3R - 417

REPORTS

DATE:
2008

Enterprise Products

RECEIVED
2008 OCT 3 PM 1 47

P.O. Box 4324 Houston, Texas 77210-4324 713.880.6500
2727 North Loop West Houston, Texas 77008-1044 www.epplp.com

September 30, 2008

Return Receipt Requested
7008 0150 0003 5621 2329

Mr. Wayne Price
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Enterprise Products Operating LP
CPS-1989 Cathodic Protection Well Investigation
OCD Case #3R0417

Dear Mr. Price:

Enterprise Field Services, LLC (Enterprise) is currently evaluating the occurrence of low pH water at our cathodic protection well CPS-1989. This correspondence is provided to address the New Mexico Oil Conservation Division (OCD) email request dated May 22, 2008 requesting a response to address potentially affected groundwater at this location.

Following our conversation on June 5, 2008, Enterprise attempted to pump this well to determine if the low pH water was localized to the well casing, or potentially migrating to the well from another source. Initial attempts to pump the well were unsuccessful and an additional pump was obtained to enhance recovery. Enterprise requested that the OCD allow additional time to complete this work, and to perform a receptor survey of the area. The extension request was approved by the OCD on September 4, 2008. The receptor survey has been completed and no nearby potential receptors were identified. This survey is provided as Attachment A. The attempts to recover water at different depth levels within the well were limited by a casing obstruction at approximately 115 feet below land surface. Therefore, no conclusions could be drawn with regard to depth intervals that might be producing low pH water. These findings are documented in the report prepared by EnviroTech, Inc. as Attachment B.

Enterprise has also reviewed the well construction report for CPS-1989, which was installed during 1989. It appears that the original well surface casing was producing water at the time of installation, and this flow ceased following installation of a bentonite seal. This well construction report has been provided as an attachment.

To date, approximately 2,500 gallons of water has been recovered from CPS-1989. The recovered water is being neutralized onsite prior to proper offsite disposal as a non-exempt waste. These actions have been coordinated with Mr. Brad Jones of your department.

The low pH water recovered from CPS-1989 significantly exceeds the potential water volume within the well boring based on conservative assumptions of the borehole diameter and porosity of the coke anode backfill. The pH of produced water has also not changed appreciably over time as water was removed from the well. Based on the receptor survey, there are 37 reported oil and gas wells within a one-mile radius that might be sources if well treatment operations were conducted in an upgradient direction. These factors indicate that another source of the low pH water may be present. It is also possible that the well is producing water due to an inadequate or failing surface seal.

Enterprise does not believe that the low pH water has resulted from operation of cathodic protection well CPS-1989, and respectfully requests that the NM OCD grant their concurrence to properly plug and abandon this well. This will be performed by over boring the original borehole and removal of all well materials if possible. This should be done as soon as possible to prevent the potential for migration of the low pH water between water-bearing zones.

Please do not hesitate to contact me at (713) 803-2286 if you have any questions.

Sincerely,

David R. Smith, P.G.
Sr. Environmental Scientist

cc: w/ Attachment
Dave Cobrain, NMED/Santa Fe, NM
Brandon Powell, NMOCD/Aztec, NM
Don Fernald, Enterprise/Farmington, NM
Greg Hale, Enterprise/Farmington, NM
Benny Armenta, Enterprise/Farmington
Greg Crabtree, Envirotech PM

Attachment A

CATHODIC PROTECTION CONSTRUCTION IN SERVICE REPORT

START DATE 9-27-04
COMPLETION DATE 10-20-04
IN SERVICE DATE 1/16/05

CPS #	LOCATION	PIPELINE or PLANT NAME	MP or Legal Location	Work Order #
1989	TK F & LAT 2898	Chaco	13-28-10	093620

TYPE & SIZE of BIT	TOTAL DRILLING TIME	TYPE & AMOUNT of MUD	LOST CIRC. MAT'L	DRILLED LOGGED
7 7/8	24 hrs			500 ft. / 485 ft.

Initial In Service Data	1st LINE	2 nd LINE	KWH #
5.2 Volts / 28.3 Amps / 0.18 Ohms	1410 P/S / 9.4 Amps / Line # TK-F	1230 P/S / 18.9 Amps / Line # 28-28	—
3 rd LINE P/S Amps Line #	4 th LINE P/S Amps Line #	5 th LINE P/S Amps Line #	KWH read —

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	480	470	460	450	440	430	420	410	400	390
Anode Output	.47	.23	.25	.47	.27	.21	.50	.93	.66	.66

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth	380	370	360	350	340	330	320	310	300	290
Anode Output	.85	.53	.36	.54	1.35	.57	1.0	.51	.95	1.01

	#21	#22	#23	#24	#25	#26	#27	#28	#29	#30
Anode Depth	280	270	260	250	240	230	220	210	200	190
Anode Output	1.26	1.01	1.77	1.58	1.17	.90	.90	1.0	.66	.63

POWER UNIT DATA
Manufacturer J.A. Electronix | Model # CSA-IIS | Serial # 2040639 | NEW y/n Y

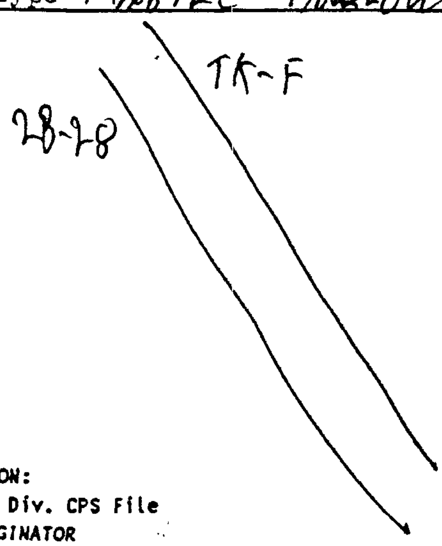
CAPACITY		AC	AC	PHASE	AC SET FOR	AC LINE INPUT		POWER VENDOR
50 V DC	50 A DC	120/220 V	7 A	1	220 V	240 V	— A	City Farm

Vent Pipe	Perforated	Type	Ft. #8 CP	Ft. #2 CP	Type Cable	SPLICE KITS #	Type	CASING OD	Length
500 ft.	340 ft.	1" PVC	10,050	80'	HALAR	—	—	8"	100'

REMARKS
Driller said some water at 250 feet.
Install 100' of 8" PVC Casing & Cemented with 28 sacks of Zia Portland I II. Water standing in casing 30' down next morning.
Water at 1 gal a min flowing out of casing next morning got it 10 50# sacks of Hole Plug Bentonite 3/8 at 65'

Anode Type AnoTEC Hollow | Anode Size 2" X 60"

DRAWING



DISTRIBUTION:
ORIGINAL - Div. CPS File
COPY - ORIGINATOR
COPY - PROJECT MANAGER

All Construction Completed
Billy Hendricks
Signature

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator El Paso Field Services Location: Unit ___ Sec. 13 Twp 28 Rng 10

Name of Well/Wells or Pipeline Serviced Trunk F & Lat. 2B-28 CPS 1989

Elevation 5388 Completion Date 10-1-04 Total Depth 500 Land Type* S

Casing, Sizes, Types & Depths 8" PVC 100'

If Casing is cemented, show amounts & types used 27 - 90# Sacks of Zia Portland Type I II

If Cement or Bentonite Plugs have been placed, show depths & amounts used 10-50# each placed at ~~500~~ 465' to 45' / Top 45' Cemented with 2 90# Zia Portland

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc Very Light water at 140' & some water at 250'

Depths gas encountered: NA

Type & amount of coke breeze used: 7800# of Asbury 2181

Depths anodes placed: 480' to 190'

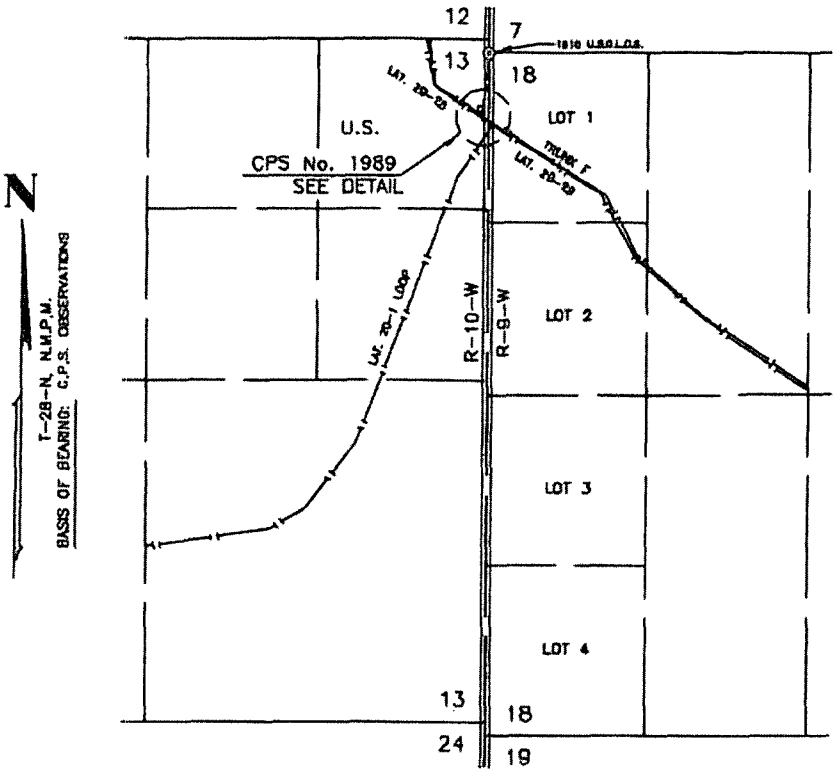
Depths vent pipes placed: 500'

Vent pipe perforations: 340'

Remarks: Bentonite plug stopped water flow & cement plug placed on top ~~of~~ up to top of casing. NO water flowing after 48 hr.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
Federal or Indian, add Lease Number.

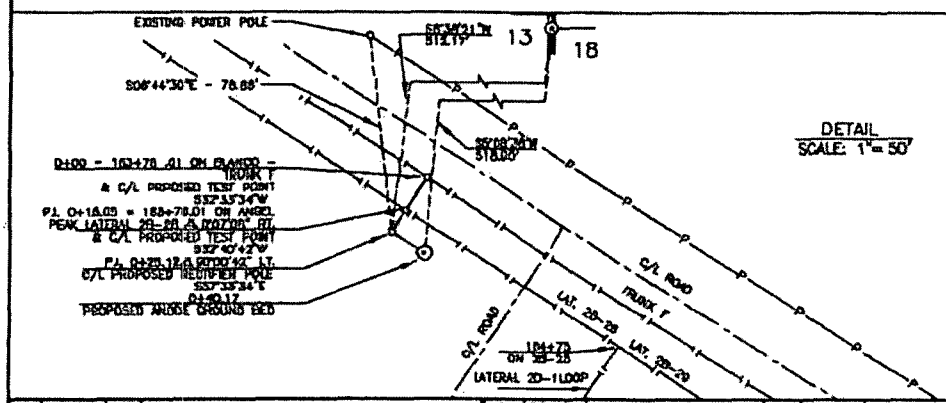


PLAN

SCALE: 1"=1000'

OWNERSHIP

SUBDIVISION	OWNER	LESSEE	RODS	ACRE
PORTIONS OF SEC. 13	UNITED STATES	MARY HELENE SULLIVAN	2.435	



DETAIL

SCALE: 1"= 50'

NO.	DATE	BY	EXPLANATION

REVISIONS

NO.	DATE	TO	NO.	DATE	TO
7	5/28/04	GJ DISTRIBUTION			

PRINT RECORD

C.P.S. SPECS.	EXISTING	NEW
NUMBER OF ANODES		30
SIZE OF ANODES		2" X 60"
DISP. OF ANODES		VERTICLE
SOURCE OF POWER		PURCHASED
DEPTH OF ANODES		500'
DEPTH OF CABLE		18" MIN

RECTIFIER ON GULFTERRA PROP. POLE 10' SW OF PIPE

REF. DWGS. 101732.0-1, 288732.0-1, F731.0-1

CAD NO. 0000731.10-X-0654

GulfTerra Field Services LLC

CATHODIC PROTECTION STATION NO. 1989

ON BLANCO - TRUNK F & LATERAL 28-28

SECTION 13, T-28-N, R-10-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

R/W NO. R/W	SURV.DATE: 5/07/04	DWG. NO.
SCALE: SHOWN	DATE: 05/27/04	731.10-X-654
DRAWN BY: GV	CHECKED BY:	W.O. NO. 093620

FM140 (Rev. 3/91)

Attachment B

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

2008 ENTERPRISE ACID COLLECTION AND SAMPLING

SITE:

ENTERPRISE
CPS 1989
COUNTY ROAD 4960
SAN JUAN COUNTY, NEW MEXICO

FOR:

MR. DAVID R. SMITH, P.G.
EPCO, INC.
P.O. BOX 4324
HOUSTON, TX 77210
(713)-803-2286

PROJECT NO. 97057-0222
SEPTEMBER 2008

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 30, 2008 Project No. 97057-0222

Mr. David R. Smith
EPCO, Inc.
P.O. Box 4324
Houston, TX 77210

Phone: (713) 803-2286
Email: drsmith@epco.com

RE: 2008 ENTERPRISE ACID COLLECTION AND SAMPLING
CPS 1989, COUNTY ROAD 4960, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Smith,

Enclosed please find the *2008 Enterprise Acid Collection and Sampling Report* detailing activities conducted at the CPS 1989 on County Road 4960 in San Juan County, New Mexico.

We appreciate the opportunity to be of service. If you should have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Sincerely,
ENVIROTECH, INC.

Greg Crabtree, EIT
Environmental Engineer
gcrabtree@envirotech-inc.com

Enclosure: Report

Cc: Mr. Wayne Price, NMOCD

2008 Enterprise Acid Collection and Sam pling

Site Name:

Enterprise
CPS 1989
County Road 4960
San Juan County, New Mexico

Submitted To:

Mr. Wayne Price
Bureau Chief
Environmental Department
NMOCD
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3440

Submitted For:

Mr. David R. Smith, P.G.
EPCO, Inc. EHS&T Technical Services
P.O. Box 4324
Houston, Texas 77210.4324
(713) 803-2286

Submitted By:

Envirotech, Inc.
5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Project No. 97057-0222

September 2008

2008 ENTERPRISE ACID COLLECTION AND SAM PLING
ENTERPRISE
CPS 1989
COUNTY ROAD 4960
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech, Inc. was contacted by Mr. Don Fernald of Enterprise on March, 8 2008, for the collection of a deep red liquid, which was leaking from a PVC pipe on a cathodic well Enterprise operates along County Road 4960 in San Juan County, New Mexico. The liquid was first noticed on the afternoon of March, 7 2008. A sample was collected and analyzed for preliminary parameters. The liquid was found to be extremely acidic, with a pH at around 2.

SITE ACTIVITIES

Envirotech personnel visited the site on March 8, 2008, and installed a system of two 55 gallon poly drums connected together for collection of the acid. The collection system was connected to the one inch PVC pipe from which the liquid was leaking with a 1-1/4 inch PVC flex hose. This hose channels the acid from the one inch PVC pipe to the collection system Envirotech has built and placed at this site.

Envirotech personnel returned to the site on March 10, 2008, to check the amount of liquid collected and install a new drum. Approximately 75 gallons of the acid had collected over the weekend, and a new drum was temporarily installed to collect the acid overnight. All drums were secured before leaving.

Envirotech personnel returned to the site on March 11, 2008, to pump the acid out of the collection system and into two 55 gallon poly drums for more permanent storage of the acid. This was accomplished by using a disposable hand pump to transfer the acid from the collection system into the 55 gallon poly drums, where it would be stored. The total number of full drums at this time was two. All drums were secured and labelled as hazardous material.

Envirotech personnel returned to the site on March 14, 2008, to again transfer acid from the collection system into a 55 gallon poly drum. This transfer was again done using a disposable hand pump. Envirotech personnel were also instructed to create a secondary containment area per Mr. Don Fernald's request. Envirotech created two secondary containment areas. Containment Area #1 was created for the collection system, and was built by lining a large, steel trough with poly lining and placing the collection system inside. Photographs of Containment Area #1 can be seen in the ***Site Photography*** section and can be seen in ***Figure 2, Site Map***. Containment Area #2 was made by digging a bermed area and lining it with poly lining. The height of the berm is roughly 4 inches, and this containment area will be used to stage the full drums. This containment area can also be seen in the ***Site Photography*** section and in ***Figure 2, Site Map.*** Envirotech also collected several samples of the acid and submitted them to our laboratory. Samples were collected for VOC's (USEPA Method 8260), SVOC (USEPA Method 8270), PAH 8310, WQCC Heavy Metals, and General Chemistry. The results of these analyzes are presented in ***Section 1, Analytical Results***. The total number of full drums at this time was

three. All drums were secured and labelled as hazardous material due to the acid having a pH of 1.92. The acid was found to be extremely high in sulphide also, which has led Envirotech personnel to believe that the acid is a sulphuric acid of unknown source. The acid was also found to have a small amount of Carbon-Tetrachloride, a synthetic chemical often used as a dry cleaning solvent and sometimes in pesticides. The origin of this chemical is also unknown. The area was sampled again on June 3, 2008, and found that the low levels of Carbon Tetrachloride were no longer present; however the pH was still very low at 2.29.

From the week of March 17 to approximately September 12, 2008, Envirotech returned to the site once or twice per week as needed to pump the liquid collected into additional drums. On July 16, 2008, Envirotech was onsite to install an 1800 gallon poly tank to store the acid in due to the large number of barrels now onsite. The contents of approximately 35 drums were transferred to the tank. Soda Ash was added to neutralize the acid and pH samples were collected to verify the acid was neutralized. Once the acid is neutralized it will be disposed of at Key Energies water disposal on Crouch Mesa.

Acid collection continued as needed and the contents were pumped in to the poly tank. At this time the poly tank became full and a second 2100 gallon poly tank was added at the site on August 22, 2008. Starting on September 12 a hydro-lift pump and foot valve were used to pump the water out of the well. The valve and tubing were inserted into the well to approximately 115 feet where an obstruction was encountered. Upon further investigation, Envirotech found gravel in the casing at this depth. A sample was collected from every 25 feet while inserting the tubing. The pH results are summarized in ***Table 1, Field Analytical Results***. Pumping of the liquids was conducted, and pH samples were collected, on September 15-17, 2008. On September 17 an air compressor was used to try and dislodge the gravel that was blocking the well. Some gravel was removed; however the attempt was unsuccessful in completely unblocking the pipe. An increase in flow out of the well was noted in the several days and weeks following the attempt to unblock the pipe. The amount of fluids produced increased from approximately 100 gallons in seven days to 100 gallons in approximately four days.

A data base search was completed by Environmental Data Resources. An offsite receptor survey and GeoCheck search was completed for the cathodic protection well CPS 1989; see ***Section 3, EDR GeoCheck Report*** and ***Section 4, EDR Offsite Receptor Report***. The receptor survey included searches of Census Tracts, Federal Lands, and other sensitive environments such as Hospitals and Daycares. Federal Land was reported within 0-1/8 mile of the cathodic well. The search also reported an estimated population of 17 people living within a 1-mile radius of the well.

The GeoCheck report searched for Federal, Municipal, and Private water wells within a one mile radius as well as all oil and gas wells within that same radius. According to the data base search there are no registered water wells within a one mile radius of the well site. Envirotech

confirmed this with a search of the iWaters database on the NM State Engineers website. The nearest down gradient water well is approximately 1.5 miles to the north-northwest. Printouts from the NM State Engineers website are attached in ***Appendix, Water Well Information***. Printouts include all sections in the Township 28N, Range 10W. The cathodic well CPS 1989 is located in Section 13, Township 29N and Range 10W. No water well records were found in this entire Township and Range. Printouts of the surrounding townships and ranges are also included.

The GeoCheck search also identified 37 oil and gas wells located within a one mile radius of CPS 1989. The soils in the area are listed as Badland by the USDA. It is classified as weathered bedrock with very slow infiltration rates. The surface elevation is approximately 5695 feet.

CONCLUSIONS/RECOMMENDATIONS

Envirotech recommends plugging and abandoning the well using methods recommended by Halliburton and agreed upon by Enterprise, Envirotech, and the NMOCD.

Submitted by:
ENVIROTECH, INC.

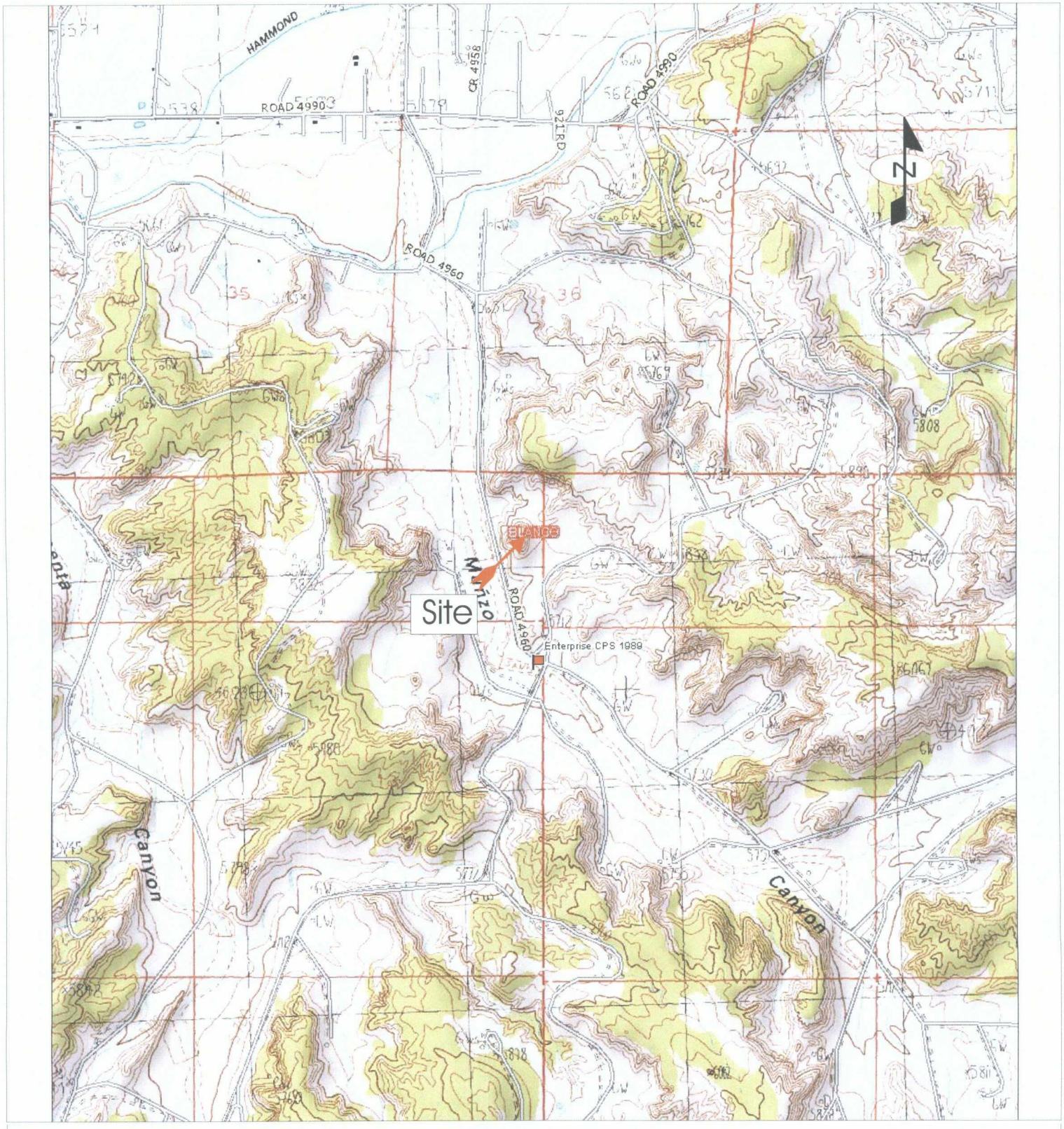
Greg Crabtree, EIT
Project Engineer
gcrabtree@envirotech-inc.com

Reviewed by:

Kyle P. Kerr
Senior Environmental Scientist/Manager
NMCES #299
kpkerr@envirotech-inc.com

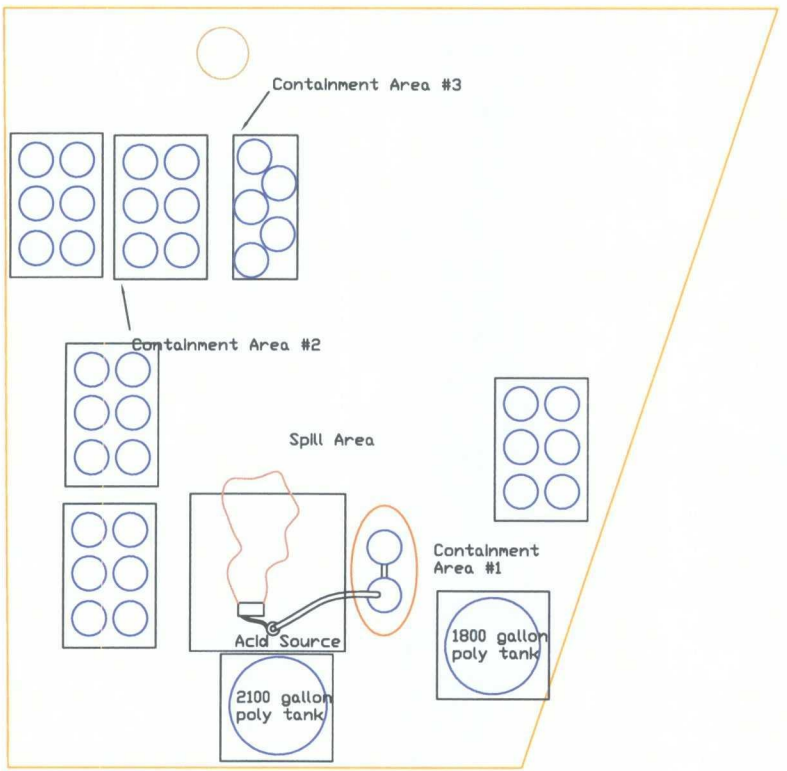
KYLE P. KERR, C.E.S. NEW MEXICO 299 CERTIFIED SCIENTIST

Figures



Source: Blanco, 7.5 Minute U.S.G.S. Topographic NM Quadrangle Map

Enterprise Products CPS 1989 County Road 4960 San Juan County, New Mexico	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615	Vicinity Map Figure 1
PROJECT # 97057-0222 Date Drawn: 9/26/08		DRAWN BY: Greg Crabtree PROJECT MANAGER: Kyle Kerr



SITE MAP
ENTERPRISE PRODUCTS
CPS 1989
SAN JUAN COUNTY, CR 4960

SCALE: NTS	FIGURE NO. 2	REV 1
PROJECT NO97057-0222		

REVISIONS

NO.	DATE	BY	DESCRIPTION
	9/26	GWC	update map

MAP DRWN	JPM	3/18/08	BASE DRWN		

Legend

55 Gallon Poly Drum

Orange Fencing

ENVIRONMENTAL SCIENTISTS & ENGINEERS
ENVIROTECH
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

Tables

Table 1, Field Analytical Results

Table 1: Field Analytical Results			
Date	**Time**	**Depth BGS (ft)**	**pH**
12-Sep-08	13:00	25	2.94
	13:17	50	2.99
	14:05	75	2.77
	14:30	75	2.69
	15:00	50	2.7
	15:30	75	2.71
	16:00	75	2.93
	16:30	75	2.94
15-Sep-08	9:30	surface	3.11
	10:15	75	3.4
	10:45	75	3.12
	11:15	75	2.81
	11:45	75	2.75
	12:00	75	2.84
	12:30	100	2.85
	13:30	100	2.81
	14:00	75	2.72
	14:30	75	2.76
	15:00	75	2.78
	15:30	75	2.81
	16:00	75	2.77
16-Sep-08	8:15	surface	2.81
	9:30	25	2.94
	10:00	50	2.7
	10:30	75	2.63
	11:00	100	2.6
	11:30	100	2.66
	12:00	100	2.8
	12:30	110	2.98
	13:00	25	2.99
	13:30	50	3.01
	14:00	75	2.81
	14:30	100	2.84
	15:00	110	3.06
17-Sep-08	9:00	surface	2.83
	9:30	25	2.93
	11:00	110	2.84
	11:30	100	3.04
	12:00	75	2.73
	12:30	100	2.72
	13:00	100	2.91
	13:30	100	2.83
	14:00	100	3.11
	14:30	100	2.42
	15:00	100	2.33
	15:30	100	2.36
	16:00	100	2.48
25-Sep-08	13:35	surface	2.62

Section 1

Laboratory Analytical Results

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS

Client:	Enterprise	Project #:	97057-0222
Sample ID:	Enterprise Acid	Date Reported:	03-19-08
Chain of Custody:	4031	Date Sampled:	03-14-08
Laboratory Number:	44529	Date Received:	03-14-08
Sample Matrix:	Water	Date Analyzed:	03-18-08
Preservative:	HCL	Analysis Requested:	8260 VOC
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	12.5	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS

Client: Enterprise
Sample ID: Enterprise Acid
Laboratory Number: 44529

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	3.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	104	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	96.4	% Recovery	74.6-123	1
Toluene-d8	99.4	% Recovery	84.2-115	1
4-Bromofluorobenzene	115	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **Enterprise Acid Spill CR 4960.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-19-08
Laboratory Number:	03-18 VOA	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-18-08
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank

Laboratory Number: 03-18 VOA

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	1.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	87.4	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	89.5	% Recovery	74.6-123	1
Toluene-d8	91.8	% Recovery	84.2-115	1
4-Bromofluorobenzene	106	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **QA/QC for Samples 44524 - 44525, 44529 and 44564.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Daily Calibration Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Daily Calibration	Date Reported:	03-19-08
Laboratory Number:	03-18 QA/QC	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-18-08
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
Benzene	100	105	105	80 - 120
Toluene	100	106	106	80 - 120
Ethylbenzene	100	103	103	80 - 120
Xylenes, Total	100	106	106	80 - 120
Methyl tert-butyl ether (MTBE)	100	97.4	97.4	80 - 120
1,2,4-Trimethylbenzene	100	107	107	80 - 120
1,3,5-Trimethylbenzene	100	115	115	80 - 120
1,2-Dichloroethane (EDC)	100	106	106	80 - 120
1,2-Dibromoethane (EDB)	100	102	102	80 - 120
Naphthalene	100	99.3	99.3	80 - 120
1-Methylnaphthalene	100	87.2	87.2	80 - 120
2-Methylnaphthalene	100	100	100	80 - 120
Bromobenzene	100	103	103	80 - 120
Bromochloromethane	100	102	102	80 - 120
Bromodichloromethane	100	116	116	80 - 120
Bromoform	100	105	105	80 - 120
Bromomethane	100	94.9	94.9	80 - 120
Carbon Tetrachloride	100	92.5	92.5	80 - 120
Chlorobenzene	100	104	104	80 - 120
Chloroethane	100	97.6	97.6	80 - 120
Chloroform	100	107	107	80 - 120
Chloromethane	100	100	100	80 - 120
2-Chlorotoluene	100	103	103	80 - 120
4-Chlorotoluene	100	103	103	80 - 120
cis-1,2-Dichloroethene	100	106	106	80 - 120
cis-1,3-Dichloropropene	100	113	113	80 - 120
1,2-Dibromo-3-chloropropane	100	109	109	80 - 120
Dibromochloromethane	100	105	105	80 - 120
Dibromoethane	100	102	102	80 - 120
1,2-Dichlorobenzene	100	108	108	80 - 120
1,3-Dichlorobenzene	100	103	103	80 - 120
1,4-Dichlorobenzene	100	103	103	80 - 120
Dichlorodifluoromethane	100	94.3	94.3	80 - 120
1,1-Dichloroethane	100	102	102	80 - 120
1,1-Dichloroethene	100	91.1	91.1	80 - 120
1,2-Dichloropropane	100	87.6	87.6	80 - 120
1,3-Dichloropropane	100	102	102	80 - 120
2,2-Dichloropropane	100	107	107	80 - 120

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Daily Calibration
Laboratory Number: 03-18 QA/QC

Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
1,1-Dichloropropene	100	105	105	80 - 120
Hexachlorobutadiene	100	94.5	94.5	80 - 120
Isopropylbenzene	100	106	106	80 - 120
4-Isopropyltoluene	100	105	105	80 - 120
Methylene Chloride	100	92.1	92.1	80 - 120
n-Butylbenzene	100	105	105	80 - 120
n-Propylbenzene	100	104	104	80 - 120
sec-Butylbenzene	100	106	106	80 - 120
Styrene	100	108	108	80 - 120
tert-Butylbenzene	100	104	104	80 - 120
Tetrachloroethene (PCE)	100	105	105	80 - 120
1,1,1,2-Tetrachloroethane	100	104	104	80 - 120
1,1,2,2-Tetrachloroethane	100	104	104	80 - 120
trans-1,2-Dichloroethene	100	100	100	80 - 120
trans-1,3-Dichloropropene	100	102	102	80 - 120
Trichloroethene (TCE)	100	108	108	80 - 120
Trichlorofluoromethane	100	87.4	87.4	80 - 120
1,2,3-Trichlorobenzene	100	106	106	80 - 120
1,2,4-Trichlorobenzene	100	95.1	95.1	80 - 120
1,1,1-Trichloroethane	100	103	103	80 - 120
1,1,2-Trichloroethane	100	97.5	97.5	80 - 120
1,2,3-Trichloropropane	100	109	109	80 - 120
Vinyl Chloride	100	109	109	80 - 120

Surrogates:			Rec. Limits
Dibromofluoromethane	109	% Recovery	78.6-115
1,2-Dichloroethane-d4	97.0	% Recovery	74.6-123
Toluene-d8	103	% Recovery	84.2-115
4-Bromofluorobenzene	102	% Recovery	78.6-115

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **QA/QC for Samples 44524 - 44525, 44529 and 44564.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spikes	Date Reported:	03-19-08
Laboratory Number:	03-18-VOA - 44524	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-18-08
Condition:	N/A	Analysis Requested:	8260 VOC

Spike		Units: uG/L			%Recovery	Det.
Analyte	Sample	Added	Result	%Recovery	Limits	Limit
Benzene	ND	100.0	104	104%	85.3 - 120	1.0
Toluene	ND	100.0	114	114%	73 - 123	1.0
Chlorobenzene	ND	100.0	103	103%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	90.7	90.7%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	102	102%	76.1 - 126	1.0

Spike Duplicate		Units: uG/L			%Recovery	Det.
Analyte	Sample	Added	Result	%Recovery	Limits	Limit
Benzene	ND	100.0	96.5	96.5%	85.3 - 120	1.0
Toluene	ND	100.0	92.4	92.4%	73 - 123	1.0
Chlorobenzene	ND	100.0	92.6	92.6%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	90.7	90.7%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	90.0	90.0%	76.1 - 126	1.0

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **QA/QC for Samples 44524 - 44525, 44529 and 44564.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Enterprise	Project #:	97057-0222
Sample ID:	Enterprise Acid	Date Reported:	03-18-08
Laboratory Number:	44529	Date Sampled:	03-14-08
Chain of Custody:	4031	Date Received:	03-14-08
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-14-08
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	**1.92**	s.u.		
Conductivity @ 25° C	**25,800**	umhos/cm		
Total Dissolved Solids @ 180C	**13,900**	mg/L		
Total Dissolved Solids (Calc)	**13,675**	mg/L		
SAR	**70.4**	ratio		
Total Alkalinity as CaCO3	**<0.1**	mg/L		
Total Hardness as CaCO3	**680**	mg/L		
Bicarbonate as HCO3	**<0.1**	mg/L	0.00	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**8.5**	mg/L	0.14	meq/L
Nitrite Nitrogen	**16.5**	mg/L	0.36	meq/L
Chloride	**418**	mg/L	11.79	meq/L
Fluoride	**7.6**	mg/L	0.40	meq/L
Phosphate	**238**	mg/L	7.52	meq/L
Sulfate	**8,500**	mg/L	176.97	meq/L
Iron	**93.0**	mg/L	3.33	meq/L
Calcium	**244**	mg/L	12.18	meq/L
Magnesium	**17.1**	mg/L	1.41	meq/L
Potassium	**4.3**	mg/L	0.11	meq/L
Sodium	**4,220**	mg/L	183.57	meq/L
Cations			197.26	meq/L
Anions			197.18	meq/L
Cation/Anion Difference			**0.04%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Enterprise Acid Spill CR 4960.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Enterprise	Project #:	97057-0222
Sample ID:	Enterprise Acid	Date Reported:	03-20-08
Laboratory Number:	44529	Date Sampled:	03-14-08
Chain of Custody:	4031	Date Received:	03-14-08
Sample Matrix:	Liquid	Date Analyzed:	03-20-08
Preservative:	Cool	Date Digested:	03-18-08
Condition:	Intact	Analysis Needed:	Total RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	TCLP Regulatory Level (mg/L)
Arsenic	**0.006**	**0.001**	**5.0**
Barium	**0.075**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**0.103**	**0.001**	**5.0**
Lead	**0.028**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.008**	**0.001**	**1.0**
Silver	**0.002**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Enterprise Acid Spill CR 4960.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-20-TM QA/QC	Date Reported:	03-20-08
Laboratory Number:	44529	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-20-08
Condition:	Cool & Intact	Date Digested:	03-18-08

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	**ND**	**ND**	**0.001**	**0.006**	**0.006**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.075**	**0.079**	**5.3%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.103**	**0.103**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**0.028**	**0.028**	**0.0%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**0.008**	**0.008**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**0.002**	**0.002**	**0.0%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.250**	**0.006**	**0.291**	**114%**	**80% - 120%**
Barium	**0.500**	**0.075**	**0.6**	**101%**	**80% - 120%**
Cadmium	**0.250**	**ND**	**0.269**	**108%**	**80% - 120%**
Chromium	**0.500**	**0.103**	**0.60**	**100%**	**80% - 120%**
Lead	**0.500**	**0.028**	**0.53**	**99.9%**	**80% - 120%**
Mercury	**0.100**	**ND**	**0.099**	**99.0%**	**80% - 120%**
Selenium	**0.100**	**0.008**	**0.107**	**99.1%**	**80% - 120%**
Silver	**0.100**	**0.002**	**0.109**	**107%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 44529 and 44582.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, March 26, 2008

Christine Walters
Envirotech
5796 US Highway 64
Farmington, NM 87401

TEL: (505) 632-0615
FAX (505) 632-1865

RE: Enterprise Acid Spill CR 4960

Order No.: 0803161

Dear Christine Walters:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/18/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Mar-08*

CLIENT:	Envirotech	**Client Sample ID:**	44529 Enterprise Acid
Lab Order:	0803161	**Collection Date:**	3/14/2008 11:45:00 AM
Project:	Enterprise Acid Spill CR 4960	**Date Received:**	3/18/2008
Lab ID:	0803161-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8310: PAHS						Analyst: DMF
Naphthalene	ND	2.0		µg/L	1	3/21/2008 10:17:26 AM
1-Methylnaphthalene	ND	2.0		µg/L	1	3/21/2008 10:17:26 AM
2-Methylnaphthalene	ND	2.0		µg/L	1	3/21/2008 10:17:26 AM
Acenaphthylene	ND	2.5		µg/L	1	3/21/2008 10:17:26 AM
Acenaphthene	ND	5.0		µg/L	1	3/21/2008 10:17:26 AM
Fluorene	ND	0.80		µg/L	1	3/21/2008 10:17:26 AM
Phenanthrene	ND	0.60		µg/L	1	3/21/2008 10:17:26 AM
Anthracene	ND	0.60		µg/L	1	3/21/2008 10:17:26 AM
Fluoranthene	ND	0.30		µg/L	1	3/21/2008 10:17:26 AM
Pyrene	ND	0.30		µg/L	1	3/21/2008 10:17:26 AM
Benz(a)anthracene	ND	0.070		µg/L	1	3/21/2008 10:17:26 AM
Chrysene	ND	0.20		µg/L	1	3/21/2008 10:17:26 AM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	3/21/2008 10:17:26 AM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	3/21/2008 10:17:26 AM
Benzo(a)pyrene	ND	0.070		µg/L	1	3/21/2008 10:17:26 AM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	3/21/2008 10:17:26 AM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	3/21/2008 10:17:26 AM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	3/21/2008 10:17:26 AM
Surr: Benzo(e)pyrene	76.8	59.9-133		%REC	1	3/21/2008 10:17:26 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	200		µg/L	1	3/24/2008
Acenaphthylene	ND	200		µg/L	1	3/24/2008
Aniline	ND	200		µg/L	1	3/24/2008
Anthracene	ND	200		µg/L	1	3/24/2008
Azobenzene	ND	200		µg/L	1	3/24/2008
Benz(a)anthracene	ND	200		µg/L	1	3/24/2008
Benzo(a)pyrene	ND	200		µg/L	1	3/24/2008
Benzo(b)fluoranthene	ND	200		µg/L	1	3/24/2008
Benzo(g,h,i)perylene	ND	200		µg/L	1	3/24/2008
Benzo(k)fluoranthene	ND	200		µg/L	1	3/24/2008
Benzoic acid	ND	400		µg/L	1	3/24/2008
Benzyl alcohol	ND	200		µg/L	1	3/24/2008
Bis(2-chloroethoxy)methane	ND	200		µg/L	1	3/24/2008
Bis(2-chloroethyl)ether	ND	200		µg/L	1	3/24/2008
Bis(2-chloroisopropyl)ether	ND	200		µg/L	1	3/24/2008
Bis(2-ethylhexyl)phthalate	ND	200		µg/L	1	3/24/2008
4-Bromophenyl phenyl ether	ND	200		µg/L	1	3/24/2008
Butyl benzyl phthalate	ND	200		µg/L	1	3/24/2008
Carbazole	ND	200		µg/L	1	3/24/2008
4-Chloro-3-methylphenol	ND	200		µg/L	1	3/24/2008
4-Chloroaniline	ND	200		µg/L	1	3/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Mar-08*

CLIENT:	Envirotech	**Client Sample ID:**	44529 Enterprise Acid
Lab Order:	0803161	**Collection Date:**	3/14/2008 11:45:00 AM
Project:	Enterprise Acid Spill CR 4960	**Date Received:**	3/18/2008
Lab ID:	0803161-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Chloronaphthalene	ND	200		µg/L	1	3/24/2008
2-Chlorophenol	ND	200		µg/L	1	3/24/2008
4-Chlorophenyl phenyl ether	ND	200		µg/L	1	3/24/2008
Chrysene	ND	200		µg/L	1	3/24/2008
Di-n-butyl phthalate	ND	200		µg/L	1	3/24/2008
Di-n-octyl phthalate	ND	200		µg/L	1	3/24/2008
Dibenz(a,h)anthracene	ND	200		µg/L	1	3/24/2008
Dibenzofuran	ND	200		µg/L	1	3/24/2008
1,2-Dichlorobenzene	ND	200		µg/L	1	3/24/2008
1,3-Dichlorobenzene	ND	200		µg/L	1	3/24/2008
1,4-Dichlorobenzene	ND	200		µg/L	1	3/24/2008
3,3'-Dichlorobenzidine	ND	200		µg/L	1	3/24/2008
Diethyl phthalate	ND	200		µg/L	1	3/24/2008
Dimethyl phthalate	ND	200		µg/L	1	3/24/2008
2,4-Dichlorophenol	ND	200		µg/L	1	3/24/2008
2,4-Dimethylphenol	ND	200		µg/L	1	3/24/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	3/24/2008
2,4-Dinitrophenol	ND	400		µg/L	1	3/24/2008
2,4-Dinitrotoluene	ND	200		µg/L	1	3/24/2008
2,6-Dinitrotoluene	ND	200		µg/L	1	3/24/2008
Fluoranthene	ND	200		µg/L	1	3/24/2008
Fluorene	ND	200		µg/L	1	3/24/2008
Hexachlorobenzene	ND	200		µg/L	1	3/24/2008
Hexachlorobutadiene	ND	200		µg/L	1	3/24/2008
Hexachlorocyclopentadiene	ND	200		µg/L	1	3/24/2008
Hexachloroethane	ND	200		µg/L	1	3/24/2008
Indeno(1,2,3-cd)pyrene	ND	200		µg/L	1	3/24/2008
Isophorone	ND	200		µg/L	1	3/24/2008
2-Methylnaphthalene	ND	200		µg/L	1	3/24/2008
2-Methylphenol	ND	200		µg/L	1	3/24/2008
3+4-Methylphenol	ND	200		µg/L	1	3/24/2008
N-Nitrosodi-n-propylamine	ND	200		µg/L	1	3/24/2008
N-Nitrosodimethylamine	ND	200		µg/L	1	3/24/2008
N-Nitrosodiphenylamine	ND	200		µg/L	1	3/24/2008
Naphthalene	ND	200		µg/L	1	3/24/2008
2-Nitroaniline	ND	200		µg/L	1	3/24/2008
3-Nitroaniline	ND	200		µg/L	1	3/24/2008
4-Nitroaniline	ND	200		µg/L	1	3/24/2008
Nitrobenzene	ND	200		µg/L	1	3/24/2008
2-Nitrophenol	ND	200		µg/L	1	3/24/2008
4-Nitrophenol	ND	200		µg/L	1	3/24/2008
Pentachlorophenol	ND	400		µg/L	1	3/24/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- RL Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Mar-08*

CLIENT:	Envirotech	**Client Sample ID:**	44529 Enterprise Acid
Lab Order:	0803161	**Collection Date:**	3/14/2008 11:45:00 AM
Project:	Enterprise Acid Spill CR 4960	**Date Received:**	3/18/2008
Lab ID:	0803161-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Phenanthrene	ND	200		µg/L	1	3/24/2008
Phenol	ND	200		µg/L	1	3/24/2008
Pyrene	ND	200		µg/L	1	3/24/2008
Pyridine	ND	200		µg/L	1	3/24/2008
1,2,4-Trichlorobenzene	ND	200		µg/L	1	3/24/2008
2,4,5-Trichlorophenol	ND	200		µg/L	1	3/24/2008
2,4,6-Trichlorophenol	ND	200		µg/L	1	3/24/2008
Surr: 2,4,6-Tribromophenol	73.8	16.6-150		%REC	1	3/24/2008
Surr: 2-Fluorobiphenyl	76.9	19.6-134		%REC	1	3/24/2008
Surr: 2-Fluorophenol	60.5	9.54-113		%REC	1	3/24/2008
Surr: 4-Terphenyl-d14	58.3	22.7-145		%REC	1	3/24/2008
Surr: Nitrobenzene-d5	79.3	14.6-134		%REC	1	3/24/2008
Surr: Phenol-d5	52.2	10.7-80.3		%REC	1	3/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Enterprise Acid Spill CR 4960 **Work Order:** 0803161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-15418		*MBLK*			**Batch ID: 15418**		**Analysis Date:**		3/24/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
Carbazole	ND	µg/L	10						
4-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	10						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	10						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Enterprise Acid Spill CR 4960 **Work Order:** 0803161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-15418		*MBLK*			Batch ID:	15418	Analysis Date:		3/24/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-15418		*LCS*			Batch ID:	15418	Analysis Date:		3/24/2008
Acenaphthene	68.92	µg/L	10	68.9	11	123			
4-Chloro-3-methylphenol	144.2	µg/L	10	72.1	15.4	119			
2-Chlorophenol	138.3	µg/L	10	69.1	12.2	122			
1,4-Dichlorobenzene	54.92	µg/L	10	54.9	16.9	100			
2,4-Dinitrotoluene	75.02	µg/L	10	75.0	13	138			
N-Nitrosodi-n-propylamine	76.22	µg/L	10	76.2	9.93	122			
4-Nitrophenol	87.22	µg/L	10	43.6	12.5	87.4			
Pentachlorophenol	139.8	µg/L	20	66.1	3.55	114			
Phenol	79.62	µg/L	10	39.8	7.53	73.1			
Pyrene	60.44	µg/L	10	60.4	12.6	140			
1,2,4-Trichlorobenzene	61.56	µg/L	10	61.6	17.4	98.7			
Sample ID: lcsd-15418		*LCSD*			Batch ID:	15418	Analysis Date:		3/24/2008
Acenaphthene	65.86	µg/L	10	65.9	11	123	4.54	30.5	
4-Chloro-3-methylphenol	139.5	µg/L	10	69.8	15.4	119	3.26	28.6	
2-Chlorophenol	128.5	µg/L	10	64.2	12.2	122	7.33	107	
1,4-Dichlorobenzene	50.70	µg/L	10	50.7	16.9	100	7.99	62.1	
2,4-Dinitrotoluene	69.56	µg/L	10	69.6	13	138	7.55	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Enterprise Acid Spill CR 4960 **Work Order:** 0803161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-15418		*LCSD*			Batch ID:	15418	Analysis Date:		3/24/2008
N-Nitrosodi-n-propylamine	72.56	µg/L	10	72.6	9.93	122	4.92	30.3	
4-Nitrophenol	83.84	µg/L	10	41.9	12.5	87.4	3.95	36.3	
Pentachlorophenol	130.6	µg/L	20	61.5	3.55	114	6.81	49	
Phenol	75.02	µg/L	10	37.5	7.53	73.1	5.95	52.4	
Pyrene	56.08	µg/L	10	56.1	12.6	140	7.48	16.3	
1,2,4-Trichlorobenzene	57.74	µg/L	10	57.7	17.4	98.7	6.40	36.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Enterprise Acid Spill CR 4960 **Work Order:** 0803161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: MB-15414		*MBLK*			Batch ID: **15414**		Analysis Date:	3/21/2008 6:17:23 AM	
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	2.0						
2-Methylnaphthalene	ND	µg/L	2.0						
Acenaphthylene	ND	µg/L	2.5						
Acenaphthene	ND	µg/L	5.0						
Fluorene	ND	µg/L	0.80						
Phenanthrene	ND	µg/L	0.60						
Anthracene	ND	µg/L	0.60						
Fluoranthene	ND	µg/L	0.30						
Pyrene	ND	µg/L	0.30						
Benz(a)anthracene	ND	µg/L	0.070						
Chrysene	ND	µg/L	0.20						
Benzo(b)fluoranthene	ND	µg/L	0.10						
Benzo(k)fluoranthene	ND	µg/L	0.070						
Benzo(a)pyrene	ND	µg/L	0.070						
Dibenz(a,h)anthracene	ND	µg/L	0.070						
Benzo(g,h,i)perylene	ND	µg/L	0.080						
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080						
Sample ID: LCS-15414		*LCS*			Batch ID: **15414**		Analysis Date:	3/21/2008 7:05:23 AM	
Naphthalene	27.91	µg/L	2.0	69.8	37.3	91.2			
1-Methylnaphthalene	28.97	µg/L	2.0	72.2	36.7	91.2			
2-Methylnaphthalene	28.75	µg/L	2.0	71.9	35.8	91.6			
Acenaphthylene	27.80	µg/L	2.5	69.3	14.4	114			
Acenaphthene	30.40	µg/L	5.0	76.0	43.9	96.5			
Fluorene	3.250	µg/L	0.80	81.0	47.4	102			
Phenanthrene	1.510	µg/L	0.60	75.1	46.9	107			
Anthracene	1.570	µg/L	0.60	78.1	49.1	110			
Fluoranthene	2.970	µg/L	0.30	74.1	44.8	102			
Pyrene	3.210	µg/L	0.30	80.0	49.2	104			
Benz(a)anthracene	0.3200	µg/L	0.070	79.8	50.5	113			
Chrysene	1.560	µg/L	0.20	77.6	41.3	98.5			
Benzo(b)fluoranthene	0.3300	µg/L	0.10	65.9	52.7	106			
Benzo(k)fluoranthene	0.1700	µg/L	0.070	68.0	44.9	105			
Benzo(a)pyrene	0.1400	µg/L	0.070	55.8	52.8	115			
Dibenz(a,h)anthracene	0.3300	µg/L	0.070	65.9	50.5	108			
Benzo(g,h,i)perylene	0.3300	µg/L	0.080	66.0	55.4	108			
Indeno(1,2,3-cd)pyrene	0.6650	µg/L	0.080	66.4	15.1	117			
Sample ID: LCSD-15414		*LCSD*			Batch ID: **15414**		Analysis Date:	3/21/2008 7:53:23 AM	
Naphthalene	25.26	µg/L	2.0	63.2	37.3	91.2	9.97	32.1	
1-Methylnaphthalene	25.28	µg/L	2.0	63.0	36.7	91.2	13.6	32.7	
2-Methylnaphthalene	25.28	µg/L	2.0	63.2	35.8	91.6	12.8	34	
Acenaphthylene	23.68	µg/L	2.5	59.0	14.4	114	16.0	38.8	
Acenaphthene	25.47	µg/L	5.0	63.7	43.9	96.5	17.6	38.6	
Fluorene	2.710	µg/L	0.80	67.6	47.4	102	18.1	29.3	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Enterprise Acid Spill CR 4960 **Work Order:** 0803161

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: LCSD-15414		*LCSD*			Batch ID:	**15414**	Analysis Date:		3/21/2008 7:53:23 AM
Phenanthrene	1.240	µg/L	0.60	61.7	46.9	107	19.6	25	
Anthracene	1.280	µg/L	0.60	63.7	49.1	110	20.4	23.9	
Fluoranthene	2.510	µg/L	0.30	62.6	44.8	102	16.8	15.7	R
Pyrene	2.620	µg/L	0.30	65.3	49.2	104	20.2	15.3	R
Benz(a)anthracene	0.2600	µg/L	0.070	64.8	50.5	113	20.7	19	R
Chrysene	1.280	µg/L	0.20	63.7	41.3	98.5	19.7	16.6	R
Benzo(b)fluoranthene	0.2800	µg/L	0.10	55.9	52.7	106	16.4	21.7	
Benzo(k)fluoranthene	0.1400	µg/L	0.070	56.0	44.9	105	19.4	19.4	
Benzo(a)pyrene	0.1200	µg/L	0.070	47.8	52.8	115	15.4	16.7	S
Dibenz(a,h)anthracene	0.2800	µg/L	0.070	55.9	50.5	108	16.4	17.3	
Benzo(g,h,i)perylene	0.2800	µg/L	0.080	56.0	55.4	108	16.4	18	
Indeno(1,2,3-cd)pyrene	0.5620	µg/L	0.080	56.1	15.1	117	16.8	17.7	
Sample ID: LCSD-15414		*LCSD*			Batch ID:	**15414**	Analysis Date:		3/21/2008 7:07:00 PM
Naphthalene	29.29	µg/L	2.0	73.2	37.3	91.2	4.83	32.1	
1-Methylnaphthalene	30.28	µg/L	2.0	75.5	36.7	91.2	4.42	32.7	
2-Methylnaphthalene	29.58	µg/L	2.0	74.0	35.8	91.6	2.85	34	
Acenaphthylene	28.20	µg/L	2.5	70.3	14.4	114	1.40	38.8	
Acenaphthene	32.32	µg/L	5.0	80.8	43.9	96.5	6.12	38.6	
Fluorene	3.390	µg/L	0.80	84.5	47.4	102	4.22	29.3	
Phenanthrene	1.490	µg/L	0.60	74.1	46.9	107	1.33	25	
Anthracene	1.600	µg/L	0.60	79.6	49.1	110	1.89	23.9	
Fluoranthene	2.760	µg/L	0.30	68.8	44.8	102	7.33	15.7	
Pyrene	3.080	µg/L	0.30	76.8	49.2	104	4.13	15.3	
Benz(a)anthracene	0.3300	µg/L	0.070	82.3	50.5	113	3.08	19	
Chrysene	1.400	µg/L	0.20	69.7	41.3	98.5	10.8	16.6	
Benzo(b)fluoranthene	0.2700	µg/L	0.10	53.9	52.7	106	20.0	21.7	
Benzo(k)fluoranthene	0.1600	µg/L	0.070	64.0	44.9	105	6.06	19.4	
Benzo(a)pyrene	0.1300	µg/L	0.070	51.8	52.8	115	7.41	16.7	S
Dibenz(a,h)anthracene	0.3200	µg/L	0.070	63.9	50.5	108	3.08	17.3	
Benzo(g,h,i)perylene	0.3100	µg/L	0.080	62.0	55.4	108	6.25	18	
Indeno(1,2,3-cd)pyrene	0.7200	µg/L	0.080	71.9	15.1	117	7.94	17.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ENV T | Date Received: 3/18/2008

Work Order Number 0803161 | Received by: AT

Checklist completed by: Signature | Date 3/18/08 | Sample ID labels checked by Initials AT

Matrix | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted	☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: ENVIROTECH

Address: 5796 US HWY 64
FARMINGTON, NM 87401

Phone #: 505 632 0615

email or ~~Fax#~~: cwalters@envirotech-inc.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: ENTERPRISE ACID SPILL CR 4960

Project #: 97057-0222

Project Manager: CHRISTINE WALTERS

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 4°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0803161
3.14.08	1145a	44529 ENTERPRISE ACID	2-1L		-1

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
						✓				✓					

Date	Time	Relinquished by:	Received by:	
3.14.08	1100a			3/14/08 0835
Date:	Time:	Relinquished by:	Received by:	

Remarks:

REF PO# 9098

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

CHAIN OF CUSTODY RECORD

4031

Client:	Project Name / Location:
Enterprise	Enterprise Acid Spill CR 4960
Client Address:	Sampler Name: J McDaniel
Client Phone No.:	Client No.: 97057-0222

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HNO_3	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	8270	PAH 8310	WQCC Heavy Metals		Sample Cool	Sample Intact
Enterprise Acid	3/14/08	1145	44529	Liquid	1/1L			X			X		X					X	X	X		X	X
~~Enterprise Acid~~	~~3/14/08~~	1245		Liquid	1/1L														X			X	X
~~Enterprise Acid~~	~~3/14/08~~	1130		Liquid	1/250mL															X		X	X
~~Enterprise Acid~~	~~3/14/08~~	1115		Liquid	2/40mL			X			X											X	X
~~Enterprise Acid~~	~~3/14/08~~	1115		Liquid	1/500mL								X									X	X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Relinquished by: (Signature)~~	3/14/08	1325		3/14/08	1324
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS

Client:	Enterprise	Project #:	97057-0222
Sample ID:	Hose	Date Reported:	06-10-08
Chain of Custody:	4522	Date Sampled:	06-03-08
Laboratory Number:	45743	Date Received:	06-03-08
Sample Matrix:	Liquid	Date Analyzed:	06-05-08
Preservative:		Analysis Requested:	8260 VOC
Condition:	Intact		

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

EPA Method 8260B
Volatile Organic Compounds by GC/MS

Client: Enterprise
Sample ID: Hose

Laboratory Number: 45743

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	3.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	91.7	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	102	% Recovery	74.6-123	1
Toluene-d8	88.9	% Recovery	84.2-115	1
4-Bromofluorobenzene	84.9	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **Drums.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-10-08
Laboratory Number:	06-05 VOA	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-05-08
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank

Laboratory Number: 06-05 VOA

Parameter	Concentration (ug/L)	Units	Det. Limit	Dilution Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	1.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	102	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	99.2	% Recovery	74.6-123	1
Toluene-d8	115	% Recovery	84.2-115	1
4-Bromofluorobenzene	113	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **QA/QC for Samples 45643 - 45647 and 45743.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Daily Calibration Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Daily Calibration	Date Reported:	06-10-08
Laboratory Number:	06-06 QA/QC	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-05-08
Condition:	N/A	Analysis Requested:	8260 VOC

Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
Benzene	100	106	106	80 - 120
Toluene	100	100	100	80 - 120
Ethylbenzene	100	101	101	80 - 120
Xylenes, Total	100	105	105	80 - 120
Methyl tert-butyl ether (MTBE)	100	97.5	97.5	80 - 120
1,2,4-Trimethylbenzene	100	101	101	80 - 120
1,3,5-Trimethylbenzene	100	110	110	80 - 120
1,2-Dichloroethane (EDC)	100	1096	1096	80 - 120
1,2-Dibromoethane (EDB)	100	115	115	80 - 120
Naphthalene	100	98.5	98.5	80 - 120
1-Methylnaphthalene	100	88.5	88.5	80 - 120
2-Methylnaphthalene	100	99.3	99.3	80 - 120
Bromobenzene	100	101	101	80 - 120
Bromochloromethane	100	105	105	80 - 120
Bromodichloromethane	100	118	118	80 - 120
Bromoform	100	101	101	80 - 120
Bromomethane	100	95.6	95.6	80 - 120
Carbon Tetrachloride	100	103	103	80 - 120
Chlorobenzene	100	101	101	80 - 120
Chloroethane	100	97.6	97.6	80 - 120
Chloroform	100	102	102	80 - 120
Chloromethane	100	96.4	96.4	80 - 120
2-Chlorotoluene	100	101	101	80 - 120
4-Chlorotoluene	100	118	118	80 - 120
cis-1,2-Dichloroethene	100	114	114	80 - 120
cis-1,3-Dichloropropene	100	110	110	80 - 120
1,2-Dibromo-3-chloropropane	100	95.6	95.6	80 - 120
Dibromochloromethane	100	104	104	80 - 120
Dibromoethane	100	110	110	80 - 120
1,2-Dichlorobenzene	100	98.4	98.4	80 - 120
1,3-Dichlorobenzene	100	110	110	80 - 120
1,4-Dichlorobenzene	100	109	109	80 - 120
Dichlorodifluoromethane	100	118	118	80 - 120
1,1-Dichloroethane	100	101	101	80 - 120
1,1-Dichloroethene	100	95.6	95.6	80 - 120
1,2-Dichloropropane	100	98.4	98.4	80 - 120
1,3-Dichloropropane	100	102	102	80 - 120
2,2-Dichloropropane	100	110	110	80 - 120

ENVIROTECH LABS
PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8260B
Volatile Organic Compounds by GC/MS
Quality Assurance Report

Client: QA/QC
Sample ID: Daily Calibration
Laboratory Number: 06-06 QA/QC

Parameter	Concentration (ug/L)	Result	% Recovered	% Recovery Limits
1,1-Dichloropropene	100	107	107	80 - 120
Hexachlorobutadiene	100	87.9	87.9	80 - 120
Isopropylbenzene	100	110	110	80 - 120
4-Isopropyltoluene	100	101	101	80 - 120
Methylene Chloride	100	108	108	80 - 120
n-Butylbenzene	100	109	109	80 - 120
n-Propylbenzene	100	101	101	80 - 120
sec-Butylbenzene	100	100	100	80 - 120
Styrene	100	107	107	80 - 120
tert-Butylbenzene	100	101	101	80 - 120
Tetrachloroethene (PCE)	100	89.9	89.9	80 - 120
1,1,1,2-Tetrachloroethane	100	103	103	80 - 120
1,1,2,2-Tetrachloroethane	100	116	116	80 - 120
trans-1,2-Dichloroethene	100	94.5	94.5	80 - 120
trans-1,3-Dichloropropene	100	110	110	80 - 120
Trichloroethene (TCE)	100	108	108	80 - 120
Trichlorofluoromethane	100	97.8	97.8	80 - 120
1,2,3-Trichlorobenzene	100	99.4	99.4	80 - 120
1,2,4-Trichlorobenzene	100	97.4	97.4	80 - 120
1,1,1-Trichloroethane	100	110	110	80 - 120
1,1,2-Trichloroethane	100	99.4	99.4	80 - 120
1,2,3-Trichloropropane	100	101	101	80 - 120
Vinyl Chloride	100	99.5	99.5	80 - 120

Surrogates:			Rec. Limits
Dibromofluoromethane	98.9	% Recovery	78.6-115
1,2-Dichloroethane-d4	101	% Recovery	74.6-123
Toluene-d8	103	% Recovery	84.2-115
4-Bromofluorobenzene	103	% Recovery	78.6-115

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8260,Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry,Test Methods for Evaluating Solid Waste,SW-846, USEPA, July 1992

Comments: **QA/QC for Samples 45643 - 45647 and 45743.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

pH analysis

Client:	Enterprise	Project #:	97057-0222
Sample ID:	Hose	Date Reported:	06-10-08
Laboratory Number:	45743	Date Sampled:	06-03-08
Chain of Custody:	4522	Date Received:	06-03-08
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:		Date Analyzed:	06-09-08
Condition:	Intact		

Parameter	Analytical Result	Units
pH	**2.29**	su

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: **Drums.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

4522

Client:	Project Name / Location:
Enterprise	[redacted] Drums
Client Address:	Sampler Name: R Kibler
Client Phone No.:	Client No.: 97057-0222

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HNO_3	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	[redacted]	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	pH				Sample Cool	Sample Intact
Hose	6-3-08		45743	liquid	2					X							X					✓

ANALYSIS / PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Rob Kibler	6-3-08	11:33	Kendall Angstin	6/3/08	1133
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Enterprise	Project #:	97057-0222
Sample ID:	Drums	Date Reported:	06-12-08
Laboratory Number:	45798	Date Sampled:	06-06-08
Chain of Custody:	4545	Date Received:	06-06-08
Sample Matrix:	Liquid	Date Analyzed:	06-09-08
Preservative:	Cool	Date Digested:	06-09-08
Condition:	Intact	Analysis Needed:	Total RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	TCLP Regulatory Level (mg/L)
Arsenic	**ND**	**0.001**	**5.0**
Barium	**0.099**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**0.003**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.185**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Drums.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-09-TM QA/QC	Date Reported:	06-12-08
Laboratory Number:	45798	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	06-09-08
Condition:	Intact	Date Digested:	06-09-08

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.099**	**0.099**	**0.0%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.003**	**0.003**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**0.185**	**0.186**	**0.8%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.250**	**ND**	**0.252**	**101%**	**80% - 120%**
Barium	**0.500**	**0.099**	**0.58**	**97.3%**	**80% - 120%**
Cadmium	**0.250**	**ND**	**0.258**	**103%**	**80% - 120%**
Chromium	**0.500**	**0.003**	**0.504**	**100.2%**	**80% - 120%**
Lead	**0.500**	**ND**	**0.501**	**100.2%**	**80% - 120%**
Mercury	**0.100**	**ND**	**0.091**	**91.0%**	**80% - 120%**
Selenium	**0.100**	**0.185**	**0.290**	**102%**	**80% - 120%**
Silver	**0.100**	**ND**	**0.098**	**97.6%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 45798.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

4545

Client:	Project Name / Location:
Enterprise	Drums
Client Address:	Sampler Name: R Kibler
Client Phone No.:	Client No.: 97057-0222

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HNO_3	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)					Sample Cool	Sample Intact
Drums	6-6-08		45798	liquid							X										✓	✓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Rob Kibler	6-6-08	15:41	Kendall Augustine	6/6/08	1541
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615

Section 2

Site Photography

Enterprise
Acid Collection and Sampling
CPS 1989
Project No. 97057-0222

Photo 1: Installation of acid collection system

Photo2: Damage to Cathodic Well system

Enterprise
Acid Collection and Sampling
CPS 1989
Project No. 97057-0222

Photo 3: Overview of collection drums

Photo 4: Interconnected collection drums

Enterprise
Acid Collection and Sampling
CPS 1989
Project No. 97057-0222

Photo 5: Full Poly drums inside lined secondary containment

Section 3

EDR GeoCheck Report

CPS 1989
CR 4960
Bloomfield, NM 87412

Inquiry Number: 2328289.2s
September 26, 2008

The EDR GeoCheck® Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION **PAGE**

GEOCHECK ADDENDUM

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

CPS 1989
CR 4960
BLOOMFIELD, NM 87412

TARGET PROPERTY COORDINATES

Latitude (North):	36.66758 - 36° 40' 3.3"
Longitude (West):	107.83867 - 107° 50' 19.2"
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	246294.9
UTM Y (Meters):	4061549.5
Elevation:	5695 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36107-F7 BLANCO, NM
Most Recent Revision:	1985

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

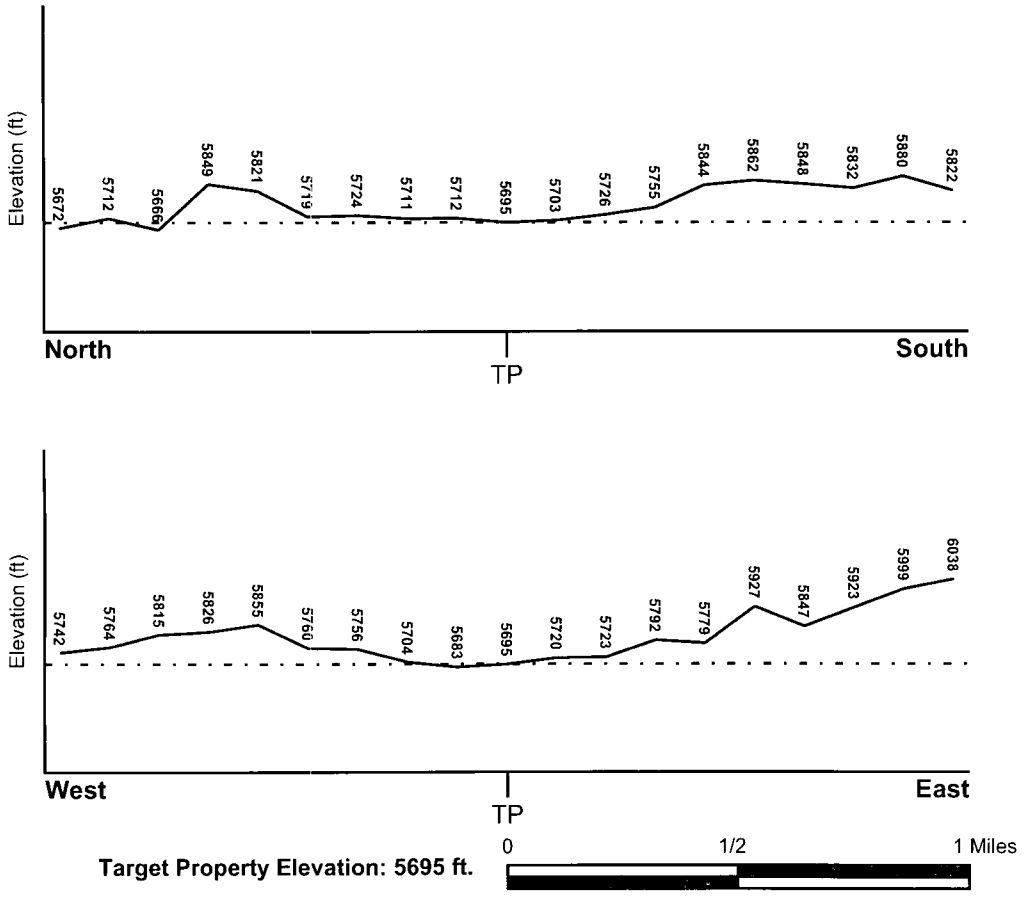
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN JUAN, NM	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BLOOMFIELD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Paleocene
Code:	Txc *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	BADLAND
Soil Surface Texture:	weathered bedrock
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Bedrock Max:	> 3 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	60 inches	weathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
clay loam
fine sandy loam
loam
unweathered bedrock
sandy loam
gravelly - loam
loamy fine sand
loamy sand
silty clay loam

Surficial Soil Types:
clay loam
fine sandy loam
loam
unweathered bedrock
sandy loam
gravelly - loam
loamy fine sand
loamy sand
silty clay loam

Shallow Soil Types:
No Other Soil Types

Deeper Soil Types:
unweathered bedrock
clay loam
fine sandy loam
very gravelly - sand
loamy sand
loamy coarse sand
silty clay
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	1.000
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

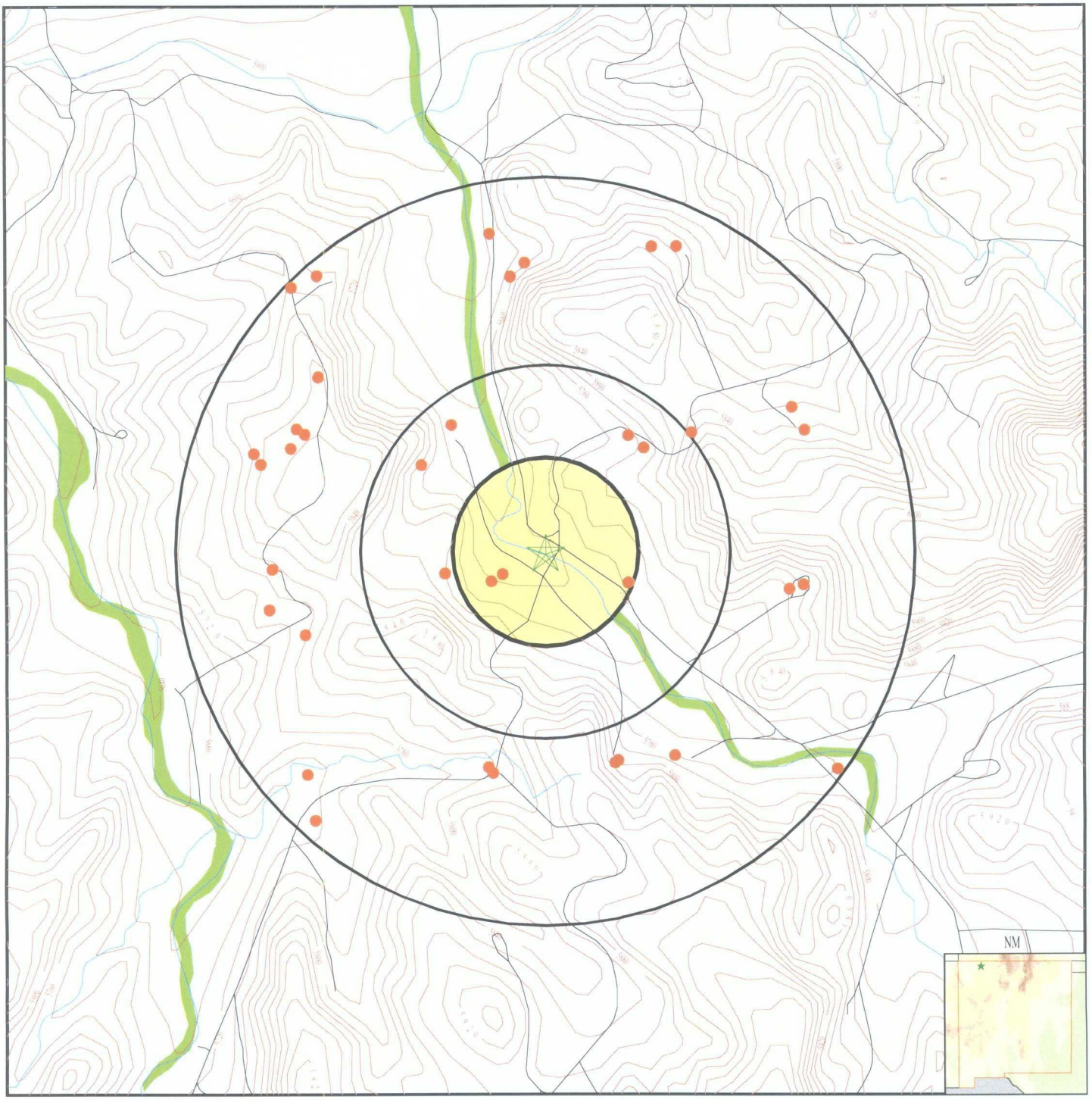
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1/2 - 1 Mile North	1/2 - 1 Mile NNE
1/2 - 1 Mile NNE	1/2 - 1 Mile North
1/2 - 1 Mile NW	1/2 - 1 Mile North
1/2 - 1 Mile NW	1/2 - 1 Mile NW
1/2 - 1 Mile ENE	1/4 - 1/2 Mile NW
1/2 - 1 Mile WNW	1/2 - 1 Mile ENE
1/2 - 1 Mile NE	1/2 - 1 Mile WNW
1/4 - 1/2 Mile NE	1/4 - 1/2 Mile NE
1/2 - 1 Mile WNW	1/2 - 1 Mile WNW
1/2 - 1 Mile WNW	1/4 - 1/2 Mile NW
1/2 - 1 Mile West	1/4 - 1/2 Mile WSW
1/8 - 1/4 Mile WSW	1/8 - 1/4 Mile WSW
1/8 - 1/4 Mile ESE	1/2 - 1 Mile East
1/2 - 1 Mile East	1/2 - 1 Mile WSW
1/2 - 1 Mile WSW	1/2 - 1 Mile SSE
1/2 - 1 Mile SSE	1/2 - 1 Mile SSE
1/2 - 1 Mile SSW	1/2 - 1 Mile SE
1/2 - 1 Mile SSW	1/2 - 1 Mile SW
1/2 - 1 Mile SW	

PHYSICAL SETTING SOURCE MAP - 2328289.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells
- National Wetland Inventory

SITE NAME: CPS 1989	CLIENT: Envirotech, Inc.
ADDRESS: CR 4960	CONTACT: Greg Crabtree
Bloomfield NM 87412	INQUIRY #: 2328289.2s
LAT/LONG: 36.6676 / 107.8387	DATE: September 26, 2008 3:25 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1/2 - 1 Mile | **OIL_GAS** | **NMOG20000078730**

Api:	3004527620	Well name:	FC STATE COM 017
Compl stat:	Active		
Ocd ul:	K	Section:	36
Township:	29.0N	Range:	10W
Sdiv ul:	K	Ftg ns:	1580
Ns cd:	S	Ftg ew:	1335
Ew cd:	W	Ogrid cde:	217817
Operator:	CONOCOPHILLIPS COMPANY		
Property:	31530		
Land type:	S	Well type:	G
Spud date:	04/28/1990 00:00:00	Plug date:	05/06/1994 00:00:00
Elevgl:	5629	Tvd depth:	2050
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	45835
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	365
Gas prod 3:	37799	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	362	Gas prod 4:	38017
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	364
County:	San Juan		
Latitude:	36.6798978663		
Longitude:	-107.841374684		
Nbr compls:	1		
Acres:	320		
Site id:	NMOG20000078730		

NNE
1/2 - 1 Mile | **OIL_GAS** | **NMOG20000078700**

Api:	3004523743	Well name:	STATE COM AF 028E
Compl stat:	Active		
Ocd ul:	I	Section:	36
Township:	29.0N	Range:	10W
Sdiv ul:	I	Ftg ns:	1460
Ns cd:	S	Ftg ew:	1100
Ew cd:	E	Ogrid cde:	217817
Operator:	CONOCOPHILLIPS COMPANY		
Property:	31623		
Land type:	S	Well type:	G
Spud date:	06/13/1980 00:00:00	Plug date:	09/15/2003 00:00:00
Elevgl:	5744	Tvd depth:	6640
Producing :	72319	One produc:	BLANCO-MESAVERDE (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	63998
Oil prod 2:	1721	Water prod:	0
Water inj :	0	Days prod :	362
Gas prod 3:	10674	Oil prod 3:	337
Water pr 1:	0	Water inj1:	0
Days prod1:	137	Gas prod 4:	13101
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	330

County:	San Juan
Latitude:	36.6794049129
Longitude:	-107.832266874
Nbr compls:	2
Acres:	640
Site id:	NMOG20000078700

NNE
1/2 - 1 Mile **OIL_GAS** **NMOG20000078698**

Api:	3004507650	Well name:	STATE COM X 020
Compl stat:	Active		
Ocd ul:	J	Section:	36
Township:	29.0N	Range:	10W
Sdiv ul:	J	Ftg ns:	1450
Ns cd:	S	Ftg ew:	1450
Ew cd:	E	Ogrid cde:	217817
Operator:	CONOCOPHILLIPS COMPANY		
Property:	31649		
Land type:	S	Well type:	G
Spud date:	08/17/1955 00:00:00	Plug date:	02/19/1993 00:00:00
Elevgl:	5761	Tvd depth:	2082
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	44192
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	350
Gas prod 3:	37917	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	16172
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	244
County:	San Juan		
Latitude:	36.6793966576		
Longitude:	-107.833466848		
Nbr compls:	2		
Acres:	480		
Site id:	NMOG20000078698		

North
1/2 - 1 Mile **OIL_GAS** **NMOG20000078683**

Api:	3004512000	Well name:	STATE COM AG 029
Compl stat:	Active		
Ocd ul:	N	Section:	36
Township:	29.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	1190
Ns cd:	S	Ftg ew:	1850
Ew cd:	W	Ogrid cde:	217817
Operator:	CONOCOPHILLIPS COMPANY		
Property:	31624		
Land type:	S	Well type:	G
Spud date:	05/07/1994 00:00:00	Plug date:	02/03/1967 00:00:00

Elevgl:	5642	Tvd depth:	6533
Producing :	71599	One produc:	BASIN DAKOTA (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	37428
Oil prod 2:	856	Water prod:	1170
Water inj :	0	Days prod :	326
Gas prod 3:	45093	Oil prod 3:	985
Water pr 1:	1410	Water inj1:	0
Days prod1:	355	Gas prod 4:	55541
Oil prod 4:	1063	Water pr 2:	24
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6787843335		
Longitude:	-107.839658006		
Nbr compls:	2		
Acres:	640		
Site id:	NMOG20000078683		

NW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078641**

Api:	3004513361	Well name:	ZACHRY 003
Compl stat:	Active		
Ocd ul:	P	Section:	35
Township:	29.0N	Range:	10W
Sdiv ul:	P	Ftg ns:	990
Ns cd:	S	Ftg ew:	1090
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	03/30/1955 00:00:00	Plug date:	06/17/1985 00:00:00
Elevgl:	5791	Tvd depth:	2194
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	44888
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	334
Gas prod 3:	54104	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	50272
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6782885256		
Longitude:	-107.849759048		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000078641		

North
1/2 - 1 Mile **OIL_GAS** **NMOG20000078638**

Api:	3004507627	Well name:	STATE COM Y 021
Compl stat:	Plugged		
Ocd ul:	N	Section:	36
Township:	29.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	990
Ns cd:	S	Ftg ew:	1650
Ew cd:	W	Ogrid cde:	5073
Operator:	CONOCO INC		
Property:	3285		
Land type:	S	Well type:	G
Spud date:	09/05/1955 00:00:00	Plug date:	10/20/1995 00:00:00
Elevgl:	5637	Tvd depth:	1940
Producing :	0	One produc:	Not Reported
Last prod :	1995-10	Gas prod 2:	0
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	0
Gas prod 3:	0	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	0	Gas prod 4:	0
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	0
County:	San Juan		
Latitude:	36.6782521701		
Longitude:	-107.840367044		
Nbr compls:	1		
Acres:	40		
Site id:	NMOG20000078638		

NW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078598**

Api:	3004526158	Well name:	ZACHRY 043
Compl stat:	Active		
Ocd ul:	O	Section:	35
Township:	29.0N	Range:	10W
Sdiv ul:	O	Ftg ns:	840
Ns cd:	S	Ftg ew:	1450
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	12/21/1984 00:00:00	Plug date:	04/29/1996 00:00:00
Elevgl:	5788	Tvd depth:	4785
Producing :	72319	One produc:	BLANCO-MESAVERDE (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	19633
Oil prod 2:	408	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	18664	Oil prod 3:	551
Water pr 1:	4	Water inj1:	0
Days prod1:	365	Gas prod 4:	28004
Oil prod 4:	93	Water pr 2:	4
Water in 1:	0	Days pro 1:	365

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

County:	San Juan
Latitude:	36.6778402731
Longitude:	-107.851012933
Nbr compls:	1
Acres:	320
Site id:	NMOG20000078598

NW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078524**

Api:	3004525464	Well name:	ZACHRY 038
Compl stat:	Active		
Ocd ul:	K	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	3	Ftg ns:	1800
Ns cd:	S	Ftg ew:	1845
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	11/03/1982 00:00:00	Plug date:	03/14/1997 00:00:00
Elevgl:	5664	Tvd depth:	6160
Producing :	2290	One produc:	ARMENTA-GALLUP (O)
Last prod :	2007-08	Gas prod 2:	18687
Oil prod 2:	185	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	20083	Oil prod 3:	190
Water pr 1:	9	Water inj1:	0
Days prod1:	365	Gas prod 4:	21675
Oil prod 4:	273	Water pr 2:	18
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.674381804		
Longitude:	-107.849705828		
Nbr compls:	1		
Acres:	0		
Site id:	NMOG20000078524		

ENE
1/2 - 1 Mile **OIL_GAS** **NMOG20000078484**

Api:	3004523136	Well name:	REID 022R
Compl stat:	Active		
Ocd ul:	J	Section:	7
Township:	28.0N	Range:	09W
Sdiv ul:	2	Ftg ns:	1480
Ns cd:	S	Ftg ew:	1630
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	08/04/1978 00:00:00	Plug date:	01/12/1999 00:00:00

Elevgl:	5813	Tvd depth:	6607
Producing :	71599	One produc:	BASIN DAKOTA (PRORATED GAS)
Last prod :	2007-03	Gas prod 2:	5975
Oil prod 2:	58	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	1735	Oil prod 3:	37
Water pr 1:	3	Water inj1:	0
Days prod1:	365	Gas prod 4:	4925
Oil prod 4:	32	Water pr 2:	4
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6732020098		
Longitude:	-107.826664601		
Nbr compls:	1		
Acres:	345.25		
Site id:	NMOG20000078484		

NW
1/4 - 1/2 Mile **OIL_GAS** **NMOG20000078420**

Api:	3004524357	Well name:	ZACHRY 019E
Compl stat:	Active		
Ocd ul:	O	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	O	Ftg ns:	1120
Ns cd:	S	Ftg ew:	1520
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	12/09/1980 00:00:00	Plug date:	04/01/2005 00:00:00
Elevgl:	5664	Tvd depth:	6560
Producing :	82329	One produc:	OTERO CHACRA (GAS)
Last prod :	2007-08	Gas prod 2:	22534
Oil prod 2:	0	Water prod:	62
Water inj :	0	Days prod :	365
Gas prod 3:	4618	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	75	Gas prod 4:	15028
Oil prod 4:	9	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6725190882		
Longitude:	-107.843236234		
Nbr compls:	2		
Acres:	480		
Site id:	NMOG20000078420		

WNW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078399**

Api:	3004524529	Well name:	ZACHRY 026
Compl stat:	Active		
Ocd ul:	N	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	1065
Ns cd:	S	Ftg ew:	1535
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	11/19/1980 00:00:00	Plug date:	10/25/1996 00:00:00
Elevgl:	5842	Tvd depth:	3250
Producing :	82329	One produc:	OTERO CHACRA (GAS)
Last prod :	2007-08	Gas prod 2:	11818
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	12616	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	12972
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6723621332		
Longitude:	-107.850767755		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000078399		

ENE
1/2 - 1 Mile **OIL_GAS** **NMOG20000078394**

Api:	3004507570	Well name:	REID 014
Compl stat:	Active		
Ocd ul:	O	Section:	7
Township:	28.0N	Range:	09W
Sdiv ul:	O	Ftg ns:	1155
Ns cd:	S	Ftg ew:	1450
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	10/26/1959 00:00:00	Plug date:	02/07/1972 00:00:00
Elevgl:	5830	Tvd depth:	2180
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	15724
Oil prod 2:	0	Water prod:	2232
Water inj :	0	Days prod :	365
Gas prod 3:	18385	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	15529
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

County:	San Juan
Latitude:	36.67231126
Longitude:	-107.826045732
Nbr compls:	2
Acres:	420.64
Site id:	NMOG20000078394

NE
1/2 - 1 Mile **OIL_GAS** **NMOG20000078385**

Api:	3004507573	Well name:	REID 022
Compl stat:	Active		
Ocd ul:	N	Section:	7
Township:	28.0N	Range:	09W
Sdiv ul:	N	Ftg ns:	1130
Ns cd:	S	Ftg ew:	1890
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	05/27/1961 00:00:00	Plug date:	07/19/2001 00:00:00
Elevgl:	5833	Tvd depth:	6762
Producing :	72319	One produc:	BLANCO-MESAVERDE (PRORATED GAS)
Last prod :	2007-07	Gas prod 2:	17739
Oil prod 2:	201	Water prod:	39
Water inj :	0	Days prod :	365
Gas prod 3:	24853	Oil prod 3:	142
Water pr 1:	2	Water inj1:	0
Days prod1:	365	Gas prod 4:	22078
Oil prod 4:	182	Water pr 2:	25
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6722269993		
Longitude:	-107.83153491		
Nbr compls:	1		
Acres:	260.64		
Site id:	NMOG20000078385		

WNW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078378**

Api:	3004507566	Well name:	ZACHRY 001
Compl stat:	Active		
Ocd ul:	N	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	990
Ns cd:	S	Ftg ew:	1650
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	02/24/1955 00:00:00	Plug date:	02/10/1970 00:00:00

Elevgl:	5853	Tvd depth:	2150
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	37571
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	13409	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	9701
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6721564367		
Longitude:	-107.850373991		
Nbr compls:	2		
Acres:	472.93		
Site id:	NMOG20000078378		

NE
1/4 - 1/2 Mile **OIL_GAS** **NMOG20000078375**

Api:	3004513240	Well name:	REID 003
Compl stat:	Active		
Ocd ul:	M	Section:	7
Township:	28.0N	Range:	09W
Sdiv ul:	5	Ftg ns:	1090
Ns cd:	S	Ftg ew:	990
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	04/15/1955 00:00:00	Plug date:	01/27/2005 00:00:00
Elevgl:	5734	Tvd depth:	2050
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	21946
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	25958	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	352	Gas prod 4:	31688
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6721109141		
Longitude:	-107.834617084		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000078375		

NE
1/4 - 1/2 Mile **OIL_GAS** **NMOG20000078316**

Api:	3004525683	Well name:	REID 026
Compl stat:	Active		
Ocd ul:	N	Section:	7
Township:	28.0N	Range:	09W
Sdiv ul:	N	Ftg ns:	915
Ns cd:	S	Ftg ew:	1210
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	05/12/1983 00:00:00	Plug date:	07/01/1988 00:00:00
Elevgl:	5740	Tvd depth:	3230
Producing :	82329	One produc:	OTERO CHACRA (GAS)
Last prod :	2007-08	Gas prod 2:	13274
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	13605	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	14051
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6716317412		
Longitude:	-107.833863949		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000078316		

WNW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078313**

Api:	3004507555	Well name:	ZACHRY 019
Compl stat:	Active		
Ocd ul:	N	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	790
Ns cd:	S	Ftg ew:	1450
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	11/22/1961 00:00:00	Plug date:	03/13/1987 00:00:00
Elevgl:	5847	Tvd depth:	6708
Producing :	71599	One produc:	BASIN DAKOTA (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	20246
Oil prod 2:	160	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	26088	Oil prod 3:	135
Water pr 1:	14	Water inj1:	0
Days prod1:	365	Gas prod 4:	10830
Oil prod 4:	71	Water pr 2:	2
Water in 1:	0	Days pro 1:	365

County:	San Juan
Latitude:	36.6716065569
Longitude:	-107.851059068
Nbr compls:	1
Acres:	320
Site id:	NMOG20000078313

WNW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078297**

Api:	3004525596	Well name:	ZACHRY 054
Compl stat:	Active		
Ocd ul:	M	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	M	Ftg ns:	715
Ns cd:	S	Ftg ew:	925
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	O
Spud date:	04/11/1983 00:00:00	Plug date:	04/27/2005 00:00:00
Elevgl:	5812	Tvd depth:	6175
Producing :	72319	One produc:	BLANCO-MESAVERDE (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	3845
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	2643	Oil prod 3:	4
Water pr 1:	0	Water inj1:	0
Days prod1:	160	Gas prod 4:	359
Oil prod 4:	50	Water pr 2:	0
Water in 1:	0	Days pro 1:	25
County:	San Juan		
Latitude:	36.6713991772		
Longitude:	-107.85285703		
Nbr compls:	2		
Acres:	310.11		
Site id:	NMOG20000078297		

WNW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078261**

Api:	3004529559	Well name:	ZACHRY 001R
Compl stat:	Active		
Ocd ul:	N	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	1640
Ns cd:	N	Ftg ew:	1025
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	G
Spud date:	04/21/1998 00:00:00	Plug date:	05/08/1961 00:00:00

Elevgl:	5847	Tvd depth:	2270
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	5816
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	32534	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	38081
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6709823922		
Longitude:	-107.852514696		
Nbr compls:	1		
Acres:	202.82		
Site id:	NMOG20000078261		

NW
1/4 - 1/2 Mile **OIL_GAS** **NMOG20000078260**

Api:	3004525499	Well name:	ZACHRY 041
Compl stat:	Active		
Ocd ul:	O	Section:	12
Township:	28.0N	Range:	10W
Sdiv ul:	O	Ftg ns:	552
Ns cd:	S	Ftg ew:	1945
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	7654		
Land type:	F	Well type:	O
Spud date:	11/30/1982 00:00:00	Plug date:	05/21/1982 00:00:00
Elevgl:	5494	Tvd depth:	5991
Producing :	2290	One produc:	ARMENTA-GALLUP (O)
Last prod :	2007-08	Gas prod 2:	20687
Oil prod 2:	259	Water prod:	112
Water inj :	0	Days prod :	365
Gas prod 3:	21705	Oil prod 3:	305
Water pr 1:	41	Water inj1:	0
Days prod1:	365	Gas prod 4:	19201
Oil prod 4:	223	Water pr 2:	5
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6709578064		
Longitude:	-107.844699473		
Nbr compls:	1		
Acres:	40		
Site id:	NMOG20000078260		

West
1/2 - 1 Mile **OIL_GAS** **NMOG20000078162**

Api:	3004507518	Well name:	MCCLANAHAN 005
Compl stat:	Plugged		
Ocd ul:	D	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	D	Ftg ns:	920
Ns cd:	N	Ftg ew:	1190
Ew cd:	W	Ogrid cde:	214263
Operator:	AZTEC O&G CO		
Property:	30041		
Land type:	F	Well type:	G
Spud date:	03/20/1956 00:00:00	Plug date:	12/03/1973 00:00:00
Elevgl:	5777	Tvd depth:	2066
Producing :	0	One produc:	Not Reported
Last prod :	Not Reported	Gas prod 2:	0
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	0
Gas prod 3:	0	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	0	Gas prod 4:	0
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	0
County:	San Juan		
Latitude:	36.6669089671		
Longitude:	-107.851953896		
Nbr compls:	1		
Acres:	40		
Site id:	NMOG20000078162		

WSW
1/4 - 1/2 Mile **OIL_GAS** **NMOG20000078153**

Api:	3004525362	Well name:	MCCLANAHAN 021
Compl stat:	Active		
Ocd ul:	B	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	B	Ftg ns:	980
Ns cd:	N	Ftg ew:	1610
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	04/16/1982 00:00:00	Plug date:	09/10/1984 00:00:00
Elevgl:	5727	Tvd depth:	3160
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	32380
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	36616	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	41509
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

County:	San Juan
Latitude:	36.6667507115
Longitude:	-107.843562061
Nbr compls:	2
Acres:	480
Site id:	NMOG20000078153

WSW
1/8 - 1/4 Mile **OIL_GAS** **NMOG20000078147**

Api:	3004507513	Well name:	MCCLANAHAN 018
Compl stat:	Active		
Ocd ul:	A	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	A	Ftg ns:	990
Ns cd:	N	Ftg ew:	790
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	08/12/1960 00:00:00	Plug date:	05/20/1985 00:00:00
Elevgl:	5689	Tvd depth:	6450
Producing :	71599	One produc:	BASIN DAKOTA (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	23184
Oil prod 2:	556	Water prod:	1841
Water inj :	0	Days prod :	365
Gas prod 3:	25228	Oil prod 3:	421
Water pr 1:	4	Water inj1:	0
Days prod1:	365	Gas prod 4:	28440
Oil prod 4:	470	Water pr 2:	2
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6667253986		
Longitude:	-107.840754312		
Nbr compls:	2		
Acres:	640		
Site id:	NMOG20000078147		

WSW
1/8 - 1/4 Mile **OIL_GAS** **NMOG20000078128**

Api:	3004507512	Well name:	MCCLANAHAN 001
Compl stat:	Active		
Ocd ul:	A	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	A	Ftg ns:	1090
Ns cd:	N	Ftg ew:	950
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	04/30/1953 00:00:00	Plug date:	12/10/1957 00:00:00

Elevgl:	5696	Tvd depth:	2129
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	35829
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	34732	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	37912
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6664503097		
Longitude:	-107.841302525		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000078128		

ESE
1/8 - 1/4 Mile **OIL_GAS** **NMOG20000078124**

Api:	3004507507	Well name:	REID 015
Compl stat:	Active		
Ocd ul:	D	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	1	Ftg ns:	990
Ns cd:	N	Ftg ew:	990
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	04/11/1960 00:00:00	Plug date:	12/23/1992 00:00:00
Elevgl:	5718	Tvd depth:	2020
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	51974
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	54367	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	56677
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6663977179		
Longitude:	-107.834620739		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000078124		

East
1/2 - 1 Mile **OIL_GAS** **NMOG20000078114**

Api:	3004507502	Well name:	REID 019
Compl stat:	Active		
Ocd ul:	B	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	B	Ftg ns:	1030
Ns cd:	N	Ftg ew:	1470
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	10/05/1971 00:00:00	Plug date:	05/29/1980 00:00:00
Elevgl:	5790	Tvd depth:	0
Producing :	71599	One produc:	BASIN DAKOTA (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	23681
Oil prod 2:	541	Water prod:	54
Water inj :	0	Days prod :	365
Gas prod 3:	22891	Oil prod 3:	284
Water pr 1:	16	Water inj1:	0
Days prod1:	365	Gas prod 4:	22738
Oil prod 4:	394	Water pr 2:	11
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6663094685		
Longitude:	-107.826099961		
Nbr compls:	2		
Acres:	601.98		
Site id:	NMOG20000078114		

East
1/2 - 1 Mile **OIL_GAS** **NMOG20000078099**

Api:	3004507508	Well name:	REID 004
Compl stat:	Active		
Ocd ul:	B	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	B	Ftg ns:	1090
Ns cd:	N	Ftg ew:	1670
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	03/11/1955 00:00:00	Plug date:	10/12/2001 00:00:00
Elevgl:	5786	Tvd depth:	2112
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	2897
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	102	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	342
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365

County:	San Juan
Latitude:	36.6661425192
Longitude:	-107.826784488
Nbr compls:	1
Acres:	160
Site id:	NMOG20000078099

WSW
1/2 - 1 Mile **OIL_GAS** **NMOG20000078047**

Api:	3004521348	Well name:	MCCLANAHAN 005Y
Compl stat:	Plugged		
Ocd ul:	E	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	E	Ftg ns:	1490
Ns cd:	N	Ftg ew:	1150
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	11/17/1973 00:00:00	Plug date:	01/06/1998 00:00:00
Elevgl:	5780	Tvd depth:	2120
Producing :	0	One produc:	Not Reported
Last prod :	1993-01	Gas prod 2:	0
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	0
Gas prod 3:	0	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	0	Gas prod 4:	0
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	0
County:	San Juan		
Latitude:	36.665343227		
Longitude:	-107.852092885		
Nbr compls:	1		
Acres:	40		
Site id:	NMOG20000078047		

WSW
1/2 - 1 Mile **OIL_GAS** **NMOG20000077970**

Api:	3004524106	Well name:	MCCLANAHAN 020E
Compl stat:	Active		
Ocd ul:	F	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	F	Ftg ns:	1840
Ns cd:	N	Ftg ew:	1660
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	04/22/1980 00:00:00	Plug date:	01/19/1999 00:00:00

Elevgl:	5777	Tvd depth:	6610
Producing :	71599	One produc:	BASIN DAKOTA (PRORATED GAS)
Last prod :	2007-08	Gas prod 2:	38059
Oil prod 2:	345	Water prod:	62
Water inj :	0	Days prod :	365
Gas prod 3:	42100	Oil prod 3:	445
Water pr 1:	1	Water inj1:	0
Days prod1:	365	Gas prod 4:	44331
Oil prod 4:	452	Water pr 2:	3
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6643832234		
Longitude:	-107.850347822		
Nbr compls:	2		
Acres:	320		
Site id:	NMOG20000077970		

SSE
1/2 - 1 Mile **OIL_GAS** **NMOG20000077841**

Api:	3004507449	Well name:	REID 018
Compl stat:	Active		
Ocd ul:	K	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	K	Ftg ns:	1850
Ns cd:	S	Ftg ew:	1650
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	01/29/1972 00:00:00	Plug date:	05/20/1992 00:00:00
Elevgl:	5744	Tvd depth:	0
Producing :	72319	One produc:	BLANCO-MESAVERDE (PRORATED GAS)
Last prod :	2007-07	Gas prod 2:	8523
Oil prod 2:	47	Water prod:	3103
Water inj :	0	Days prod :	365
Gas prod 3:	10081	Oil prod 3:	25
Water pr 1:	9	Water inj1:	0
Days prod1:	365	Gas prod 4:	10328
Oil prod 4:	18	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6596943661		
Longitude:	-107.83236458		
Nbr compls:	2		
Acres:	602.09		
Site id:	NMOG20000077841		

SSE
1/2 - 1 Mile **OIL_GAS** **NMOG20000077830**

Api:	3004530847	Well name:	REID 016R
Compl stat:	Active		
Ocd ul:	L	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	3	Ftg ns:	1785
Ns cd:	S	Ftg ew:	845
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	02/09/2002 00:00:00	Plug date:	01/19/2006 00:00:00
Elevgl:	5803	Tvd depth:	2235
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	54641
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	365
Gas prod 3:	52120	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	42121
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	325
County:	San Juan		
Latitude:	36.6595099441		
Longitude:	-107.835121087		
Nbr compls:	2		
Acres:	423.57		
Site id:	NMOG20000077830		

SSE
1/2 - 1 Mile **OIL_GAS** **NMOG20000077824**

Api:	3004507440	Well name:	REID 016
Compl stat:	Plugged		
Ocd ul:	L	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	3	Ftg ns:	1750
Ns cd:	S	Ftg ew:	800
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	04/12/1960 00:00:00	Plug date:	01/02/1998 00:00:00
Elevgl:	5788	Tvd depth:	2054
Producing :	0	One produc:	Not Reported
Last prod :	1993-07	Gas prod 2:	0
Oil prod 2:	0	Water prod:	0
Water inj :	0	Days prod :	0
Gas prod 3:	0	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	0	Gas prod 4:	0
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	0

County:	San Juan
Latitude:	36.6594134381
Longitude:	-107.835275224
Nbr compls:	1
Acres:	40
Site id:	NMOG20000077824

SSW
1/2 - 1 Mile **OIL_GAS** **NMOG20000077815**

Api:	3004507448	Well name:	MCCLANAHAN 002
Compl stat:	Active		
Ocd ul:	I	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	I	Ftg ns:	1550
Ns cd:	S	Ftg ew:	990
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	03/19/1955 00:00:00	Plug date:	03/23/1964 00:00:00
Elevgl:	5773	Tvd depth:	2049
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	12016
Oil prod 2:	0	Water prod:	31
Water inj :	0	Days prod :	243
Gas prod 3:	25055	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	23522
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6592288645		
Longitude:	-107.841448245		
Nbr compls:	1		
Acres:	160		
Site id:	NMOG20000077815		

SE
1/2 - 1 Mile **OIL_GAS** **NMOG20000077810**

Api:	3004507438	Well name:	REID 013
Compl stat:	Active		
Ocd ul:	I	Section:	18
Township:	28.0N	Range:	09W
Sdiv ul:	I	Ftg ns:	1650
Ns cd:	S	Ftg ew:	990
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18607		
Land type:	F	Well type:	G
Spud date:	09/27/1994 00:00:00	Plug date:	04/25/2000 00:00:00

Elevgl:	5753	Tvd depth:	2040
Producing :	71280	One produc:	AZTEC PICTURED CLIFFS (GAS)
Last prod :	2007-08	Gas prod 2:	18324
Oil prod 2:	0	Water prod:	3100
Water inj :	0	Days prod :	365
Gas prod 3:	1161	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	2431
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6591578787		
Longitude:	-107.824443834		
Nbr compls:	2		
Acres:	480		
Site id:	NMOG20000077810		

SSW
1/2 - 1 Mile **OIL_GAS** **NMOG20000077791**

Api:	3004533601	Well name:	MCCLANAHAN 018M
Compl stat:	New (Not drilled or compl)		
Ocd ul:	I	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	I	Ftg ns:	1470
Ns cd:	S	Ftg ew:	925
Ew cd:	E	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	02/07/1959 00:00:00	Plug date:	05/22/1959 00:00:00
Elevgl:	5773	Tvd depth:	0
Producing :	0	One produc:	Not Reported
Last prod :	2007-08	Gas prod 2:	29694
Oil prod 2:	1064	Water prod:	43
Water inj :	0	Days prod :	95
Gas prod 3:	0	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	0	Gas prod 4:	0
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	0
County:	San Juan		
Latitude:	36.6590093445		
Longitude:	-107.841225952		
Nbr compls:	2		
Acres:	640		
Site id:	NMOG20000077791		

SW
1/2 - 1 Mile **OIL_GAS** **NMOG20000077787**

Api:	3004507436	Well name:	MCCLANAHAN 012
Compl stat:	Active		
Ocd ul:	K	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	K	Ftg ns:	1450
Ns cd:	S	Ftg ew:	1690
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	10/22/1959 00:00:00	Plug date:	03/11/1998 00:00:00
Elevgl:	5703	Tvd depth:	1935
Producing :	71629	One produc:	BASIN FRUITLAND COAL (GAS)
Last prod :	2007-08	Gas prod 2:	53897
Oil prod 2:	0	Water prod:	3100
Water inj :	0	Days prod :	365
Gas prod 3:	54943	Oil prod 3:	0
Water pr 1:	0	Water inj1:	0
Days prod1:	365	Gas prod 4:	51541
Oil prod 4:	0	Water pr 2:	0
Water in 1:	0	Days pro 1:	365
County:	San Juan		
Latitude:	36.6589453784		
Longitude:	-107.850252127		
Nbr compls:	2		
Acres:	480		
Site id:	NMOG20000077787		

SW
1/2 - 1 Mile **OIL_GAS** **NMOG20000077658**

Api:	3004507418	Well name:	MCCLANAHAN 020
Compl stat:	Active		
Ocd ul:	N	Section:	13
Township:	28.0N	Range:	10W
Sdiv ul:	N	Ftg ns:	800
Ns cd:	S	Ftg ew:	1800
Ew cd:	W	Ogrid cde:	14538
Operator:	BURLINGTON RESOURCES OIL & GAS COMPANY LP		
Property:	18577		
Land type:	F	Well type:	G
Spud date:	08/18/1960 00:00:00	Plug date:	04/14/1998 00:00:00
Elevgl:	5710	Tvd depth:	6410
Producing :	82329	One produc:	OTERO CHACRA (GAS)
Last prod :	2007-08	Gas prod 2:	46969
Oil prod 2:	98	Water prod:	36
Water inj :	0	Days prod :	365
Gas prod 3:	59561	Oil prod 3:	148
Water pr 1:	24	Water inj1:	0
Days prod1:	365	Gas prod 4:	43424
Oil prod 4:	117	Water pr 2:	6
Water in 1:	0	Days pro 1:	344

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

County:	San Juan
Latitude:	36.657160381
Longitude:	-107.84987778
Nbr compls:	2
Acres:	480
Site id:	NMOG20000077658

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NM Radon

Radon Test Results

Zip	Total Sites	Pct. < 4 Pci/L	4 < 10 Pci/L	10 < 20 Pci/L	> 20 Pci/L
87412	1	100.0	0.0	0.0	0.0

Federal EPA Radon Zone for SAN JUAN County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 87412

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Office of the State Engineer
Telephone: 505-827-6175

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations
Source: New Mexico Institute of Mining and Technology
Telephone: 505-835-5142

RADON

State Database: NM Radon
Source: Environment Department
Telephone: 505-827-1093
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

Section 4

EDR Offsite Receptor Report

CPS 1989
CR 4960
Bloomfield, NM 87412

Inquiry Number: 2328289.1s
September 26, 2008

EDR Offsite Receptor Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc. (EDR). The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R. *"The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e., the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."*

The address of the subject property, for which the search was intended, is:

CPS 1989
CR 4960
BLOOMFIELD, NM 87412

Distance Searched: 1.000 miles from subject property

RECEPTOR SUMMARY
An X indicates the presence of the receptor within the search radius.

Residential Population
Estimated population within search radius: 17 persons.

Other Public Receptors

Type	Within Search Radius	Sites Total
Day Care Centers:	☐	
Medical Centers:	☐	
Nursing Homes:	☐	
Schools:	☐	
Hospitals:	☐	
Colleges:	☐	
Arena:	☐	
Prison:	☐	

Environmental Receptors

Type	Within Search Radius	Sites Total
Federal Land:	☒	1

CENSUS MAP - 2328289.1s

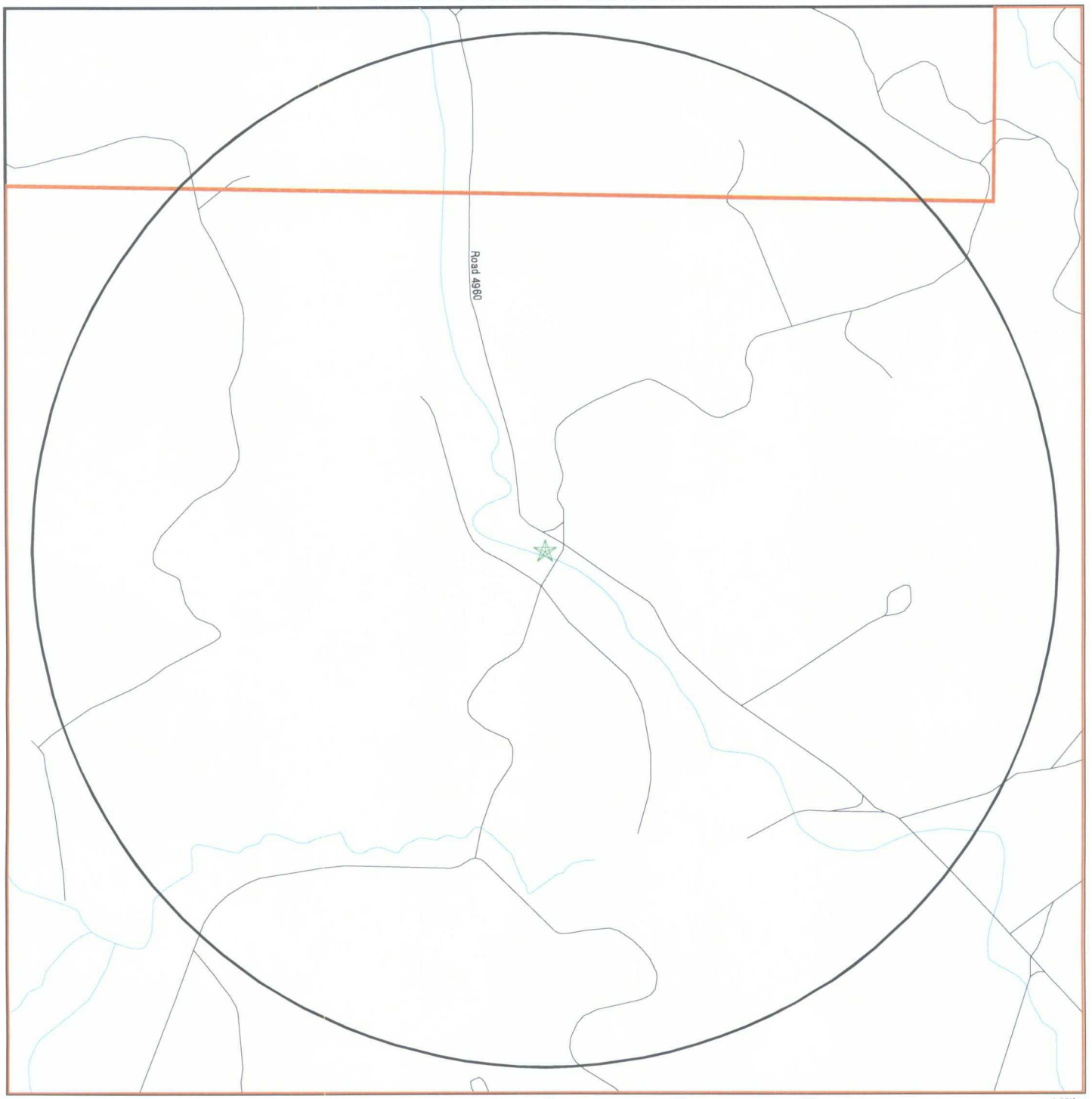
★ Target Property
Roads
Waterways
Census Tracts

TARGET PROPERTY:	CPS 1989	CUSTOMER:	Envirotech, Inc.
ADDRESS:	CR 4960	CONTACT:	Greg Crabtree
CITY/STATE/ZIP:	Bloomfield NM 87412	INQUIRY #:	2328289.1s
LAT/LONG:	36.6676 / 107.8387	DATE:	September 26, 2008 3:24 pm

CENSUS FINDINGS

Map ID	Tract Number	Total Population	Population in Radius	Total Area(sq.mi.)	Area in Radius(sq.mi.)
T1	0007.02	1052	17.2	190.66	3.13

RECEPTOR MAP - 2328289.1s



0 1/4 1/2 1 Miles

- Target Property
- Roads
- Waterways
- Environmental or Public Receptor
- Federal Lands Linear Features
- Federal Lands Area

TARGET PROPERTY:	CPS 1989	CUSTOMER:	Envirotech, Inc.
ADDRESS:	CR 4960	CONTACT:	Greg Crabtree
CITY/STATE/ZIP:	Bloomfield NM 87412	INQUIRY #:	2328289.1s
LAT/LONG:	36.6676 / 107.8387	DATE:	September 26, 2008 3:24 pm

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
NA			CUSA137062
North	Name:	Not Reported	FED_LAND
0-1/8 mi	Feature:	Public Domain Land BLM	
0	URL:	Not Reported	
NA	Bureau:	BLM	
	State:	NM	
	Is DOD?:	No	

RECORDS SEARCHED/DATA CURRENCY TRACKING

Census
Source: U.S. Census Bureau
Telephone: 301-457-4100
2000 U.S. Census data was used to estimate residential population following these EPA guidelines:
"Census data are presented by Census tract. If your circle covers only a portion of the tract, you should develop an estimate for that portion...Determine the population density per square mile (total population of the Census tract divided by the number of square miles in the tract) and apply that density figure to the number of square miles within your circle."

FED_LAND: Federal Lands
Source: USGS
Telephone: 888-275-8747
Federal lands data. Includes data from several Federal land management agencies, including Fish and Wildlife Service, Bureau of Land Management, National Park Service, and Forest Service. Includes National Parks, Forests, Monuments; . Wildlife Sanctuaries, Preserves, Refuges; Federal Wilderness Areas.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Colleges - Integrated Postsecondary Education Data
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on integrated postsecondary education in the United States.

Arenas
Source: Dunhill International
EDR indicates the location of buildings and facilities - arenas - where individuals who are public receptors are likely to be located.

Prisons: Bureau of Prisons Facilities
Source: Federal Bureau of Prisons
Telephone: 202-307-3198
List of facilities operated by the Federal Bureau of Prisons.

Daycare Centers: Licensed Child Day Care Providers
Source: Office of Child Development
Telephone: 505-827-7946

STREET AND ADDRESS INFORMATION

Appendix

Water Well Information

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 28N Range: 10W Sections: 1-36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/30/2008

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Tws	Rng	Sec	q	q	q	X Y are in Feet Zone	X	Y

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 29N Range: 10W Sections: 1-36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/30/2008

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y
RG 36732 DCL	STK	0	PETE E. MIDDLEMIST	RG 36732 DCL	Shallow	29N	10W	25	2					
SD 00175	IRR	0	TORRES DITCH	SD 00175		29N	10W	26	1	1	1			
SD 06526	IRR	27.3	MICHAEL B. SULLIVAN	SD 06526		29N	10W	36	1	3	2			
SJ 00092	DOM	0	CABINO CHAVEZ	SJ 00092	Shallow	29N	10W	24	2	4	2			
SJ 00137	DOM	3	RALPH WELLER	SJ 00137		29N	10W	19	1	2				
SJ 00303	DOM	3	PHIL DIX	SJ 00303	Shallow	29N	10W	19	3	3				
SJ 00370	DOM	0	JOHN F. & MARGARET ISMAY	SJ 00370		29N	10W	24	2	1				
SJ 00473	DOM	3	T. L. EVANS	SJ 00473	Shallow	29N	10W	30	2	4				
SJ 00497	DOM	3	JACK M. MOORE	SJ 00497	Shallow	29N	10W	29	3	2	3			
SJ 00506	DOM	3	DAVID R. WRIGHT	SJ 00506	Shallow	29N	10W	28	4	3				
SJ 00662	DOM	3	LOREN E. MCINNES	SJ 00662	Shallow	29N	10W	30	4	4	3			
SJ 00680	DOM	3	CLYDE R. ROBBINS	SJ 00680	Shallow	29N	10W	13	2	2				
SJ 00785	MDW	119.912	BLANCO MESA	SJ 00785 EXPL		29N	10W	13	4					
				SJ 00785 S	Shallow	29N	10W	04	2	4	2			
				SJ 00785 S-2	Shallow	29N	10W	13	4					
SJ 00914	DOM	3	DAVID K. MARKLE	SJ 00914		29N	10W	22	3	3				
SJ 00951	DOM	3	TOMMY W. GARY	SJ 00951		29N	10W	26	4	4				
SJ 00999	DOM	3	ART & KIM ALSUP	SJ 00999		29N	10W	26	4					
SJ 01019	DOM	3	HOLLIS VAUGHN	SJ 01019	Shallow	29N	10W	26	4	3	3			
SJ 01050	STK	3	DANIEL F. MCCARTHY	SJ 01050	Shallow	29N	10W	36	3	3				
SJ 01051	DOM	3	ROBERT E. STOCK	SJ 01051	Shallow	29N	10W	35	2	2	2			
SJ 01056	DOM	3	JIMMY L. BROWN	SJ 01056	Shallow	29N	10W	27	3	2				
SJ 01105	DOM	3	MICHAEL HARRIS	SJ 01105		29N	10W	13	4	2				
SJ 01124	DOM	3	ERNIE CURRENT	SJ 01124		29N	10W	19	4	4				
SJ 01140	DOM	3	GARY PAGE	SJ 01140	Shallow	29N	10W	20	3	2	3			
SJ 01262	DOM	3	GEORGE E. THOMAS	SJ 01262		29N	10W	22	2	3	4			
SJ 01420	DOM	3	SIMON GALLEGOS	SJ 01420		29N	10W	21	4					
SJ 01474	DOM	3	RALPH A. JARAMILLO	SJ 01474	Shallow	29N	10W	21	4	4				
SJ 01678	DOM	0	ROGER D. PHILLIPS	SJ 01678		29N	10W	21	4	2	3			
SJ 01769	DOM	3	KENNETH D. FLOREZ	SJ 01769		29N	10W	20	3	2	1			
SJ 01853	DOM	0	RALPH ABEYTA	SJ 01853		29N	10W	21	4					
SJ 01854	DOM	0	MARLIN GALLEGOS	SJ 01854		29N	10W	21	4					
SJ 01855	DOM	0	ERNIE MOTT	SJ 01855		29N	10W	21	4					
SJ 01990	DOM	3	WILLIAM A. FLOREZ	SJ 01990	Shallow	29N	10W	20	4	3				
SJ 02002	DOM	3	TOM THORPE	SJ 02002		29N	10W	21	1					
SJ 02078	DOM	3	NICK GONZALES	SJ 02078	Shallow	29N	10W	19	3	1	1			
SJ 02122	DOM	3	L. L. GREENLEAF	SJ 02122	Shallow	29N	10W	25	4	1				
SJ 02151	DOM	3	BILL WILSON	SJ 02151	Shallow	29N	10W	23	2	1	2	W	404600	2075800
SJ 02157	DOM	3	BOB JOHNSTON	SJ 02157		29N	10W	29	1	3				
SJ 02162	DOM	3	SYLVIA M. DOMME	SJ 02162		29N	10W	19	4	3	1			
SJ 02216	DOM	3	JOHN WHITAKER	SJ 02216	Shallow	29N	10W	28	1	2				
SJ 02275	DOM	3	ANTONIA T. GARCIA	SJ 02275	Shallow	29N	10W	24	1	4	2			
SJ 02475	DOM	3	RUSSELL LUNA	SJ 02475		29N	10W	19	1	4	4			
SJ 02500	DOM	3	W. T. SMITH	SJ 02500		29N	10W	21	1	4	1			
SJ 02547	DOM	3	BUCK & LAQUITA WAGNER	SJ 02547	Shallow	29N	10W	20	4	4				
SJ 02548	DOM	3	BUCK & LAQUITA WAGNER	SJ 02548	Shallow	29N	10W	20	4	4				
SJ 02596	DOM	3	MANUEL WEARREE	SJ 02596		29N	10W	21	3	3				
SJ 02747	DOM	3	FRED W. CONNELL	SJ 02747		29N	10W	19	1	1	1			
SJ 02793	DOM	3	RALPH PRADO	SJ 02793		29N	10W	24	3	2	3			
SJ 02802	DOM	3	TOBIAS AGUIRRE	SJ 02802	Shallow	29N	10W	24	3	3	2			
SJ 02820	DOM	3	EDWARD A. CHAVEZ	SJ 02820	Shallow	29N	10W	23	4	1	3			
SJ 02840	DOM	3	ARTHUR P. SULLIVAN	SJ 02840	Shallow	29N	10W	25	3	4	1			
SJ 02860	DOM	3	RAY MILLER	SJ 02860	Shallow	29N	10W	19	4	4	4			
SJ 02896	DOM	3	JAMES E. & WILMA M. EATON FAMI	SJ 02896	Shallow	29N	10W	24	1	4	1			
SJ 02900	SAN	3	VETERANS OF FOREIGN WARS	SJ 02900		29N	10W	20	3	1	2			
SJ 02907	DOM	3	RICHARD R. BOYD	SJ 02907		29N	10W	24	3	2	3			
SJ 03023	DOM	3	REYES MARIN	SJ 03023	Shallow	29N	10W	18	1	3	1			
SJ 03081	DOM	3	RICHARD LAMBERT	SJ 03081		29N	10W	18	3	1	4			
SJ 03142	DOM	3	JENNIFER KREILICK	SJ 03142	Shallow	29N	10W	22	2	2	2			
SJ 03180	DOM	3	ROSA LEWIS	SJ 03180	Shallow	29N	10W	21	4	4	4			
SJ 03184	DOM	3	RALPH PRADO	SJ 03184		29N	10W	24	3	2	4			
SJ 03441	DOM	3	WILLIAM GOOLSBY	SJ 03441	Shallow	29N	10W	21	4	3	3			
SJ 03455	STK	3	MANUEL WEARREE	SJ 03455	Shallow	29N	10W	21	3	3	1			
SJ 03456	STK	3	MANUEL WEARREE	SJ 03456	Shallow	29N	10W	21	3	3	2			
SJ 03470	DOM	3	ROBERT SLAVIN	SJ 03470	Shallow	29N	10W	21	4	3	4			
SJ 03502	DOM	0	ALFRED WOMACK	SJ 03502		29N	10W	19	1	3	1			
SJ 03535	STK	0	DENNIS CHAVEZ	SJ 03535		29N	10W	21	3	2	3			
SJ 03582	DOM	3	RENA HERBER	SJ 03582	Shallow	29N	10W	28	1	3	3			
				SJ 03582 POD2	Shallow	29N	10W	28	2	3	3			
SJ 03584	DOM	0	KAREN HALL	SJ 03584		29N	10W	24	3	1	2			
SJ 03596	DOM	0	PAT FAHRION	SJ 03596		29N	10W	13	4	1	4			
SJ 03598	DOM	0	KENNETH FLOREZ	SJ 03598		29N	10W	13	4	2	4			
SJ 03637	DOM	3	CARL CORDELL	SJ 03637	Shallow	29N	10W	20	2	3	1			
SJ 03652	DOM	3	RANDY HARRELL	SJ 03652	Shallow	29N	10W	20	2	2	1			

SJ	03673		DOM	3	JOHNNY F. ARCHULETA	SJ	03673			29N	10W	25	2	1	3				
SJ	03674		DOM	3	JOHNNY F. ARCHULETA	SJ	03674			29N	10W	28	2	3	1				
SJ	03713		DOM	3	MICHAEL R. ARNOLD	SJ	03713	POD1	Shallow	29N	10W	22	2	3					
SJ	03715		DOM	6	RENA HERBER	SJ	03715	POD1		29N	10W	28	2	3	3				
SJ	03743		DOM	3	JENAMINE SKEES	SJ	03743	POD1	Shallow	29N	10W	33	4	4	4				
SJ	03744		STK	3	JENAMINE SKEES	SJ	03744	POD1		29N	10W	33	3	1	1				
SJ	03777		DOM	1	PHILLIP FYKE	SJ	03777	POD1	Shallow	29N	10W	20	4	4	1	276044	2071311		
SJ	03804		STK	5	JESSICA WOLF	SJ	03804	POD1		29N	10W	21	3	2	1	276568	2070065		
SP	02529		IRR	10.11	BRAULIO ARMINTA	SP	02529			29N	10W	24	4	1					
SP	02529 A		IRR	2.6.3	FRED G. ARMENTA	SP	02529			29N	10W	24	4	1					
SP	02529 B		IRR	79.14	SUSIE ARMENTA	SP	02529	B1		29N	10W	26	1	3					
						SP	02529	B2		29N	10W	26	1	3					
						SP	02529	B3		29N	10W	27	2	3					
SP	02529 BA		IRR	7.6	FRED G. ARMENTA	SP	02529	B1		29N	10W	26	1	3					
						SP	02529	B2		29N	10W	26	1	3					
						SP	02529	B3		29N	10W	27	2	3					
SP	02870 10		IRR	11.7	MERRILL LYNCH RELOCATION MGT.	SP	02870	10		29N	10W	13	4	2	4				
SP	02870 10A		IRR	0	DAVID E. BALL	SP	02870	10		29N	10W	13	4	2	4				
SP	02870 10AA		IRR	0	LANCY J. HENDRY	SP	02870	10		29N	10W	13	4	2	4				
SP	02870 10B		IRR	0	TERRY PAT FAHRION	SP	02870	10		29N	10W	13	4	2	4				
SP	02870 11		IRR	38.1	SABINO CHAVEZ	SP	02870	11		29N	10W	13	4	4					
SP	02870 11A		IRR	36.5	SABINO N. & KUMI CHAVEZ LIVING	SP	02870	11		29N	10W	13	4	4					
SP	02870 11B		IRR	3.3	SABINO N. & KUMI CHAVEZ LIVING	SP	02870	11		29N	10W	13	4	4					
SP	02870 13		IRR	6.9	FIDEL GONZALES	SP	02870	13		29N	10W	20	2	4					
SP	02870 17		IRR	3.3	JAMES A. CORDOVA	SP	02870	17		29N	10W	13	4	1					
SP	02870 18		IRR	27.81	FRANK ARCHULETA	SP	02870	18		29N	10W	20	1	4					
						SP	02870	18A		29N	10W	20	1	4					
						SP	02870	18B		29N	10W	20	1	4					
						SP	02870	18C		29N	10W	20	2	3					
						SP	02870	18D		29N	10W	20	2	3					
SP	02870 18A		IRR	3.69	RALPH P. PRADO	SP	02870	18		29N	10W	20	1	4					
						SP	02870	18A		29N	10W	20	1	4					
						SP	02870	18B		29N	10W	20	1	4					
						SP	02870	18C		29N	10W	20	2	3					
						SP	02870	18D		29N	10W	20	2	3					
SP	02870 18B		IRR	0.3	LEONARD J. SANDOVAL	SP	02870	18		29N	10W	20	1	4					
						SP	02870	18A		29N	10W	20	1	4					
						SP	02870	18B		29N	10W	20	1	4					
						SP	02870	18C		29N	10W	20	2	3					
						SP	02870	18D		29N	10W	20	2	3					
SP	02870 18C		IRR	0.6	LEONARD J. SANDOVAL	SP	02870	18		29N	10W	20	1	4					
						SP	02870	18A		29N	10W	20	1	4					
						SP	02870	18B		29N	10W	20	1	4					
						SP	02870	18C		29N	10W	20	2	3					
						SP	02870	18D		29N	10W	20	2	3					
SP	02870 19		IRR	0.9	RUSSELL E. ARNOLD	SP	02870	19		29N	10W	13	4	1					
SP	02870 23		IRR	9	AMADEO M. HERRERA	SP	02870	23		29N	10W	24	1	4					
SP	02870 6		IRR	3	MR. ANTONIO (TONY) SERRANO	SP	02870	6		29N	10W	20	1	3					
SP	02870 7		IRR	1.2	MANUEL SANCHEZ	SP	02870	7		29N	10W	20	1	3					
SP	02870 9		IRR	25.2	JOSE M. FLOREZ	SP	02870	9		29N	10W	20	4	2					
SP	03836		COM	0	MILBAR HYDRO-TEST, INC.	SP	03836			29N	10W	24	2	4					
SP	03856		OFM	0	AL'S TANNERS, INC.	SP	03856	3		29N	10W	27	3	1	1				
SP	03873		OIL	0	AMOCO PRODUCTION COMPANY	SP	03873	3		29N	10W	22	3	1	3				
SP	04488		MUN	0	SAN JUAN RURAL WATER USERS AS.	SJ	00785	S	Shallow	29N	10W	04	2	4	2				
SP	04498		MUN	4905.5	SAN JUAN WATER COMMISSION	SJ	00785	S	Shallow	29N	10W	04	2	4	3				
SP	04870		MUN	0	SAN JUAN WATER COMMISSION	SJ	00785	S	Shallow	29N	10W	04	2	4	1				

Record Count: 130

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 28N Range: 09W Sections: 1-36

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/30/2008

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 00018	IND	40	BURLINGTON RESOURCES OIL & GAS	SJ 00018	Shallow	28N	09W	20	3	1	4			
SJ 02800	DOM	3	BLANCO WORD OF FAITH, INC.	SJ 02800		28N	09W	24	4	2	3			
SJ 03746	STK	3	MARY HELENE SULLIVAN	SJ 03746 POD1	Shallow	28N	09W	20	1	2	3			

Record Count: 3