

# REMEDIATION PROPOSAL

**G-28-14 EXT. 3**

**NMOCD 1RP#1029**

**COMPANY No. 36785**

**EPI REF: 130018**

**UL-D (NW¼ OF THE NW¼) OF SECTION 26 T23S R36E**

**~11.9 MILES SOUTH-SOUTHWEST OF EUNICE**

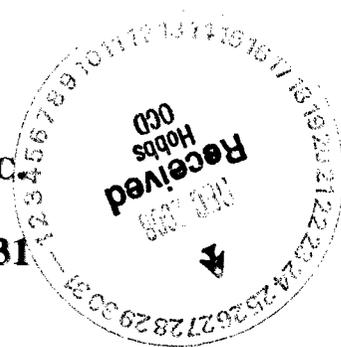
**LEA COUNTY, NEW MEXICO**

**LATITUDE: N 32° 16' 49.349" LONGITUDE: W 103° 14' 27.415"**

**DECEMBER 2006**

**PREPARED BY:**

**ENVIRONMENTAL PLUS, INC.  
2100 AVENUE O  
EUNICE, NEW MEXICO 88231**



**PREPARED FOR:**

**Duke Energy  
Field Services**

RP#1029

application - PPAC0714339120



## STANDARD OF CARE

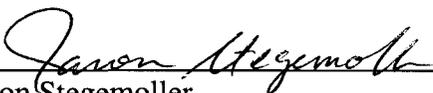
### Closure Proposal

G -28-14 Ext. 3

(NMOCD 1RP # 1029; EPI Ref. #130018)

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February, 1993) and Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan*. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were derived using currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered professional with a background in engineering, environmental and/or natural sciences.

Prepared by:

  
\_\_\_\_\_  
Jason Stegemoller  
Environmental Scientist

December 21, 2006  
Date

Reviewed by:

  
\_\_\_\_\_  
David P. Duncan  
Civil Engineer

12/21/06  
Date



## Table of Contents

1.0	Project Synopsis.....	iv
2.0	Site and Release Information .....	1
3.0	NMOCD Site Ranking .....	2
4.0	Excavation Soil Information .....	3
5.0	Sampling Information .....	4
6.0	Analytical Results .....	5
7.0	Discussion .....	6
8.0	Conclusion and Recommendations .....	7

### FIGURES

- Figure 1: Area Map
- Figure 2: Site and Well Location Map
- Figure 3: Site Map
- Figure 4: Sample Location Map
- Figure 5: Excavation Sample Location Map

### TABLES

- Table 1: Summary of Soil Sample Analytical Results
- Table 2: Well Data

### APPENDICES

- Appendix I: Laboratory Analytical Reports and Chain-of-Custody Forms
- Appendix II: Project Photographs
- Appendix III: Soil Boring Logs
- Appendix IV: Informational Copy of Initial NMOCD C-141 Form



## 1.0 PROJECT SYNOPSIS

### *Site Specific:*

- ◆ **Company Name:** Duke Energy Field Services
- ◆ **Facility Name:** G -28-14 Ext. 3
- ◆ **Project Reference:** NMOCD IRP# 1029; EPI Ref: 130018
- ◆ **Company Contacts:** Lynn Ward
- ◆ **Site Location:** WGS84 N32° 16' 49.349"; W103° 14' 27.415"
- ◆ **Legal Description:** Unit Letter-D, (NW¼ of the NW¼), Section 26, T23S, R36E
- ◆ **General Description:** Approximately 11.9-miles south-southwest of Eunice, New Mexico
- ◆ **Elevation:** 3,364-ft amsl
- ◆ **Land Ownership:** Kelly Myers, President – Deep Wells Ranch
- ◆ **EPI Personnel:** Project Consultant – Jason Stegemoller

### *Release Specific:*

- ◆ **Product Released:** Natural Gas and Natural Gas Liquids (NGL)
- ◆ **Volume Released:** 12 barrels      **Volume Recovered:** 10 barrels
- ◆ **Time of Occurrence:** March 27, 2005      **Time of Discovery:** March 27, 2005
- ◆ **Release Source:** Weld failure on 6-inch Marlex natural gas pipeline (20-30 mcf at 18-20 lbs)
- ◆ **Initial Surface Area Affected:** ~ 6,660 square feet

### *Remediation Specific:*

- ◆ **Final Vertical extent of contamination:** 5-feet bgs at maximum depth
- ◆ **Depth to Ground Water:** ~148-ft bgs
- ◆ **Water wells within 1,000-ft:** None
- ◆ **Private domestic water sources within 200-ft:** None
- ◆ **Surface water bodies within 1,000-ft:** None
- ◆ **NMOCD Site Ranking Index:** 0 points
- ◆ **Remedial goals for Soil:** TPH – 5,000 mg/Kg; BTEX – 50 mg/Kg; Benzene – 10 mg/Kg; Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 mg/L and 600 mg/L, respectively.
- ◆ **RCRA Waste Classification:** Exempt
- ◆ **Remediation Option Selected:** a) Excavate visibly stained soil to approximately 5-feet bgs ; b) collect soil samples to verify NMOCD remedial thresholds achieved; c) transport excavated soil to EPI landfarm for treatment; d) backfill excavation with native soil; e) seed remediation area with a blend approved by the landowner.
- ◆ **Disposal Facility:** Environmental Plus, Inc. Landfarm
- ◆ **Volume disposed:** To be determined
- ◆ **Project Completion Date:** Ongoing



## 2.0 SITE AND RELEASE INFORMATION

### 2.1 *Describe the land use and pertinent geographic features within 1,000 feet of the site.*

In addition to oilfield activities, the surrounding area is rangeland and utilized for livestock grazing.

### 2.2 *Identify and describe the source or suspected source(s) of the release.*

Weld failure on 6-inch Marlex natural gas pipeline.

### 2.3 *What is the volume of the release? (if known):* 12 barrels of natural gas and natural gas liquids

### 2.4 *What is the volume recovered? (if any)* 10 barrels

### 2.5 *When did the release occur? (if known):* March 27, 2005

### 2.6 *Geological Description*

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil."

The release site is located in the Eunice Plains physiographic subdivision, described by Nicholson & Clebsch as an area "underlain by a hard caliche surface and is almost entirely covered by reddish-brown dune sand". The thickness of the sand cover ranges from 2-5 feet in most areas to as much as 20-30 feet in drift areas.

### 2.7 *Ecological Description*

Typical vegetation consists primarily of an intergrade of High Plains and Northern Chihuahuan Desert grasses. Vegetation includes perennial grasses (eg. blue grama, buffalograss) and annual and perennial forbs (eg. broad-leafed milkweed and Russian thistle). Degraded/disturbed areas will consist primarily of annual grasses and forbs and mesquite exhibiting shrubby growth forms. Mammals represented include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians and birds are numerous and typical of the area. A survey of Listed, Threatened or Endangered species was not conducted.

### 2.8 *Area Groundwater*

The unconfined groundwater aquifer at this site is projected to be ~148 feet (ft) bgs based on water depth data obtained from the New Mexico State Engineers Office and the United States Geological Survey data base (reference *Table 1*).

### 2.9 *Area Water Wells*

There are no wells within a 1,000-foot radius of the site (reference *Table 1* and *Figure 2*).

### 2.10 *Area Surface Water Features*

There are no surface water features within a 1,000-foot radius of the site (reference *Figure 2*).



### 3.0 NMOCD SITE RANKING

Contaminant delineation and remedial work done at this site indicate chemical parameters of the soil and physical parameters of the groundwater were consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- ◆ *Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)*
- ◆ *Unlined Surface Impoundment Closure Guidelines (February, 1993)*
- ◆ *Pit and Below-Grade Tank Guidelines (November, 2004)*

Acceptable thresholds for contaminants/constituents of concern (CoC) were determined based on the NMOCD Ranking Criteria as follows:

- ◆ *Depth to Groundwater ( i.e., distance from the lower most acceptable concentration to groundwater); and*
- ◆ *Wellhead Protection Area (i.e., distance from fresh water supply wells); and*
- ◆ *Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).*

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is zero (0) points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. GROUNDWATER		2. WELLHEAD PROTECTION AREA		3. DISTANCE TO SURFACE WATER	
Depth to GW <50 feet: <b>20 points</b>		If <1,000' from water source, or <200' from private domestic water source: <b>20 points</b>		<200 horizontal feet: <b>20 points</b>	
Depth to GW 50 to 99 feet: <b>10 points</b>				200-1,000 horizontal feet: <b>10 points</b>	
Depth to GW >100 feet: <b>0 points</b>		If >1,000' from water source, or >200' from private domestic water source: <b>0 points</b>		>1,000 horizontal feet: <b>0 points</b>	
Site Rank (1+2+3) = 0 + 0 + 0 = <b>0 points</b>					
<b>Total Site Ranking Score and Acceptable Remedial Goal Concentrations</b>					
Parameter	20 or >	10	0		
Benzene <sup>1</sup>	10 ppm	10 ppm	10 ppm		
BTEX <sup>1</sup>	50 ppm	50 ppm	50 ppm		
TPH	100 ppm	1,000 ppm	5,000 ppm		

<sup>1</sup> A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.



**4.0 EXCAVATED SOIL INFORMATION**

**4.1 Was soil excavated for off-site treatment or disposal?**     Yes     No

*Date excavated:* To be determined

*Total volume removed:* To be determined

**4.2 Indicated soil treatment type:**

<input checked="" type="checkbox"/>	<i>Disposal</i>
<input type="checkbox"/>	<i>Land Treatment</i>
<input type="checkbox"/>	<i>Composting/Biopiling</i>
<input type="checkbox"/>	<i>Other (     )</i>

*Name and location of treatment/disposal facility:*  
Environmental Plus, Inc. Landfarm



## 5.0 SAMPLING INFORMATION

### 5.1 *Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.*

Organic Vapor Concentrations – A portion of each soil sample was placed in a polyethylene bag and allowed sufficient time and temperature for organic vapors to volatilize. The detector portion of a Photoionization Detector equipped with a 10.2 electron volt lamp was placed in the bag to analyze organic vapor concentration.

Chloride Concentrations – A La Motte Chloride Test Kit was utilized for field chloride concentration analyses.

### 5.2 *Briefly describe the soil analytical sampling and handling procedures used.*

Soil samples were collected during the advancement of soil borings BH-1, BH-2 and BH-3 utilizing a hollow core drill. Soil samples were collected at five foot (5-ft) intervals from 5-ft below ground surface (bgs) to a total depth of 20-feet bgs for BH-1 and 15-feet bgs for BH-2 and BH-3.

Upon collection of each sample, a portion was immediately placed in a laboratory provided container, labeled and set on ice for transport to an independent laboratory for quantification of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and total xylenes (BTEX) and chloride concentrations.

### 5.3 *Discuss sample locations and provide rationale for their locations.*

On August 1, 2005, a series of three soil borings (BH-1, BH-2 and BH-3) were advanced within the release area. Soil boring BH-1 was advanced to approximately 20-feet bgs north of the point of release. Soil boring BH-2 was advanced to approximately 15-feet bgs adjacent to the point of release. Soil boring BH-3 was advanced to approximately 15-feet bgs south of the point of release. Soil samples were collected from the soil borings initially at 5-foot bgs and then 5-foot intervals thereafter. Soil boring locations within the release area were chosen to provide the best representative sample to delineate the vertical extent of hydrocarbon impacted soil, if any (reference *Figure 4*).



## 6.0 ANALYTICAL RESULTS

### 6.1 *Describe the vertical and horizontal extent and magnitude of soil contamination.*

Laboratory analyses of the soil samples collected on August 1, 2005 from soil borings BH-1, BH-2 and BH-3 indicated TPH and BTEX constituent concentrations were non-detectable at or above laboratory method detection limits. The exception was soil sample BH-2 (10') which indicated BTEX constituent concentrations were 0.0575 mg/Kg, below the NMOCD remedial threshold of 50 mg/Kg. Chloride concentrations ranged from 17.5 to 83.4 mg/Kg (reference *Table 2* and *Figure 4*).

### 6.2 *Is surface soil contamination present at the site (i.e., soil in the uppermost two feet that is visibly stained, contaminated at greater than 10 ppm (PID) or hydrocarbon saturated)?*

*yes*       *no*

*If yes, attach a site map identifying extent(s) of surface soil contamination.*

Soil impacted by the NGL release remains *in situ* (reference *Figure 3*).



---

7.0 **DISCUSSION**

7.1 ***Discuss the risks associated with the remaining soil contamination:***

Laboratory analyses of soil samples obtained via soil borings BH-1, BH-2 and BH-3 indicate *in situ* soil below 5-feet bgs was not impacted by this release. Based on depth to groundwater (>100-feet bgs), non-detectable hydrocarbon and low chloride concentrations this release should not impact local groundwater.

7.2 ***Discuss the risks associated with the impacted groundwater:*** Not Applicable

7.3 ***Discuss other concerns not mentioned above:*** Not Applicable



## 8.0 CONCLUSIONS AND RECOMMENDATIONS

- 8.1 *Recommendation for the site:*
- Site Closure*
  - Additional Groundwater Monitoring*
  - Corrective Action*

8.2 *Base the recommendation above on Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993). Describe below how you applied the policy to support your recommendation. If closure is recommended, please summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.*

Laboratory analyses of soil samples collected from soil borings BH-1, BH-2 and BH-3 indicate TPH and BTEX constituent concentrations below 5-feet bgs were extremely low to non-detectable at laboratory method detection limits. Chloride concentrations were below the remedial goal of 250 mg/Kg.

8.3 *If additional groundwater monitoring is recommended, indicate the proposed monitoring schedule and frequency. Conduct quarterly monitoring until the NMOCD responds to this report.* Not Applicable

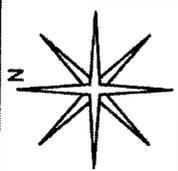
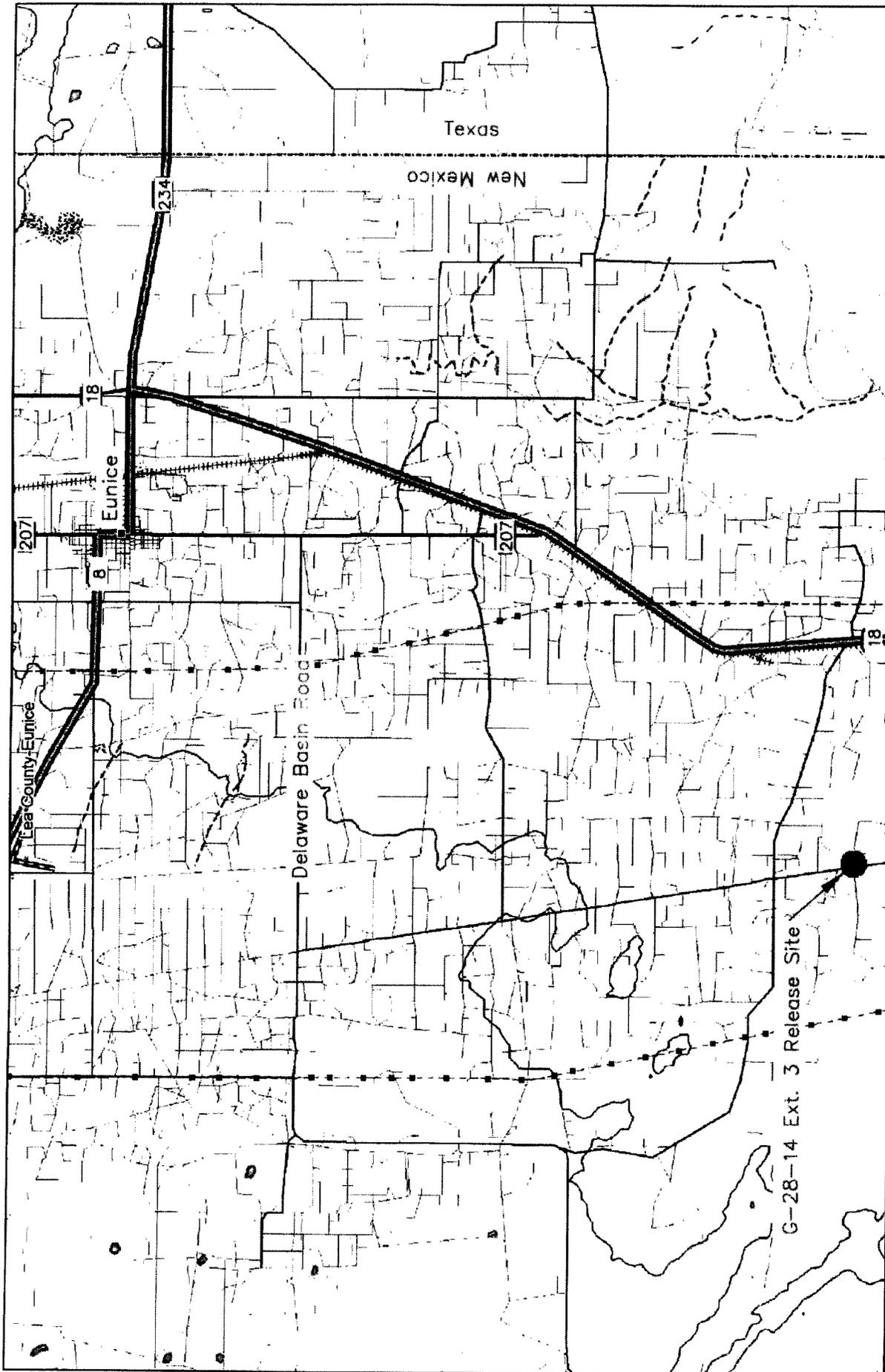
8.4 *If corrective action is recommended, provide a conceptual approach.*

Environmental Plus, Inc., on behalf of Duke Energy Field Services, recommends the following:

- 1) Excavate stained soil within the initial release area to approximately 5-feet bgs;
- 2) Collect soil samples from the excavation floor and sidewalls to verify NMOCD remedial thresholds achieved; and
- 3) Transport impacted soil to the Environmental Plus, Inc. Landfarm for treatment; and
- 4) Backfill excavation with clean native soil; and
- 5) Seed the area with a blend approved by the landowner.

EPI, on behalf of DEFS, will provide the NMOCD with documentation of activities upon completion of remediation activities.

**FIGURES**



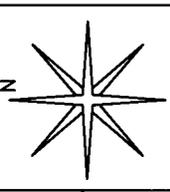
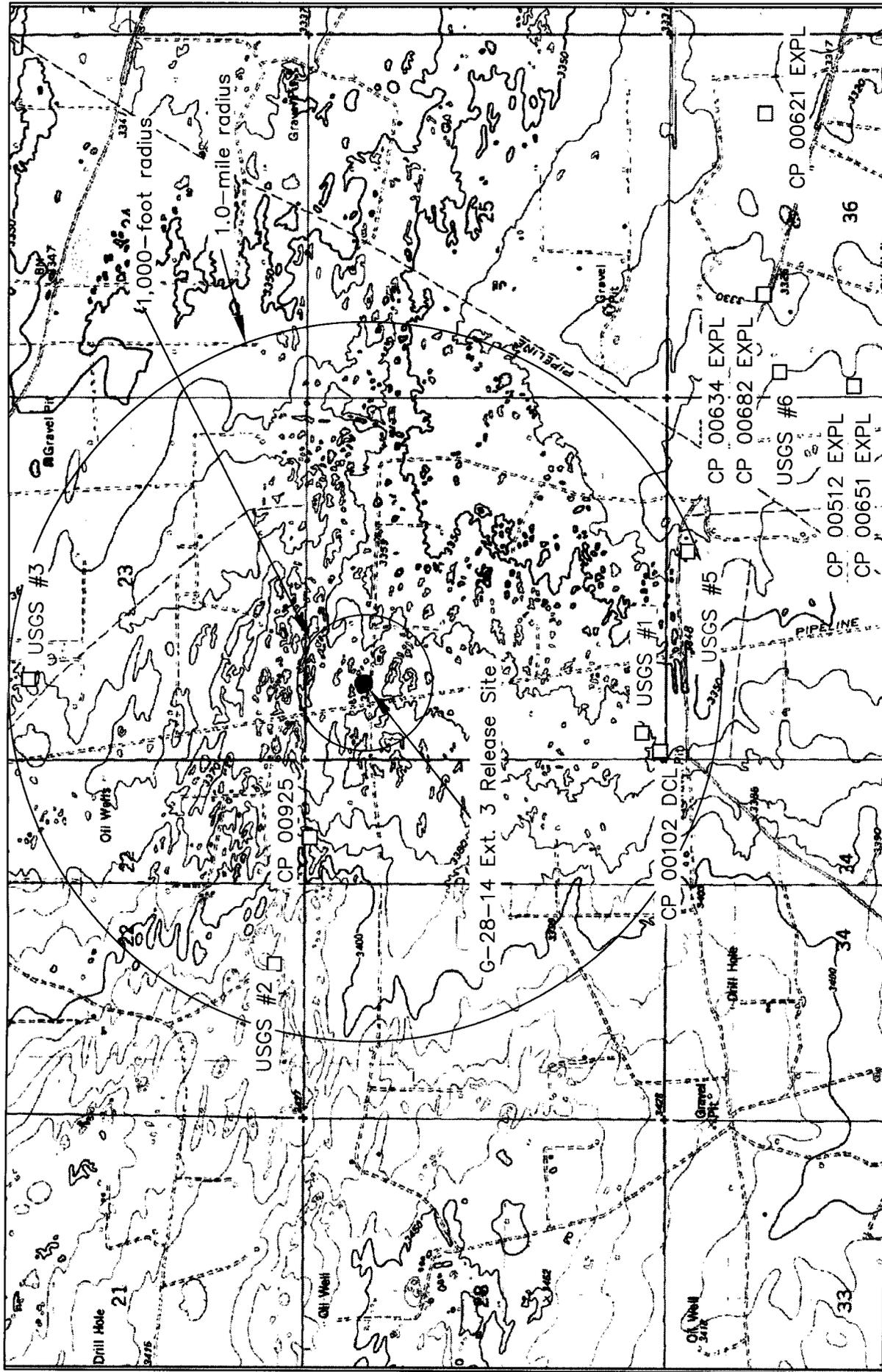
DWG By: Iain Olness  
April 2005

Lea County, New Mexico  
NW 1/4 of the NW 1/4, Sec. 26, T23S, R36E  
N 32° 16' 49.3" W 103° 14' 27.4"  
Elevation: 3,364 feet amsl

Figure 1  
Area Map  
Duke Energy Field Services  
G-28-14 Ext. 3

REVISED:





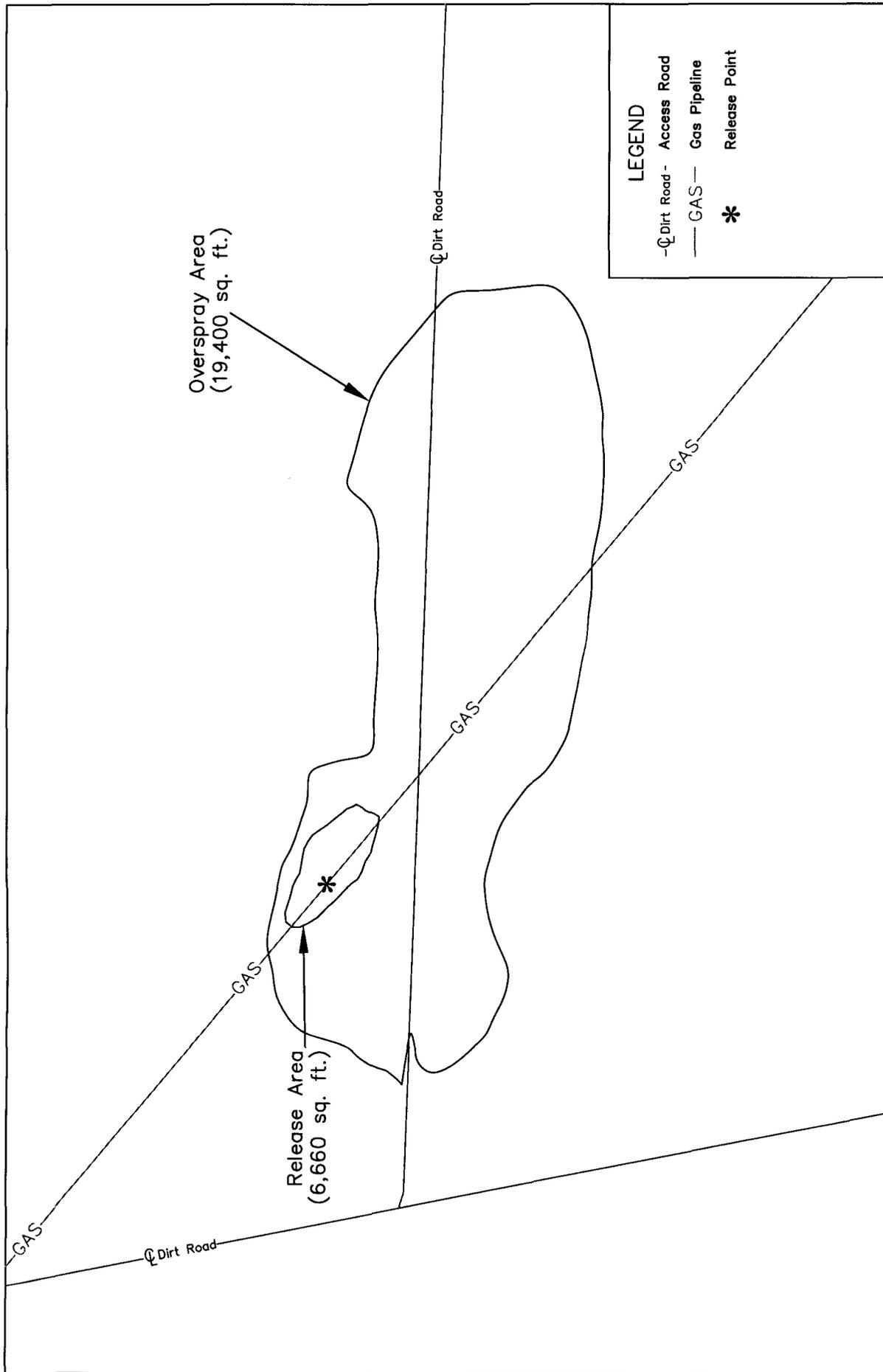
DWG By: Iain Olness  
 April 2005

REVISIONS:

0	2.0	4.0
Miles		SHEET
		1 of 1

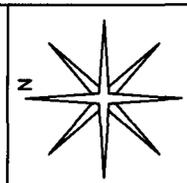
Lea County, New Mexico  
 NW 1/4 of the NW 1/4, Sec. 26, T23S, R36E  
 N 32° 16' 49.3" W 103° 14' 27.4"  
 Elevation: 3,364 feet amsl

Figure 2  
 Site and Well Location Map  
 Duke Energy Field Services  
 G-28-14 Ext. 3



**LEGEND**

- Dirt Road - Access Road
- GAS — Gas Pipeline
- \* Release Point



REVISED:  
Sept 2006

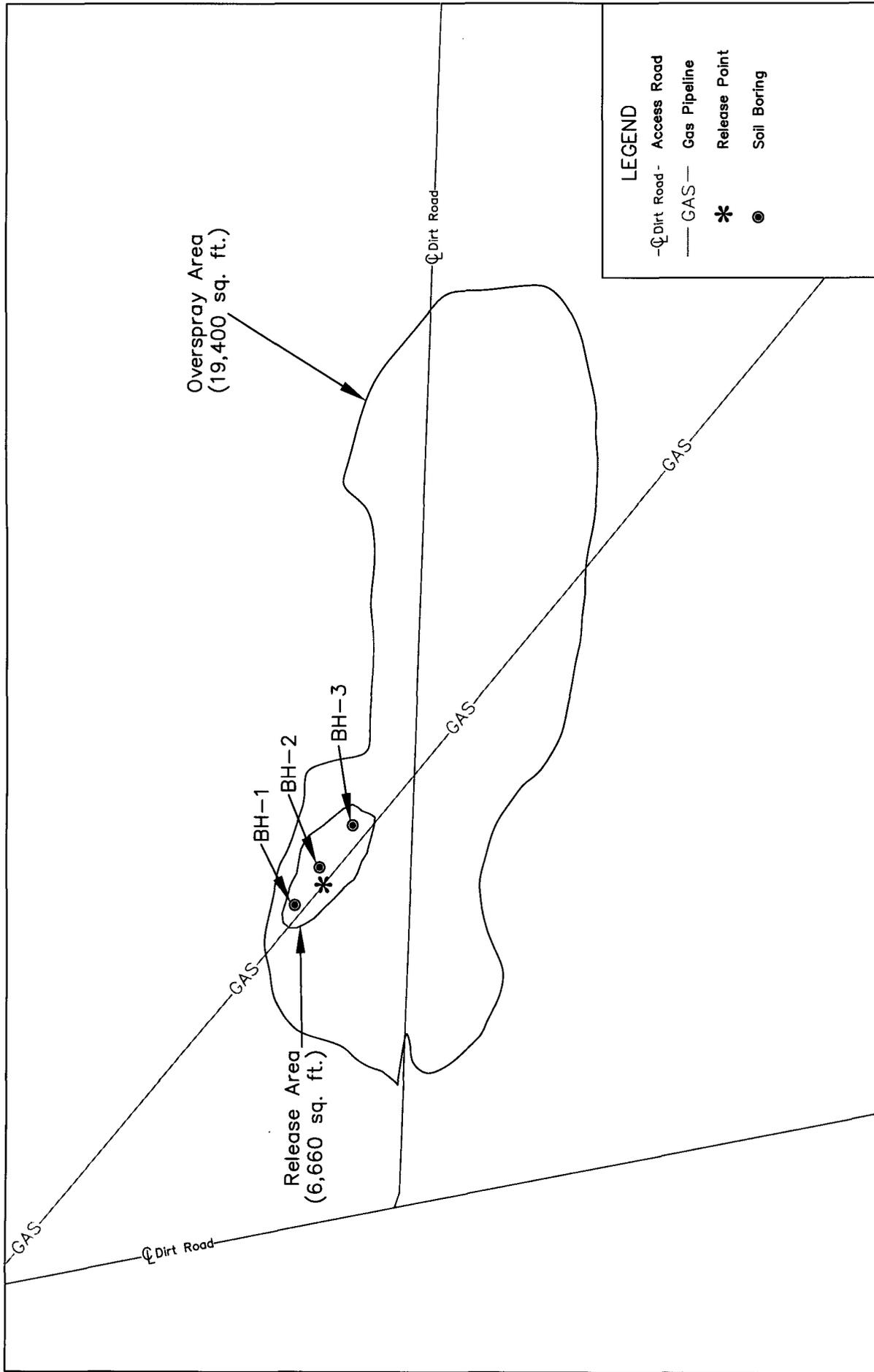
SHEET  
1 of 1

DWG By: Iain Olness  
April 2005

0 140 280  
Feet

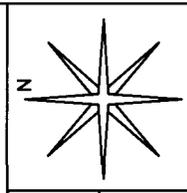
Lea County, New Mexico  
NW 1/4 of the NW 1/4, Sec. 26, T23S, R36E  
N 32° 16' 49.3" W 103° 14' 27.4"  
Elevation: 3,364 feet amsl

Figure 3  
Site Map  
Duke Energy Field Services  
G-28-14 Ext. 3



**LEGEND**

- Dirt Road - Access Road
- GAS --- Gas Pipeline
- \* Release Point
- Soil Boring



REVISED:  
Sept 2006

SHEET  
1 of 1

DWG By: Iain Olness  
April 2005

0 140 280  
Feet

Lea County, New Mexico  
NW 1/4 of the NW 1/4, Sec. 26, T23S, R36E  
N 32° 16' 49.3" W 103° 14' 27.4"  
Elevation: 3,364 feet amsl

Figure 4  
Soil Boring Location Map  
Duke Energy Field Services  
G-28-14 Ext. 3

TABLE 1

WELL INFORMATION REPORT\*

Duke Energy Field Services G-28-14 Ext. 3 (NMOCD 1RP# 1029; EPI Ref #130018)

Well Number	Diversion <sup>A</sup>	Owner	Use	Twsp	Rng	Sec	q	q	q	Latitude	Longitude	Date Measured	Surface Elevation <sup>B</sup>	Well Depth (ft bgs)	Depth to Water (ft bgs)
CP 00102 DCL	0	Deep Wells Ranch, Inc.	DOM	23 S	36 E	26	3	3	3	N 32° 16' 4.84"	W 103° 14' 38.3"		3,358		
USGS #1				23 S	36 E	26	3	3	3			28-Feb-96	3,362	1,820	140.9
CP 00925	141,14	Energen Resources, Inc.	SRO	23 S	36 E	22	4	4	4	N 32° 16' 57.18"	W 103° 14' 53.64"	20-Oct-04	3,390	400	400
USGS #2				23 S	36 E	22	3	4	4			1-Dec-53	3,415	188.57	188.57
USGS #3				23 S	36 E	23	1	1	4			17-Dec-70	3,370	141.23	141.23
USGS #4				23 S	36 E	23	2	2	1			17-Dec-70	3,355	132.39	132.39
USGS #5				23 S	36 E	35	2	1	1			28-Feb-96	3,335	122.43	122.43
CP 00497 EXPL	3	El Paso Natural Gas Company	EXP	23 S	36 E	36	4			N 32° 15' 12.37"	W 103° 13' 6.12"	18-Apr-71	3,337	246	133
CP 00512 EXPL	3	El Paso Natural Gas Company	EXP	23 S	36 E	36	1	3	4	N 32° 15' 38.59"	W 103° 13' 36.84"	1-Dec-72	3,337	264	128
CP 00621 EXPL	3	El Paso Natural Gas Company	EXP	23 S	36 E	36	2	2	3	N 32° 15' 51.58"	W 103° 12' 50.72"	8-Jul-08	3,326	245	127
CP 00634 EXPL	3	El Paso Natural Gas Company	EXP	23 S	36 E	36	1	2	1	N 32° 15' 51.64"	W 103° 13' 21.46"	15-Jun-81	3,332	260	125
CP 00651 EXPL	3	El Paso Natural Gas Company	IND	23 S	36 E	36	1	3	2	N 32° 15' 38.59"	W 103° 13' 36.84"	1-Jul-82	3,337	260	123
CP 00682 EXPL	3	El Paso Natural Gas Company	EXP	23 S	36 E	36	1	2	4	N 32° 15' 51.64"	W 103° 13' 21.46"		3,332		
USGS #6				23 S	36 E	36	1	3	1			20-Jan-76	3,330	122.58	122.58
USGS #7				23 S	36 E	36	3	1	4			22-Feb-96	3,335	120.92	120.92
USGS #8				23 S	36 E	36	3	4	1			17-Dec-70	3,335	136.21	136.21
USGS #9				23 S	36 E	36	3	4	2			20-Oct-65	3,325	142.17R	142.17R

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://waters.ose.state.nm.us:7001/iWATERS/wr\\_RegisServlet1](http://waters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)) and USGS Database. Shaded well information indicates well location shown on Figure 2

<sup>A</sup> = in acre feet per annum

<sup>B</sup> = Interpolated from USGS Topographical Map

DOM = Domestic One Household

SRO = Secondary recovery of oil

EXP = Exploration

IND = Industrial

R = The site had been pumped recently

(quarters are 1=NW, 2=NE, 3=SW, 4=SE)

(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

TABLE 2

Summary of Soil Boring Analytical Results

DEFS G-28-14 Ext 3 (NMOCD 1RP # 1029; EPI Ref. #130018)

Soil Sample ID	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
Soil Boring BH-1	5	01-Aug-05	In Situ	6.0	400	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	25.0
	10	01-Aug-05	In Situ	13.7	400	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	17.5
	15	01-Aug-05	In Situ	3.0	250	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	18.5
	20	01-Aug-05	In Situ	2.9	250	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	30.5
Soil Boring BH-2	5	01-Aug-05	In Situ	15.9	280	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	25.9
	10	01-Aug-05	In Situ	11.1	250	<0.0250	<0.0250	<0.0250	0.0575	0.0575	<10.0	<10.0	<10.0	82.8
	15	01-Aug-05	In Situ	4.2	250	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	21.0
Soil Boring BH-3	5	01-Aug-05	In Situ	3.5	250	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	19.1
	10	01-Aug-05	In Situ	27.5	250	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	83.4
	15	01-Aug-05	In Situ	1.5	250	<0.0250	<0.0250	<0.0250	<0.0500	<0.125	<10.0	<10.0	<10.0	23.2
<b>NMOCD Remedial Thresholds</b>														<b>250<sup>A</sup></b>
														<b>50</b>
														<b>10</b>
														<b>100</b>

*Bolded values are in excess of the NMOCD Remediation Thresholds and/or NMWQCC groundwater standards*

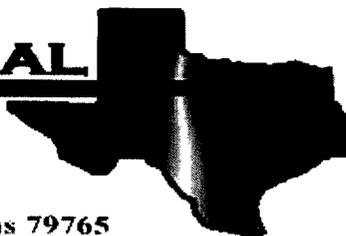
*<sup>A</sup> Chloride residuals may not be capable of impacting local groundwater above the NMWQCC standards of 250 mg/L.*

**APPENDICES**

**APPENDIX I**

**LABORATORY ANALYTICAL REPORTS**  
**AND**  
**CHAIN-OF-CUSTODY FORM**

**E** **NVIRONMENTAL**  
**LAB OF**



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)

Project Number: None Given

Location: UL-D, Sec. 26, T23S, R36E

Lab Order Number: 5H04005

Report Date: 08/11/05

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-1 (5') (5H04005-01) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		88.9 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.5 %		80-120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50508	08/05/05	08/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		86.2 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		117 %		70-130	"	"	"	"	
<b>BH-1 (10') (5H04005-02) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91.0 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.2 %		80-120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50508	08/05/05	08/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		87.0 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		122 %		70-130	"	"	"	"	
<b>BH-1 (15') (5H04005-03) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.9 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.3 %		80-120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50508	08/05/05	08/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-2 (10') (5H04005-06) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	<b>0.0575</b>	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		80.1 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.3 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50509	08/05/05	08/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		87.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		118 %	70-130		"	"	"	"	
<b>BH-2 (15') (5H04005-07) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		80.0 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.4 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50509	08/05/05	08/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		82.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		117 %	70-130		"	"	"	"	
<b>BH-3 (5') (5H04005-08) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		85.2 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.2 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50509	08/05/05	08/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-1 (5') (SH04005-01) Soil</b>									
Chloride	25.0	5.00	mg/kg	10	EH51009	08/09/05	08/09/05	EPA 300.0	
% Moisture	19.8	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-1 (10') (SH04005-02) Soil</b>									
Chloride	17.5	5.00	mg/kg	10	EH51009	08/09/05	08/09/05	EPA 300.0	
% Moisture	12.6	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-1 (15') (SH04005-03) Soil</b>									
Chloride	18.5	5.00	mg/kg	10	EH51009	08/09/05	08/09/05	EPA 300.0	
% Moisture	10.0	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-1 (20') (SH04005-04) Soil</b>									
Chloride	30.5	5.00	mg/kg	10	EH51009	08/09/05	08/09/05	EPA 300.0	
% Moisture	8.4	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-2 (5') (SH04005-05) Soil</b>									
Chloride	25.9	5.00	mg/kg	10	EH51009	08/09/05	08/09/05	EPA 300.0	
% Moisture	15.6	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-2 (10') (SH04005-06) Soil</b>									
Chloride	82.8	5.00	mg/kg	10	EH51009	08/09/05	08/09/05	EPA 300.0	
% Moisture	11.4	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-2 (15') (SH04005-07) Soil</b>									
Chloride	21.0	5.00	mg/kg	10	EH51010	08/10/05	08/10/05	EPA 300.0	
% Moisture	13.3	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-3 (5') (SH04005-08) Soil</b>									
Chloride	19.1	5.00	mg/kg	10	EH51010	08/10/05	08/10/05	EPA 300.0	
% Moisture	17.3	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 6 of 15

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC - Quality Control  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	-----------	-------------	-----	-----------	-------

**Batch EH50410 - EPA 5030C (GC)**

**Blank (EH50410-BLK1)**

Prepared: 08/04/05 Analyzed: 08/05/05

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	101		ug/kg	100		101	80-120			
Surrogate: 4-Bromofluorobenzene	83.4		"	100		83.4	80-120			

**LCS (EH50410-BS1)**

Prepared: 08/04/05 Analyzed: 08/05/05

Benzene	102		ug/kg	100		102	80-120			
Toluene	102		"	100		102	80-120			
Ethylbenzene	98.7		"	100		98.7	80-120			
Xylene (p/m)	197		"	200		98.5	80-120			
Xylene (o)	89.0		"	100		89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	93.4		"	100		93.4	80-120			
Surrogate: 4-Bromofluorobenzene	95.8		"	100		95.8	80-120			

**Calibration Check (EH50410-CCV1)**

Prepared: 08/04/05 Analyzed: 08/05/05

Benzene	94.5		ug/kg	100		94.5	80-120			
Toluene	93.8		"	100		93.8	80-120			
Ethylbenzene	87.4		"	100		87.4	80-120			
Xylene (p/m)	174		"	200		87.0	80-120			
Xylene (o)	82.9		"	100		82.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	84.7		"	100		84.7	0-200			
Surrogate: 4-Bromofluorobenzene	91.6		"	100		91.6	0-200			

**Matrix Spike (EH50410-MS1)**

Source: 5H04005-08

Prepared: 08/04/05 Analyzed: 08/05/05

Benzene	100		ug/kg	100	ND	100	80-120			
Toluene	103		"	100	ND	103	80-120			
Ethylbenzene	99.3		"	100	ND	99.3	80-120			
Xylene (p/m)	198		"	200	ND	99.0	80-120			
Xylene (o)	86.9		"	100	ND	86.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	89.3		"	100		89.3	80-120			
Surrogate: 4-Bromofluorobenzene	98.8		"	100		98.8	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EH50508 - Solvent Extraction (GC)**

**Matrix Spike (EH50508-MS1)**

Source: 5H04004-03

Prepared & Analyzed: 08/05/05

Gasoline Range Organics C6-C12	522	10.0	mg/kg dry	570	ND	91.6	75-125			
Diesel Range Organics >C12-C35	666	10.0	"	570	ND	117	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1140	ND	104	75-125			
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	63.6		"	50.0		127	70-130			

**Matrix Spike Dup (EH50508-MSD1)**

Source: 5H04004-03

Prepared & Analyzed: 08/05/05

Gasoline Range Organics C6-C12	475	10.0	mg/kg dry	570	ND	83.3	75-125	9.43	20	
Diesel Range Organics >C12-C35	659	10.0	"	570	ND	116	75-125	1.06	20	
Total Hydrocarbon C6-C35	1130	10.0	"	1140	ND	99.1	75-125	5.17	20	
Surrogate: 1-Chlorooctane	52.1		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	63.6		"	50.0		127	70-130			

**Batch EH50509 - Solvent Extraction (GC)**

**Blank (EH50509-BLK1)**

Prepared: 08/05/05 Analyzed: 08/06/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	41.2		mg/kg	50.0		82.4	70-130			
Surrogate: 1-Chlorooctadecane	57.4		"	50.0		115	70-130			

**LCS (EH50509-BS1)**

Prepared: 08/05/05 Analyzed: 08/06/05

Gasoline Range Organics C6-C12	400	10.0	mg/kg wet	500		80.0	75-125			
Diesel Range Organics >C12-C35	518	10.0	"	500		104	75-125			
Total Hydrocarbon C6-C35	918	10.0	"	1000		91.8	75-125			
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.6	70-130			
Surrogate: 1-Chlorooctadecane	60.3		"	50.0		121	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 15

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	-----------	-------	-----	-----------	-------

**Batch EH50808 - EPA 5030C (GC)**

**LCS (EH50808-BS1)**

Prepared: 08/07/05 Analyzed: 08/08/05

Benzene	94.6		ug/kg	100		94.6	80-120			
Toluene	96.8		"	100		96.8	80-120			
Ethylbenzene	94.6		"	100		94.6	80-120			
Xylene (p/m)	190		"	200		95.0	80-120			
Xylene (o)	86.9		"	100		86.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	91.6		"	100		91.6	80-120			
Surrogate: 4-Bromofluorobenzene	94.7		"	100		94.7	80-120			

**Calibration Check (EH50808-CCV1)**

Prepared: 08/07/05 Analyzed: 08/08/05

Benzene	101		ug/kg	100		101	80-120			
Toluene	96.5		"	100		96.5	80-120			
Ethylbenzene	87.4		"	100		87.4	80-120			
Xylene (p/m)	179		"	200		89.5	80-120			
Xylene (o)	80.5		"	100		80.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	91.9		"	100		91.9	0-200			
Surrogate: 4-Bromofluorobenzene	91.2		"	100		91.2	0-200			

**Matrix Spike (EH50808-MS1)**

Source: 5H04006-05

Prepared: 08/07/05 Analyzed: 08/08/05

Benzene	98.2		ug/kg	100	ND	98.2	80-120			
Toluene	96.0		"	100	ND	96.0	80-120			
Ethylbenzene	85.2		"	100	ND	85.2	80-120			
Xylene (p/m)	179		"	200	ND	89.5	80-120			
Xylene (o)	80.2		"	100	ND	80.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	87.4		"	100		87.4	80-120			
Surrogate: 4-Bromofluorobenzene	87.8		"	100		87.8	80-120			

**Matrix Spike Dup (EH50808-MSD1)**

Source: 5H04006-05

Prepared: 08/07/05 Analyzed: 08/08/05

Benzene	96.4		ug/kg	100	ND	96.4	80-120	1.85	20	
Toluene	98.9		"	100	ND	98.9	80-120	2.98	20	
Ethylbenzene	98.3		"	100	ND	98.3	80-120	14.3	20	
Xylene (p/m)	198		"	200	ND	99.0	80-120	10.1	20	
Xylene (o)	85.8		"	100	ND	85.8	80-120	6.75	20	
Surrogate: a,a,a-Trifluorotoluene	93.6		"	100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	93.4		"	100		93.4	80-120			

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 12 of 15

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EH50501 - General Preparation (Prep)**

**Blank (EH50501-BLK1)** Prepared: 08/04/05 Analyzed: 08/05/05

% Moisture	ND	0.1	%							
------------	----	-----	---	--	--	--	--	--	--	--

**Duplicate (EH50501-DUP1)** Source: 5H03008-01 Prepared: 08/04/05 Analyzed: 08/05/05

% Moisture	4.7	0.1	%		5.1			8.16	20	
------------	-----	-----	---	--	-----	--	--	------	----	--

**Batch EH51009 - Water Extraction**

**Blank (EH51009-BLK1)** Prepared & Analyzed: 08/09/05

Chloride	ND	0.500	mg/kg							
----------	----	-------	-------	--	--	--	--	--	--	--

**LCS (EH51009-BS1)** Prepared & Analyzed: 08/09/05

Chloride	10.3		mg/L	10.0		103	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

**Calibration Check (EH51009-CCV1)** Prepared & Analyzed: 08/09/05

Chloride	10.6		mg/L	10.0		106	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

**Duplicate (EH51009-DUP1)** Source: 5H04004-01 Prepared & Analyzed: 08/09/05

Chloride	606	5.00	mg/kg		613			1.15	20	
----------	-----	------	-------	--	-----	--	--	------	----	--

**Batch EH51010 - Water Extraction**

**Blank (EH51010-BLK1)** Prepared & Analyzed: 08/10/05

Chloride	ND	0.500	mg/kg							
----------	----	-------	-------	--	--	--	--	--	--	--

**LCS (EH51010-BS1)** Prepared & Analyzed: 08/10/05

Chloride	10.5		mg/L	10.0		105	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EH50509 - Solvent Extraction (GC)**

**Calibration Check (EH50509-CCV1)**

Prepared: 08/05/05 Analyzed: 08/06/05

Gasoline Range Organics C6-C12	451		mg/kg	500		90.2	80-120			
Diesel Range Organics >C12-C35	465		"	500		93.0	80-120			
Total Hydrocarbon C6-C35	916		"	1000		91.6	80-120			
Surrogate: 1-Chlorooctane	49.5		"	50.0		99.0	0-200			
Surrogate: 1-Chlorooctadecane	64.5		"	50.0		129	0-200			

**Matrix Spike (EH50509-MS1)**

Source: 5H04005-06

Prepared: 08/05/05 Analyzed: 08/06/05

Gasoline Range Organics C6-C12	489	10.0	mg/kg dry	564	ND	86.7	75-125			
Diesel Range Organics >C12-C35	633	10.0	"	564	ND	112	75-125			
Total Hydrocarbon C6-C35	1120	10.0	"	1130	ND	99.1	75-125			
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0		100	70-130			
Surrogate: 1-Chlorooctadecane	60.7		"	50.0		121	70-130			

**Matrix Spike Dup (EH50509-MSD1)**

Source: 5H04005-06

Prepared: 08/05/05 Analyzed: 08/06/05

Gasoline Range Organics C6-C12	469	10.0	mg/kg dry	564	ND	83.2	75-125	4.18	20	
Diesel Range Organics >C12-C35	636	10.0	"	564	ND	113	75-125	0.473	20	
Total Hydrocarbon C6-C35	1110	10.0	"	1130	ND	98.2	75-125	0.897	20	
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	61.0		"	50.0		122	70-130			

**Batch EH50808 - EPA 5030C (GC)**

**Blank (EH50808-BLK1)**

Prepared: 08/07/05 Analyzed: 08/08/05

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	88.4		ug/kg	100		88.4	80-120			
Surrogate: 4-Bromofluorobenzene	83.8		"	100		83.8	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 15

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EH50410 - EPA 5030C (GC)**

**Matrix Spike Dup (EH50410-MSD1)**

Source: 5H04005-08

Prepared: 08/04/05 Analyzed: 08/05/05

Benzene	97.5		ug/kg	100	ND	97.5	80-120	2.53	20	
Toluene	98.4		"	100	ND	98.4	80-120	4.57	20	
Ethylbenzene	95.4		"	100	ND	95.4	80-120	4.01	20	
Xylene (p/m)	192		"	200	ND	96.0	80-120	3.08	20	
Xylene (o)	84.4		"	100	ND	84.4	80-120	2.92	20	
Surrogate: a,a,a-Trifluorotoluene	87.5		"	100		87.5	80-120			
Surrogate: 4-Bromofluorobenzene	96.9		"	100		96.9	80-120			

**Batch EH50508 - Solvent Extraction (GC)**

**Blank (EH50508-BLK1)**

Prepared & Analyzed: 08/05/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	41.6		mg/kg	50.0		83.2	70-130			
Surrogate: 1-Chlorooctadecane	56.5		"	50.0		113	70-130			

**LCS (EH50508-BS1)**

Prepared & Analyzed: 08/05/05

Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125			
Diesel Range Organics >C12-C35	532	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	946	10.0	"	1000		94.6	75-125			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	58.9		"	50.0		118	70-130			

**Calibration Check (EH50508-CCV1)**

Prepared: 08/05/05 Analyzed: 08/06/05

Gasoline Range Organics C6-C12	459		mg/kg	500		91.8	80-120			
Diesel Range Organics >C12-C35	574		"	500		115	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	50.9		"	50.0		102	0-200			
Surrogate: 1-Chlorooctadecane	62.6		"	50.0		125	0-200			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 15

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-3 (10') (5H04005-09) Soil</b>									
Chloride	83.4	5.00	mg/kg	10	EH51010	08/10/05	08/10/05	EPA 300.0	
% Moisture	9.9	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	
<b>BH-3 (15') (5H04005-10) Soil</b>									
Chloride	23.2	5.00	mg/kg	10	EH51010	08/10/05	08/10/05	EPA 300.0	
% Moisture	12.3	0.1	%	1	EH50501	08/04/05	08/05/05	% calculation	

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-3 (5') (5H04005-08) Soil</b>									
Surrogate: 1-Chlorooctane		81.4 %	70-130		EH50509	08/05/05	08/06/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		109 %	70-130		"	"	"	"	
<b>BH-3 (10') (5H04005-09) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50808	08/07/05	08/07/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.4 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.9 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50509	08/05/05	08/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		79.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		107 %	70-130		"	"	"	"	
<b>BH-3 (15') (5H04005-10) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50808	08/07/05	08/08/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		85.7 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50509	08/05/05	08/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-130		"	"	"	"	

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-1 (15') (5H04005-03) Soil</b>									
Surrogate: 1-Chlorooctane		84.2 %	70-130		EH50508	08/05/05	08/05/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		118 %	70-130		"	"	"	"	
<b>BH-1 (20') (5H04005-04) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.7 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50508	08/05/05	08/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-130		"	"	"	"	
<b>BH-2 (5') (5H04005-05) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EH50410	08/04/05	08/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH50508	08/05/05	08/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		115 %	70-130		"	"	"	"	

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 (5')	5H04005-01	Soil	08/01/05 08:20	08/04/05 12:52
BH-1 (10')	5H04005-02	Soil	08/01/05 08:50	08/04/05 12:52
BH-1 (15')	5H04005-03	Soil	08/01/05 09:17	08/04/05 12:52
BH-1 (20')	5H04005-04	Soil	08/01/05 09:57	08/04/05 12:52
BH-2 (5')	5H04005-05	Soil	08/01/05 12:10	08/04/05 12:52
BH-2 (10')	5H04005-06	Soil	08/01/05 12:30	08/04/05 12:52
BH-2 (15')	5H04005-07	Soil	08/01/05 13:10	08/04/05 12:52
BH-3 (5')	5H04005-08	Soil	08/01/05 13:55	08/04/05 12:52
BH-3 (10')	5H04005-09	Soil	08/01/05 14:25	08/04/05 12:52
BH-3 (15')	5H04005-10	Soil	08/01/05 14:58	08/04/05 12:52

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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EH51010 - Water Extraction**

**Calibration Check (EH51010-CCV1)**

Prepared & Analyzed: 08/10/05

Chloride 10.8 mg/L 10.0 108 80-120

**Duplicate (EH51010-DUP1)**

Source: 5H04006-09

Prepared & Analyzed: 08/10/05

Chloride 43700 5000 mg/kg 47800 8.96 20



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

Project: Duke Energy- G-28-14 Ext. 3 (Ref. #130018)  
Project Number: None Given  
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:  
08/11/05 15:59

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By: \_\_\_\_\_

*Raland K Tuttle*

Date: 8/11/2005

Raland K. Tuttle, Lab Manager  
Coley D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

**Environmental Lab of Texas  
Variance / Corrective Action Report – Sample Log-In**

Client: EPI  
 Date/Time: 8/4/05 12:52  
 Order #: SH04005  
 Initials: CR

**Sample Receipt Checklist**

	Yes	No	
Temperature of container/cooler?			0.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding:  
 \_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**APPENDIX II**

**PROJECT PHOTOGRAPHS**



*Photo #1:* Looking westerly at overspray and release area. Dark stained soil indicates NGL contamination.



*Photo #2:* Looking northwesterly at point of release, failed section of line is being replaced.



*Photo #3:* Looking northwesterly at overspray and release area.



*Photo #4:* Looking easterly across release area.

**APPENDIX III**  
**SOIL BORING LOG**

Log Of Test Borings

(NOTE - Page 1 of 1)



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

Project Number: 130018

Project Name: Duke-G-28-14 Ext 3

Location: UL-C, Section 26, Township 23 South, Range 36 East

Boring Number: SB-1

Surface Elevation: 3,364-feet amsl

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
								Start Date: 8-1-05 Time: 0820
								Completion Date: 8-1-05 Time: 1000
0820			no	6.0	400		5	5'
0850			no	13.7	400		10	10'
0917			no	3.0	250		15	15'
0957			no	2.9	250		20	20'
								End of Soil Boring at 20' bgs

Water Level Measurements (feet)

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

Drilling Method: Auger Trailer

Backfill Method: Bentonite

Field Representative: G/B

Log Of Test Borings

(NOTE - Page 1 of 1)



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

Project Number: 130018

Project Name: Duke-G-28-14 Ext 3

Location: UL-C, Section 26, Township 23 South, Range 36 East

Boring Number: SB-2

Surface Elevation: 3,364-feet amsl

Time	Sample Type	Recovery (inches)	Moisture	PTD Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
								Start Date: 8-1-05 Time: 0820 Completion Date: 8-1-05 Time: 1500
1210			no	15.9	280		5	5'
1230			no	11.1	250		10	10'
1310			no	4.2	250		15	15' End of Soil Boring at 15' bgs
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Drilling Method
-	-	-	-	-	-	Auger Trailer
-	-	-	-	-	-	Backfill Method: Bentonite
-	-	-	-	-	-	Field Representative: G/B

Log Of Test Borings

(NOTE - Page 1 of 1)



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

Project Number: 130018  
Project Name: Duke-G-28-14 Ext3  
Location: UL-C, Section 26, Township 23 South, Range 36 East  
Boring Number: SB-3 Surface Elevation: 3,364-feet amsl

Time	Sample Type	Recovery (Inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1430			no	3.5	250		5	5'
1500			no	27.5	250		10	10'
1525			no	1.5	250		15	15' End of Soil Boring at 15' bgs

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-In Depth	Water Level	Drilling Method
-	-	-	-	-	-	Auger Trailer
-	-	-	-	-	-	Backfill Method: Bentonite
-	-	-	-	-	-	Field Representative: G/B

**APPENDIX IV**  
**INFORMATIONAL COPY OF INITIAL**  
**NMOCD C-141 FORM**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

<b>Name of Company:</b> Duke Energy Field Services	<b>Contact:</b> Mark Owens
<b>Address:</b> 1625 West Marland, Hobbs, NM 88240	<b>Telephone No.:</b> (505) 397-5541
<b>Facility Name:</b> G-28-14 Ext. 3	<b>Facility Type:</b> 6" Marlex Line

<b>Surface Owner:</b> Deep Wells Ranch	<b>Mineral Owner:</b> Federal	<b>Lease No.:</b>
--	-------------------------------	-------------------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	26	23 S	36 E					Lea

**Latitude:** N 32° 16' 49.349" **Longitude:** W 103° 14' 27.415"

**NATURE OF RELEASE**

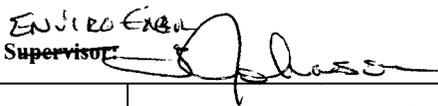
WTR > 100'

<b>Type of Release:</b> Natural Gas Pipeline Fluids	<b>Volume of Release:</b> 12 barrels	<b>Volume Recovered:</b> 10 barrels
<b>Source of Release:</b> 6" Marlex pipeline operating at 18-20 lbs with a normal daily flow rate of 20-30 mcf	<b>Date and Hour of Occurrence:</b> 27 March 2005	<b>Date and Hour of Discovery:</b> 27 March 2005
<b>Was Immediate Notice Given?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	<b>If YES, To Whom?</b> Gary Wink, NMOCD	
<b>By Whom?</b> Lynn Ward	<b>Date and Hour:</b> 27 March 2005 @1407 hrs	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse.</b>	
<b>If a Watercourse was Impacted, Describe Fully.*</b> Not Applicable		

**Describe Cause of Problem and Remedial Action Taken.\***  
6" Marlex line began leaking, due to a weld failure. A line clamp was installed and the section replaced.

**Describe Area Affected and Cleanup Action Taken.\*** The affected area consists of approximately 6,660 square feet of pasture land owned by Deep Wells Ranch. The section with the failed weld has been replaced.

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

<b>Signature:</b>		<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Mark Owens		<b>Approved by District Supervisor:</b> 	
<b>Title:</b> Construction Maintenance Supervisor		<b>Approval Date:</b> 5.23.07	<b>Expiration Date:</b> 7.23.07
<b>E-mail Address:</b> mrowens@duke-energy.com		<b>Conditions of Approval:</b> SIGNED SUBMIT FINAL C-141	
<b>Date:</b> <b>Phone:</b>		<b>Attached</b> <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

W/ CLOSURE