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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Chevron North America	**Contact:** Bill A. Anderson
Address: P.O. Box 1949, Eunice, NM 88231	**Telephone No.:** (505) 394-1237
Facility Name: Brunson Argo Tank Battery #5	**Facility Type:** Decommissioned Tank Battery

Surface Owner: Ms. Priscilla Brunson Moody (c/o Charles James Moody)	**Mineral Owner:**	**API No.:**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	10	22S	37E					Lea

Latitude: N32° 24' 33.64" **Longitude:** W103° 09' 18.70"

NATURE OF RELEASE

Type of Release: Historical	**Volume of Release:** N/A	**Volume Recovered:** N/A
Source of Release: Historical releases from decommissioned Tank Battery	**Date and Hour of Occurrence:** N/A	**Date and Hour of Discovery:** N/A
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	**If YES, To Whom?** N/A	
By Whom?	**Date and Hour:** N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse:** Not Applicable	

If a Watercourse was Impacted, Describe Fully.* Not Applicable

Depth to Groundwater: ~66 feet

Describe Cause of Problem and Remedial Action Taken.* Historical releases from decommissioned Tank Battery

Describe Area Affected and Cleanup Action Taken.* The decommissioned Tank Battery will be delineated via soil borings within and outside the TB perimeter. Upon receipt of Laboratory Analytical results, a Remediation Proposal will be drafted and sent to the NMOCD for approval.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Billy A. Anderson	OIL CONSERVATION DIVISION
Printed Name: Bill A Anderson	**Approved by District Supervisor:** Chris Johnson ENVIRONMENTAL ENGINEER
Title: HES Champion	**Approval Date:** 2.7.08 **Expiration Date:** 4.7.08
E-mail Address: BillyAnderson@chevron.com	**Conditions of Approval:** **Attached** ☐ 1RP# 1780
Date: 4/27/07 **Phone:** (505) 394-1237	

*** Attach Additional Sheets If Necessary**

fCOH 0804647027

REMEDIATION PROPOSAL

BRUNSON ARGO TANK BATTERY #5

NMOCD REF. #1RP1537
EPI REF: 200130

UL-D (NW¼ OF THE NW¼) OF SECTION 10, T22S, R37E
~6 MILES SOUTHEAST OF LOVINGTON
LEA COUNTY, NEW MEXICO
LATITUDE: N 32° 24' 33.64" LONGITUDE: W 103° 09' 18.70"

FEBRUARY 2008

PREPARED BY:

ENVIRONMENTAL PLUS, INC.
P. O. BOX 1558
2100 AVENUE O
EUNICE, NEW MEXICO 88231

PREPARED FOR:

Chevron

06 February 2007

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

RE: Remediation Proposal
Chevron USA – Brunson Argo Tank Battery #5
UL-D (NW ¼ of the NW ¼) of Section 10, T 22 S, R 37 E
Latitude: 32° 24' 33.64"; Longitude: 103° 09' 18.70"
NMOCD Ref. #1RP-1537; EPI Ref. #200130

Dear Mr. Johnson:

This letter report addresses remediation of an abandoned, decommissioned tank battery facility. Soil impacts are historical in nature with no data indicating release date(s), volume and nature of release fluid(s) or efforts to remediate the release area(s).

Site Background

The Site is located in UL-D (NW ¼ of the NW ¼) of Section 10, T22S, R37E at an elevation of approximately 3,405 feet above mean sea level (amsl). The property is owned by the Priscilla Brunson Moody Estate (c/o Mr. Charles James Moody). A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). One (1) well (USGS #1) exist within a 1,000 feet radius of the release site. No surface water exists within a 1,000-foot radius of the release area (reference *Figure 2*). Groundwater data taken from domestic and USGS water wells within a one (1) mile radius indicates an average water depth of approximately sixty-six (66) feet below ground surface (bgs). Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	100 parts per million

*Chloride residuals may not be capable of impacting local ground water above NMWQCC Ground Water Standards of 250 mg/L

ENVIRONMENTAL PLUS, INC.

Field Work

On April 26 and 27, 2007 EPI mobilized at the tank battery to direct the location and depth of five (5) soil borings. Four (4) soil borings were advanced within confines of the former tank battery area and a fifth (5^{th}) approximately two hundred fifty-seven (257) feet southeast for background reference data (reference *Figure 5*). During advancement of soil borings, soil samples were collected at two (2) foot and five (5) foot intervals initially, then at five (5) foot increments thereafter to total depth (TD) of the soil boring. Information regarding lithology of soil borings is provided in Attachment III, *Soil Boring Logs.*

Sampling Information

Soil samples were collected from a portable auger rig utilizing a hollow core stem (Split Spoon Method). Upon collecting each soil sample, a portion was immediately placed into laboratory provided container(s), labeled and set on ice for transportation to an independent laboratory for quantification of BTEX (benzene, toluene, ethylbenzene and total xylenes); Total Hydrocarbons [Carbon Ranges (C6-C12), Carbon Ranges (C12-C28) and Carbon Ranges (C28-C35)]; sulfate and chloride concentrations.

The other portion of the soil sample was analyzed in the field for the following:

Organic Vapor Concentrations – A portion of each soil sample was inserted into a self-sealing polyethylene bag to allow volatilization of organic vapors. After samples equilibrated to ~70° F, they were analyzed for organic vapor concentrations utilizing a MiniRae® Photo-ionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp and calibrated for benzene response.

Chloride Concentrations – A portion of each soil sample collected was tested utilizing a LaMotte Chloride Test Kit (titration method).

Analytical Data

Field analyses for organic vapor concentrations ranged from 0.0 ppm (several locations) to 560 ppm (SB5-2 @2-feet bgs). Chloride concentrations in SB5-1 ranged from 200 mg/kg (2- ft bgs) to 260 mg/Kg (15 ft bgs), SB5-2 from 160 mg/Kg (20- ft bgs) to 240 mg/Kg (2-ft bgs), SB5-3 from 160 mg/Kg (10-ft bgs) to 240 mg/Kg (2-ft bgs), SB5-4 from 200 mg/Kg (2-ft bgs) to 200 mg/Kg (10-ft bgs) and background reference SB5-5 from 160 mg/Kg (2-ft bgs) to 160 mg/Kg (10-ft bgs) (reference *Table 2*).

Laboratory analytical results indicated BTEX and TPH concentrations were not at or above laboratory analytical method detection limits (MDL) for soil boring SB5-5 (background reference). BTEX concentrations in SB5-1 ranged from 1.92 mg/Kg (5-ft bgs) to <0.125 mg/Kg (2-ft bgs), SB5-2 from .795 mg/Kg (5-ft bgs) to <0.125 mg/Kg (2-ft bgs), SB5-3 and SB5-4 were <0.125 mg/Kg. TPH concentrations in SB5-1 ranged from 3,975 mg/Kg (5-ft bgs) to <30.0 mg/Kg (20-ft bgs), SB5-2 from 679 mg/Kg (2-ft bgs) to <30.0 mg/Kg (15-ft bgs), SB5-3 from 277 mg/Kg (2-ft bgs) to <30.0 mg/Kg (5-ft bgs), SB5-4 from 170 mg/Kg (2-ft bgs) to <30.0 mg/Kg (5-ft bgs). Chloride concentrations in SB5-1 ranged from 5.31 mg/Kg (2- ft bgs) to 4.00 mg/Kg (15-ft bgs), SB5-2 from 17.1 mg/Kg (5-ft bgs) to 6.87 mg/Kg (15-ft bgs), SB5-3 from 380 mg/Kg (5-ft bgs) to 9.56 mg/Kg (10-ft bgs), SB5-4 from 28.1 mg/Kg (10-ft bgs) to 7.54

mg/Kg (5-ft bgs) and SB5-5 from 13.7 mg/Kg (10-ft bgs) to 4.10 mg/Kg (5-ft bgs) (reference *Table 2*).

Site Remedial Proposal

Based on field analyses and laboratory analytical results, the release area soil is not severely impacted with chlorides. Residual chloride concentrations diminish with vertical depth (reference *Table 2*) and are confined to a relatively small area. With groundwater approximately sixty-six (66) feet bgs, natural attenuation will reduce chloride concentrations during migration. In view of this, it is recommended excavation of the release area be kept to the minimum depth and width necessary for removal of impacted soil from the tank battery. Excavated impacted soil and caliche will be transported to Sundance Services, Inc., for disposal. Clean backfill material (caliche and top soil) will be transported from an off-site source. Soil samples will be collected from the excavation sidewalls and bottom for laboratory analytical verification remedial goals have been achieved. Upon laboratory confirmation, excavation will be backfilled with caliche to within three (3) vertical feet of original ground surface. Backfill material for the upper three (3) vertical portion of the excavation will be topsoil free of deleterious material, rocks or large clumps. After backfill operations are completed, the entire disturbed area will be contoured for natural drainage. The area will be disked and seeded with a blend preferred by the property owner.

Should you have any technical questions or concerns, please contact me at (505) 394-3481 or via email at dduncan@envplus.net. Upon approval, EPI will initiate remedial phase of the project. Official correspondence and communications should be submitted to Mr. Billy Anderson, Chevron USA, at (505) 394-1237 (office), (505) 441-5438 (cellular) or via email at BillyAnderson@chevron.com.

Sincerely,

ENVIRONMENTAL PLUS, INC.

David P. Duncan
Civil Engineer

Cc: Billy A. Anderson, HES Specialist, Chevron USA, Eunice, NM
Charles James Moody, Estate Executor, Eugene, Or.
File

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Groundwater Gradient Map
Figure 5 – Soil Boring Location Map
Table 1 – Well Data
Table 2 – Summary of Soil Boring Field Analyses and Laboratory Analytical Results
Attachment I – Site Photographs
Attachment II – Laboratory Analytical Results and Chain-of-Custody Form
Attachment III – Soil Boring Logs
Attachment IV – Information and Metrics
Copy of Initial NMOCD Form C-141

ENCLOSURES

FIGURES

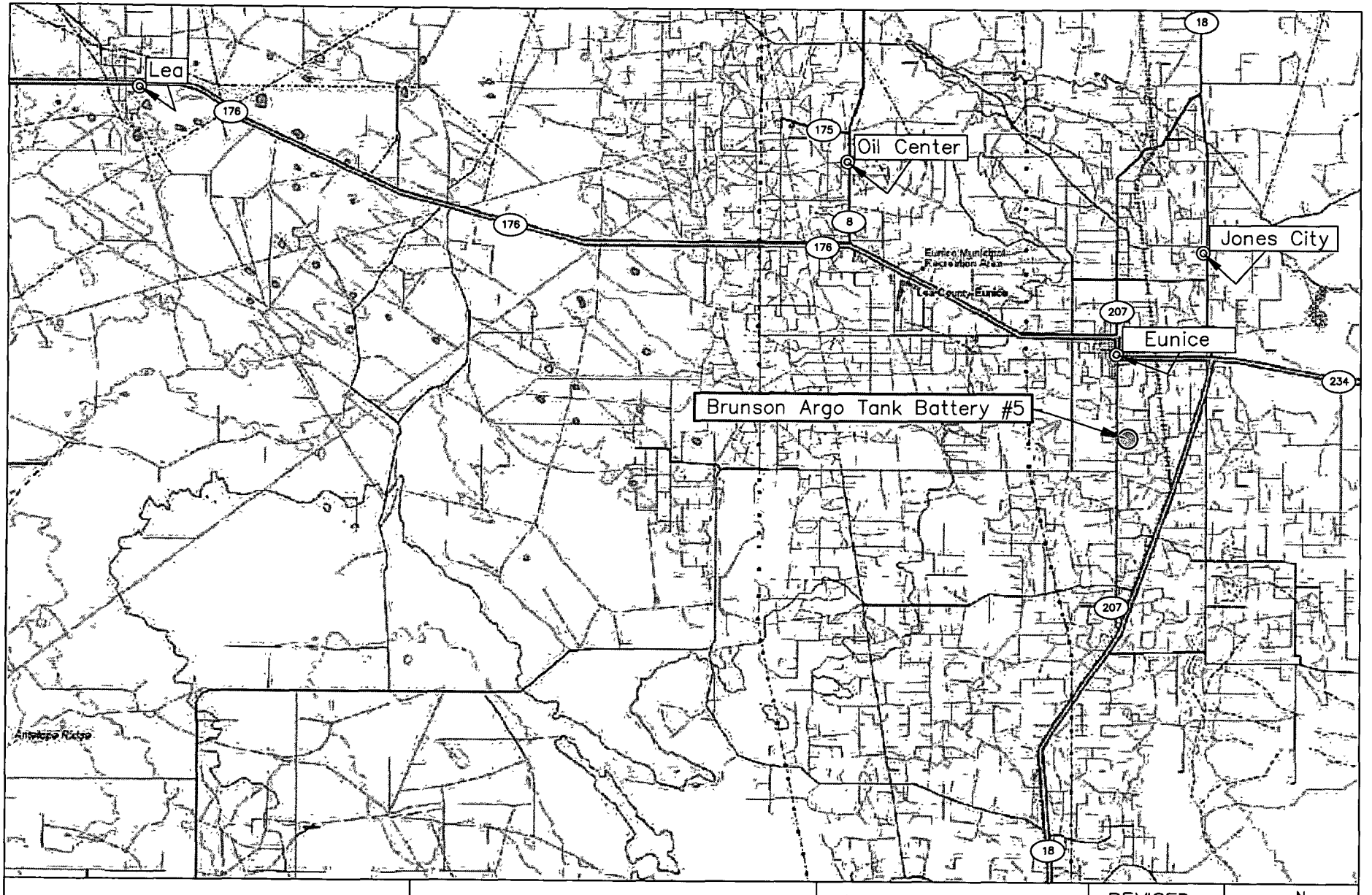


Figure 1 Area Map Chevron Corporation Brunson Argo Tank Battery #5	Lea County, New Mexico NW 1/4 of the NW 1/4, Sec. 10, T22S, R37E N 32°24' 33.64" W 103°09' 18.70" Elevation: 3,405 feet amsl	DWG By: Daniel Dominguez April 2007	REVISED:	N
		0 3 6 Miles	SHEET 1 of 1	

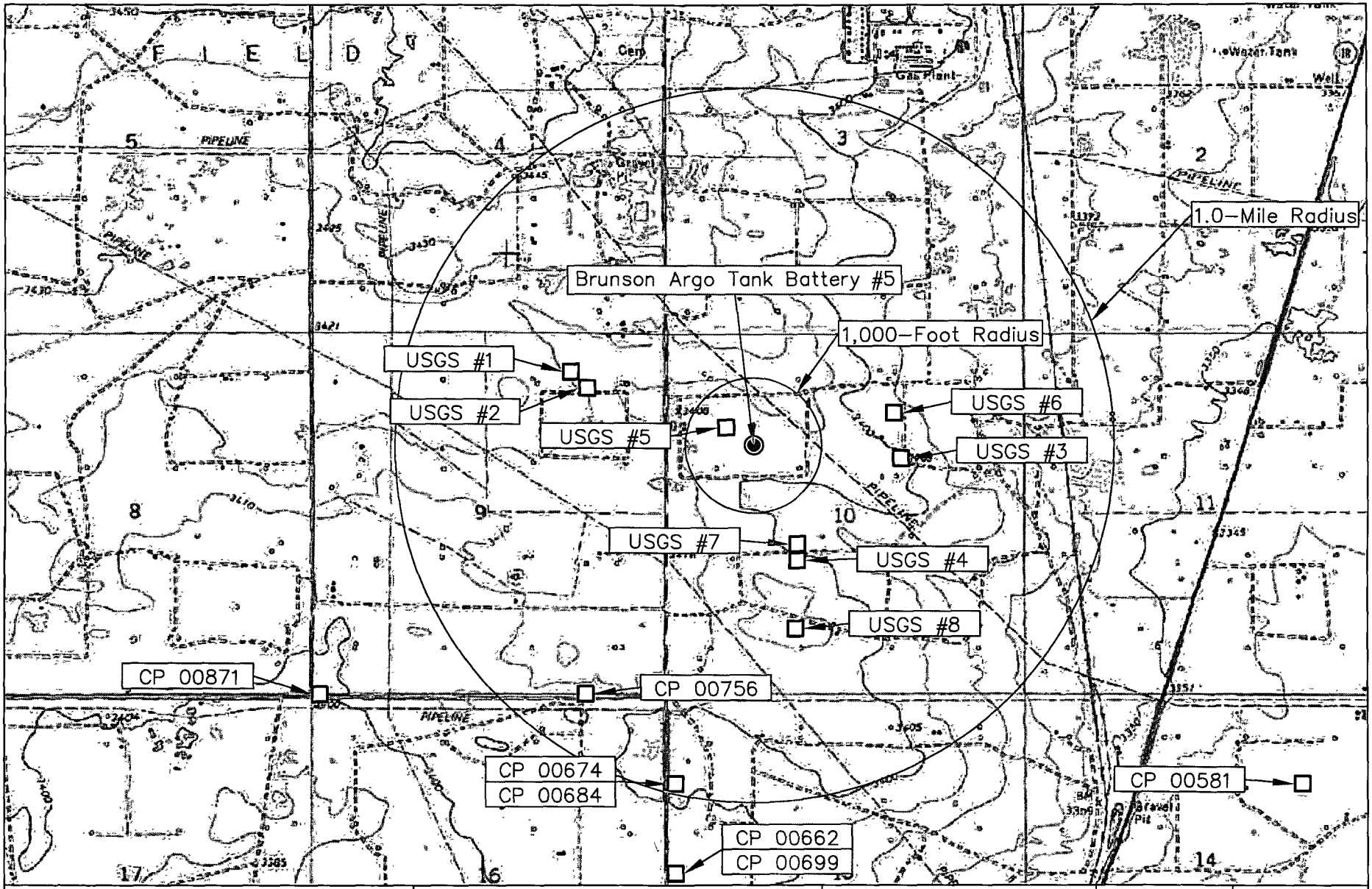


Figure 2 Site Location Map Chevron Corporation Brunson Argo Tank Battery #5	Lea County, New Mexico NW 1/4 of the NW 1/4, Sec. 10, T22S, R37E N 32°24' 33.64" W 103°09' 18.70" Elevation: 3,405 feet amsl	DWG By: Daniel Dominguez April 2007 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1 N

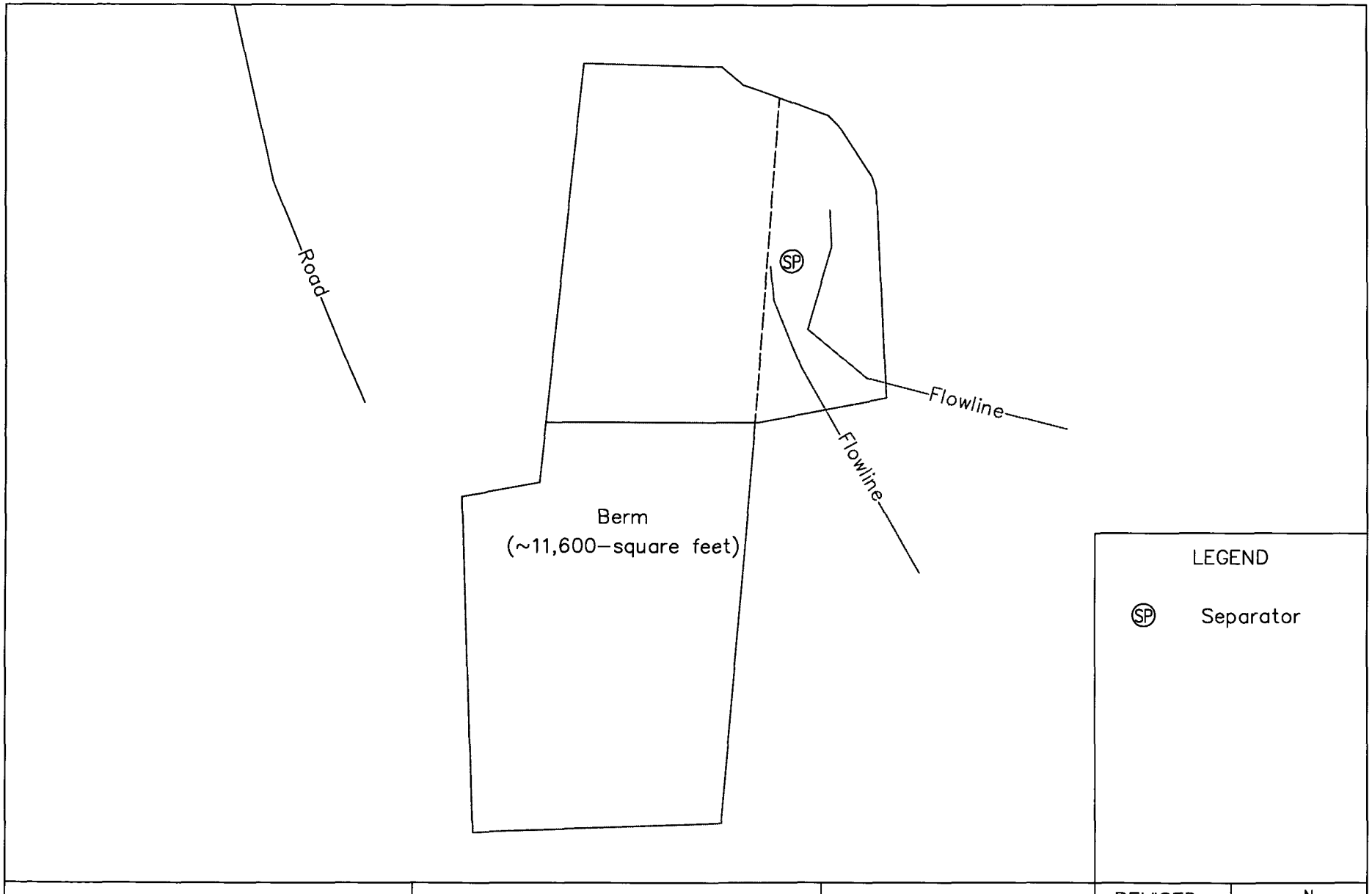


Figure 3 Site Map Chevron Corporation Brunson Argo Tank Battery #5	Lea County, New Mexico NW 1/4 of the NW 1/4, Sec. 10, T22S, R37E N 32°24' 33.64" W 103°09' 18.70" Elevation: 3,405 feet amsl	DWG By: Daniel Dominguez April 2007 0 30 60 Feet	REVISED: SHEET 1 of 1	N

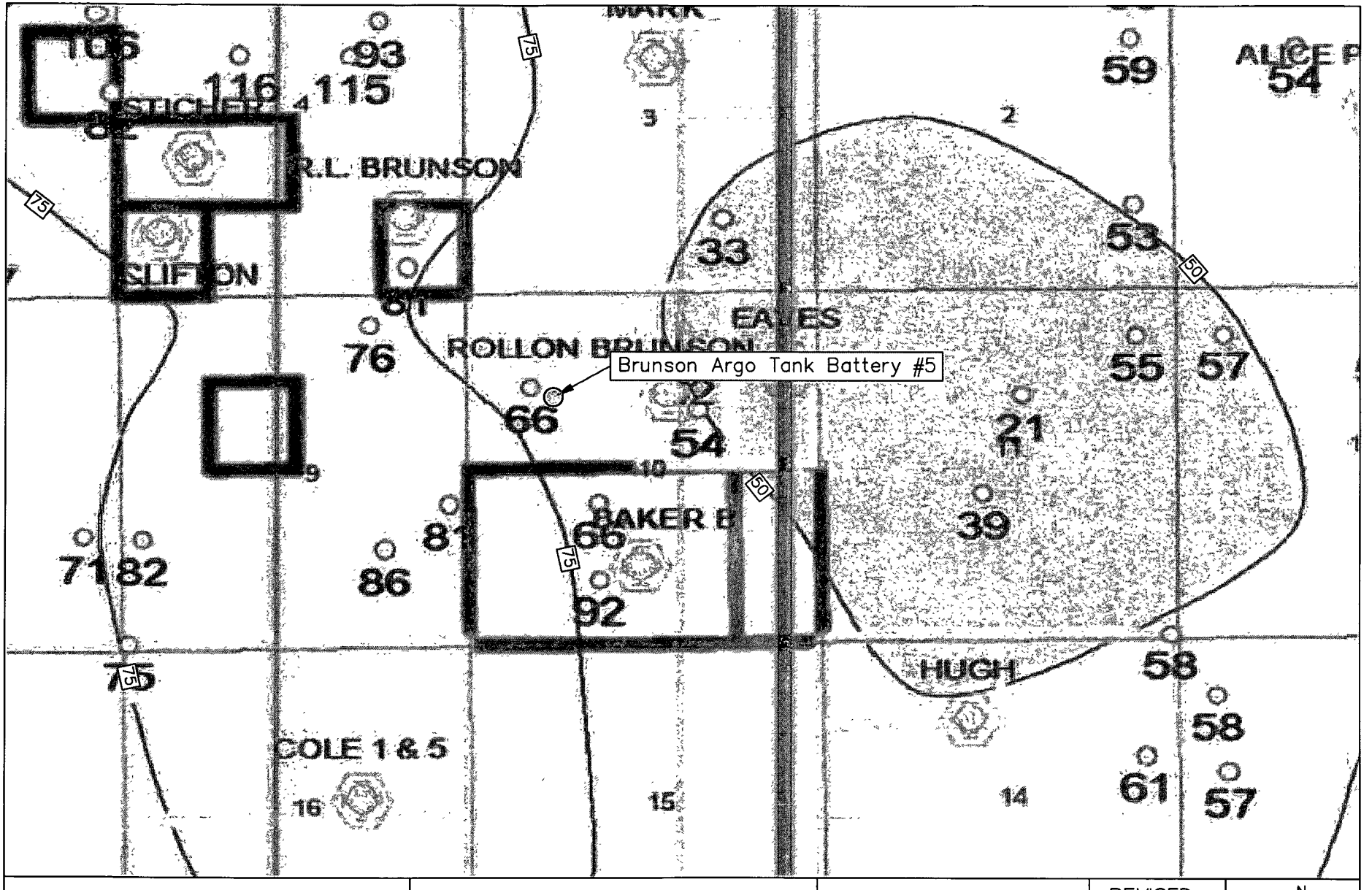


Figure 4 Groundwater Gradient Map Chevron Corporation Brunson Argo Tank Battery #5	Lea County, New Mexico NW 1/4 of the NW 1/4, Sec. 10, T22S, R37E N 32°24' 33.64" W 103°09' 18.70" Elevation: 3,405 feet amsl	DWG By: Daniel Dominguez April 2007	REVISED:
		0 2,000 4,000 Feet	SHEET 1 of 1

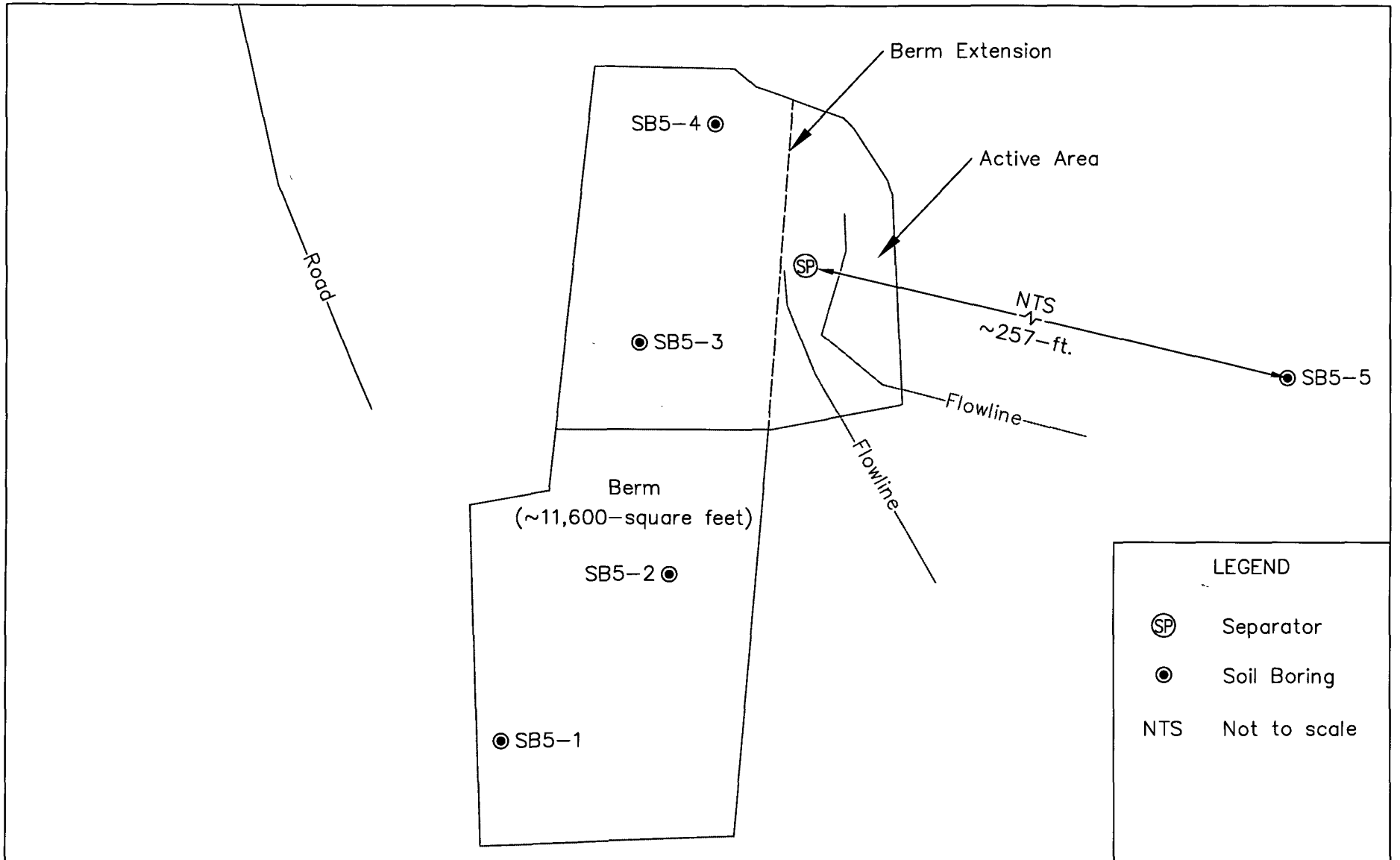


Figure 5 Soil Boring Location Map Chevron Corporation Brunson Argo Tank Battery #5	Lea County, New Mexico NW 1/4 of the NW 1/4, Sec. 10, T22S, R37E N 32°24' 33.64" W 103°09' 18.70" Elevation: 3,405 feet amsl	DWG By: Daniel Dominguez April 2007	REVISED:	N
		0 30 60 Feet	SHEET 1 of 1	

TABLES

TABLE 1

WELL INFORMATION REPORT*

Chevron USA - Brunson Argo Tank Battery #5 (Ref #200130)

Well Number	Diversion[A]	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
CP 00581	3	NORTHERN NATURAL GAS CO	SAN	22S	37E	14 2 2 2	N32° 23' 43.32"	W103° 07' 44 48"	18-Apr-79	3,335	65
CP 00662	3	GEORGE SCHELLER	DOM	22S	37E	15 1 3 3	N32° 23' 30.26"	W103° 09' 32 15"	20-Jul-83	3,405	150
CP 00674	3	WARREN & VERNA HUGHES	DOM	22S	37E	15 1 1	N32° 23' 43 31"	W103° 09' 32.15"	27-Mar-85	3,399	75
CP 00684	3	WARREN & VUNA HUGHES	MUL	22S	37E	15 1 1	N32° 23' 43 31"	W103° 09' 32.15"	01-Aug-85	3,399	180
CP 00699	3	MARTIN CARRASCO	DOM	22S	37E	15 1	N32° 23' 30 26"	W103° 09' 32.15"	02-Jun-86	3,405	100
CP 00756	3	CHARLIE BETTIS	DOM	22S	37E	09 4 4 2	N32° 23' 56 34"	W103° 09' 47.53"	30-Oct-90	3,408	85
CP 00871	3	BILL OR BARBARA TRULL	DOM	22S	37E	09 3	N32° 23' 56.30"	W103° 10' 33.67"	29-Sep-97	3,400	94
USGS #1				22S	37E	09 2 1 2			17-Mar-81	3,415	76.2
USGS #2				22S	37E	09 2 2 3			22-Jan-76	3,415	78.57
USGS #3				22S	37E	10 2 3 2			27-Jan-76	3,400	54.44
USGS #4				22S	37E	10 3 2 1			27-Jan-76	3,400	69 54
USGS #5				22S	37E	10 1 3 2			27-Jan-76	3,405	65 59
USGS #6				22S	37E	10 2 1 4			27-Jan-76	3,399	41 88
USGS #7				22S	37E	10 3 2 1			17-Mar-81	3,399	66.05
USGS #8				22S	37E	10 3 4 1			15-Feb-96	3,410	91.64
CP 00679	3	FRED FERBRACHE	DOM	22S	37E	15 3 3	N32° 23' 4.17"	W103° 09' 32.14"	20-May-85	3,380	98
CP 00708	3	ROBERT A CUETO	DOM	22S	37E	15	N32° 23' 4.17"	W103° 09' 32.14"	15-Apr-87	3,380	185
CP 00709	3	JAMES D SMITH	DOM	22S	37E	15 3 4 2	N32° 23' 4.17"	W103° 09' 16.78"	29-Apr-87	3,385	87

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.osc.state nm us.7001/iWATERS/wr_RegisServlet1) and USGS Database.
[A] = in acre feet per annum
[B] = Interpolated from USGS Topographical Map
DOM = Domestic one household
MUL = Multiple Domestic Households
(quarters are 1=NW, 2=NE, 3=SW, 4=SE)
(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)
Shaded area indicates wells not shown on Figure 2

TABLE 2

Summary of Soil Boring Field Analyses and Laboratory Analytical Results

Chevron U.S.A. Inc.

Brunson Argo #5 (NMOCD Ref.#; EPI Ref.# 200130)

Sample I D	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges (C6-C12) (mg/Kg)	Carbon Ranges (C12-C28) (mg/Kg)	Carbon Ranges (C28 C35) (mg/Kg)	Total Hydrocarbons (C6-C35) (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
SB5-1	2	In-situ	26-Apr-07	0 3	200	<0 0250	<0 00250	<0 0250	<0 0250	<0 0250	<0 125	10 0	156	72 9	239	12 3	5 31
SB5-1	5	In-situ	26-Apr-07	160 0	200	<0 0250	0 101	0 289	1 12	0 408	1 92	769	2,880	326	3,975	20 2	J [4 75]
SB5-1	10	In-situ	26-Apr-07	65 0	200	<0 0250	J [0 0103]	0 0408	0 0601	0 0305	0 131	48 9	194	25 3	268 0	54 5	J [4 58]
SB5-1	15	In-situ	26-Apr-07	34 0	260	<0 0250	<0 00250	<0 0250	<0 0250	<0 0250	<0 125	13 4	32 0	10 3	55 7	44 9	J [4 00]
SB5-1	20	In-situ	25-Apr-07	20 0	200	<0 0250	<0 00250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	41 4	5 06
SB5-2	2	In-situ	26-Apr-07	560 0	240	<0 0250	<0 00250	<0 0250	<0 0250	<0 0250	<0.125	12 2	513	154	679	55 4	8 79
SB5-2	5	In-situ	26-Apr-07	14 0	200	<0 0250	0 0526	0 309	0 377	0 0561	0 795	40 9	196	33 7	271	86 7	17 1
SB5-2	10	In-situ	26-Apr-07	34 0	200	<0 0250	0 0282	0 141	0 176	0 0267	0 372	35 3	136	24 9	196	50 5	8 25
SB5-2	15	In-situ	26-Apr-07	20 0	200	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	62 0	6 87
SB5-2	20	In-situ	26-Apr-07	17 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	53 7	7 01
SB5-3	2	In-situ	27-Apr-07	504 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	10 8	202	64 5	277	502	67 6
SB5-3	5	In-situ	27-Apr-07	397 0	240	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	178	**380**
SB5-3	10	In-situ	27-Apr-07	13 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	<5 00	9 56
SB5-3	15	In-situ	27-Apr-07	10 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	148	47 9

TABLE 2

Summary of Soil Boring Field Analyses and Laboratory Analytical Results

Chevron U.S.A. Inc.

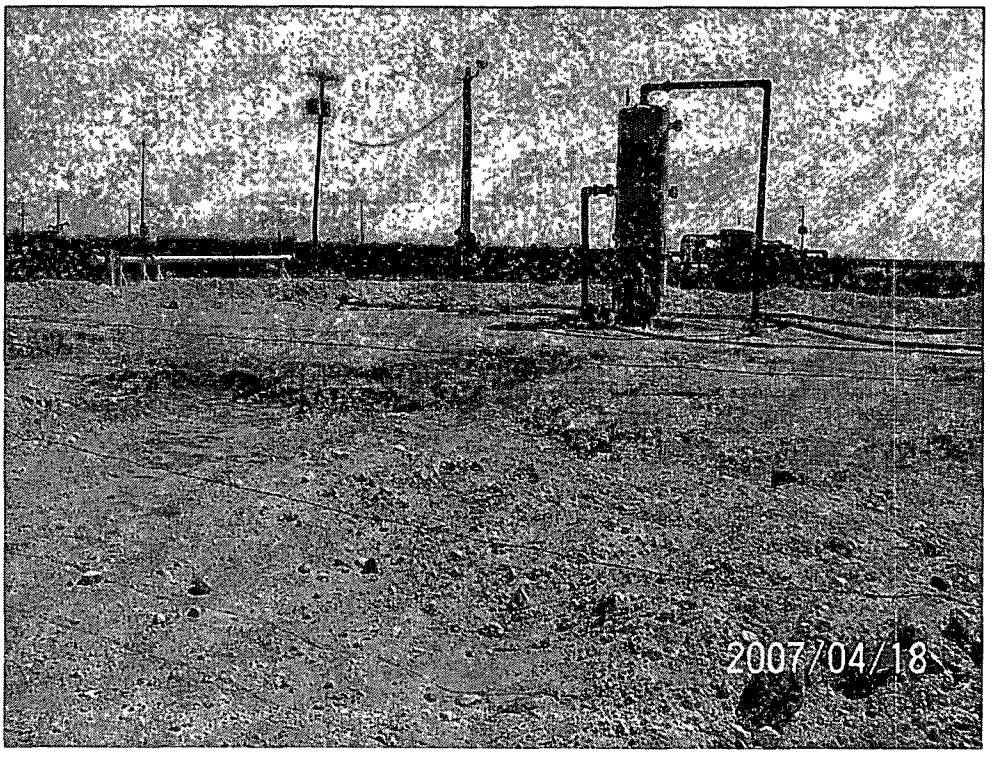
Brunson Argo #5 (NMOCD Ref.#; EPI Ref.# 200130)

Sample I D	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m) (mg/Kg)	Xylenes (o) (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges (C6-C12) (mg/Kg)	Carbon Ranges (C12-C28) (mg/Kg)	Carbon Ranges (C28 C35) (mg/Kg)	Total Hydrocarbons (C6-C35) (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
SB5-4	2	In-situ	27-Apr-07	0 9	200	<0 0250	J [0 00101]	<0 0250	<0 0250	<0 0250	<0 125	12 5	108	49 7	170	**803**	J [9 79]
SB5-4	5	In-situ	27-Apr-07	0 8	200	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	**709**	J [7 54]
SB5-4	10	In-situ	27-Apr-07	0 9	200	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	192	28 1
SB5-5 (BG)	2	In-situ	30-Apr-07	0 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	64 2	J [4 56]
SB5-5 (BG)	5	In-situ	30-Apr-07	0 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10.0	<10 0	<30 0	37 6	J [4 10]
SB5-5 (BG)	10	In-situ	30-Apr-07	0 0	160	<0 0250	<0 0250	<0 0250	<0 0250	<0 0250	<0 125	<10 0	<10 0	<10 0	<30 0	53 7	13 7
NMOCD Remedial Thresholds				100		10					50				100	600	250

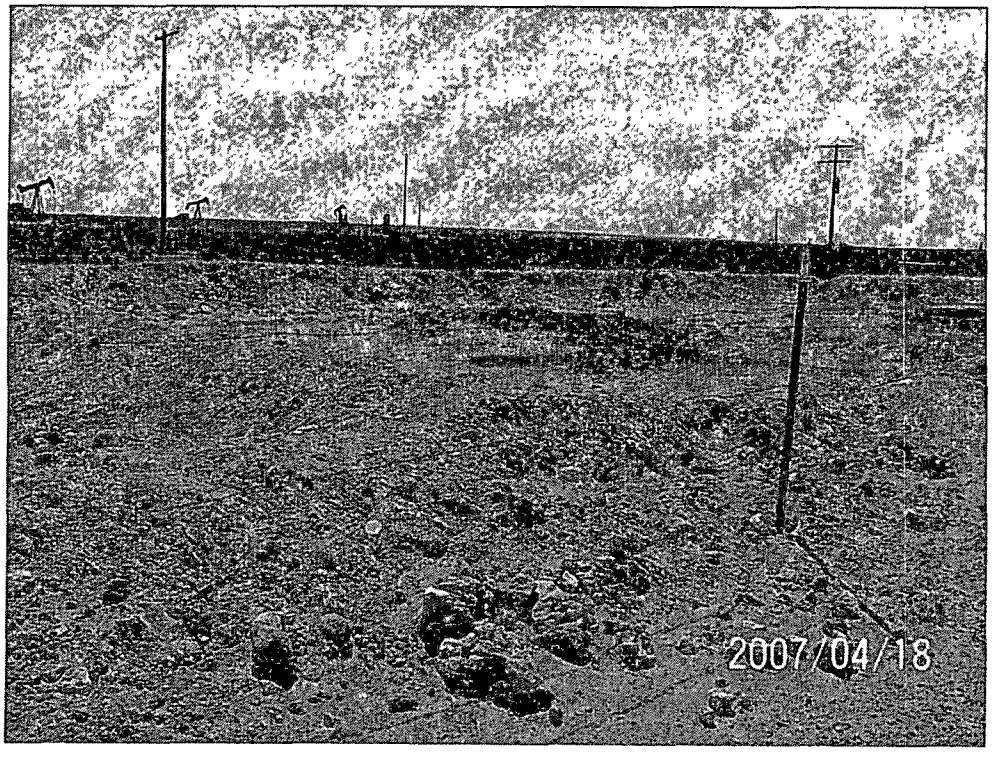
Bolded values are in excess of NMOCD Remediation Threshold Goals
-- = Not Analyzed
J = Detected, but below the Reporting Limit Therefore, result is an estimated concentration (CPL J-Flag
BG = Background Soil Boring

ATTACHMENTS

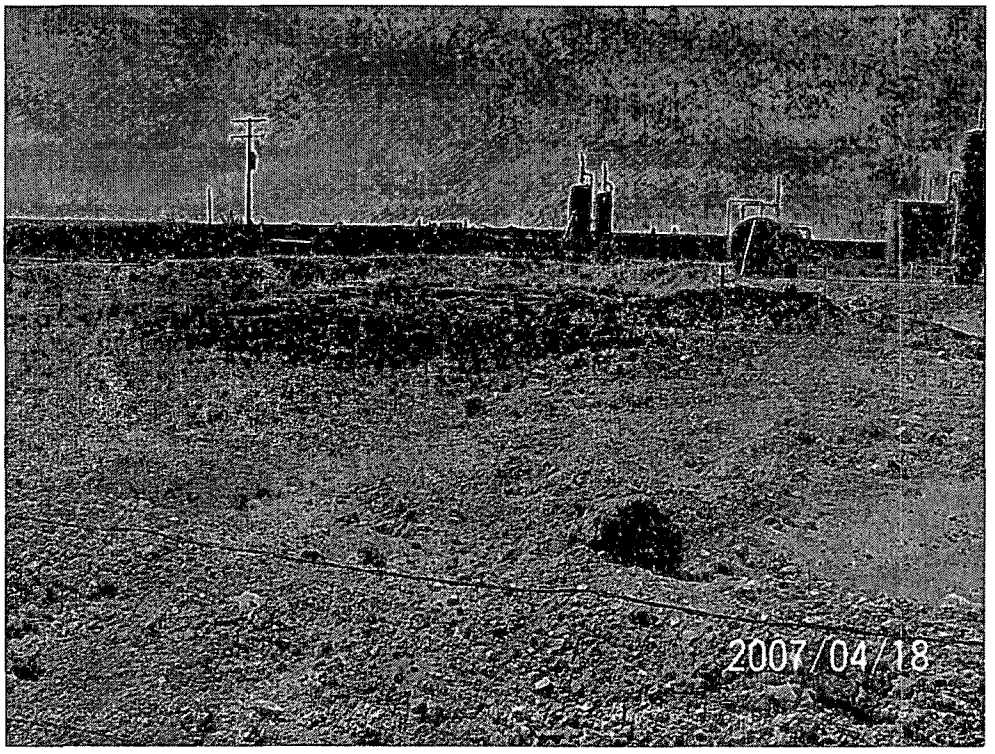
ATTACHMENT I
SITE PHOTOGRAPHS



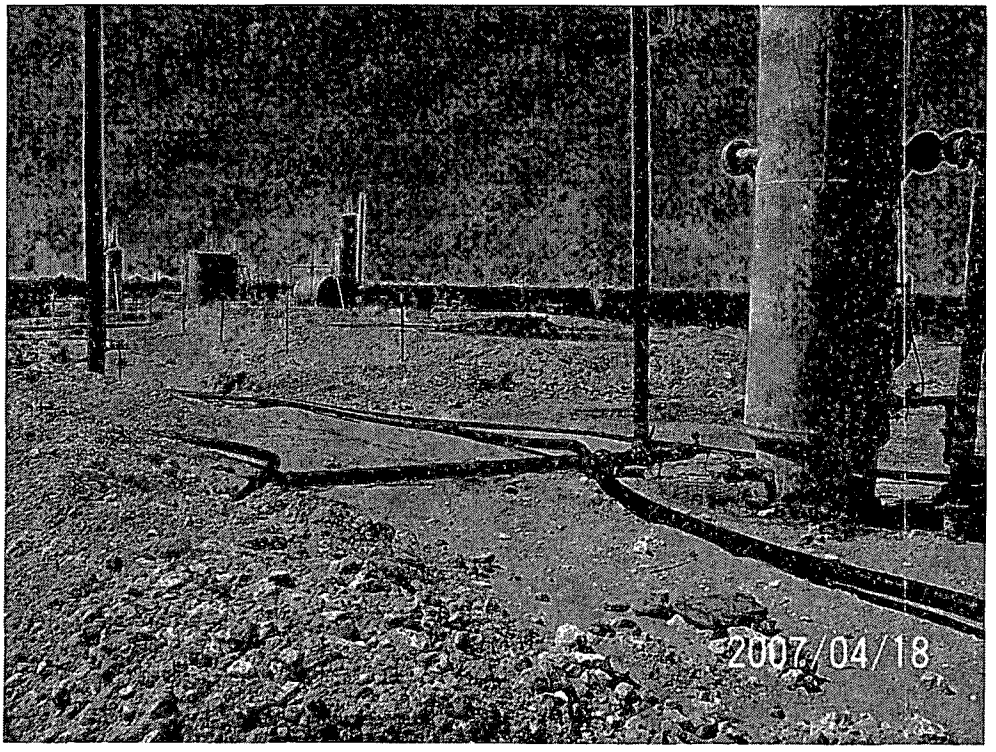
Photograph #1 – Bermed area around separator



Photographs #2 – Bermed area around decommissioned tank battery



Photograph #3 – Bermed area around decommissioned tank battery



Photograph #4 – Bermed area around separator and decommissioned tank battery

ATTACHMENT II
LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORM

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Chevron/Brunson Argo TB # 5

Project Number: 200130

Location: UL-D, Sec. 10,T 22 S, R 37 E

Lab Order Number: 7D30017

Report Date: 05/08/07

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: Chevron/Brunson Argo TB # 5
Project Number: 200130
Project Manager: Iain Olness

Fax 505-394-2601

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 (2')	7D30017-01	Soil	04/26/07 12.35	04-30-2007 15 42
SB-1 (5')	7D30017-02	Soil	04/26/07 12:41	04-30-2007 15:42
SB-1 (10')	7D30017-03	Soil	04/26/07 13.01	04-30-2007 15.42
SB-1 (15')	7D30017-04	Soil	04/26/07 14 15	04-30-2007 15 42
SB-1 (20')	7D30017-05	Soil	04/26/07 15 44	04-30-2007 15.42
SB-2 (2')	7D30017-06	Soil	04/26/07 15.50	04-30-2007 15:42
SB-2 (5')	7D30017-07	Soil	04/26/07 16:00	04-30-2007 15.42
SB-2 (10')	7D30017-08	Soil	04/26/07 16:15	04-30-2007 15:42
SB-2 (15')	7D30017-09	Soil	04/26/07 17.05	04-30-2007 15 42
SB-2 (20')	7D30017-10	Soil	04/26/07 17 15	04-30-2007 15.42
SB-3 (2')	7D30017-11	Soil	04/27/07 07:15	04-30-2007 15 42
SB-3 (5')	7D30017-12	Soil	04/27/07 07.30	04-30-2007 15.42
SB-3 (10')	7D30017-13	Soil	04/27/07 08:00	04-30-2007 15.42
SB-3 (15')	7D30017-14	Soil	04/27/07 10.10	04-30-2007 15.42
SB-4 (2')	7D30017-15	Soil	04/27/07 10 35	04-30-2007 15 42
SB-4 (5')	7D30017-16	Soil	04/27/07 10:41	04-30-2007 15:42
SB-4 (10')	7D30017-17	Soil	04/27/07 11.30	04-30-2007 15.42

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 (2') (7D30017-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*98.0 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*95.6 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**10.0**	10.0	mg/kg dry	1	EE70104	05/01/07	05/03/07	EPA 8015M	
Carbon Ranges C12-C28	**156**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**72.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**239**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*83.6 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
SB-1 (5') (7D30017-02) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	**0.101**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.289**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.12**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.408**	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*108 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*141 %*	*75-125*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**769**	50.0	mg/kg dry	5	EE70104	05/01/07	05/03/07	EPA 8015M	
Carbon Ranges C12-C28	**2880**	50 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**326**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**3980**	50 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*18.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate 1-Chlorooctadecane		*27.4 %*	*70-130*		"	"	"	"	*S-06*
SB-1 (10') (7D30017-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	**J [0.0103]**	0 0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0408**	0 0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0601**	0 0250	"	"	"	"	"	"	
Xylene (o)	**0.0305**	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*94.4 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*86 2 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**48.9**	10 0	mg/kg dry	1	EE70104	05/01/07	05/03/07	EPA 8015M	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 (10') (7D30017-03) Soil									
Carbon Ranges C12-C28	**194**	10 0	mg/kg dry	1	EE70104	05/01/07	05/03/07	EPA 8015M	
Carbon Ranges C28-C35	**25.3**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**268**	10 0	"	"	"	"	"	"	
Surrogate· 1-Chlorooctane		*92.6 %*	*70-130*		"	"	"	"	
Surrogate. 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
SB-1 (15') (7D30017-04) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate. a,a,a-Trifluorotoluene		*78 2 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*91.2 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**13.4**	10.0	mg/kg dry	1	EE70104	05/01/07	05/03/07	EPA 8015M	
Carbon Ranges C12-C28	**32.0**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**10.3**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**55.6**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*87 6 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
SB-1 (20') (7D30017-05) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*75.6 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*76 2 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*75.0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*90.2 %*	*70-130*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 (2') (7D30017-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*101 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*93.0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**12.2**	10 0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	**513**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**154**	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**679**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*86 2 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
SB-2 (5') (7D30017-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	**0.0526**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.309**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.377**	0 0250	"	"	"	"	"	"	
Xylene (o)	**0.0561**	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*104 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*111 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**40.9**	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	**196**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**33.7**	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**271**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*91 0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
SB-2 (10') (7D30017-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	**0.0282**	0 0250	"	"	"	"	"	"	
Ethylbenzene	**0.141**	0 0250	"	"	"	"	"	"	
Xylene (p/m)	**0.176**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0267**	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*94 0 %*	*75-125*		"	"	"	"	
Surrogate· 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**35.3**	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	

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Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 (10') (7D30017-08) Soil									
Carbon Ranges C12-C28	**136**	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C28-C35	**24.9**	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**196**	10 0	"	"	"	"	"	"	
Surrogate. 1-Chlorooctane		*93.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
SB-2 (15') (7D30017-09) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate· a,a,a-Trifluorotoluene		*81.4 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*85.0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*79.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*94.6 %*	*70-130*		"	"	"	"	
SB-2 (20') (7D30017-10) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70207	05/02/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*83 8 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*83.2 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*83.0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*99.2 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 (2') (7D30017-11) Soil									
Benzene	ND	0 00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*75.4 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*78.4 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**10.8**	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	**202**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**64.5**	10 0	"	"	"	"	"	"	
Total Hydrocarbons	**280**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*84.0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
SB-3 (5') (7D30017-12) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*93.0 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*89.8 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*84.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*99 0 %*	*70-130*		"	"	"	"	
SB-3 (10') (7D30017-13) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*92 2 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*91.6 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 (10') (7D30017-13) Soil									
Carbon Ranges C12-C28	ND	10 0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.2 %*	*70-130*		"	"	"	"	
Surrogate. 1-Chlorooctadecane		*98.2 %*	*70-130*		"	"	"	"	
SB-3 (15') (7D30017-14) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate· a,a,a-Trifluorotoluene		*83.8 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*85 0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*81.8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*95.0 %*	*70-130*		"	"	"	"	
SB-4 (2') (7D30017-15) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	**J [0.00101]**	0.00200	"	"	"	"	"	"	J
Ethylbenzene	**ND**	0.00200	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0 00200	"	"	"	"	"	"	
Xylene (o)	**ND**	0.00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*75.6 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*79 0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	**12.5**	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	**108**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**49.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**170**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*85 6 %*	*70-130*		"	"	"	"	
Surrogate· 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	

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Project Manager: Iain Olness

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-4 (5') (7D30017-16) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*83 2 %*	*75-125*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*81.0 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*84 2 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*98 0 %*	*70-130*		"	"	"	"	
SB-4 (10') (7D30017-17) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EE70306	05/03/07	05/03/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*91.2 %*	*75-125*		"	"	"	"	
Surrogate. 4-Bromofluorobenzene		*92.8 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE70105	05/01/07	05/04/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*81 4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*96.6 %*	*70-130*		"	"	"	"	

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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 (2') (7D30017-01) Soil									
Chloride	**5.31**	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**14.8**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**12.3**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-1 (5') (7D30017-02) Soil									
Chloride	**J [4.75]**	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300.0	J
% Moisture	**18.7**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**20.2**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-1 (10') (7D30017-03) Soil									
Chloride	**J [4.58]**	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300.0	J
% Moisture	**10.1**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**54.5**	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-1 (15') (7D30017-04) Soil									
Chloride	**J [4.00]**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	J
% Moisture	**9.2**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**44.9**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-1 (20') (7D30017-05) Soil									
Chloride	**5.06**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**15.0**	0 1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**41.4**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300.0	
SB-2 (2') (7D30017-06) Soil									
Chloride	**8.79**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**6.7**	0 1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**55.4**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-2 (5') (7D30017-07) Soil									
Chloride	**17.1**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**11.7**	0 1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**86.7**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 (10') (7D30017-08) Soil									
Chloride	**8.25**	5 00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**8.7**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**50.5**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-2 (15') (7D30017-09) Soil									
Chloride	**6.87**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**7.5**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**62.0**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-2 (20') (7D30017-10) Soil									
Chloride	**7.01**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**6.3**	0 1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**53.7**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-3 (2') (7D30017-11) Soil									
Chloride	**67.6**	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300.0	
% Moisture	**8.6**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**502**	10 0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-3 (5') (7D30017-12) Soil									
Chloride	**380**	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**14.1**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**178**	10.0	mg/kg	20	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-3 (10') (7D30017-13) Soil									
Chloride	**9.56**	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
% Moisture	**8.7**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	ND	5.00	mg/kg	10	EE70708	05/07/07	05/07/07	EPA 300 0	
SB-3 (15') (7D30017-14) Soil									
Chloride	**47.9**	5.00	mg/kg	10	EE70713	05/07/07	05/08/07	EPA 300 0	
% Moisture	**13.6**	0 1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**148**	5 00	mg/kg	10	EE70713	05/07/07	05/08/07	EPA 300 0	

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General Chemistry Parameters by EPA / Standard Methods

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-4 (2') (7D30017-15) Soil									
Chloride	**J [9.79]**	10.0	mg/kg	20	EE70713	05/07/07	05/08/07	EPA 300 0	J
% Moisture	**12.0**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**803**	10 0	mg/kg	20	EE70713	05/07/07	05/08/07	EPA 300 0	
SB-4 (5') (7D30017-16) Soil									
Chloride	**J [7.54]**	10.0	mg/kg	20	EE70713	05/07/07	05/08/07	EPA 300 0	J
% Moisture	**15.0**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**709**	10 0	mg/kg	20	EE70713	05/07/07	05/08/07	EPA 300.0	
SB-4 (10') (7D30017-17) Soil									
Chloride	**28.1**	5.00	mg/kg	10	EE70713	05/07/07	05/08/07	EPA 300 0	
% Moisture	**8.6**	0.1	%	1	EE70208	05/01/07	05/01/07	% calculation	
Sulfate	**192**	5 00	mg/kg	10	EE70713	05/07/07	05/08/07	EPA 300 0	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70104 - Solvent Extraction (GC)										
Blank (EE70104-BLK1)				Prepared: 05/01/07 Analyzed 05/03/07						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbons	ND	10 0	"							
Surrogate 1-Chlorooctane	*47 5*		*mg/kg*	*50 0*		*95 0*	*70-130*			
Surrogate 1-Chlorooctadecane	*54 9*		"	*50 0*		*110*	*70-130*			
LCS (EE70104-BS1)				Prepared. 05/01/07 Analyzed. 05/03/07						
Carbon Ranges C6-C12	625	10 0	mg/kg wet	500		125	75-125			
Carbon Ranges C12-C28	527	10 0	"	500		105	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbons	1150	10 0	"	1000		115	75-125			
Surrogate 1-Chlorooctane	*61 5*		*mg/kg*	*50.0*		*123*	*70-130*			
Surrogate 1-Chlorooctadecane	*56 8*		"	*50 0*		*114*	*70-130*			
Calibration Check (EE70104-CCV1)				Prepared 05/01/07 Analyzed. 05/03/07						
Carbon Ranges C6-C12	219		mg/kg	250		87 6	80-120			
Carbon Ranges C12-C28	210		"	250		84 0	80-120			
Total Hydrocarbons	429		"	500		85 8	80-120			
Surrogate 1-Chlorooctane	*56 1*		"	*50 0*		*112*	*70-130*			
Surrogate 1-Chlorooctadecane	*59 0*		"	*50 0*		*118*	*70-130*			
Matrix Spike (EE70104-MS1)	**Source: 7D30017-04**			Prepared. 05/01/07 Analyzed. 05/04/07						
Carbon Ranges C6-C12	645	10 0	mg/kg dry	551	13.4	115	75-125			
Carbon Ranges C12-C28	518	10 0	"	551	32.0	88 2	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	10 3		75-125			
Total Hydrocarbons	1160	10 0	"	1100	55 6	100	75-125			
Surrogate 1-Chlorooctane	*48 9*		*mg/kg*	*50 0*		*97 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*43 7*		"	*50 0*		*87 4*	*70-130*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70104 - Solvent Extraction (GC)										
Matrix Spike Dup (EE70104-MSD1)	**Source: 7D30017-04**			Prepared 05/01/07 Analyzed 05/04/07						
Carbon Ranges C6-C12	659	10 0	mg/kg dry	551	13 4	117	75-125	1 72	20	
Carbon Ranges C12-C28	528	10 0	"	551	32 0	90 0	75-125	2 02	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	10 3		75-125		20	
Total Hydrocarbons	1190	10 0	"	1100	55 6	103	75-125	2 96	20	
Surrogate 1-Chlorooctane	*50 8*		*mg/kg*	*50 0*		*102*	*70-130*			
Surrogate 1-Chlorooctadecane	*45 1*		*"*	*50 0*		*90.2*	*70-130*			
Batch EE70105 - Solvent Extraction (GC)										
Blank (EE70105-BLK1)				Prepared: 05/01/07 Analyzed 05/04/07						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbons	ND	10 0	"							
Surrogate 1-Chlorooctane	*42.6*		*mg/kg*	*50 0*		*85 2*	*70-130*			
Surrogate 1-Chlorooctadecane	*49 6*		*"*	*50 0*		*99 2*	*70-130*			
LCS (EE70105-BS1)				Prepared. 05/01/07 Analyzed. 05/04/07						
Carbon Ranges C6-C12	560	10.0	mg/kg wet	500		112	75-125			
Carbon Ranges C12-C28	441	10 0	"	500		88 2	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbons	1000	10 0	"	1000		100	75-125			
Surrogate 1-Chlorooctane	*55 7*		*mg/kg*	*50 0*		*111*	*70-130*			
Surrogate 1-Chlorooctadecane	*51 1*		*"*	*50 0*		*102*	*70-130*			
Calibration Check (EE70105-CCV1)				Prepared. 05/01/07 Analyzed 05/04/07						
Carbon Ranges C6-C12	213		mg/kg	250		85 2	80-120			
Carbon Ranges C12-C28	204		"	250		81.6	80-120			
Total Hydrocarbons	417		"	500		83 4	80-120			
Surrogate 1-Chlorooctane	*55 9*		*"*	*50 0*		*112*	*70-130*			
Surrogate 1-Chlorooctadecane	*57 2*		*"*	*50 0*		*114*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70105 - Solvent Extraction (GC)										
Matrix Spike (EE70105-MS1)	**Source: 7D30017-05**			Prepared 05/01/07 Analyzed. 05/07/07						
Carbon Ranges C6-C12	673	10 0	mg/kg dry	588	ND	114	75-125			
Carbon Ranges C12-C28	535	10.0	"	588	ND	91 0	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0.00	ND		75-125			
Total Hydrocarbons	1210	10 0	"	1180	ND	103	75-125			
Surrogate 1-Chlorooctane	*49.1*		*mg/kg*	*50 0*		*98 2*	*70-130*			
Surrogate 1-Chlorooctadecane	*44 5*		*"*	*50 0*		*89 0*	*70-130*			
Matrix Spike Dup (EE70105-MSD1)	**Source: 7D30017-05**			Prepared. 05/01/07 Analyzed 05/07/07						
Carbon Ranges C6-C12	700	10 0	mg/kg dry	588	ND	119	75-125	4 29	20	
Carbon Ranges C12-C28	561	10 0	"	588	ND	95 4	75-125	4 72	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbons	1260	10 0	"	1180	ND	107	75-125	3 81	20	
Surrogate 1-Chlorooctane	*52 6*		*mg/kg*	*50 0*		*105*	*70-130*			
Surrogate 1-Chlorooctadecane	*45 9*		*"*	*50 0*		*91 8*	*70-130*			
Batch EE70207 - EPA 5030C (GC)										
Blank (EE70207-BLK1)				Prepared & Analyzed. 05/02/07						
Benzene	ND	0 00100	mg/kg wet							
Toluene	ND	0 00100	"							
Ethylbenzene	ND	0 00100	"							
Xylene (p/m)	ND	0 00100	"							
Xylene (o)	ND	0 00100	"							
Surrogate a,a,a-Trifluorotoluene	*48 9*		*ug/kg*	*50 0*		*97 8*	*75-125*			
Surrogate 4-Bromofluorobenzene	*50 0*		*"*	*50 0*		*100*	*75-125*			
LCS (EE70207-BS1)				Prepared & Analyzed: 05/02/07						
Benzene	0 0515	0 00100	mg/kg wet	0 0500		103	80-120			
Toluene	0 0524	0.00100	"	0 0500		105	80-120			
Ethylbenzene	0 0514	0 00100	"	0 0500		103	80-120			
Xylene (p/m)	0 0998	0 00100	"	0 100		99.8	80-120			
Xylene (o)	0 0544	0 00100	"	0 0500		109	80-120			
Surrogate a,a,a-Trifluorotoluene	*47 9*		*ug/kg*	*50 0*		*95 8*	*75-125*			
Surrogate 4-Bromofluorobenzene	*52 0*		*"*	*50 0*		*104*	*75-125*			

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Organics by GC - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70207 - EPA 5030C (GC)										
Calibration Check (EE70207-CCV1)				Prepared. 05/02/07 Analyzed 05/03/07						
Benzene	51 1		ug/kg	50 0		102	80-120			
Toluene	51 6		"	50 0		103	80-120			
Ethylbenzene	52 9		"	50 0		106	80-120			
Xylene (p/m)	96 2		"	100		96 2	80-120			
Xylene (o)	53 3		"	50 0		107	80-120			
Surrogate a,a,a-Trifluorotoluene	*48 6*		"	*50 0*		*97 2*	*75-125*			
Surrogate 4-Bromofluorobenzene	*50 8*		"	*50 0*		*102*	*75-125*			
Matrix Spike (EE70207-MS1)		**Source: 7D30017-04**		Prepared 05/02/07 Analyzed 05/03/07						
Benzene	0 101	0 00200	mg/kg dry	0 110	ND	91 8	80-120			
Toluene	0 102	0 00200	"	0 110	ND	92 7	80-120			
Ethylbenzene	0 108	0 00200	"	0 110	ND	98 2	80-120			
Xylene (p/m)	0 196	0 00200	"	0 220	ND	89 1	80-120			
Xylene (o)	0 105	0 00200	"	0 110	ND	95 5	80-120			
Surrogate a,a,a-Trifluorotoluene	*44 4*		*ug/kg*	*50 0*		*88 8*	*75-125*			
Surrogate 4-Bromofluorobenzene	*46 5*		"	*50 0*		*93 0*	*75-125*			
Matrix Spike Dup (EE70207-MSD1)		**Source: 7D30017-04**		Prepared. 05/02/07 Analyzed 05/03/07						
Benzene	0 0980	0 00200	mg/kg dry	0 110	ND	89 1	80-120	2 99	20	
Toluene	0 0992	0 00200	"	0 110	ND	90 2	80-120	2 73	20	
Ethylbenzene	0 105	0 00200	"	0 110	ND	95 5	80-120	2 79	20	
Xylene (p/m)	0 191	0 00200	"	0 220	ND	86 8	80-120	2.62	20	
Xylene (o)	0 102	0 00200	"	0 110	ND	92.7	80-120	2.98	20	
Surrogate a,a,a-Trifluorotoluene	*43 9*		*ug/kg*	*50.0*		*87 8*	*75-125*			
Surrogate 4-Bromofluorobenzene	*46 6*		"	*50 0*		*93 2*	*75-125*			
Batch EE70306 - EPA 5030C (GC)										
Blank (EE70306-BLK1)				Prepared & Analyzed. 05/03/07						
Benzene	ND	0 00100	mg/kg wet							
Toluene	ND	0 00100	"							
Ethylbenzene	ND	0 00100	"							
Xylene (p/m)	ND	0 00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate a,a,a-Trifluorotoluene	*52 4*		*ug/kg*	*50 0*		*105*	*75-125*			
Surrogate 4-Bromofluorobenzene	*49 6*		"	*50 0*		*99 2*	*75-125*			

Environmental Plus, Incorporated
P O Box 1558
Eunice NM, 88231

Project. Chevron/Brunson Argo TB # 5
Project Number. 200130
Project Manager Iain Olness

Fax: 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70306 - EPA 5030C (GC)										
LCS (EE70306-BS1)				Prepared & Analyzed 05/03/07						
Benzene	0 0503	0 00100	mg/kg wet	0 0500		101	80-120			
Toluene	0 0516	0 00100	"	0 0500		103	80-120			
Ethylbenzene	0 0541	0 00100	"	0 0500		108	80-120			
Xylene (p/m)	0 0991	0 00100	"	0 100		99 1	80-120			
Xylene (o)	0 0537	0 00100	"	0 0500		107	80-120			
Surrogate a,a,a-Trifluorotoluene	*52 4*		*ug/kg*	*50 0*		*105*	*75-125*			
Surrogate 4-Bromofluorobenzene	*54 2*		"	*50 0*		*108*	*75-125*			
Calibration Check (EE70306-CCV1)				Prepared & Analyzed: 05/03/07						
Benzene	50 7		ug/kg	50 0		101	80-120			
Toluene	50 9		"	50 0		102	80-120			
Ethylbenzene	52 7		"	50 0		105	80-120			
Xylene (p/m)	96 0		"	100		96 0	80-120			
Xylene (o)	52 9		"	50 0		106	80-120			
Surrogate a,a,a-Trifluorotoluene	*50 2*		"	*50 0*		*100*	*75-125*			
Surrogate 4-Bromofluorobenzene	*50 0*		"	*50 0*		*100*	*75-125*			
Matrix Spike (EE70306-MS1)	**Source: 7D30017-12**			Prepared 05/03/07 Analyzed. 05/04/07						
Benzene	0 101	0 00200	mg/kg dry	0 116	ND	87 1	80-120			
Toluene	0 102	0.00200	"	0 116	ND	87 9	80-120			
Ethylbenzene	0 107	0.00200	"	0 116	ND	92 2	80-120			
Xylene (p/m)	0 197	0 00200	"	0.233	ND	84 5	80-120			
Xylene (o)	0 103	0 00200	"	0 116	ND	88 8	80-120			
Surrogate a,a,a-Trifluorotoluene	*43 2*		*ug/kg*	*50 0*		*86 4*	*75-125*			
Surrogate 4-Bromofluorobenzene	*44 6*		"	*50 0*		*89 2*	*75-125*			
Matrix Spike Dup (EE70306-MSD1)	**Source: 7D30017-12**			Prepared. 05/03/07 Analyzed 05/04/07						
Benzene	0 104	0 00200	mg/kg dry	0 116	ND	89 7	80-120	2 94	20	
Toluene	0 105	0 00200	"	0 116	ND	90 5	80-120	2 91	20	
Ethylbenzene	0 110	0 00200	"	0 116	ND	94 8	80-120	2 78	20	
Xylene (p/m)	0 201	0.00200	"	0 233	ND	86 3	80-120	2 11	20	
Xylene (o)	0 106	0 00200	"	0 116	ND	91 4	80-120	2 89	20	
Surrogate a,a,a-Trifluorotoluene	*44 0*		*ug/kg*	*50 0*		*88 0*	*75-125*			
Surrogate 4-Bromofluorobenzene	*46 3*		"	*50 0*		*92 6*	*75-125*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70208 - General Preparation (Prep)										
Blank (EE70208-BLK1)				Prepared & Analyzed: 05/01/07						
% Solids	99 8		%							
Duplicate (EE70208-DUP1)	**Source: 7D30006-01**			Prepared & Analyzed 05/01/07						
% Solids	88 0		%		88 6			0 680	20	
Duplicate (EE70208-DUP2)	**Source: 7D30012-01**			Prepared & Analyzed. 05/01/07						
% Solids	88 5		%		87 4			1 25	20	
Duplicate (EE70208-DUP3)	**Source: 7D30017-11**			Prepared & Analyzed. 05/01/07						
% Solids	91 2		%		91 4			0 219	20	
Batch EE70708 - General Preparation (WetChem)										
Blank (EE70708-BLK1)				Prepared & Analyzed: 05/07/07						
Chloride	ND	0 500	mg/kg							
Sulfate	ND	0 500	"							
LCS (EE70708-BS1)				Prepared & Analyzed 05/07/07						
Sulfate	10 1	0 500	mg/kg	10 0		101	80-120			
Chloride	10 1	0 500	"	10 0		101	80-120			
Calibration Check (EE70708-CCV1)				Prepared & Analyzed. 05/07/07						
Chloride	9.20		mg/kg	10 0		92 0	80-120			
Sulfate	11 0		"	10 0		110	80-120			
Duplicate (EE70708-DUP1)	**Source: 7D27002-21**			Prepared & Analyzed 05/07/07						
Sulfate	864	10 0	mg/kg		879			1 72	20	
Chloride	13.6	10 0	"		12 7			6 84	20	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70708 - General Preparation (WetChem)										
Duplicate (EE70708-DUP2)	**Source: 7D30017-05**			Prepared & Analyzed. 05/07/07						
Sulfate	41 2	5 00	mg/kg		41 4			0 484	20	
Chloride	5 03	5.00	"		5 06			0 595	20	
Matrix Spike (EE70708-MS1)	**Source: 7D27002-21**			Prepared & Analyzed: 05/07/07						
Chloride	222	10 0	mg/kg	200	12 7	105	80-120			
Sulfate	1260	10 0	"	200	879	190	80-120			QM-10
Matrix Spike (EE70708-MS2)	**Source: 7D30017-05**			Prepared & Analyzed 05/07/07						
Sulfate	138	5 00	mg/kg	100	41 4	96 6	80-120			
Chloride	101	5 00	"	100	5 06	95 9	80-120			
Batch EE70713 - General Preparation (WetChem)										
Blank (EE70713-BLK1)				Prepared 05/07/07 Analyzed. 05/08/07						
Sulfate	ND	0 500	mg/kg							
Chloride	ND	0 500	"							
LCS (EE70713-BS1)				Prepared: 05/07/07 Analyzed: 05/08/07						
Sulfate	9.97	0 500	mg/kg	10 0		99 7	80-120			
Chloride	10 7	0 500	"	10 0		107	80-120			
Calibration Check (EE70713-CCV1)				Prepared· 05/07/07 Analyzed. 05/08/07						
Sulfate	11 3		mg/kg	10 0		113	80-120			
Chloride	8 86		"	10 0		88 6	80-120			
Duplicate (EE70713-DUP1)	**Source: 7E04014-01**			Prepared: 05/07/07 Analyzed 05/08/07						
Sulfate	30 5	5 00	mg/kg		30 0			1.65	20	
Chloride	6 96	5 00	"		7 35			5 45	20	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70713 - General Preparation (WetChem)										
Duplicate (EE70713-DUP2)	**Source: 7D30017-14**			Prepared 05/07/07	Analyzed 05/08/07					
Sulfate	135	5.00	mg/kg		148			9 19	20	
Chloride	39 5	5 00	"		47.9			19 2	20	
Matrix Spike (EE70713-MS1)	**Source: 7E04014-01**			Prepared. 05/07/07	Analyzed. 05/08/07					
Chloride	102	5 00	mg/kg	100	7 35	94 6	80-120			
Sulfate	114	5 00	"	100	30 0	84 0	80-120			
Matrix Spike (EE70713-MS2)	**Source: 7D30017-14**			Prepared: 05/07/07	Analyzed. 05/08/07					
Chloride	161	5 00	mg/kg	100	47 9	113	80-120			
Sulfate	253	5 00	"	100	148	105	80-120			

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-10	LCS/LCSD were analyzed in place of MS/MSD
J	Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 5/8/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Plus, Inc.

Chain of Custody For

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chevron USA
Facility Name	Brunson Argo TB #5
Location	UL-D, Sec. 10, T 22 S, R 37 E
Project Reference	200130
EPI Sampler Name	George Blackburn

Bill To

Attn: David P. Duncan
PO Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH		
7D300917																								
1	SB-1 (2')	X	1			X					X		26-Apr-07	12:35	X	X	X	X						
2	SB-1 (5')	X	1			X					X		26-Apr-07	12:41	X	X	X	X						
3	SB-1 (10')	X	1			X					X		26-Apr-07	13:01	X	X	X	X						
4	SB-1 (15')	X	1			X					X		26-Apr-07	14:15	X	X	X	X						
5	SB-1 (20')	X	1			X					X		26-Apr-07	15:44	X	X	X	X						
6	SB-2 (2')	X	1			X					X		26-Apr-07	15:50	X	X	X	X						
7	SB-2 (5')	X	1			X					X		26-Apr-07	16:00	X	X	X	X						
8	SB-2 (10')	X	1			X					X		26-Apr-07	16:15	X	X	X	X						
9	SB-2 (15')	X	1			X					X		26-Apr-07	17:05	X	X	X	X						
10	SB-2 (20')	X	1			X					X		26-Apr-07	17:15	X	X	X	X						

Sampler Relinquished: [signature] 4/30/2007 Time 11:25 Received By: [signature]

Relinquished by: [signature] Date 4/30/07 Time 3:42 Received By: (lab staff) [signature] 4-30-07 3:42

Delivered by:

Sample Cool & Intact (Yes) No

Checked By:

E-mail results to: dduncan@envplus.net

REMARKS: 1.5 °C
w/ labels
4 oz glass

Environmental Plus, Inc.

Chain of Custody Fo

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

LAB: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chevron USA
Facility Name	Brunson Argo TB #5
Location	UL-D, Sec. 10, T 22 S, R 37 E
Project Reference	200130
EPI Sampler Name	George Blackburn

Bill To

Attn: David P. Duncan
PO Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH		
1	SB-3 (2')	X	1			X					X		27-Apr-07	7:15	X	X	X	X						
2	SB-3 (5')	X	1			X					X		27-Apr-07	7:30	X	X	X	X						
3	SB-3 (10')	X	1			X					X		27-Apr-07	8:00	X	X	X	X						
4	SB-3 (15')	X	1			X					X		27-Apr-07	10:10	X	X	X	X						
5	SB-4 (2')	X	1			X					X		27-Apr-07	10:35	X	X	X	X						
6	SB-4 (5')	X	1			X					X		27-Apr-07	10:41	X	X	X	X						
7	SB-4 (10')	X	1			X					X		27-Apr-07	11:30	X	X	X	X						
8																								
9																								
10																								

Sampler Relinquished: [signature] 4/30/2007 Time 9:25 Received By: [signature]

Relinquished by: [signature] Date 4/30/07 Time 3:42 Received By: (lab staff) [signature] 4-30-07 3:42

Delivered by:

Sample Cool & Intact: (Yes) No

Checked By:

E-mail results to: dduncan@envplus.net

REMARKS 1.5 °C
w/ labels
4 oz glass

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Environmental Plus

Date/ Time: 4-30-07 3:42

Lab ID # : 7D30017

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	1.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

ATTACHMENT III
SOIL BORING LOGS

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 200130

Project Name: Chevron - Brunson Argo Tank Battery #5

Location: UL-D, Section 10, Township 22 South, Range 37 East

Boring Number: SB5-1 | Surface Elevation: 3,405-feet amsl

Start Date: 4-26-07 Time: 1230 hrs

Completion Date: 4-26-07 Time: 1605 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1235	DC		little	.3	200		0	2' TOPSOIL, Red
1241	SP	6	no	160	320		5	5' SAND, Tan
1301	SP	6	no	65	200		10	10' SANDSTONE, Red very hard
1415	SP	3	no	34	200		15	15' SANDSTONE, Red
1544	SP	3	no	20	200		20	20' SANDSTONE, Gray End of Soil Boring at 21' bgs
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger

Backfill Method: Bentonite

Field Representative: GB

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 200130

Project Name: Chevron - Brunson Argo Tank Battery #5

Location: UL-D, Section 10, Township 22 South, Range 37 East

Boring Number: SB5-2 | Surface Elevation: 3,405-feet amsl

Start Date: 4-26-07 Time: 1550 hrs

Completion Date: 4-26-07 Time: 1940 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1550	DC		little	560	240		0	2' TOPSOIL, Red
1600	SP	6	little	14	200		5	5' TOPSOIL, Red
1615	SP	6	dry	34	200		10	10' SOIL, Gray
1705	SP	3	dry	20	200		15	15' SANDSTONE, White - very hard
1915	SP	3	dry	17	160		20	20' SANDSTONE, White
								End of Soil Boring at 21' bgs
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger

Backfill Method: Bentonite

Field Representative: GB

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 200130
Project Name: Chevron - Brunson Argo Tank Battery #5
Location: UL-D, Section 10, Township 22 South, Range 37 East
Boring Number: SB5-3 | Surface Elevation: 3,405-feet amsl

Start Date: 4-27-07 Time: 0700 hrs
Completion Date: 4-27-07 Time: 1020 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
0715	DC		little	504	240			2' TOPSOIL, Red
0730	SP		little	397	240		5	5' TOPSOIL, Gray
0800	SP		dry	13	160		10	10' CALICHE very hard
1010	SP		dry	10	160		15	15' SANDSTONE, White End of Soil Boring at 16' bgs
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-	

Drilling Method: Auger
Backfill Method: Bentonite
Field Representative: GB

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 200130

Project Name: Chevron - Brunson Argo Tank Battery #5

Location: UL-D, Section 10, Township 22 South, Range 37 East

Boring Number: SB5-4 | Surface Elevation: 3,405-feet amsl

Start Date: 4-27-07 Time: 1025 hrs

Completion Date: 4-27-07 Time: 1145 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1035	DC		little	.9	200		0	2' TOPSOIL, Red
1041	SP	6	dry	.8	200		5	5' CALICHE
1130	SP	6	dry	.9	200		10	10' CALICHE
								End of Soil Boring at 11' bgs
							15	
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger

Backfill Method: Bentonite

Field Representative: GB

ATTACHMENT IV
INFORMATION AND METRICS FORM
INITIAL NMOCD FORM C-141

Information and Metrics	**Incident Date:** Historical	**NMOCD Notified:** Historical

Site: Brunson Argo Tank Battery #5	**Assigned Site Reference :** EPI Reference #200130
Company: Chevron North America – Exploration and Production Company	
Street Address: 2401 Avenue O	
Mailing Address: P.O. Box 1949	
City, State, Zip: Eunice, New Mexico 88231	
Representative: Bill A. Anderson	
Representative Telephone: (505) 394-1237 (office)	
Telephone: (505) 441-5438 (cellular)	
Fluid volume released (bbls): Historical	**Recovered (bbls):** Historical
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Brunson Argo Tank Battery #5	
Source of contamination: Historical spills from decommissioned Tank Battery	
Land Owner, i.e., BLM, ST, Fee, Other: Priscilla Brunson Moody (c/o Charles James Moody)	
LSP Dimensions: ~ 170 feet by 50 feet	
LSP Area: ~8,900 ft^2	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: N 32° 24' 33.64"	
Longitude: W 103° 09' 18.70"	
Elevation above mean sea level: 3,405feet	
Feet from South Section Line:	
Feet from East Section Line:	
Location- Unit or ¼¼: NW¼ of the NW¼	**Unit Letter:** D
Location- Section: 10	
Location- Township: 22 South	
Location- Range: 37 East	
Surface water body within 1000 ' radius of site: none	
Domestic water wells within 1000' radius of site: one (1) (USGS #5)	
Agricultural water wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to groundwater (DG): ~ 66 feet	
Depth of contamination (DC): unknown	
Depth to groundwater (DG – DC = DtGW): unknown	

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-1000 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Site Ranking (1+2+3) = 10+20+0=30		

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19	10-19	0-9
Benzene[1]	10 ppm	10 ppm	10 ppm
BTEX[1]	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis