement shall terminate two years from the date signed unless terminated sooner by the Division's filing of a notice that it has concluded its investigation and remediation activities at the site. The City agrees not to unreasonably withhold an extension of this Easement if the Division files a notice that it has not concluded its investigation and remediation activities at the site.

Exhibit A

Yellow arrows highlight the driving directions from the Hobbs – Lovington Highway. The route is long but a fence now blocks an old lease road that used to be the most direct route.

Map: 7.5 Topographic Lovington SE Quad.

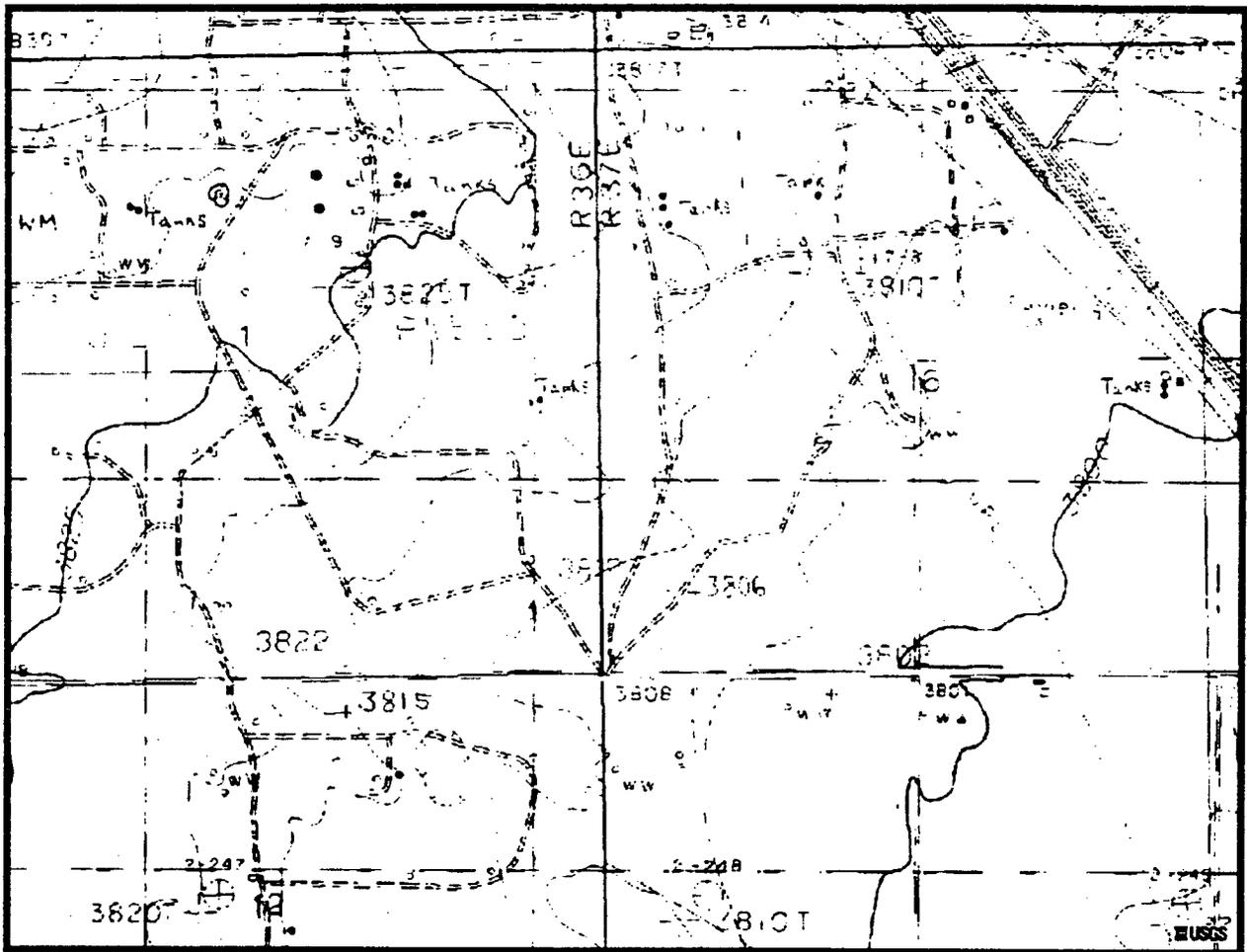


Exhibit B

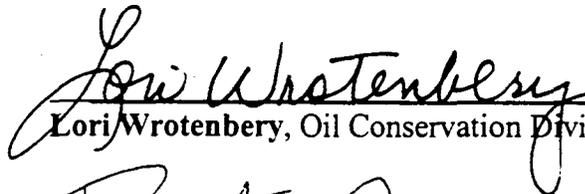
ADDENDUM

The following term and conditions are made part of the Temporary Grant of Easement and are set forth for the purpose of protecting the City of Lovington's interests in this matter.

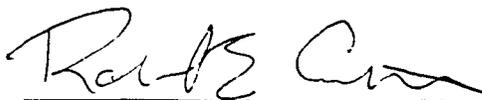
1. Regarding real property owned by the City, the Division will conduct no activity off of the Property without the express written consent of City.
2. The Division will not landfarm contaminated soil on the Property.
3. All activity undertaken by the Division will be at its own expense.
4. The Division will give the City 48 hours notice of all activities to be conducted on the Property.
5. Select City personnel and its agent(s) shall have unrestricted access to the Property, considering reasonable health and safety rules set forth by the Division.
6. The Division will contemporaneously copy all correspondence, reports, sampling results, and the like to the City.
7. Any fill material brought onto the Property by Division shall be not unlike background soils.
8. For the purposes set forth in the Easement, the Division agrees that Navajo Refining Company, including any parent or subsidiary, is not an agent, employee or contractor of the Division.
9. The Easement, Exhibit "A" and this Addendum are binding upon the Division, its agents, employees, and contractors and the Division agrees to provide each with a copy of same.

WITNESS my hand and seal this 2 day of September, 2003.

By:


Lori Wrotenbery, Oil Conservation Division Director

By:


Robert Castillo, Administrative Services Division Director

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Revised Cost Estimate
Revision III
August 11, 2003

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Principal	0001	100.00	hour	4	\$ 400.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,276.00
SUBTOTAL TASK 1:					\$ 1,276.00
NMGRT @ 5.8125%					\$ 74.17
GRAND TOTAL TASK 1:					\$ 1,350.17
Task 2. Map Buried Utilities (I-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,704.00
Expenses	Contract Line		Unit	# of Units	Total
	Item	Rate			
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2:					\$ 3,004.00
NMGRT @ 5.8125%					\$ 174.61
GRAND TOTAL TASK 2:					\$ 3,178.61
Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$ 536.00
Staff Scientist/Engineer	0004	52.00	hour	12	\$ 624.00
Field Technician II - Fieldwork*	0005	50.00	hour	90	\$ 4,500.00
Field Technician II - Foreman	0005	50.00	hour	60	\$ 3,000.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	60	\$ 2,100.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	60	\$ 1,500.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Hourly Secretary	0010	30.00	hour	4	\$ 120.00
Subtotal Professional Labor					\$ 14,780.00
Expenses	Contract Line		Unit	# of Units	Total
	Item	Rate			
Mobilization of Equipment	0047	1.75	mile	630	\$ 1,102.50
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	2,600	\$ 28,080.00
Disposal of Contaminated Fluids (Cleaning Water)	0044	10.80	barrel	1,000	\$ 10,800.00
Vacuum/Jet Truck	"At Cost"	750.00	day	6	\$ 4,500.00
Trackhoe Heavy Duty	0030	646.00	day	6	\$ 3,876.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$ 1,170.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	12	\$ 480.00
Backhoe Medium Duty	0026	157.00	day	6	\$ 942.00
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$ 600.00
Clean Sand	"At Cost"	4.00	yard	250	\$ 1,000.00
Land-Farm of Solid Waste at Rhino's OCD Permitted Facility	0045	31.15	yard	470	\$ 14,640.50
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$ 300.00
Fresh Air/Safety Trailer/Personal Air Samplers	"At Cost"	300.00	day	6	\$ 1,800.00
Hand-Held GPS Unit	"At Cost"	5.00	day	3	\$ 15.00
Photoionization Detector (PID)	0021	10.00	day	6	\$ 60.00
Mileage	0042	0.25	mile	800	\$ 200.00
Per Diem	0043	65.00	day	8	\$ 520.00
Subtotal Expenses					\$ 70,086.00
SUBTOTAL TASK 3:					\$ 84,866.00
NMGRT @ 5.8125%					\$ 4,932.84
GRAND TOTAL TASK 3:					\$ 89,798.84
Task 4. Preparation of a Final Report					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Principal	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$ 2,080.00
Field Technician II	0005	50.00	hour	24	\$ 1,200.00
Draftsperson II (Figures, Cross Sections)	0007	50.00	hour	16	\$ 800.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$ 240.00
Subtotal Professional Labor					\$ 6,728.00
SUBTOTAL TASK 4:					\$ 6,728.00
NMGRT @ 5.8125%					\$ 391.07
GRAND TOTAL TASK 4:					\$ 7,119.07
PROJECT GRAND TOTAL:					\$ 101,446.68

Notes:

NMGRT = New Mexico Gross Receipts Tax

* The labor rate shown for "Field Technician II - Fieldwork" is provided on the assumption that a maximum of 90 hours of INTERA fieldwork and project management time will be required to complete the tank and piping removal and disposal portion of the project (subcontractor fieldwork time 60 hours total). This time estimate also includes sample trenching and sample collection; however, sample analytical costs are not included in this cost estimate. All INTERA costs will be invoiced on a time and materials basis; therefore a reduction of time or materials taken to complete the project results in a reduction of the final costs of the project.

Kieling, Martyne

From: Joseph J. Tracy [jtracy@intera.com]
Sent: Monday, August 11, 2003 5:15 PM
To: Kieling, Martyne
Cc: Stacy A. Sabol
Subject: Cost Estimate - Araho Facility

Martyne,

As you requested, here are the revised costs again for the Araho Facility, with the following changes:

- 1) Hot Oil Truck Removed
- 2) Cost for solids to be land farmed rather than disposed of
- 3) A new mobilization charge for equipment because now it is being moved out of Hobbs and we'll be charged to move it back when the job does begin. This charge resulted from the postponement of the work.
- 4) No new disposal rate for disposal of liquids. Rhino said the \$10.80/barrel was the best they could do.

Please call me if you have any questions. Thank you very much,

Joe

Joseph J. Tracy, R.G.
Geologist
INTERA Inc.
One Park Square
6501 Americas Parkway NE
Suite 820
Albuquerque, NM 87110
(505) 246-1600 ext. 219
Fax (505) 246-2600

This e-mail may contain confidential information or material protected by the attorney-client privilege. If you are not the intended recipient, please inform immediately to Joseph Tracy by return e-mail at jtracy@intera.com or by telephone at (505) 246-1600 ext. 219

8/14/2003

EXPENSE BUDGET INQUIRY

BUDGET FY= 04	FUND= 199	AGENCY= 521
ORGANIZATION= 0750	ACTIVITY=	FUNCTION=
OBJECT= 3532		

DESCRIPTION: REPORTABLE OTHER SERVICES
 SUB-OBJECT OPTION: BUDGETED POSITIONS: 0.00 REV SOURCE REF 1:
 STATUS IND: A SPENDING CONTROL IND: REV SOURCE REF 2:
 APPROPRIATION UNIT: 301 REV SOURCE REF 3:
 SERIES NUM:

	CURRENT AMOUNTS	BEGIN DAY AMOUNTS
	-----	-----
APPROVED BUDGET:	750,000.00	
CURRENT MODIFIED BUDGET:	750,000.00	750,000.00
PRE-ENCUMBERED:	239,588.00	239,588.00
ENCUMBERED:	76,682.15	76,682.15
EXPENDED:	0.00	0.00
UNOBLIGATED:	673,317.85	
UNCOMMITTED:	433,729.85	

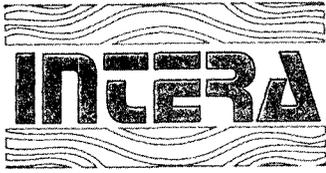
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Outstanding Encumbrance Report by Org Range and Date

0750 to 0750
7/1/2002 to 9/3/2003

Org	Object	PO Number	FY	PO Date	Vendor No.	Vendor Name	Line No.	Purchase Amt.	Expense Amt.	Current O/S Bal.
0750	3522	03199000604	03	02/21/2003	850454519	PINNACLE LABORATORIES INC	01	\$4,400.00	0.00	\$4,400.00
0750	3522	03199000605	03	02/21/2003	752439743	TRACE ANALYSIS INC	01	\$9,200.00	2,875.00	\$6,325.00
0750	3522	03199000606	03	02/21/2003	0000005086	INTERA INCORPORATED	01	\$15,000.00	0.00	\$15,000.00
0750	3522	03199000607	03	02/21/2003	911641772	AMEC EARTH & ENVIRONMENTAL INC	01	\$60,000.00	0.00	\$60,000.00
0750	3532	04199000046	04	07/02/2003	0000009904	BENTERRA CORPORATION	01	\$6,546.65	0.00	\$6,546.65
0750	3532	04199000057	04	07/03/2003	850403057	A-PLUS WELL SERVICE INC	01	\$19,200.00	0.00	\$19,200.00
0750	3532	04199000141	04	07/15/2003	751498487	MAYO MARRS CASING PULLING INC01	01	\$50,935.50	0.00	\$50,935.50
0750	3532	03199000199	03	11/26/2002	751498487	MAYO MARRS CASING PULLING INC01	01	\$114,350.50	0.00	\$114,350.50
0750	3532	03199000476	03	04/02/2003	751498487	MAYO MARRS CASING PULLING INC01	01	\$44,929.50	0.00	\$44,929.50
0750	3532	03199000479	03	04/02/2003	751498487	MAYO MARRS CASING PULLING INC01	01	\$35,717.00	0.00	\$35,717.00
0750	3532	03199000533	03	04/02/2003	751498487	MAYO MARRS CASING PULLING INC01	01	\$31,377.50	0.00	\$31,377.50
0750	3532	03199000539	03	05/13/2003	751498487	MAYO MARRS CASING PULLING INC01	01	\$210,156.10	0.00	\$210,156.10
0750	3532	03199000540	03	04/09/2003	751498487	MAYO MARRS CASING PULLING INC01	01	\$309,079.00	0.00	\$309,079.00
0750	3532	03199000694	03	04/16/2003	850403057	A-PLUS WELL SERVICE INC	01	\$55,999.00	48,696.81	\$7,302.19
0750	3532	03199000715	03	04/23/2003	850403057	A-PLUS WELL SERVICE INC	01	\$25,852.40	7,479.53	\$18,372.87
0750	3532	03199000799	03	05/16/2003	0000005086	INTERA INCORPORATED	01	\$57,100.00	0.00	\$57,100.00
0750	3532	03199000803	03	06/05/2003	850403057	A-PLUS WELL SERVICE INC	01	\$17,424.00	0.00	\$17,424.00
0750	3532	03199000811	03	05/23/2003	850454519	PINNACLE LABORATORIES INC	01	\$4,000.00	0.00	\$4,000.00
Grand Total:								\$1071267.15	\$9,051.34	\$1012215.81

FTI
 found them from



RECEIVED

JUL 14 2003

OIL CONSERVATION
DIVISION

Intera Incorporated
9111A Research Boulevard
Austin, Texas 78758
Telephone: 512 425 2000
Fax: 512 425 2099

New Mexico Oil Conservation Division
Attn: Sally Martinez
1220 South Saint Francis Drive
Santa Fe, NM 87505

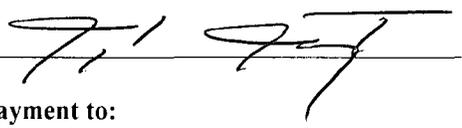
July 15, 2003
Invoice No:06-03-34
PROJECT NO: NMO-ARA

To Invoice for services rendered.
RE: Phase I Surface Investigation and Clean-up at ARAHO, Inc
Contract#308050918056
PO#03-199-000799
Billing Period: 6-1-2003/6-30-2003
Project Manager: Joseph Tracy

Professional Services

Task 1-Project Coordination & Fieldwork Preparation

Principal					
S. Sabol	3.00	hrs at	\$100.00		\$300.00
Project Geologist					
J. Tracy	12.00	hrs at	\$67.00		804.00
Staff Engineer					
J. Marez	4.00	hrs at	\$52.00		208.00
Subtotal	19.00				<u>1,312.00</u>
Total Charges					<u>1,312.00</u>
NMGRT 5.8125%					<u>76.26</u>
Total Invoice					<u><u>\$1,388.26</u></u>

Approved by: 

Please remit payment to:
INTERA Inc
9111A Research Blvd.
Austin, TX 78758

PLEASE REFERENCE INVOICE NUMBER ON ALL PAYMENTS



RECEIVED

JUN 20 2003

OIL CONSERVATION
DIVISION

Intera Incorporated
One Park Square, Suite 820
6501 Americas Parkway NE
Albuquerque, NM 87110
Telephone: 505 246 1600
Fax: 505 246 2600

June 26, 2003

Ms. Martyne J. Kieling
Environmental Geologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

RE: Request for Change Order

- **Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico**

Ms. Kieling:

Upon your approval of our proposal and issuance of a purchase order (Document No. 03-199-000799) INTERA, Inc. (INTERA) began preliminary work at the Araho, Inc. Facility (Site) in Lea County, New Mexico. INTERA's subcontractor, Rhino Environmental Services, Inc. (Rhino) of El Paso, Texas, sent representatives to the Site to collect samples of the materials in the aboveground storage tanks (ASTs) in order to profile the waste stream prior to disposal. Upon opening tanks and attempting to retrieve samples, it was determined that most of the waste in the ASTs, originally assumed to be readily viscous liquid, was in a semi-solid state. Additionally, further inspection by Rhino determined that less than 1% of the total waste material is recyclable (the original cost assumed that the waste material could be recycled rather than disposed of).

INTERA requests that the New Mexico Oil Conservation Division (OCD) issue a change order for the project in the amount of **\$46,122.40**. The estimated total project costs, including the additional costs, are outlined on the attached spreadsheet. The summary of additional costs is:

1. The costs for the disposal of waste material liquids has increased to \$10.80 barrel;
2. INTERA included costs for a hot oil truck;
3. INTERA included costs for mixing semi-solid waste material with sand and disposing of it as solid waste;
4. The amount of time Rhino workers on site will increase by 10 hours;
5. INTERA oversite time, field work time, and project management time has increased.

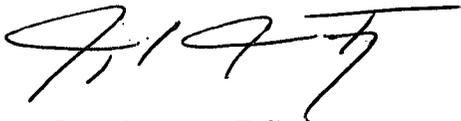
All costs will be invoiced on a time and materials basis. It should be noted that if heating the waste material with a hot oil truck will allow the waste material to become viscous enough to be pumped from each AST, then the line items outlining the costs to mix the semi-solid waste material with sand and to dispose of the waste material/sand mixture as solid waste can be eliminated.

INTERA assumes the following:

1. All field work related to the tank removal and soil sampling can be completed in a period of 60 hours;
2. All materials (either metal or waste material) are below Naturally Occurring Radioactive Materials (NORM) allowable limits for transportation and disposal. Any material requiring disposal that exceeds NORM allowable limits may result in an increase in costs;
3. At least 60% of the waste material will be sufficiently viscous to be vacuumed from each AST after high-pressure water jetting. The remaining 40% of the waste material will be removed either by high-pressure water jetting and vacuuming, heating with a hot oil truck and then high pressure jetting and vacuuming, or by mechanically opening each ASTs by removing fasteners holding the ASTs together and mixing the waste material with clean sand.
4. All other applicable assumptions as stated in the original Scope of Work (SOW) dated April 30, 2003 are still in effect.

Please call us with any questions or comments regarding this change order. Thank you very much.

Sincerely,
INTERA Inc.



Joseph Tracy, RG
Project Manager



Stacy Sabol
Sector Manager

Enclosure:

- Revised Cost Estimate, Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico



State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Revised Cost Estimate

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	4	\$ 400.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,276.00
SUBTOTAL TASK 1:					\$ 1,276.00
NMGR @ 5.8125%					\$ 74.17
GRAND TOTAL TASK 1:					\$ 1,350.17
Task 2. Map Buried Utilities (I-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,704.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2:					\$ 3,004.00
NMGR @ 5.8125%					\$ 174.61
GRAND TOTAL TASK 2:					\$ 3,178.61
Task 3. Field Investigation: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Trenching					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$ 536.00
Staff Scientist/Engineer	0004	52.00	hour	12	\$ 624.00
Field Technician II - Fieldwork*	0005	50.00	hour	90	\$ 4,500.00
Field Technician II - Foreman	0005	50.00	hour	60	\$ 3,000.00
Field Technician I - Equipment Operator Trackhoe	0006	35.00	hour	60	\$ 2,100.00
Field Technician I - Equipment Operator Backhoe	0006	25.00	hour	60	\$ 1,500.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Hourly Secretary	0010	30.00	hour	4	\$ 120.00
Subtotal Professional Labor					\$ 14,780.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	2,600	\$ 28,080.00
Disposal of Contaminated Fluids (Cleaning Water)	0044	10.80	barrel	1,000	\$ 10,800.00
Vacuum/Jet Truck	"At Cost"	750.00	day	6	\$ 4,500.00
Trackhoe Heavy Duty	0030	646.00	day	6	\$ 3,876.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$ 1,170.00
Disposal of Miscellaneous Trash	"At Cost"	40.00	ton	12	\$ 480.00
Backhoe Medium Duty	0026	157.00	day	6	\$ 942.00
Hot Oil Truck	"At Cost"	925.00	day	3	\$ 2,775.00
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$ 600.00
Clean Sand	"At Cost"	4.00	yard	250	\$ 1,000.00
Disposal of Solid Waste Material (sand mixed with non-pumpable semi-solid waste material)	0045	6.48	barrel	2260	\$ 14,644.80
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$ 300.00
Fresh Air/Safety Trailer/Personal Air Samplers	"At Cost"	300.00	day	6	\$ 1,800.00
Hand-Held GPS Unit	"At Cost"	5.00	day	3	\$ 15.00
Photoionization Detector (PID)	0021	10.00	day	6	\$ 60.00
Mileage	0042	0.25	mile	800	\$ 200.00
Per Diem	0043	65.00	day	8	\$ 520.00
Subtotal Expenses					\$ 71,762.80
SUBTOTAL TASK 3:					\$ 86,542.80
NMGR @ 5.8125%					\$ 5,030.30
GRAND TOTAL TASK 3:					\$ 91,573.10
Task 4. Preparation of an Final Report					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$ 2,080.00
Field Technician II	0005	50.00	hour	24	\$ 1,200.00
Draftsperson II (Figures, Cross Sections)	0007	50.00	hour	16	\$ 800.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$ 240.00
Subtotal Professional Labor					\$ 6,728.00
SUBTOTAL TASK 4:					\$ 6,728.00
NMGR @ 5.8125%					\$ 391.07
GRAND TOTAL TASK 4:					\$ 7,119.07
PROJECT GRAND TOTAL:					\$ 103,220.94

Notes:

NMGR = New Mexico Gross Receipts Tax

* The labor rate shown for "Field Technician II - Fieldwork" is provided on the assumption that a maximum of 90 hours of INTERA fieldwork and project management time will be required to complete the tank and piping removal and disposal portion of the project (subcontractor fieldwork time 60 hours total). This time estimate also includes sample trenching and sample collection; however, sample analytical costs are not included in this cost estimate. All INTERA costs will be invoiced on a time and materials basis; therefore a reduction of time or materials taken to complete the project results in a reduction of the final costs of the project.

State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Araho, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Revised Cost Estimate

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	4	\$ 400.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,276.00
SUBTOTAL TASK 1:					\$ 1,276.00
NMGRT @ 5.8125%:					\$ 74.17
GRAND TOTAL TASK 1:					\$ 1,350.17
Task 2. Map Buried Utilities (1-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0005	50.00	hour	16	\$ 800.00
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Draftsperson II (Utility Mapping)	0007	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,704.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
NORM Survey	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00
SUBTOTAL TASK 2:					\$ 3,004.00
NMGRT @ 5.8125%:					\$ 174.61
GRAND TOTAL TASK 2:					\$ 3,178.61
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Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Hourly Secretary	0010	30.00	hour	4	\$ 120.00
Subtotal Professional Labor					\$ 14,780.00
Expenses	Contract Line Item	Rate	Unit	# of Units	Total
Disposal of Contaminated Fluids (Product)	0044	10.80	barrel	2,600	\$ 28,080.00
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Vacuum/Jet Truck	"At Cost"	750.00	day	6	\$ 4,500.00
Trackhoe Heavy Duty	0030	646.00	day	6	\$ 3,876.00
Transportation and Disposal of Materials (Scrap Metals, Piping, Tanks) below NORM allowable limits	"At Cost"	195.00	load	6	\$ 1,170.00
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Backhoe Medium Duty	0026	157.00	day	6	\$ 942.00
Hot Oil Truck	"At Cost"	925.00	day	3	\$ 2,775.00
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$ 600.00
Clean Sand	"At Cost"	4.00	yard	250	\$ 1,000.00
Disposal of Solid Waste Material (sand mixed with non-pumpable semi-solid waste material)	0045	6.48	barrel	2260	\$ 14,644.80
Combustible Gas Indicator (CGI) with O2, H2S, CO2	0012	50.00	day	6	\$ 300.00
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Mileage	0042	0.25	mile	800	\$ 200.00
Per Diem	0043	65.00	day	8	\$ 520.00
Subtotal Expenses					\$ 71,762.80
SUBTOTAL TASK 3:					\$ 86,542.80
NMGRT @ 5.8125%:					\$ 5,030.38
GRAND TOTAL TASK 3:					\$ 91,573.18
Task 4. Preparation of an Final Report					
Professional Services	Contract Line Item	Rate	Unit	# of Units	Total
Principal	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
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SUBTOTAL TASK 4:					\$ 6,728.00
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PROJECT GRAND TOTAL:					\$ 103,220.94

Notes:

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One Park Square
6501 Americas Parkway NE
Suite 820
Albuquerque, New Mexico 87110
Tel: 505 246 1600
Fax: 505 246 2600

Fax

To: MARTYNE KEILING From: Joe Tracy

Company: OCD

Fax: (505) 476-3262 Pages: 4

Phone: _____ Date: 6/27/03

Re: CHANGE ORDER CC: _____

*Includes cover sheet

Comments:

MARTYNE,

ATTACHED IS OUR CHANGE ORDER REQUEST LETTER

W/ REVISED COST ESTIMATE SPREADSHEET. PLEASE

REVIEW & CALL ME W/ ANY QUESTIONS. THANK

YOU!

[Signature]



Intera Incorporated
 One Park Square, Suite 820
 6501 Americas Parkway NE
 Albuquerque, NM 87110
 Telephone: 505 246 1600
 Fax: 505 246 2600

June 26, 2003

Ms. Martyne J. Kicling
 Environmental Geologist
 New Mexico Oil Conservation Division
 1220 South Saint Francis Drive
 Santa Fe, NM 87505

* August 11th. Start Date

6 10 Hours Pay

RE: Request for Change Order
 • **Phase I Investigation and Remediation Facility, Lea County, New Mexico**

sal

Ms. Kicling:

Upon your approval of our proposal and issuance of a purchase order (Document No. U3-199-000799) INTERA, Inc. (INTERA) began preliminary work at the Arahco, Inc. Facility (Site) in Lea County, New Mexico. INTERA's subcontractor, Rhino Environmental Services, Inc. (Rhino) of El Paso, Texas, sent representatives to the Site to collect samples of the materials in the aboveground storage tanks (ASTs) in order to profile the waste stream prior to disposal. Upon opening tanks and attempting to retrieve samples, it was determined that most of the waste in the ASTs, originally assumed to be readily viscous liquid, was in a semi-solid state. Additionally, further inspection by Rhino determined that less than 1% of the total waste material is recyclable (the original cost assumed that the waste material could be recycled rather than disposed of).

INTERA requests that the New Mexico Oil Conservation Division (OCD) issue a change order for the project in the amount of **\$46,122.40**. The estimated total project costs, including the additional costs, are outlined on the attached spreadsheet. The summary of additional costs is:

1. The costs for the disposal of waste material liquids has increased to \$10.80 barrel;
2. INTERA included costs for a hot oil truck;
3. INTERA included costs for mixing semi-solid waste material with sand and disposing of it as solid waste;
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5. INTERA oversite time, field work time, and project management time has increased.

All costs will be invoiced on a time and materials basis. It should be noted that if heating the waste material with a hot oil truck will allow the waste material to become viscous enough to be pumped from each AST, then the line items outlining the costs to mix the semi-solid waste material with sand and to dispose of the waste material/sand mixture as solid waste can be eliminated.

Page 2
New Mexico Oil Conservation Division
Ms. Martyne J. Kicling
June 26, 2003

INTERA assumes the following:

1. All field work related to the tank removal and soil sampling can be completed in a period of 60 hours;
2. All materials (either metal or waste material) are below Naturally Occurring Radioactive Materials (NORM) allowable limits for transportation and disposal. Any material requiring disposal that exceeds NORM allowable limits may result in an increase in costs;
3. At least 60% of the waste material will be sufficiently viscous to be vacuumed from each AST after high-pressure water jetting. The remaining 40% of the waste material will be removed either by high-pressure water jetting and vacuuming, heating with a hot oil truck and then high pressure jetting and vacuuming, or by mechanically opening each ASTs by removing fasteners holding the ASTs together and mixing the waste material with clean sand.
4. All other applicable assumptions as stated in the original Scope of Work (SOW) dated April 30, 2003 are still in effect.

Please call us with any questions or comments regarding this change order. Thank you very much.

Sincerely,
INTERA Inc.



Joseph Tracy, RG
Project Manager



Stacy Sabol
Sector Manager

Enclosure:

- Revised Cost Estimate, Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico



**State of New Mexico
Oil Conservation Division
Phase I Investigation and Remediation
Arako, Inc.
Former Injection Well Disposal Facility,
Lea County, New Mexico
Revised Cost Estimate**

Task 1. Project Coordination and Fieldwork Preparation					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Division	0001	100.00	hour	4	\$ 400.00
Project Scientist/Engineer/Manager	0003	67.00	hour	4	\$ 268.00
Staff Scientist/Engineer	0004	52.00	hour	4	\$ 208.00
Field Technician II	0005	50.00	hour	4	\$ 200.00
Subtotal Professional Labor					\$ 1,276.00

Task 2. Map Buried Utilities (I-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey

Task 2. Map Buried Utilities (I-Call) and Perform Naturally Occurring Radioactive Materials (NORM) Survey					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Staff Scientist/Engineer	0004	52.00	hour	2	\$ 104.00
Field Technician II - Mobilization	0001	50.00	hour	16	\$ 800.00
Field Technician II	0005	50.00	hour	8	\$ 400.00
Draftsperson II (Utility Mapping)	0007	50.00	hour	8	\$ 400.00
Subtotal Professional Labor					\$ 1,704.00
Expenses	Contract Line		Unit	# of Units	Total
NORM Survey	Item	Rate			
	"At Cost"	1,300.00	each	1	\$ 1,300.00
Subtotal Expenses					\$ 1,300.00

Task 3. Field Investigations: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Tracing

Task 3. Field Investigations: Tank Removal/Cleaning/Disposal and Piping Removal/Disposal and Sampling/Tracing					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Project Scientist/Engineer/Manager	0003	67.00	hour	8	\$ 536.00
Staff Scientist/Engineer	0004	52.00	hour	12	\$ 624.00
Field Technician II - Fieldwork*	0005	50.00	hour	90	\$ 4,500.00
Field Technician II - Foreman	0001	50.00	hour	60	\$ 3,000.00
Field Technician I - Equipment Operator Tractor	0006	35.00	hour	60	\$ 2,100.00
Field Technician I - Equipment Operator Backhoe	0005	25.00	hour	60	\$ 1,500.00
Field Technician I - Laborer	0006	20.00	hour	60	\$ 1,200.00
Field Technician I - Laborer	0005	20.00	hour	60	\$ 1,200.00
Hourly Secretary	0010	30.00	hour	4	\$ 120.00
Subtotal Professional Labor					\$ 14,780.00

Expenses	Contract Line		Unit	# of Units	Total
	Item	Rate			
Disposal of Contaminated Fluids (Product)	0044	10.00	barrel	2,600	\$ 26,000.00
Disposal of Contaminated Fluids (Cleanse Water)	0044	10.00	barrel	1,000	\$ 10,000.00
Vacuum/Truck	"At Cost"	750.00	day	6	\$ 4,500.00
Tractor Heavy Duty	0020	640.00	day	6	\$ 3,876.00
Transportation and Disposal of Materials (Scrap Metals, Paving, Trench) below NORM allowable limits	"At Cost"	165.00	load	6	\$ 1,170.00
Disposal of Manhole/Disposal Trench	"At Cost"	40.00	day	12	\$ 480.00
Backhoe Medium Duty	0026	157.00	day	6	\$ 942.00
Hot Oil Truck	"At Cost"	924.00	day	3	\$ 2,772.00
Delivery of Two 20 Yard Roll-Off Containers	"At Cost"	300.00	each	2	\$ 600.00
Clean Sand	"At Cost"	4.00	cubic yard	250	\$ 1,000.00
Disposal of Solid Waste Material (sand mixed with non-pumpable semi-solid waste material)	0045	6.48	barrel	2260	\$ 14,644.80
Combustible Gas Analyser (CGA) with O2, H2S, CO2	0012	50.00	day	6	\$ 300.00
Fresh Air/Ready To-Use/Personal Air Samplers	"At Cost"	300.00	day	6	\$ 1,800.00
Hand-Held GPS Unit	"At Cost"	5.00	day	3	\$ 15.00
Positioning System Detector (PID)	0021	10.00	day	6	\$ 60.00
Mileage	0047	0.25	mile	800	\$ 200.00
Fur Diem	0048	65.00	day	8	\$ 520.00
Subtotal Expenses					\$ 71,762.80

Task 4. Preparation of a Final Report

Task 4. Preparation of a Final Report					
Professional Services	Contract Line		Unit	# of Units	Total
	Item	Rate			
Division	0001	100.00	hour	8	\$ 800.00
Project Scientist/Engineer/Manager	0003	67.00	hour	24	\$ 1,608.00
Staff Scientist/Engineer	0004	52.00	hour	40	\$ 2,080.00
Field Technician II	0005	50.00	hour	24	\$ 1,200.00
Draftsperson II (Figures, Cross Sections)	0007	20.00	hour	16	\$ 320.00
Administrator (Technical Editor)	0009	40.00	hour	6	\$ 240.00
Subtotal Professional Labor					\$ 6,228.00

Notes:
 NMGRT = New Mexico Gross Receipts Tax
 * The labor rate shown for "Field Technician II - Fieldwork" is provided on the assumption that a maximum of 90 hours of INLLSA fieldwork and project management time will be required to complete the tank and piping removal and disposal portion of the project (subcontractor fieldwork time 60 hours total). This time estimate also includes sample tracing and sample collection, however, sample analytical costs are not included in this cost estimate. All INTCRA costs will be invoiced on a time and materials basis; therefore a reduction in time or materials taken to complete the project results in a reduction of the final costs of the project.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

September 2, 2003

Lori Wrotenbery
Director
Oil Conservation Division

Patrick B. McMahon
311 North First Street
Post Office Drawer 1599
Lovington, NM 88260

**RE: Araho Investigation and Remediation Project
SE/4 Section, Township 17 South, Range 36 East, NMPM, Lea county NM**

Mr. McMahon:

Enclosed please find the Temporary Grant of Easement and Exhibits A and B for the Araho project on the City of Lovington property. The New Mexico Energy Minerals and Natural Resources Department, Oil Conservation Division and Administrative Services Division Directors have signed Exhibit B. Please review the enclosed documents and if they meet with the City of Lovington's approval please have them sign and notarize the easement. The easement will then need to be registered with the county.

The OCD will require a copy from the County upon registration. A start date for the project will be set upon receipt of a copy of the registration. The OCD will notify Mr. Wise as to the start date as soon as it is known. Please call me if there is anything additional that is required 505-476-3488.

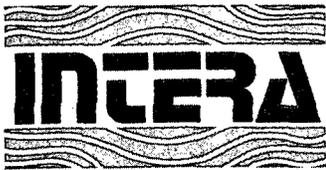
Sincerely,

A handwritten signature in black ink, appearing to read "Martyne J. Kieling".

Martyne J. Kieling
Environmental Geologist

Attachments: Original Temporary Grant of Easement, Exhibit A and signed Exhibit B

xc: Pat Wise, City Manager, City of Lovington, PO Box 1269, Lovington NM 88260
File GW-037



Intera Incorporated
One Park Square, Suite 820
6501 Americas Parkway NE
Albuquerque, NM 87110
Telephone: 505 246 1600
Fax: 505 246 2600

RECEIVED

APR 29 2003
Environmental Bureau
Oil Conservation Division

April 29, 2003

Ms. Martyne J. Kieling
Environmental Geologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, NM 87505

RE: Transmittal of Proposal:

- **Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico**

Ms. Kieling:

INTERA Inc. (INTERA) appreciates the opportunity to provide you with the enclosed proposal. The proposal has been prepared for the investigation and remediation of the Araho, Inc. former injection well disposal facility located in Lea County, New Mexico. We have based our proposal on the scope of work that you provided. Attached to this letter are two copies of our proposal which include a scope of work describing how INTERA will complete the project, a cost estimate, and a photo log. All costs will be invoiced on a time and materials basis, a reduction in time and/or materials taken to complete the project result in a reduction in the final cost to complete the project.

INTERA will perform the proposed work under the terms of the contract between INTERA and the State of New Mexico General Services Department, Contract No. 30-805-09-18056.

Again, we thank you for the opportunity to bid on this project and hope that you will consider INTERA for future projects where the services of a responsive and quality consulting firm are needed. If you have any questions regarding the attached proposal, please do not hesitate to contact us at (505) 246-1600.

Regards,
INTERA Inc.

Joseph Tracy, PG
Project Manager

Ms. Stacy Sabol
Sector Manager

Enclosures:

- **Scope of Work, Cost Proposal, and Photo Log – Phase I Investigation and Remediation, Araho, Inc., Former Injection Well Disposal Facility, Lea County, New Mexico**

Order:
Case No.:
Date: 1974-1993 Injection well facility
Name: Araho, Inc.
Address: (As of May 1998) 8100 N. Alabama, Hobbs, NM 88240
Location: NW/4 of Section 1, T 17 S, R 36 E, NMPM, Lea County, NM

NMPRC name: Araho, Inc.
Mailing address: 8100 N. Alabama, Hobbs, NM 88240
Principal Address: 8100 N. Alabama, Hobbs, NM 88240
Incorporators: Dorothy Runnels, 8100 N. Alabama, Hobbs, NM 88240

Director: Dorothy Runnels, 8100 N. Alabama, Hobbs, NM 88240

Bond: None/ well plugged the surface equipment is remaining.

Surface Owner: City of Lovington, 214 South Love Street, Lovington, NM 88260
(505) 396-2884

Order:
Case No.:
Date: 1974-1993 Injection well facility
Name: Araho, Inc.
Address: (As of May 1998) 8100 N. Alabama, Hobbs, NM 88240
Location: NW/4 of Section 1, T 17 S, R 36 E, NMPM, Lea County, NM

NMPRC name: Araho, Inc.
Mailing address: 8100 N. Alabama, Hobbs, NM 88240
Principal Address: 8100 N. Alabama, Hobbs, NM 88240
Incorporators: Dorothy Runnels, 8100 N. Alabama, Hobbs, NM 88240

Director: Dorothy Runnels, 8100 N. Alabama, Hobbs, NM 88240

Bond: None

Surface Owner: City of Lovington, 214 South Love Street, Lovington, NM 88260
(505) 396-2884

Score: 20

Name: Araho, Inc.

File: GW-037

Location: 5 miles south of Lovington.
NW/4 of Section 1, Township 17 South, Range 36 East, NMPM,
Lea County, New Mexico.

Status: Araho, Inc. was an injection well facility from 1974 to 1993. The last owner of record was Dorothy Runnels. The facility received waste from the Navajo Refinery via pipeline when it was operated by Southern Union.

There is no bond on file for Araho, Inc.

Plan: The OCD has begun drafting a scope of work to include:
Remove fluid/sludge from tanks and pit. Dismantle tanks and recycle/dispose of tanks, pipe, drums and pit liner. Excavate and transport 1000 cubic yards of visually known contaminated soil. Collect soil samples for analysis. Excavate, transport and dispose of 6,453 cubic yards of contaminated soil from leaks below the pit, tanks and underground pipes.

Est. Cost: \$434,000

Date: January 8, 2003

NMPRC Corporation Information Inquiry

Public Regulation Commission

1/7/2003

- [Follow this link to start a new search.](#)

ARAHO, INC.

SCC Number: **0789362**
 Tax & Revenue Number: **01797247007**
 Incorporation Date: **DECEMBER 12, 1973, in NEW MEXICO**
 Corporation Type: **IS A DOMESTIC PROFIT**
 Corporation Status: **IS INACTIVE DUE TO REVOKED & BEYOND APPEAL PERIOD**
 Good Standing:
 Purpose: **OILFIELD SERVICES**

CORPORATION DATES

Taxable Year End Date: 12/31/98
 Filing Date: //
 Expiration Date:

SUPPLEMENTAL POST MARK DATES

Supplemental:
 Name Change:
 Purpose Change:

MAILING ADDRESS

8100 N. ALABAMA HOBBS , NEW MEXICO 88240

PRINCIPAL ADDRESS

8100 N. ALABAMA HOBBS NEW MEXICO 88240

PRINCIPAL ADDRESS (Outside New Mexico)

REGISTERED AGENT

DOROTHY RUNNELS

8100 N. ALABAMA HOBBS NEW MEXICO 88240

COOP LICENSE INFORMATION

Number:

Type:

Expiration Year:

INCORPORATORS

RUNNELS, DOROTHY

NONE

RUNNELS, DOROTHY

RUNNELS, DOROTHY

DIRECTORS

Date Election of Directors: 01/02/97

RUNNELS, DOROTHY 8100 W. ALABAMA HOBBS , NM 88240

New Program Initiatives – non-recurring expenditures.

SUMMARY

From 1974 to 1993 Araho Inc. operated an oilfield treating plant facility and injection well, located 5 miles south of Lovington, New Mexico, (Section 1, Township 17 south, Range 36 East, NMPM, Lea County). The facility is located above the Ogallala Formation, which is the primary source of drinking water for the city of Lovington. Groundwater is estimated to be approximately 50 feet below ground surface.

The facility contains: (see attached photos)

1. One 150 ft. by 150 ft. lined pit containing approximately 3333 cubic yards of water, sludge and oil that overflows on to the ground surface with each precipitation event;
2. Eight above ground storage tanks containing approximately 1,600 barrels of fluids and sludge;
3. Approximately 1000 feet of buried pipe; and
4. Surface trash including 15 barrels.

During a preliminary investigation in October 2000, four boreholes were drilled through the subsurface to ground water. The investigation revealed that the liner beneath the pit appears to be still intact and groundwater has not been impacted. However, when it rains the pond and an open-top tank overflow onto the ground surface. The New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division is concerned that if the facility is left in its present condition, ground water and the water supply for the city of Lovington could be impacted in the future.

PERFORMANCE GOALS

This investigation, cleanup, and restoration project would be protective of ground water supplies and therefore would advance the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division performance goal of Protection of Healthy Ecosystems. "The purpose of the healthy ecosystem program is to protect ecosystems throughout the state by identifying at-risk areas; preventing additional damage; and restoring damaged areas."

COST

The total cost for this project is estimated to be \$434,000. The cost break down is as follows:

Remove fluid/sludge from tanks and pit. Dismantle tanks and recycle/dispose of tanks, pipe, drums and pit liner. Excavate and transport 1000 cubic yards of visually known contaminated soil. Collect soil samples for analysis. \$196,000.

Excavate, transport and dispose of 6,453 cubic yards of contaminated soil from leaks below the pit, tanks and underground pipes. \$233,000.

Analysis of soil samples \$5,000.

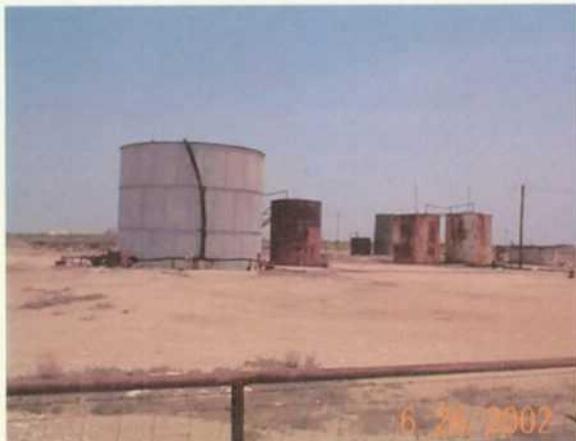


Photo 1: June 26, 2002



Photo 4: June 26, 2002



Photo 2: June 26, 2002



Photo 5: August 2000



Photo 3: June 26, 2002



Photo 6: August 2000



Photo 7: August 2000



Photo 10: August 2000



Photo 8: August 2000



Photo 9: August 2000

PRICE ESTIMATE -
ARAHO Property - Lovington, NM

SCOPE OF WORK -

- 1) Pumping and disposal of sludge/liquid from 8 above ground storage tanks
- 2) Cleaning, dismantling and disposal of tanks (including approx. 1000 ft of piping and 15- 55 gallon drums)
- 3) Pumping and disposal of sludge/liquid from sludge pit (approx. .55 acres)
- 4) Excavation, transportation and disposal of 1000 cu. Yds of contaminated soil
- 5) Collection of 25 soil samples for analysis (to be determined by OCD)
- 6) Report detailing all on-site activities

Vendor No. 5187719
 PA Number: 008050917658

RESPEC Inc.
 Commodity Code: 72002 66074

LN	QTY	RATE	UNIT	COST	DESCRIPTION
*0002	24	\$75.00	Hour	\$1,800.00	Senior Scientist
*0003	40	\$60.00	Hour	\$2,400.00	Project Manager/Certified Scientist
*0004	40	\$50.00	Hour	\$2,000.00	Staff Scientist
*0005	40	\$35.00	Hour	\$1,400.00	Field Technician II
*0006		\$30.00	Hour	\$0.00	Field Technician I
*0010		\$30.00	Hour	\$0.00	Secretary
*0021		\$50.00	Day	\$0.00	PID
*0025	5	\$150.00	Day	\$750.00	Backhoe 1
*0026		\$200.00	Day	\$0.00	Backhoe 2
*0027		\$300.00	Day	\$0.00	Backhoe 3
*0028		\$350.00	Day	\$0.00	Trackhoe 1
*0029		\$500.00	Day	\$0.00	Trackhoe 2
*0031		\$1.50	Foot	\$0.00	2" blank PVC, 10 ft sections
*0033		\$2.80	Foot	\$0.00	2" screen, 10 ft sections
*0035		\$8.29	Each	\$0.00	Filter Pack Sand per 100# sack
*0036		\$46.75	Each	\$0.00	Bentonite pellets per 50# sack
*0037		\$8.50	Each	\$0.00	Bentonite Chips per 50# sack
*0038		\$50.00	Each	\$0.00	8" Manhole (well vault)
*0042	1200	\$0.30	Mile	\$360.00	Personal Vehicle Mileage
*0043	12	\$60.00	Each	\$720.00	Per Diem/Overnight
*0047		\$1.00	Mile	\$0.00	Mobe/Demobe: Drill Rig (Medium duty)
*0048		\$13.00	Foot	\$0.00	Hollow-Stem Auger Drilling Services (S-M)
*0049		\$19.00	Foot	\$0.00	Hollow-Stem Auger Drilling Services (L)
*0050		\$170.00	Hour	\$0.00	Air Rotary Drill Rig
*0051		\$12.00	Foot	\$0.00	Coring
*0052		\$100.00	Day	\$0.00	Water Truck -
*0053		\$50.00	Day	\$0.00	Pick up Truck -
*0054		\$50.00	Day	\$0.00	Steam cleaner
N/A	600	\$68.00	Hour	\$40,800.00	Vacuum Truck
N/A	17000	\$4.00	Barrel	\$68,000.00	Sludge/Liquid Disposal
N/A	1000	\$7.00	Yd	\$7,000.00	Excavation & Loading of Contaminated Soil
N/A	1000	\$9.00	Yd	\$9,000.00	Transportation of Contaminated Soil
N/A	1000	\$16.00	Yd	\$16,000.00	Disposal of Contaminated Soil
N/A	1500	\$4.00	Yd	\$6,000.00	Clean Backfill (including transportation)
				\$29,000.00	Tank and Piping Disposal

TOTAL \$185,230.00 (a) + 0.058125 (NMGRT) : **\$195,996.49**

NOTE: LABORATORY COSTS ARE NOT INCLUDED

Contingency -

Excavate, transport and dispose of 6,453 cu yds. of contaminated soil (top two feet of two acres) - \$ 232,308.00



Photo 1: Entrance Sign



Photo 4: Pit overflow into unlined bermed area approximately 10x11 feet

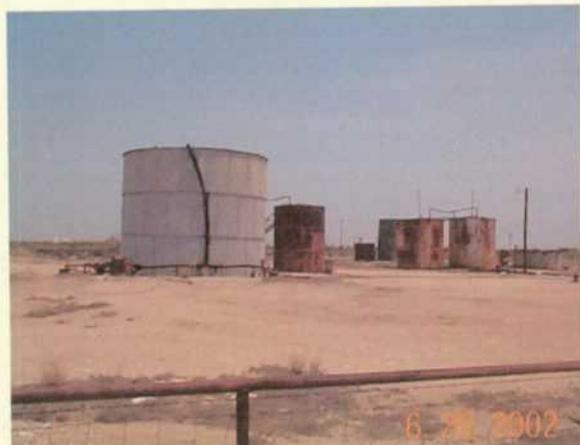


Photo 2: One 3000bbl tank 1/3 full and other assorted tanks. Surface soil very spongy and loose no vegetation. Looking North



Photo 5: Lined pit approximately 150x150 feet and 4 feet deep. Looking Southwest



Photo 3: Floor of old office and trash drums. Looking Northwest