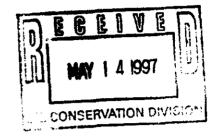
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MISC.

#### AMERADA HESS CORPORATION

SAMUEL W. SMALL, PE OFFICE 915/758-6741 FAX 915/758-6768 P.O. BOX 840 SEMINOLE, TEXAS 79360 915/758-6700

May 12, 1997



#### CERTIFIED MAIL RETURN RECEIPT REQUESTED P 421 645 872

Mr. William C. Olson Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico

RE: Ground Water Investigation Durham State 'A' Tank Battery Chevron Graham NCT 'B' Tank Battery ?

Dear Mr. Olson

Pursuant to your letter of March 6, 1997, enclosed find the laboratory analytical data sheets requested in conditions (1) and (2). We are <u>not</u> submitting a closure and monitoring status report as requested in condition (4) as we have not yet begun work on the project. Bids have recently been let for the project and we anticipate work starting during the week of May 12, 1997. The Hobbs NMOCD District Office will be notified prior to work starting, as requested in condition (5).

If you have any questions or need additional information, please contact the undersigned at, (915) 758-6741 or at the letterhead address.

Yours truly.

Samuel Small, PE Environmental Coordinator

RECEIVED

MAY 1 4 1997

Environmental Bureau Oil Conservation Division

xc: NMOCD Hobbs District Office w/ enclosure Houston Environmental File w/ enclosure Seminole District Environmental File Monument File Receiving Date: 03/18/97

Reporting Date: 03/20/97

Project Number. NOT GIVEN

Project Name: AMERADA HESS

Project Location: CHEVRON NCBT & DURHAM STATE "A"



:22

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR SAFETY & ENVIROMENTAL SOLUTIONS, INC. ATTN: DEE WHATLEY 703 E. CLINTON HOBBS, NM 88240 FAX TO: Sample Ty

Sampling Date: 03/18/97 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: AH/BC

LAB NUMBER	SAMPLE ID	Na	Ca	Mg	K	CI	SO4	CO3	HCO3
1		ppm							
ANALYSIS DA	TE:	03/20/97	03/19/97	03/19/97	03/19/97	03/19/97	03/19/97	03/19/97	03/19/97
H2854-1	CHEV. NCBT #1	248	155	54	4.1	540	131	0	317
H2854-2	CHEV. NCBT #2	278	155	102	3.9	700	160	0	322
H2854-3	CHEV. NCBT #3	244	179	85	4.2	740	85	0	249
H2854-4	OURH, ST. "A" #1	227	126	41	4.3	300	89	0	381
H2854-5	OURH. ST. "A" #2	131	115	46	4.0	280	74	0	361
H2854-8	DURH. ST. *A" #3	223	61	33	2.9	280	43	0	410
H2854-7	DURH, ST. "A" #4	310	32	20	1.8	320	59	0	400
Quality Control		NR	NR	NR	NR	480	105	NR	NR
True Value QC		NR	NR	NR	NR	500	100	NR	NR
% Accuracy		NR	NR	NR	NR	96.0	105	NR	NR
Relative Percen	t Difference	NR	NR	NR	NR	0	4.8	0	0
METHODS: EP	A 600/4-79-02					352.3	375.4		
	Std. Methods	\$111B	3111B	3111B	3111B		****	2320B	23208

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03/201

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ANALYTICAL RESULTS FOR SAFETY & ENVIROMENTAL SOLUTIONS, INC. ATTN: DEE WHATLEY 703 E. CLINTON HOBBS, NM 88240 FAX TO:

Receiving Date: 03/18/97 Reporting Date: 03/20/97 Project Number: NOT GIVEN Project Name: AMERADA HESS Project Location: CHEVRON NCBT & DURHAM STATE "A" Analysis Date:03/18/97 Sampling Date: 03/18/97 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: AH

LAB NUMBER

TDS (mg/L)

<b>Relative Perce</b>	ent Difference	0.1
% Accuracy		NR
True Value QC	>	NR
Quality Contro		NR
		1007
H2854-7	DURHAM ST. "A" #4	1087
H2854-6	DURHAM ST. "A" #3	775
H2854-5	DURHAM ST. "A" #2	900
H2854-4	DURHAM ST. "A" #1	1053
H2854-3	CHEVRON NCBT #3	1782
H2854-2	CHEVRON NCBT #2	1941
H2854-1	CHEVRON NCBT #1	1455

SAMPLE ID

METHOD: EPA 600/4-79-020, 160.1

Chemis

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ANALYTICAL RESULTS FOR SAFETY & ENVIROMENTAL SOLUTIONS, INC.. ATTN: DEE WHATLEY 703 E. CLINTON HOBBS, NM 88240 FAX TO:

Receiving Date: 03/18/97 Reporting Date: 03/20/97 Project Number: NOT GIVEN Project Name: AMERADA HESS Project Location: CHEVRON NCBT & DURHAM STATE "A" Sampling Date: 03/18/97 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: AH Analyzed By: BC

				ETHYL	TOTAL
		BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBER	SAMPLE ID	. (mg/L)	(mg/L)	* (mg/L)	(mg/L)
ANALYSIS DA	<u> </u>	03/19/97	03/19/97	03/19/97	03/19/97
	· · · · · · · · · · · · · · · · · · ·				
H2854-1	CHEVRON NCBT #1	<0.001	0.002	<0.001	<0.003
H2854-2	CHEVRON NCBT #2	< 0.001	0.002	<0.001	<0.003
H2854-3	CHEVRON NCBT #3	< 0.001	0.004	< 0.001	0.003
H2854-4	DURHAM ST. "A" #1	< 0.001	0.004	<0.001	0.003
H2854-5	DURHAM ST. "A" #2	<0.001	0.003	<0.001	<0.003
H2854-6	DURHAM ST. "A" #3	<0.001	0.003	<0.001	0.004
H2854-7	DURHAM ST. "A" #4	<0.001	0.003	<0.001	0.003
Quellin Quelle					
Quality Control		0.091	0.104	0.108	0.326
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		91.3	104	108	109
<b>Relative Percent</b>	nt Difference	9.5	4.0	7.6	7.9

METHOD: EPA SW 846-8260, 5030, GC/MS

2 Cooky

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Chevron NCBT	- Duckhan S	えた	"J		ア	$\mathcal{L}$		$\sim$	$\langle$			Ì			_	••••••••••••••••••••••••••••••••••••••									
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PHONE (505) 326-4669 + 118 S. COMMERCIAL AVE. + FARMINGTON, NM 87401

PHONE (806) 795-2800 + 5262 34th ST. + LUBBOCK, TX 79407

			ANALYTICAL	. RESULTS F	FOR				
			SAFETY &	ENVIRONN	IENTAL SO	DLUTIONS,	INC.		
			ATTN: DEE	WHATLEY	,				
			703 E. CLIN	ITON					
<b>Receiving Date</b>	: 09/30/96		HOBBS, NA	1 88240		Sampling Da	te: 09/30/90	3	
Reporting Date	: 10/07/96		FAX TO:			Sample Type			
Project Number						Sample Cond			т
Project Name:C	C1-C3, D1-D4					Sample Rece	eived By: W	″L	
Project Location	n: AMERADA HES	S, CHEVRON	NCBT			Analyzed By:	GP/WL		
	& C	URHAM ST. A							
LAB NUMBER	SAMPLE ID	Na	Ca	Mg	. K	CI	SO4	CO3	HCO3
	·	ppm	ppm	ppm	ppm	рргі	ppm	ppm	ppm
ANALYSIS DA	TE:	10/3/96	10/3/96	10/3/96	10/3/96	10/4/96	10/4/96	10/4/96	10/4/96
H2662-1	C-1	227.6	158.5	41.8	7.18	440	123	trace	288
H2662-2	C-2	260.0	253.5	63.8	8.49	592	136	0	298
H2662-3	C-3	215.0	365.0	72.5	10.17	715	102	ō	205
H2662-4	D-1	142.5	232.3	45.3	10.52	336	108	0	301
H2662-5	D-2	92.5	247.3	44.0	20.74	220	80	0	273
H2662-6	D-3	195.0	259.3	37.0	18.74	276	50	0	342
H2662-7	D-4	327.5	235.8	33.8	13.82	334	57	0	361
		0.52	1.04	1.00		102			
Quality Control True Value QC		0.52	1.04	1.00	5.05	103 100	98 100	NR NR	NR NR
% Accuracy		104	1.00	100	<u> </u>	100	98	NR	
Relative Percer	at Difference	0.7	0.8	01	7.2	3.0	2.0	0	0
		0.7				3.0	2.0		
METHODS: EP	PA 600/4-79-02					352.3	375.4		
	Std. Methods	3111B	3111B	3111B	3111B			2320B	2320B

ANALYTICAL DECHLES COR

Wei Li, Chemist

Wei L

Date



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ANALYTICAL RESULTS FOR SAFETY & ENVIRONMENTAL SOLUTIONS, INC. · ATTN: DEE WHATLEY 703 E. CLINTON HOBBS, NM 88240 FAX TO:

Receiving Date: 09/30/96 Reporting Date: 10/07/96 Project Number: NOT GIVEN Project Name: C1-C3, D1-D4 Project Location: AMERADA HESS, CHEVRON NCBT & DURHAM ST. A Analysis Date: 10/04/96 Sampling Date: 09/30/96 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: WL Analyzed By: GP

LAB	NUMBER	

SAMPLE ID

TDS (mg/L)

H2662-1	C-1	1284
H2662-2	C-2	2194
H2662-3	C-3	2655
H2662-4	D-1	1285
H2662-5	D-2	1062
H2662-6	D-3	939
H2662-7	D-4	1064
Quality Contro	l	NR
True Value QC	;	NR
% Accuracy		NR
<b>Relative Perce</b>	nt Difference	3.2

METHOD: EPA 600/4-79-020, 160.1

Chemist

10/7/96

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ANALYTICAL RESULTS FOR SAFETY & ENVIRONMENTAL SOLUTIONS, INC. ATTN: DEE WHATLEY 703 E. CLINTON HOBBS, NM 88240 FAX TO:

Receiving Date: 09/30/96 Reporting Date: 10/04/96 Project Number: NOT GIVEN Project Name: C1-C3, D1-D4 Project Location: AMERADA HESS, CHEVRON NCBT & DURHAM ST. A Sampling Date: 09/30/96 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: WL Analyzed By: BC/GP

CTUVI

TOTAL

LAB NUMBEF SAMPLE ID	TPH (mg/L)	BENZENE (ppb)	TOLUENE (ppb)	ETHYL BENZENE (ppb)	(ppb)
ANALYSIS DATE:	10/2/96	10/1/96	10/1/96	10/1/96	10/1/96
H2662-1 C-1	1.12	<1	<1	<1	<1
H2662-2 C-2	0.59	<1	<1	<1	<1
H2662-3 C-3	0.50	<1	<1	<1	<1
H2662-4 D-1	0.50	<1	<1	<1	<1
H2662-5 D-2	1.22	<1	<1	<1	<1
H2662-6 D-3	0.55	<1	<1	<1	<1
H2662-7 D-4	2.61	<1	<1	<1	<1
Quality Control	198	91.4	82.6	80.2	239
True Value QC	200	88.2	85.8	83.4	254
% Accuracy	99.0	104	96.3	96.1	94.1
Relative Percent Difference	1.0	2.5	3.9	9.4	5.5

METHODS: TRPHC - EPA 600/7-79-020, 418.1; BTEX - EPA SW-846-8020

Burnets Al Code

10/4/46 Date

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ANALYTICAL RESULTS FOR SAFETY & ENVIRONMENTAL SOLUTIONS, INC. ATTN: DEE WHATLEY 703 E. CLINTON HOBBS, NM 88240 FAX TO:

Receiving Date: 09/30/96 Reporting Date: 10/09/96 Project Number: NOT GIVEN Project Name:C1-C3, D1-D4 Project Location: AMERADA HESS, CHEVRON NCBT & DURHAM ST, A Sampling Date: 09/30/96 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: WL Analyzed By: WL

#### RCRA METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DAT	E:	10/7/96	10/4/96	10/2/96	10/4/96	10/8/96	10/4/96	10/8/96	10/5/96
H2662-1	C-1	0.013	<0.1	<2	<0.1	<0.5	<0.5	<0.001	<0.01
H2662-2	C-2	0.013	<0.1	<2	<0.1	<0.5	<0.5	<0.001	<0.01
H2662-3	C-3	0.013	<0.1	<2	<0.1	<0.5	<0.5	< 0.001	<0.01
H2662-4	D-1	0.013	<0.1	<2	<0.1	<0.5	<0.5	< 0.001	<0.01
H2662-5	D-2	0.013	<0.1	<2	<0.1	<0.5	<0.5	<0.001	<0.01
H2662-6	D-3	0.017	<0.1	<2	<0.1	<0.5	<0.5	<0.001	<0.01
H2662-7	D-4	0.027	<0.1	<2	<0.1	<0.5	<0.5	<0.001	<0.01
Quality Control		11.1	0.490	18.23	0.107	1.072	0.50	21.0	44.9
True Value QC		10.0	0.500	20.00	0.100	1,000	0.50	25.0	50.0
% Accuracy		111	98.0	91.1	107	107.2	100	84.0	89.8
Relative Percent	t Difference	1.2	0.2	14.7	0.6	1.1	0	0	9.0
METHODS: EPA	A 600/4-79-02	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Wei Li

Wei Li, Chemist

1.0 -9-26 Date

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Chain of Custody Record Project I.D. <u>C-1</u> , <u>C-2</u> , <u>C-3</u> Project Location <i>Americal Acts</i> , <u>Ckrued M(6)</u> Sampled By <u>D-c</u> , <u>L/4, <del>L/6</del></u> Client Name <u>SEST</u> Address <u>Telephone</u>	Nethy Remarks (Typa sample, preservation, etc.)					Shipp od/Dollvor oct
Chain of Cust Project I.D. <u>/,</u> Project I.D. <u>/,</u> Sampled By <u>P-c. 1/</u> Sampled By <u>P-c. 1/</u> Client Name <u>SES</u> Address <u>Telephone</u>	te of					
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	Number of Containers	16-	- 14-			
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BORATORIES 2226-101 E. MARLAND - HOBB 7 2 3 3 4	Sample Location	-/	-/- 	(-2 (-2	×	Oaro Timo Nocoivod by (Signaturo) 9.246 428 Wer U
IL LABORATORIES osi 293-2326 · 101 E. MARLAND · HOBB - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	Grab Coration	[-/ [-/	(-/ C-2	<i>c-2</i> <i>c-2</i>	6-5 6-3 6-3	
DINAL LABORATORIES DNE: (SOS) 393-2326 · 101 E. MARLAND · HOBB			(-/ >	<i>C-2</i>	C-3 C-3 C-3	0.2756 9228
LABORATORIES 193-2226 - 101 E. MARLAN	6mlT Composite Gsi2D		(-/ (-2	<i>C-2</i> <i>C-2</i>	C-3	0.2756 9228
ARDINAL LABORATORIES PHONE: (505) 393-2226 · 101 E. MARLAND · HOBB H D. 6 6 2 - 7 - 3 - 4 - 4	Gomposite Gazb	/->	-2 C-2		C-3	

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ARDINAL LABORATORIES PHONE: (505) 393-2726 · 101 E. MARLAND · HOBBS. NEW MEXICO 88240 FI 262 - 1 - 6 FI 266 - 1 - 7 - 1	Sample Location	D-1	7-7	7-17	C-V	D-2	0.3	5.0	P-4	0.4	Data Himo Received by (Skynatura)		
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#### WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

## SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Chevron NCBT Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	TPH		DEPTH	LOCATION
SAMPLE NO. 1-1:	319	PPM	5'	MW-1 Chevron NCBT
SAMPLE NO. 1-2:	44	PPM	10'	MW-1 Chevron NCBT
SAMPLE NO. 1-3:	34	PPM	15'	MW-1 Chevron NCBT
SAMPLE NO. 1-4:	26	PPM	25'	MW-1 Chevron NCBT
SAMPLE NO. 1-5:	69	PPM	30'	MW-1 Chevron NCBT
SAMPLE NO. 1-6:	95	PPM	35'	MW-1 Chevron NCBT
SAMPLE NO. 1-7:	147	PPM	40'	MW-1 Chevron NCBT

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no sample at 20' due to a bridge in well bore.

## WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: Allen Hodge SAMPLE MATRIX: Soil SITE ID: Chevron NCBT ORDERED BY: Dyke Browning TEST METHOD: 8020 SAMPLE RECEIVED: Cool and intact

Parameter Sample #1-1 MW-1 5'	Value	Units	Test Method
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 1-2 MW-1 10'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 1-3 MW-1 15'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 1-4 MW-1 25'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 1-5 MW-1 30'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 1-6 MW-1 35'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Eehylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

## Page two Chevron NCBT MW-1 BTEX Report

Parameter	Value	<u>Units</u>	<u>Test Method</u>
Sample # 1-7 MW-1 40'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no sample at 20' due to a bridge in well bore.

#### WESTERN ENVIRONMENTAL CONSULTANTS

P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

## SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Chevron NCBT Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

CL		DEPTH	LOCATION
SAMPLE NO. 1-1: 2600	PPM	5'	MW-1 Chevron NCBT
SAMPLE NO. 1-2: 1200	PPM	10'	MW-1 Chevron NCBT
SAMPLE NO. 1-3: <1000	PPM	15'	MW-1 Chevron NCBT
SAMPLE NO. 1-4: <1000	PPM	25'	MW-1 Chevron NCBT
SAMPLE NO. 1-5: <1000	PPM	30'	MW-1 Chevron NCBT
SAMPLE NO. 1-6: <1000	PPM	35'	MW-1 Chevron NCBT
SAMPLE NO. 1-7: <1000	PPM	40'	MW-1 Chevron NCBT

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no sample at 20' due to a bridge in well bore.

## WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT.

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Chevron NCBT Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	CL		DEPTH	LOCATION
SAMPLE NO. 2-1:	1700	PPM	5'	MW-2 Chevron NCBT
SAMPLE NO. 2-2:	3300	PPM	10'	MW-2 Chevron NCBT
SAMPLE NO. 2-3:	1000	PPM	23'	MW-2 Chevron NCBT
SAMPLE NO. 2-4:	<1000	PPM	28'	MW-2 Chevron NCBT
SAMPLE NO. 2-5:	<1000	PPM	37'	MW-2 Chevron NCBT
SAMPLE NO. 2-6:	<1000	PPM	47'	MW-2 Chevron NCBT

## WESTE A ENVIRONMENTAL CONSULTA AS P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96	SITE ID: Chevron NCBT
CLIENT: S.E.S.	ORDERED BY: Dyke Browning
SUPER VISOR: Allen Hodge	TEST METHOD: 8020
SAMPLE MATRIX: Soil	SAMPLE RECEIVED: Cool and intact

Parameter Sample # 2-1 MW-2 5'	Value	<u>Units</u>	Test Method
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 2-2 MW-2 10'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 2-3 MW-2 23'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 2-4 MW-2 28'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	0020/21/10
Xylene (OMP)	<0.2	Mg/L	
Sample # 2-5 MW-2 37			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	0020/Errt
Xylene (OMP)	<0.2	Mg/L	
	0.2		
Sample # 2-6 MW-2 47'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Eehylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

## WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Chevron NCBT Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	TPH		DEPTH	LOCATION
SAMPLE NO. 2-1:	12	PPM	5'	MW-2 Chevron NCBT
SAMPLE NO. 2-2:	774	PPM	10'	MW-2 Chevron NCBT
SAMPLE NO. 2-3:	11	PPM	23'	MW-2 Chevron NCBT
SAMPLE NO. 2-4:	14	PPM	28'	MW-2 Chevron NCBT
SAMPLE NO. 2-5:	09	PPM	37'	MW-2 Chevron NCBT
SAMPLE NO. 2-6:	06	PPM	47'	MW-2 Chevron NCBT

#### WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Chevron NCBT Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	CL		DEPTH	LOCATION
SAMPLE NO. 3-1:	1400	PPM	5'	MW-3 Chevron NCBT
SAMPLE NO. 3-2:	2400	PPM	10'	MW-3 Chevron NCBT
SAMPLE NO. 3-3:	1000	PPM	15'	MW-3 Chevron NCBT
SAMPLE NO. 3-4:	<1000	PPM	20'	MW-3 Chevron NCBT
SAMPLE NO. 3-5:	<1000	PPM	28'	MW-3 Chevron NCBT
SAMPLE NO. 3-6:	<1000	PPM	36'	MW-3 Chevron NCBT

## WESTEAN ENVIRONMENTAL CONSULTAIN IS P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: Allen Hod SAMPLE MATRIX: Soil	•	ORDERED TEST METH	evron NCBT BY: Dyke Browning HOD: 8020 ECEIVED: Cool and intact
Parameter Sample # 3-1 MW-3 5'	Value	<u>Units</u>	Test Method
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # 3-2 MW-3 10'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	-
Xylene (OMP)	<0.2	Mg/L	
Sample # 3-3 MW-3 15'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

<0.2	Mg/L	Headspace GC
<0.2	Mg/L	8020/EPA
<0.2	Mg/L	
<0.2	Mg/L	
<0.2	Mg/L	Headspace GC
<0.2	Mg/L	8020/EPA
<0.2	Mg/L	
<0.2	Mg/L	
<0.2	Mg/L	Headspace GC
<0.2	Mg/L	8020/EPA
<0.2	Mg/L	
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#### WESTERN ENVIRONMENTAL CONSULTANTS

P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

## SOIL ANALYSIS REPORT .

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Chevron NCBT Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	TPH		DEPTH	LOCATION
SAMPLE NO. 3-1:	17	PPM	5'	MW-3 Chevron NCBT
SAMPLE NO. 3-2:	259	PPM	10'	MW-3 Chevron NCBT
SAMPLE NO. 3-3:	93	PPM	15'	MW-3 Chevron NCBT
SAMPLE NO. 3-4:	21	PPM	20'	MW-3 Chevron NCBT
SAMPLE NO. 3-5:	12	PPM	28'	MW-3 Chevron NCBT
SAMPLE NO. 3-6:	05	PPM	36'	MW-3 Chevron NCBT

## WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	CL		DEPTH	LOCATION
SAMPLE NO. D-1:	1400	PPM	5'	MW-1 Durham State A
SAMPLE NO. D-2:	1200	PPM	10'	MW-1 Durham State A
SAMPLE NO. D-3:	<1000	PPM	15'	MW-1 Durham State A
SAMPLE NO. D-4:	<1000	PPM	23'	MW-1 Durham State A
SAMPLE NO. D-5:	<1000	PPM	30'	MW-1 Durham State A
SAMPLE NO. D-6:	<1000	PPM	39'	MW-1 Durham State A
SAMPLE NO. D-7:	<1000	PPM	58'	MW-1 Durham State A

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no sample at 35' due to spoon refusal.

## WESTEK. + ENVIRONMENTAL CONSULTAN , S P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: Allen Hodge SAMPLE MATRIX: Soil SITE ID: Durham State A ORDERED BY: Dyke Browning TEST METHOD: 8020 SAMPLE RECEIVED: Cool and intact

<u>Parameter</u> Sample # D-1 MW-1 5'	Value	<u>Units</u>	Test Method
Salliple # D-T MW-T 3 Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D-2 MW-1 10'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D-3 MW-1 15'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D-4 MW-1 23'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D-5 MW-1 30'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D-6 MW-1 39' Benzene Toluene Eehylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA

Page two Durham State A MW-1 BTEX Report

Parameter	<u>Value</u>	Units	Test Method
Sample # D-7 MW-1 58'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no sample at 35' due to spoon refusal.

## WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	ТРН		DEPTH	LOCATION
SAMPLE NO. D-1:	49	ррм	5'	MW-1 Durham State A
SAMPLE NO. D-2:	13	PPM	10'	MW-1 Durham State A
SAMPLE NO. D-3:	09	PPM	15'	MW-1 Durham State A
SAMPLE NO. D-4:	12	PPM	23'	MW-1 Durham State A
SAMPLE NO. D-5:	13	PPM	30'	MW-1 Durham State A
SAMPLE NO. D-6:	07	PPM	39'	MW-1 Durham State A
SAMPLE NO. D-7:	05	PPM	58'	MW-1 Durham State A

COMMENTS: These s was no sample at 35' due

Herd & SAMULIES BUT NOT DN LOG OR NOTES

drilling operations. There

## WESTERN ENVIRONMENTAL CONSULTANTS

P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

## SOIL ANALYSIS REPORT .

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	CL	·	DEPTH	LOCATION
SAMPLE NO. D2-1:	1500	PPM	5'	MW-2 Durham State A
SAMPLE NO. D2-2:	1400	PPM	10'	MW-2 Durham State A
SAMPLE NO. D2-3:	1000	PPM	15'	MW-2 Durham State A
SAMPLE NO. D2-4:	<1000	PPM	23'	MW-2 Durham State A
SAMPLE NO. D2-5:	<1000	PPM	30'	MW-2 Durham State A
SAMPLE NO. D2-6:	<1000	PPM	39'	MW-2 Durham State A
SAMPLE NO. D2-7:	<1000	PPM	45'	MW-2 Durham State A
SAMPLE NO. D2-8	<1000	PPM	50'	MW-2 Durham State A
SAMPLE NO. D2-9	<1000	PPM	58'	MW-2 Durham State A

## WESTEL N ENVIRONMENTAL CONSULTAIL IS P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: Allen Hody SAMPLE MATRIX: Soil	ge	ORDERED I TEST METH	rham State A BY: Dyke Browning IOD: 8020 ICEIVED: Cool and intact
Parameter Sample # D2-1 MW-2 5'	Value	<u>Units</u>	Test Method
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-2 MW-2 10'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-3 MW-2 15'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-4 MW-2 23'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	< 0.2	Mg/L	8020/EPA
Ethylbenzene	< 0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-5 MW-2 30'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-6 MW-2 39'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Eehylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

## Page two Durham State A MW-2 BTEX Report

<u>Parameter</u>	Value	Units	<u>Test Method</u>
Sample # D2-7 MW-2 45'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-8 MW-2 50'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D2-9 MW-2 58'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	< 0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

#### WESTERN ENVIRONMENTAL CONSULTANTS

P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

## SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil

FACILITY: Durham State A Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

TP	Ή		DEPTH	LOCATION
SAMPLE NO. D2-1:	74	PPM	5'	MW-2 Durham State A
SAMPLE NO. D2-2:	66	PPM	10'	MW-2 Durham State A
SAMPLE NO. D2-3:	14	PPM	15'	MW-2 Durham State A
SAMPLE NO. D2-4:	17	PPM	23'	MW-2 Durham State A
SAMPLE NO. D2-5:	12	PPM	30'	MW-2 Durham State A
SAMPLE NO. D2-6:	09	PPM	39'	MW-2 Durham State A
SAMPLE NO. D2-7:	10	PPM	45'	MW-2 Durham State A
SAMPLE NO. D2-8	07	PPM	50'	MW-2 Durham State A
SAMPLE NO. D2-9	07	PPM	58'	MW-2 Durham State A

## WESTERN ENVIRONMENTAL CONSULTANTS

P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	CL		DEPTH	LOCATION
SAMPLE NO. D3-1:	1800	PPM	5'	MW-3 Durham State A
SAMPLE NO. D3-2:	1400	PPM	10'	MW-3 Durham State A
SAMPLE NO. D3-3:	1200	PPM	15'	MW-3 Durham State A
SAMPLE NO. D3-4:	1000	PPM	23'	MW-3 Durham State A
SAMPLE NO. D3-5:	<1000	PPM	30'	MW-3 Durham State A
SAMPLE NO. D3-6:	<1000	PPM	39'	MW-3 Durham State A
SAMPLE NO. D3-7:	<1000	PPM	45'	MW-3 Durham State A
SAMPLE NO. D3-8	<1000	PPM	50'	MW-3 Durham State A
SAMPLE NO. D3-9	<1000	PPM	58'	MW-3 Durham State A

## WESTEK & ENVIRONMENTAL CONSULTAL, S P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96SITE ID: Durham State ACLIENT: S.E.S.ORDERED BY: Dyke BrowningSUPERVISOR: Allen HodgeTEST METHOD: 8020SAMPLE MATRIX: SoilSAMPLE RECEIVED: Cool and intact

Parameter Sample # D3-1 MW-3	<u>Value</u> 5'	<u>Units</u>	Test Method
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-2 MW-3	10'		
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-3 MW-3	15'		
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-4 MW-3	23'		
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-5 MW-3	30'		
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-6 MW-3	39'		
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Eehylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

Page two Durham State A MW-3 BTEX Report

Parameter Sample # D3-7 MW-3 45'	Value	<u>Units</u>	Test Method
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-8 MW-3 50'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D3-9 MW-3 58'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/ĖPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

## WESTERN ENVIRONMENTAL CONSULTANTS

P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT .

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

TI	PH		DEPTH	LOCATION
SAMPLE NO. D3-1:	137	PPM	5'	MW-3 Durham State A
SAMPLE NO. D3-2:	108	PPM	10'	MW-3 Durham State A
SAMPLE NO. D3-3:	26	PPM	15'	MW-3 Durham State A
SAMPLE NO. D3-4:	16	PPM	23'	MW-3 Durham State A
SAMPLE NO. D3-5:	07	PPM	30'	MW-3 Durham State A
SAMPLE NO. D3-6:	09	PPM	39'	MW-3 Durham State A
SAMPLE NO. D3-7:	10	PPM	45'	MW-3 Durham State A
SAMPLE NO. D3-8	n	PPM	50'	MW-3 Durham State A
SAMPLE NO. D3-9	04	PPM	58'	MW-3 Durham State A

## WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240 (505) 392 - 5021

# SOIL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 325.3 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

	CL		DEPTH	LOCATION
SAMPLE NO. D4-1:	2200	PPM	10'	MW-4 Durham State A
SAMPLE NO. D4-2:	1800	PPM	15'	MW-4 Durham State A
SAMPLE NO. D4-3:	1200	PPM	23'	MW-4 Durham State A
SAMPLE NO. D4-4:	<1000	PPM	30'	MW-4 Durham State A
SAMPLE NO. D4-5:	<1000	PPM	39'	MW-4 Durham State A
SAMPLE NO. D4-6:	<1000	PPM	45'	MW-4 Durham State A
SAMPLE NO. D4-7:	<1000	PPM	50'	MW-4 Durham State A
SAMPLE NO. D4-8	<1000	PPM	58'	MW-4 Durham State A

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no five foot sample, drilling through spoils from old excavation.

## WESTLAN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs, New Mexico 88240 (505) 392-5021

## CHEMICAL ANALYSIS REPORT

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: Allen Hodge SAMPLE MATRIX: Soil SITE ID: Durham State A ORDERED BY: Dyke Browning TEST METHOD: 8020 SAMPLE RECEIVED: Cool and intact

Parameter Sample # D4-1 MW-4 10'	Value	<u>Units</u>	Test Method
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D4-2 MW-4 15'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D4-3 MW-4 23'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D4-4 MW-4 30'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D4-5 MW-4 39'			
Benzene Toluene Ethylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA
Sample # D4-6 MW-4 45'			
Benzene Toluene Eehylbenzene Xylene (OMP)	<0.2 <0.2 <0.2 <0.2 <0.2	Mg/L Mg/L Mg/L Mg/L	Headspace GC 8020/EPA

Page two Durham State A MW-4 BTEX Report

Parameter	Value	<u>Units</u>	Test Method
Sample # D4-7 MW-4 50'			,
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	
Sample # D4-8 MW-4 58'			
Benzene	<0.2	Mg/L	Headspace GC
Toluene	<0.2	Mg/L	8020/EPA
Ethylbenzene	<0.2	Mg/L	
Xylene (OMP)	<0.2	Mg/L	

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no five foot sample, drilling through spoils from old excavation.

#### WESTERN ENVIRONMENTAL CONSULTANTS P.O. Box 1816 Hobbs New, Mexico 88240

## (505) 392 - 5021

## SOIL ANALYSIS REPORT .

DATE: 09/30/96 CLIENT: S.E.S. SUPERVISOR: A. Hodge Sample Matrix: Soil FACILITY: Durham State A Test Method: EPA 418.1 Order No.: Dyke Browning SAMPLE RECEIVED: Cool and intact

Ţ	PH		DEPTH	LOCATION
SAMPLE NO. D4-1:	18	PPM	10'	MW-4 Durham State A
SAMPLE NO. D4-2:	179	PPM	15'	MW-4 Durham State A
SAMPLE NO. D4-3:	47	PPM	23'	MW-4 Durham State A
SAMPLE NO. D4-4:	12	PPM	30'	MW-4 Durham State A
SAMPLE NO. D4-5:	07	PPM	39'	MW-4 Durham State A
SAMPLE NO. D4-6:	14	PPM	45'	MW-4 Durham State A
SAMPLE NO. D4-7:	10	PPM	50'	MW-4 Durham State A
SAMPLE NO. D4-8	08	PPM	58'	MW-4 Durham State A

COMMENTS: These samples were taken with split-spoon during drilling operations. There was no five foot sample, drilling through spoils from old excavation.

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Time: 47.35-46 Received by			Полиции		Image: Control of the second secon	A   A <td>A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   B   A   A     A   A   B   A   A     A   A   B   A   A     A   A   B   A   A     A   A   A   A   A     B   B   B   B   B     B   B   B   B   C     A   A   A   B   C     B   B   B   B   C     B   B   C   B   C     B   B   C   C   B     B   B   C   C   C     C   C   C   C   C     C   C   C   C   C     C   C   C   C   C     C   C   C   C<td>Theoretic       Theoretic       Match         TXX8:       Training       Train</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td></td>	A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   A   A   A     A   A   B   A   A     A   A   B   A   A     A   A   B   A   A     A   A   B   A   A     A   A   A   A   A     B   B   B   B   B     B   B   B   B   C     A   A   A   B   C     B   B   B   B   C     B   B   C   B   C     B   B   C   C   B     B   B   C   C   C     C   C   C   C   C     C   C   C   C   C     C   C   C   C   C     C   C   C   C <td>Theoretic       Theoretic       Match         TXX8:       Training       Train</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td>	Theoretic       Theoretic       Match         TXX8:       Training       Train						-	-	
Date: Time: 4-35-46 Received by REMARUS			Полиции	MATER     MATER <t< td=""><td>Image: Second second</td><td>A   A   B   B   B   B   B   C   C     A   A   C   C   C   C   C   C   C   C     A   A   C   C   C   C   C   C   C   C     A   A   C   C   C   C   C   C   C   C     A   A   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C</td></t<> <td>A   BCI     A   BCI     A   CCP Volatiles     A   CCP VOLATIVERS     A   CCP VOLATIVERS     B   CCP VOLATIVERS     CCP VOLATIVERS   CCP VOLATIVERS <!--</td--><td>TCLP MAILERS TCLP MAILER TCLP MAILER TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILER TCLP MAILER TCLP MAILER TCLP MAILERS TCLP MAILER TCLP MAILER T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	Image: Second	A   A   B   B   B   B   B   C   C     A   A   C   C   C   C   C   C   C   C     A   A   C   C   C   C   C   C   C   C     A   A   C   C   C   C   C   C   C   C     A   A   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C   C   C   C   C   C     C   C   C   C   C	A   BCI     A   BCI     A   CCP Volatiles     A   CCP VOLATIVERS     A   CCP VOLATIVERS     B   CCP VOLATIVERS     CCP VOLATIVERS   CCP VOLATIVERS </td <td>TCLP MAILERS TCLP MAILER TCLP MAILER TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILER TCLP MAILER TCLP MAILER TCLP MAILERS TCLP MAILER TCLP MAILER T</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TCLP MAILERS TCLP MAILER TCLP MAILER TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILERS TCLP MAILER TCLP MAILER TCLP MAILER TCLP MAILERS TCLP MAILER TCLP MAILER T								
Date: 47-33-46 Received by REMARKS			Полиции   Полиции   Валики   Валики     Полиции   Полиции   Полиции   Полиции     Полиции   Полиции   Полиции<	MATER     MATER <t< td=""><td>Полиции   Полиции     Полиции   Полиции</td><td>Andrew Contraint   Andrew Contraint     Andrew Contrant   Andrew Contraint     Andre</td><td>Image: Contract of the second of the seco</td><td>Processing and the second seco</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Полиции   Полиции	Andrew Contraint   Andrew Contraint     Andrew Contrant   Andrew Contraint     Andre	Image: Contract of the second of the seco	Processing and the second seco								
Date: Thina: 47-33-46 Prof. Received by REMARKS			Полиции   Полиции   Полиции   Полиции     Полиции   Полиции   Полици	Image: Contraint of the second state of the secon	A   TOLE     A   A     A	Image: Contraint of the second sec	A   RCI     A   A     B   B     A   A     A   A     A   A     A   A     A   A     A   A     A   A     A   A     A   A     A   A     A   B     A   A     A   A     A   B     A   B     A   B     A   B     A   B     A   B     A   B     A     B	The first of the sense of the s		· ·		· _ / ·	-			
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Date: 11ma: 47-35-715 Reclived by REMARKS			1   1 </td <td>Полиции   Полиции   Полиции     Полиции   Полиции   Полиции</td> <td>Партика   Вали сонтаниевся     Партика   Пости сонтаниевся     Партика   Партика     Партика   Парт</td> <td>A   Image: Contraint of the second of the se</td> <td>A   TOLEP Volsilies     A   TOLEP Volsilies</td> <td>The first of the provided in the provided in the first of the provided in the prov</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>	Полиции   Полиции   Полиции	Партика   Вали сонтаниевся     Партика   Пости сонтаниевся     Партика   Партика     Партика   Парт	A   Image: Contraint of the second of the se	A   TOLEP Volsilies	The first of the provided in the provided in the first of the provided in the prov							-	
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Date: 4.35-916 Rechards by REMARKS		Image: state	1   К   К   К   К     1   К   К  <	1   Полоничение     1   1	1   1   1   1   1   1     1   1   1   1   1   1   1     1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1   1   1   1   1   1   1   1     1   1   1 </td <td>Кирстикски   Замарис     Карали   Карали     Карали   Карали  &lt;</td> <td>Image: Contrained of the state of the st</td> <td>TAXE: TA</td> <td></td> <td></td> <td>~</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Кирстикски   Замарис     Карали   Карали     Карали   Карали  <	Image: Contrained of the state of the st	TAXE: TA			~					
Date: 4-35-46 Received by REMARKS			К   П   П   П     П   П   П     П   П </td <td>К   К     К     К  &lt;</td> <td>К   П   П   П   П     П   П   П   П<!--</td--><td>Image: Constraint of the second se</td><td>К   К<!--</td--><td>Those K: The field of the fiel</td><td>X</td><td></td><td>482 ap X</td><td></td><td>×</td><td>9</td><td></td><td></td></td></td>	К   К     К     К  <	К   П   П   П   П     П   П   П   П </td <td>Image: Constraint of the second se</td> <td>К   К<!--</td--><td>Those K: The field of the fiel</td><td>X</td><td></td><td>482 ap X</td><td></td><td>×</td><td>9</td><td></td><td></td></td>	Image: Constraint of the second se	К   К </td <td>Those K: The field of the fiel</td> <td>X</td> <td></td> <td>482 ap X</td> <td></td> <td>×</td> <td>9</td> <td></td> <td></td>	Those K: The field of the fiel	X		482 ap X		×	9		
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#### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

March 6, 1997

#### <u>CERTIFIED MAIL</u> RETURN RECEIPT NO. P-269-269-274

Mr. Samuel Small Amerada Hess Corporation P.O. Box 840 Seminole, Texas 79360

#### RE: GROUND WATER INVESTIGATIONS DURHAM STATE "A" TANK BATTERY CHEVRON GRAEAN NCT "B" TANK BATTERY

Dear Mr. Small:

The New Mexico Oil Conservation Division (OCD) has completed a review of Amerada Hess Corporation's (AHC) December 18, 1996 "<u>GROUND WATER INVESTIGATIONS DURHAM STATE "A" TANK BATTERY SITE,</u> CHEVRON GRAHAM NCT "B" TANK BATTERY SITE". This document contains the results of AHC's soil and ground water investigations at the Durham State "A" tank battery and the Chevron Graham NCT "B" Tank Battery located in Unit P, Sec 2, T20S, R36E NMPM, Lea County, New Mexico. The documents also contain AHC's proposals for backfilling of the investigations and monitoring of ground water quality at the sites.

The above referenced proposals are approved with the following conditions:

- 1. AHC will supply the OCD with the laboratory analytical data sheets and associated quality assurance/quality control data for the sampling results contained in the above referenced document.
- 2. Ground water from the monitor wells will be sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene (BTEX), total dissolved solids (TDS) and major cations and anions using EPA approved methods.
- 3. The OCD defers comment on plugging of the monitor wells until the OCD has an opportunity to review a final closure and monitoring report.
- 4. AHC will submit a report on the closure and monitoring actions to the OCD by May 1, 1996. The report will contain:
  - a. A description of all activities which occurred during the closure and monitoring including conclusions and recommendations.

Mr. Samuel Small March 6, 1997 Page 2

- b. A summary of the laboratory analytic results of the soil remedial actions, backfilling and water quality monitoring including the laboratory analysis data sheets and all relevant quality assurance/quality control data.
- c. A water table elevation map for each site using the water table elevation of the ground water in all monitor wells.
- 5. AHC will notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.
- 6. All documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Hobbs District Office.

Please be advised that OCD approval does not relieve AHC of liability if contamination exists which is beyond the scope of the plan or if the plan fails to adequately monitor contamination related to AHC's activities. In addition, OCD approval does not relieve AHC of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson Hydrogeologist Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor Wayne Price, OCD Hobbs Office David Deardorff, New Mexico State Land Office

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