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INSTALL CAP & BACKFILL

16 September 2005

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

RE: Closure Proposal for Duke Energy Field Services G-28-24 Release Site (Ref. #130015)
UL-A (NE¼ of the NE¼) of Section 2, Township 23 South, Range 36 East
Latitude N 32° 20' 25.042" and Longitude W 103° 13' 40.062"

Dear Mr. Johnson:

On January 23, 2005, a release of approximately 15 barrels of natural gas liquids (NGL) occurred, of which 10 barrels were recovered, as a result of a line leak at the above-referenced site. DEFS retained Environmental Plus, Inc. (EPI) in February 2005 to delineate the extent of impacted soil at the site (for further information on delineation activities, please reference DEFS G-28-24 April 5, 2005 Letter Report). After delineation activities were completed, excavation of hydrocarbon impacted soil began. This letter report documents the results of the excavation activities and recommends how to proceed with the remediation of the impacted soil.

Site Background

The site is located in the NE¼ of the NE¼ of Section 15, Township 19 South, Range 34 East at an elevation of approximately 3,447 feet above mean sea level (reference *Figures 1 and 2*). The property is owned by the State of New Mexico and administered by the New Mexico State Land Office. A search for area water wells was completed utilizing the *New Mexico Office of the State Engineers* website and a database maintained by the United States Geological Survey (USGS). Due to the lack of wells located in the vicinity of the release site, the search for wells included all of Township 22 South, Range 36 East and all of Township 23 South, Range 36 East. A total of 45 wells were recorded in the databases searched and the average depth to water for these wells was reported to be approximately 177 feet bgs, with recorded levels ranging from 22 feet bgs to 702 feet bgs. No water supply wells or bodies of surface water were found to be located within a 1,000-foot radius of the release location (reference *Figure 2*). Based on this information, it was determined that the distance between the contamination and groundwater was >100 feet. Utilizing this information, it was determined that the New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this site are as follows:

CONTAM (2)

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	5,000 parts per million

***Chloride and Sulfate residuals may not be capable of impacting groundwater above NMWQCC of 250 mg/L and 650 mg/L, respectively*

Field Work

Excavation of NGL-impacted soil began on July 6, 2005. The eastern portion of the release site was excavated to five-feet bgs, with excavated impacted soil stockpiled on site. On July 7, 2005, soil samples were collected from the excavation floor and benches, and submitted to an independent laboratory for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX), total petroleum hydrocarbons (TPH) and chloride. On July 12, 2005, soil samples were collected from the northeast and southeast sidewalls. A portion of each sample was analyzed in the field for the presence of organic vapors. The remaining portion of each sample was submitted for laboratory quantification of BTEX constituents, TPH and chlorides. On July 19, 2005, soil samples were collected from the north, south and west sidewalls (reference *Figure 5*). A portion of each sample was analyzed in the field for the presence of organic vapors. The remaining portion of each sample was submitted for laboratory quantification of BTEX constituents, TPH and chloride. Field analyses indicated organic vapor concentrations ranged from 2 to 35.6 mg/Kg. Laboratory results confirmed NGL-impacted soil had been removed from the eastern portion of the release site (reference *Table 1*).

The western portion of the release site was excavated to five-feet bgs, whereupon NGL-impacted soil from historical releases was discovered to extend below previously delineated limits. Visually delineated excavation continued to 14-feet bgs. Soil samples were collected from the excavation floor and analyzed in the field for the presence of organic vapors utilizing a calibrated MiniRae® photoionozation detector (PID) equipped with a 9.8 electron-volt (eV) lamp. Field analyses indicated that organic vapor concentrations were in excess of 450 parts per million (ppm). Soil samples collected from a test hole dug to 19.5-feet bgs and analyzed in the field indicated organic vapor concentrations were still in excess of 450 ppm. On July 13, 2005, the test hole was extended to 26-feet bgs where soil samples were collected from the north side and bottom and submitted for laboratory analyses. Analytical results indicated TPH concentrations were in excess of remedial goals. On July 21, 2005, the test hole was extended to 30-feet bgs and soil samples were collected and submitted for laboratory analyses.

On August 9, 2005, a soil boring was advanced to a depth of 55-feet bgs to determine vertical extents of impacted soil remaining. Soil samples were collected at 35, 40, 45, 50, 55-feet bgs (reference *Figure 4*). A portion of each sample collected at 35, 40 and 45-feet bgs was placed in a self-sealing polyethylene bag and analyzed for the presence of organic vapors utilizing a PID equipped with a 9.8 electron-volt (eV) lamp. Field analyses indicated organic vapor concentrations were in excess of 300 ppm. The remaining portion of soil samples collected from 35 and 45 feet, and the samples from 50 and 55 feet were submitted for laboratory quantification of TPH, BTEX constituents and chloride.

On July 18-21, 2005, the excavated, stockpiled soil was separated into three cells (A, B and C) and blended with clean soil obtained from the surrounding area. Soil samples were collected from blending cells A (Blending Pile A) and B (Blending Pile B) on July 19, 2005. A portion of each sample was analyzed in the field for the presence of organic vapors. The remaining portion of each sample was submitted for laboratory quantification of TPH, BTEX constituents and chloride. PID field analyses indicated organic vapor concentrations in blending cell A were 305 mg/Kg, and blending cell B were 332 mg/Kg. On August 11, 2005, three composite soil samples were collected from blending cell C (Blending Pile C #1, #2 and #3) and analyzed in the field for the presence of

organic vapors. PID field analyses indicated organic vapor concentrations ranged from 40.8 to 55.4 mg/Kg (reference *Table 2* and *Figure 4*).

Upon completion of blending activities, the eastern excavation was backfilled with blended soil and contoured to allow natural drainage.

East Excavation Analytical Data

Analytical results for the soil samples collected from the east excavation indicated that benzene, total BTEX and total TPH concentrations were below NMOCD remedial thresholds. Reported chloride concentrations were below NMWQCC chloride standards for groundwater of 250 mg/L (reference *Table A*, *Table 1* and *Figure 5*).

TABLE A-East Excavation Soil Sample Analyses Summary

Soil Sample I.D.	Sample Depth	Sample Date	PID Reading	Field Chloride	Benzene	Total BTEX	Total TPH	Chloride[1]
			(ppm)		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
EE N-Bottom	6	07-Jul-05	NA	NA	<0.025	<0.125	35.6	17.3
EE N-Bench	4	07-Jul-05	NA	400	<0.025	0.160	316	16.7
EE S-Bottom	6	07-Jul-05	NA	NA	<0.025	<0.125	55.8	30.7
EE S-Bench	4	07-Jul-05	NA	400	<0.025	<0.125	<20.0	21.1
EE NE Sidewall	4	12-Jul-05	14.6	NA	<0.005	<0.030	118	80
EE SE Sidewall	4	12-Jul-05	21.9	NA	<0.005	<0.030	26.5	48
EE N. SIDEWALL (5')	5	19-Jul-05	2	400	<0.005	<0.030	<20.0	96
EE S. SIDEWALL (5')	5	19-Jul-05	35.6	400	<0.005	<0.030	483	64
EE W. SIDEWALL (5')	5	19-Jul-05	2	400	<0.005	<0.030	68.0	64
NMOCD Remedial Thresholds			**100**		**10**	**50**	**5,000**	**250**

[1] *Chloride residuals may not be capable of impacting local groundwater above the NMWQCC standard of 250 mg/L.*

Bolded values are in excess of NMOCD remedial thresholds.

NA= Not Analyzed

West Excavation Analytical Data

Analytical results of the soil samples collected from the sidewalls on July 26, 2005 indicated TPH and BTEX concentrations were below NMOCD remedial thresholds. Laboratory analyses of the excavation floor indicated that TPH and BTEX concentrations remained above NMOCD remedial thresholds. Analytical results from the test hole and soil boring (SB-1) indicated that contamination exists to a depth of approximately 40–feet bgs. Field PID analyses of composite soil samples collected from the blending cells indicate that TPH and BTEX concentrations were below NMOCD remedial thresholds. Chloride concentrations for all samples were below the NMWQCC chloride standards for groundwater of 250 mg/L (reference *Table B and Table 2* and *Figure 4*).

TABLE B- West Excavation Soil Sample Analyses Summary

Soil Sample I.D.	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Field Chloride	Benzene (mg/Kg)	Total BTEX (mg/Kg)	Total TPH (mg/Kg)	Chloride[1] (mg/Kg)
WE N@23'BGS	23	13-Jul-05	NA	NA	2.05	**174**	**12,900**	64
WE N-BOTTOM (26')	26	13-Jul-05	NA	NA	2.11	**99**	**7,660**	64
WE-BOTTOM (30')	30	21-Jul-05	NA	NA	**10.4**	**182**	**12,200**	14.9
WENSW 15'	15	26-Jul-05	0.4	NA	0.006	0.006	<20.0	64
WEESW 15'	15	26-Jul-05	0.3	NA	<0.005	<0.03	<20.0	224
WEWSW 15'	15	26-Jul-05	0.2	NA	<0.005	<0.03	<20.0	64
WESSW 15'	15	26-Jul-05	0.0	NA	<0.005	<0.03	34.9	128
WENSW 26'	26	26-Jul-05	7.0	NA	<0.005	<0.03	<20.0	80
WEESW 26'	26	26-Jul-05	2.2	NA	<0.005	<0.03	<20.0	48
WEWSW 26'	26	26-Jul-05	0.5	NA	<0.005	<0.03	11	80
WESSW 26'	26	26-Jul-05	0.8	NA	<0.005	<0.03	<20.0	80
WEBH 31'	31	26-Jul-05	325	NA	0.937	**111**	**12,500**	64
Soil Boring SB-1	35	09-Aug-05	334	NA	1.55	**105**	**13,100**	32
	40	09-Aug-05	333	NA	NA	NA	NA	NA
	45	09-Aug-05	67	NA	<0.005	0.055	202	96
	50	09-Aug-05	3.6	NA	<0.005	<0.03	30.4	64
	55	09-Aug-05	1.8	NA	<0.005	<0.03	24.3	80
Blending Pile A	Comp.	19-Jul-05	305	400	<0.005	<0.03	1,230	80
Blending Pile B	Comp.	19-Jul-05	332	400	<0.005	0.243	3,120	64
Blending Pile C #1	Comp.	11-Aug-05	40.8	NA	NA	NA	NA	NA
Blending Pile C #2	Comp.	11-Aug-05	55.4	NA	NA	NA	NA	NA
Blending Pile C #3	Comp.	11-Aug-05	41.1	NA	NA	NA	NA	NA
NMOCD Remedial Thresholds			**100**		**10**	**50**	**5,000**	**250**

[1] *Chloride residuals may not be capable of impacting local groundwater above the NMWQCC standard of 250 mg/L.*

Bolded values are in excess of NMOCD remedial thresholds.

NA= Not Analyzed

DID NOT GO TO CLEAN - WHY

WHY THIS MISSING?

Conclusions

Based on field and analytical analyses, NGL impacted soil above NMOCD remedial thresholds has been successfully removed from the eastern excavation and the sidewalls of the western excavation. However, soil impacted above the NMOCD remedial thresholds remains to a depth of approximately 40-feet bgs in the west excavation (reference *Table 2*). The excavated NGL impacted soil has been successfully blended below NMOCD remedial thresholds (reference *Table 2*).

Chloride concentrations were reported below the NMWQCC standards for groundwater in all samples collected during delineation. Due to the fact that reported chloride levels were below the NMWQCC chloride standards for groundwater, groundwater should not be impacted by chloride.

Recommendations

Based on field and analytical results, contamination appears to be limited to the area currently excavated. It is recommended that a 500 square foot, two-foot thick compacted clay layer be installed at 23 to 25-feet bgs in the west excavation to isolate remaining hydrocarbons. Installation

shall be accomplished in six-inch lifts extending, with independent laboratory verification of proper compaction for every two lifts (reference *Figure 4*). Upon laboratory verification of proper compaction, the western excavation shall be backfilled with blended soil and contoured to allow natural drainage. At that time, the east and west excavations will be seeded with a native range type grass.

Should you have any questions or concerns, please feel free to contact me at (505) 394-3481 or via e-mail at iolness@envplus.com. Upon your approval, EPI will initiate the next phase of the remediation. All official correspondence should be submitted to Polo Rendon at:

Polo Rendon
Duke Energy Field Services
1625 West Marland
Hobbs, NM 88240
(505) 391-5705
psrendon@duke-energy.com

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain A. Olness, P.G.
Hydrogeologist

cc: Polo Rendon, DEFS – Hobbs, NM
Steve Weathers, DEFS – Denver, CO
Mark Owens, DEFS – Hobbs, NM
Lynn Ward, DEFS – Midland, TX
Cody Morrow- NMSLO – Sante Fe, NM
File

encl. Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Excavation Site Map
Figure 4 – Western Excavation Site Map
Figure 5 – Eastern Excavation Site Map
Table 1 – Summary of East Excavation Soil Sample Field Analyses and Laboratory Analytical Results
Table 2 – Summary of West Excavation Soil Sample Field Analyses and Laboratory Analytical Results
Table 3 – Well Information Report
Attachment I – Laboratory Results and Chain-of-Custody Form
Attachment II – Copy of Initial C-141
Attachment III – Site Photographs

FIGURES

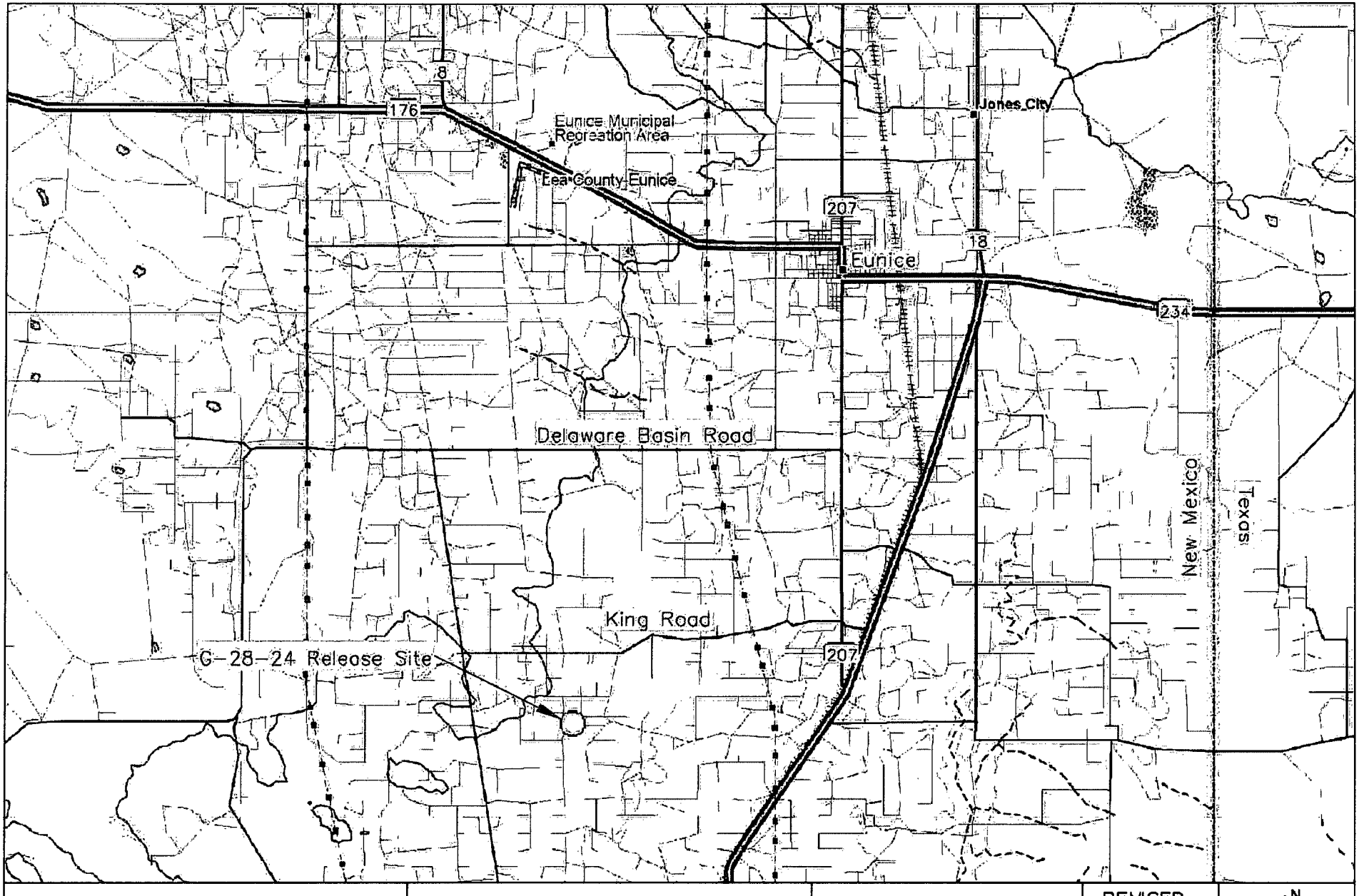

Figure 1 Area Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Iain Olness February 2005	REVISED:
		0 2.0 4.0 Miles	SHEET 1 of 1
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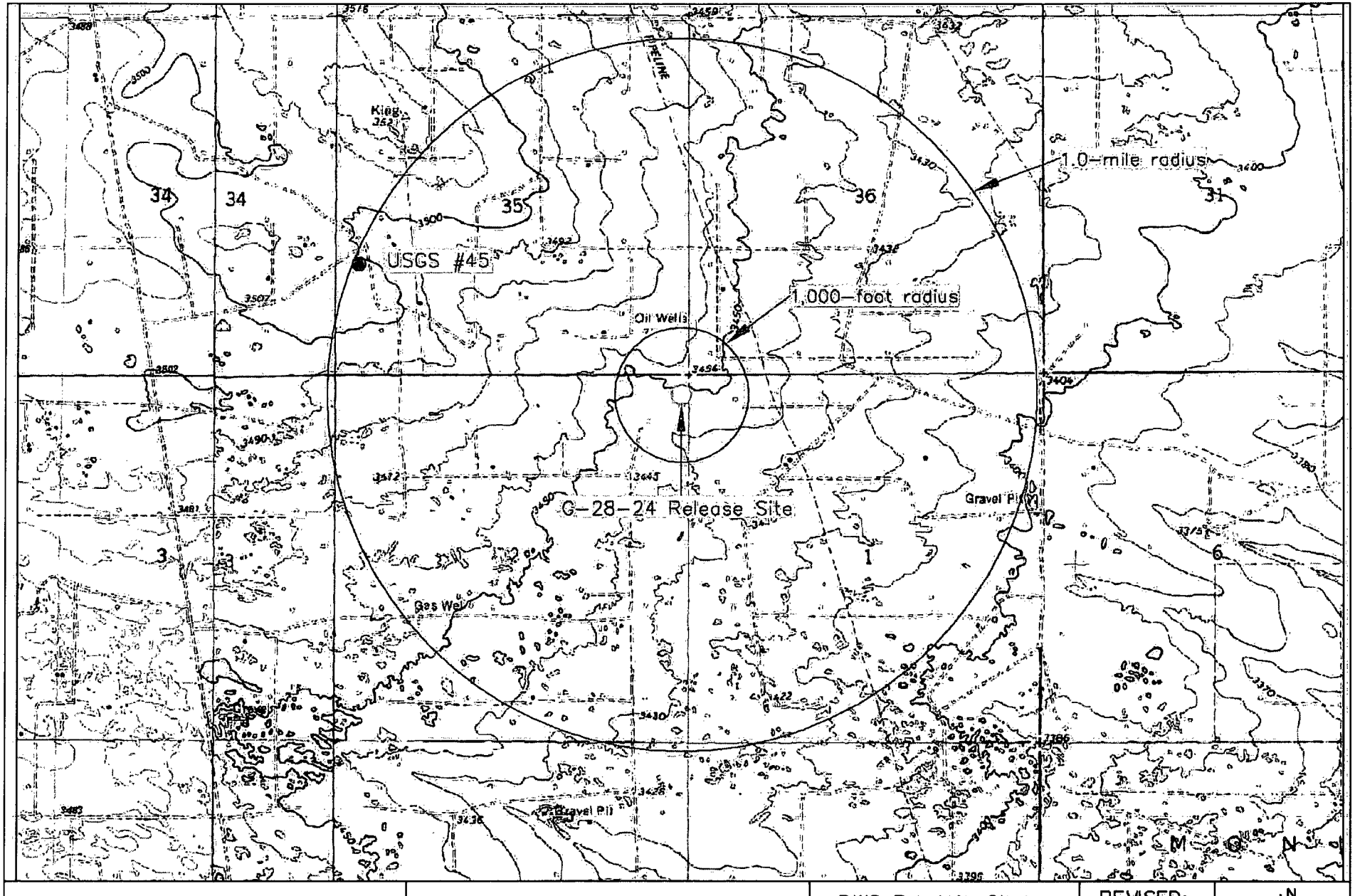

Figure 2
Site and Well Location Map
Duke Energy Field Services
G-28-24

Lea County, New Mexico
NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E
N 32° 20' 25.0" W 103° 13' 40.0"
Elevation: 3,447 feet amsl

DWG By: Iain Olness
February 2005

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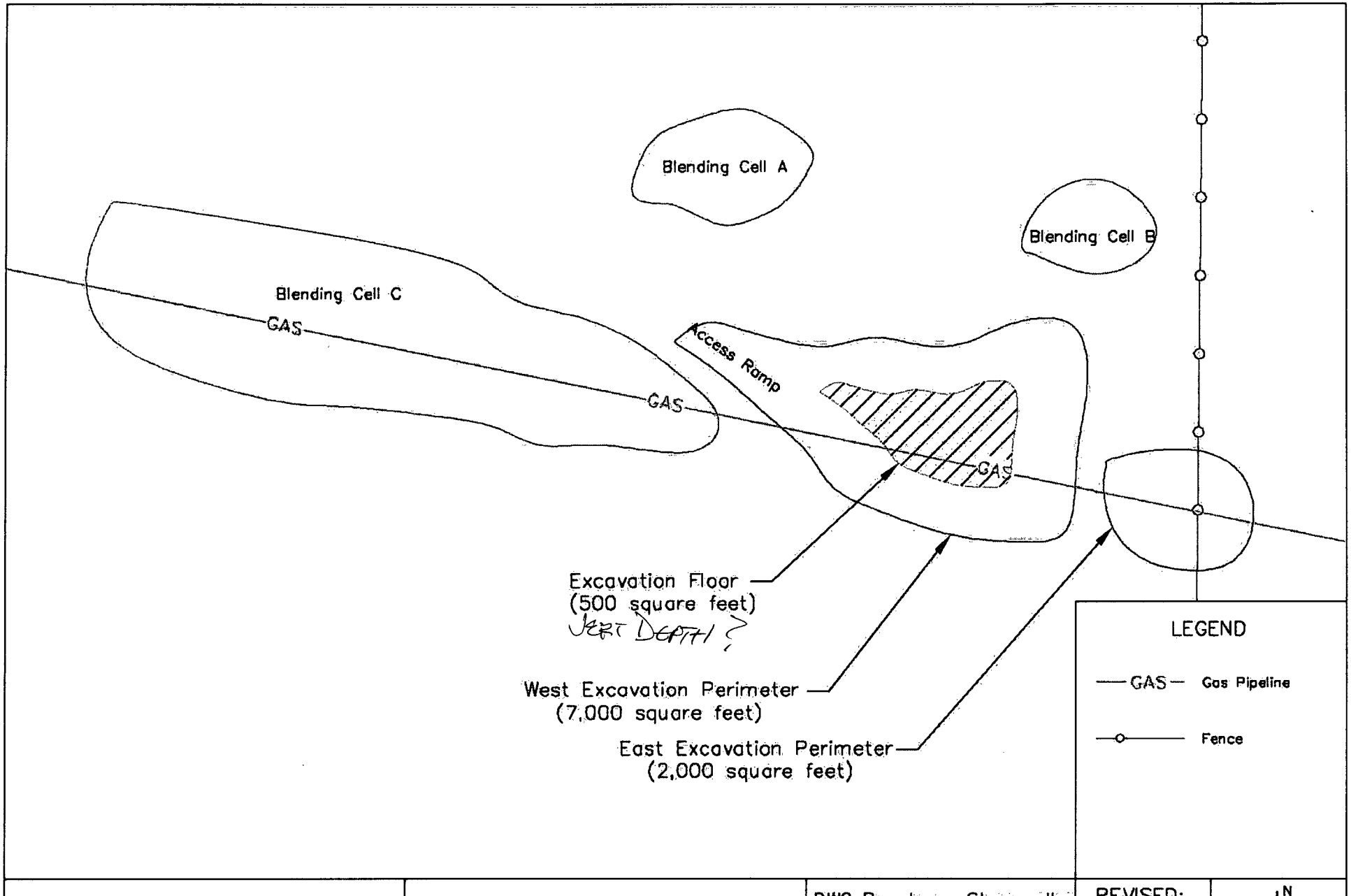


Figure 3 Excavation Site Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Jason Stegemoller August 2005 0 50 100 Feet	REVISED: Sept. 2005 SHEET 1 of 1	N

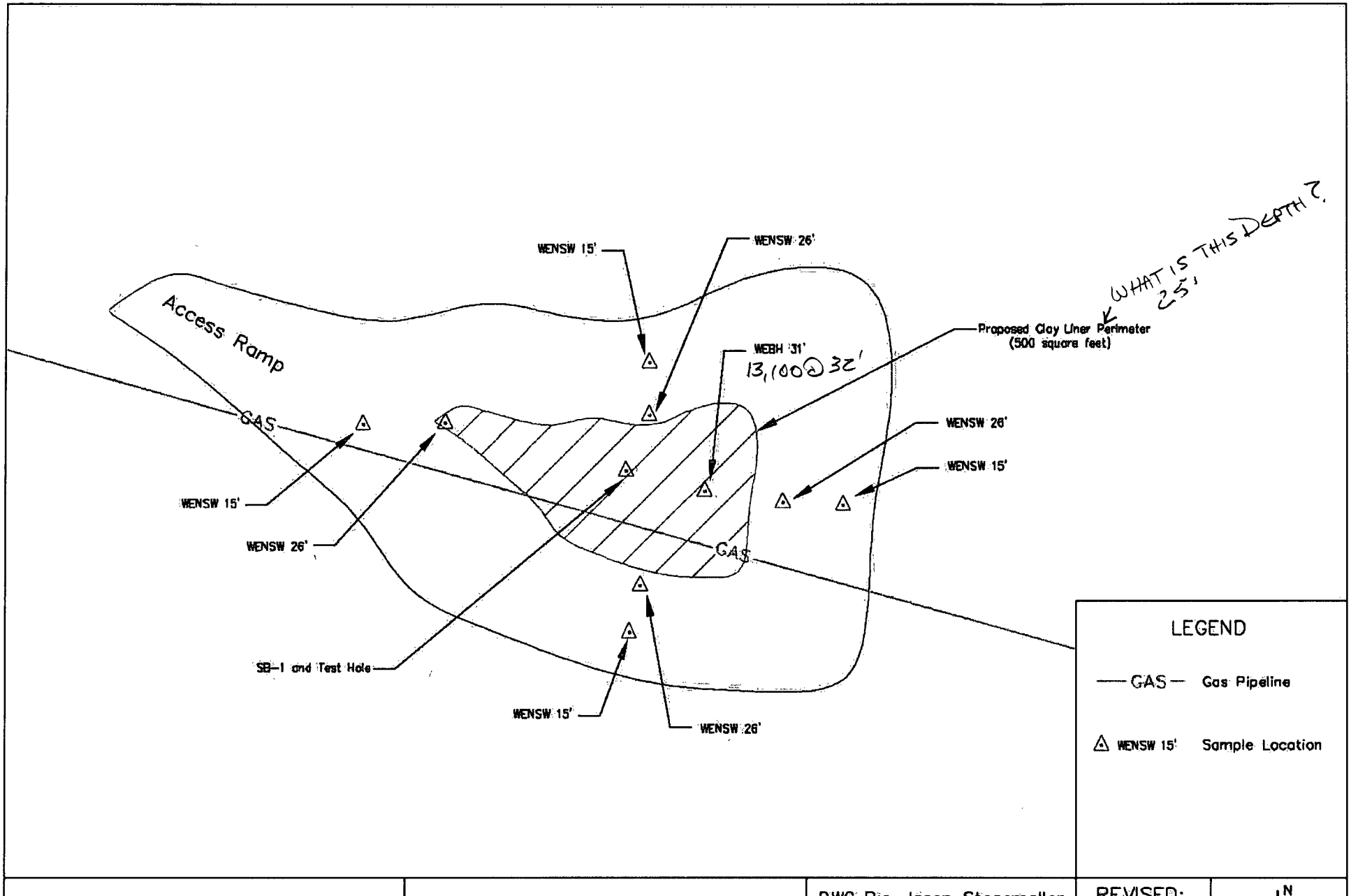


Figure 4 Western Excavation Site Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Jason Stegemoller August 2005 0 25 50 Feet	REVISED: Sept. 2005 SHEET 1 of 1	N

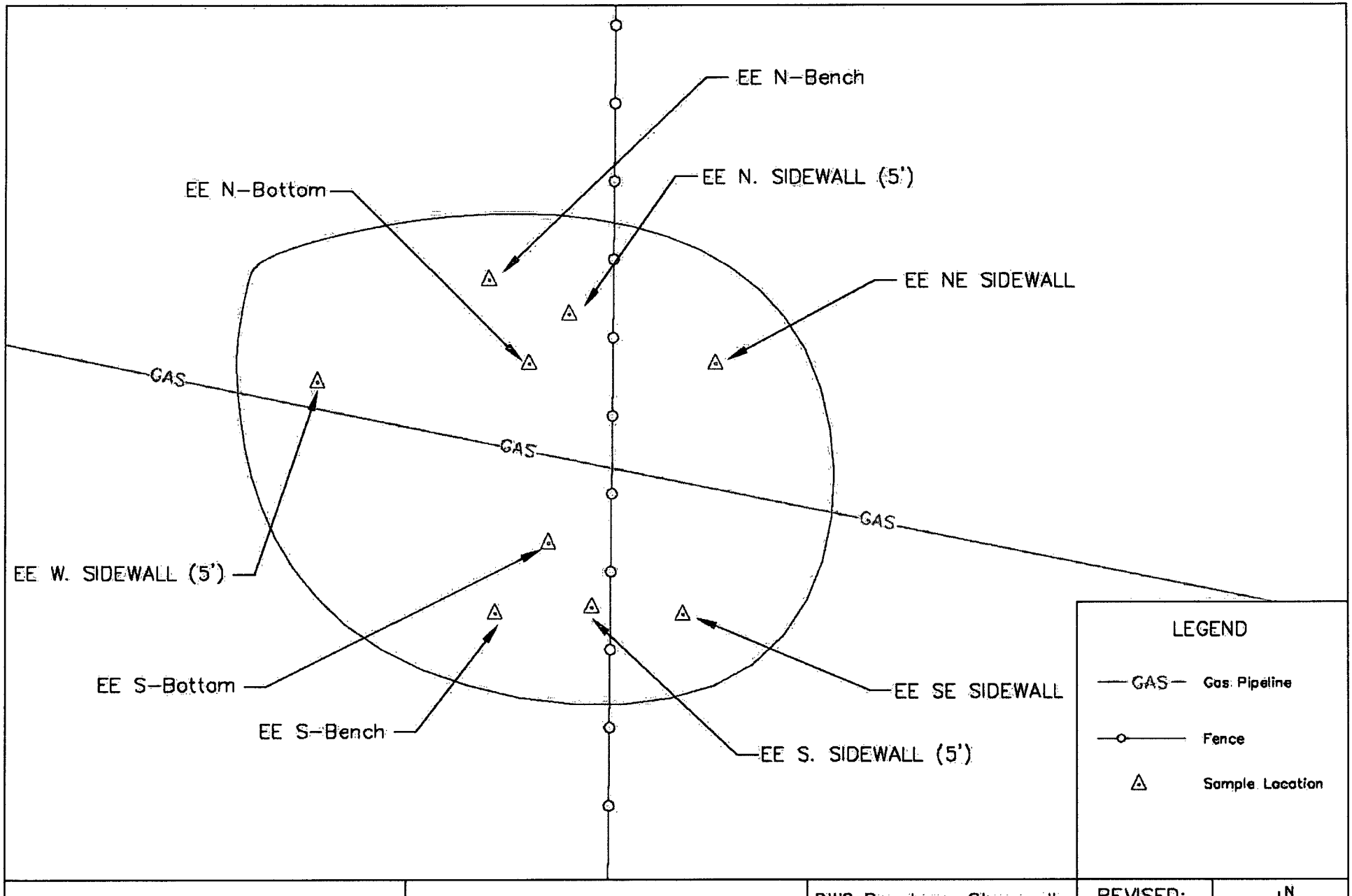


Figure 5 Eastern Excavation Site Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Jason Stegemoller August 2005 0 12.5 25 Feet	REVISED: SHEET 1 of 1

TABLES

TABLE 1

Summary of East Excavation Soil Sample Field Analyses and Laboratory Analytical Results

DEFS G-28-24 (Ref. #130015)

Soil Sample I.D.	Depth (feet)	Sample Date	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)
G-28-24 E	5	24-Feb-05	108	400	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	9.32[4]	38.8	38.8	17.9
G-28-24 F	5	24-Feb-05	481	400	**10.6**	74.2	38.8	152	**276**	5,890	8,390	**14,300**	16.5
	8	24-Feb-05	273	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10	24-Feb-05	19.8	400	<0.0250	<0.0250	<0.0250	0.0288	0.0288	12.8	59.1	71.9	17.1
EE N-Bottom	6	07-Jul-05	NA	NA	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	35.6	35.6	17.3
EE N-Bench	4	07-Jul-05	NA	400	<0.0250	<0.0250	0.0169[4]	0.143	0.160	46.2	270	316	16.7
EE S-Bottom	6	07-Jul-05	NA	NA	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	55.8	55.8	30.7
EE S-Bench	4	07-Jul-05	NA	400	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	<10.0	<20.0	21.1
EE NE SIDEWALL	4	12-Jul-05	14.6	NA	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	118	118	80
EE SE SIDEWALL	4	12-Jul-05	21.9	NA	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	26.5	26.5	48
EE N. SIDEWALL (5')	5	19-Jul-05	2	400	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	<20.0	96
EE S. SIDEWALL (5')	5	19-Jul-05	35.6	400	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	483	483	64
EE W. SIDEWALL (5')	5	19-Jul-05	2	400	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	68.0	68.0	64
NMOCD Remedial Thresholds			**100[3]**		**10**				**50**			**5,000**	**250[5]**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA = Not Analyzed*

[3] *In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes.*

[4] *Detected, but below the reporting limit; therefore the result is an estimated concentration (CLP J-Flag)*

[5] *Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L*

TABLE 2

Summary of West Excavation Soil Sample Field Analyses and Laboratory Analytical Results

DEFS G-28-24 (Ref. #130015)

Soil Sample ID	Depth (feet)	Sample Date	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)
G-28-24 A	5	24-Feb-05	279	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10	24-Feb-05	38.4	400	<0.0250	<0.0250	<0.0250	<0.050	<0.125	8.09[4]	36.90	37	18.6
	15	24-Feb-05	383	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-28-24 B	5	24-Feb-05	169	400	0.0214[4]	0.0618	0.0465	0.2172	0.347	47.8	183	231	17.7
	10	24-Feb-05	36.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-28-24 C	2	24-Feb-05	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5	24-Feb-05	227	NA	0.925	9.00	11.0	37.0	**58.0**	895	2,300	3,200	20.2
	10	24-Feb-05	431	480	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15	24-Feb-05	190	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-28-24 D	5	24-Feb-05	13.6	400	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	7.64[4]	46.5	46.5	24.8
WE N@23' BGS	23	13-Jul-05	NA	NA	2.05	35.2	32.7	104	**174**	1,820	11,100	**12,900**	64
WE N-BOTTOM (26')	26	13-Jul-05	NA	NA	2.11	18.8	21.1	56.7	**99**	1,026	6,630	**7,660**	64
WE-BOTTOM (30')	30	21-Jul-05	NA	NA	**10.4**	43.2	31.5	96.8	**182**	3,870	8,300	**12,200**	14.9
WENSW 15'	15	26-Jul-05	0.4	NA	0.006	<0.005	<0.005	<0.015	0.006	<10.0	<10.0	<20.0	64
WEESW 15'	15	26-Jul-05	0.3	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	224
WEWSW 15'	15	26-Jul-05	0.2	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	64
WESSW 15'	15	26-Jul-05	0.0	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	34.9	34.9	128
WENSW 26'	26	26-Jul-05	7.0	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	80
WEESW 26'	26	26-Jul-05	2.2	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	48
WEWSW 26'	26	26-Jul-05	0.5	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	11	11	80
WESSW 26'	26	26-Jul-05	0.8	NA	<0.005	<0.005	<0.005	<0.015	<0.03	<10.0	<10.0	<20.0	80
WEBH 31'	31	26-Jul-05	325	NA	0.937	16.7	22.6	71.3	**111**	2,400	10,100	**12,500**	64
Soil Boring SB-1	35	09-Aug-05	334	NA	1.55	12.4	26.4	64.8	**105**	2,230	10,900	**13,100**	32
	40	09-Aug-05	333	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	45	09-Aug-05	67	NA	<0.005	<0.005	0.009	0.046	0.055	<10.0	202	202	96
	50	09-Aug-05	3.60	NA	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	30.40	30.4	64
	55	09-Aug-05	1.80	NA	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	24.30	24.3	80
Blending Pile A	Comp	19-Jul-05	305	400	<0.005	<0.005	<0.005	<0.015	<0.030	183	1,050	1,230	80
Blending Pile B	Comp	19-Jul-05	332	400	<0.005	<0.005	0.006	0.237	0.243	458	2660	3120	64
Blending Pile C #1	Comp	11-Aug-05	40.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Blending Pile C #2	Comp	11-Aug-05	55.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Blending Pile C #3	Comp	11-Aug-05	41.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NMOCD Remedial Thresholds			**100[3]**		**10**				**50**			**5,000**	**250[5]**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA = Not Analyzed*

[3] *In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes.*

[4] *Detected, but below the reporting limit; therefore the result is an estimated concentration (CLP J-Flag)*

[5] *Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L*

TABLE 3

WELL INFORMATION REPORT*

Duke Energy Field Services G-28-24 - Ref #130015

Well Number	Diversion[A]	Owner	Use	Source	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
USGS #1					23 S	36 E	04 4 2 4			8-Mar-96	3,485	164.2
CP 00738	0	Dinwiddie Cattle Company	STK		23 S	36 E	14 3 4	N 32° 17' 49.46"	W 103° 14' 22.88"		3,360	
CP 00737	0	Sun Exploration and Production	PRO	Shallow	23 S	36 E	15 3 1 4	N 32° 18' 2.64"	W 103° 15' 39.71"	24-Aug-88	3,410	
CP 00603	3	U.R. Cattle Company	DOM	Shallow	23 S	36 E	15 4 1 3	N 32° 18' 2.6"	W 103° 15' 8.98"	16-Feb-80	3,380	149
USGS #2					23 S	36 E	15 4 4 1			17-Dec-70	3,370	145.91
USGS #3					23 S	36 E	15 4 4 1			6-Mar-96	3,370	144.29
CP 00558	3	Ross L. Robinson, U.R. Cattle Co.	STK	Shallow	23 S	36 E	16 3 3 3	N 32° 17' 49.67"	W 103° 16' 41.34"	22-Jul-76	3,440	220
USGS #4					23 S	36 E	16 3 4 3			17-Dec-70	3,450	261.86
USGS #5					23 S	36 E	16 3 4 3			14-May-91	3,450	411.5
CP 00925	141.14	Energen Resources Corp.	SRO		23 S	36 E	22 4 4 4	N 32° 16' 57.18"	W 103° 14' 53.64"		3,400	
USGS #6					23 S	36 E	22 3 4 4			1-Dec-53	3,420	188.57
USGS #7					23 S	36 E	23 1 1 4			17-Dec-70	3,370	141.23
USGS #8					23 S	36 E	23 2 2 1			17-Dec-70	3,355	132.39
USGS #9					23 S	36 E	26 3 3 3			28-Feb-96	3,360	140.9
CP 00109	3	Deep Wells Ranch, Inc.	STK	Shallow	23 S	36 E	31 2 1 3	N 32° 15' 52.14"	W 103° 18' 13.55"	15-Jun-66	3,440	178
CP 00459	3	Deep Wells Ranch, Inc.	STK		23 S	36 E	31 3 3 3	N 32° 15' 12.93"	W 103° 18' 43.92"	19-Mar-68	3,465	200
USGS #10					23 S	36 E	31 2 1 4			21-Jan-76	3,435	174.93
USGS #11					23 S	36 E	31 2 1 4			7-Mar-96	3,435	174.14
USGS #12					23 S	36 E	31 2 3 3				3,445	
USGS #13					23 S	36 E	35 2 1 1			28-Feb-96	3,340	122.43
CP 00497	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 4 3 3	N 32° 15' 12.37"	W 103° 13' 6.12"	18-Apr-71	3,330	133
CP 00512	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 1 3 4	N 32° 15' 38.59"	W 103° 13' 36.84"	1-Dec-72	3,335	128
CP 00621	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 2 2 3	N 32° 15' 51.58"	W 103° 12' 50.72"	8-Jul-80	3,325	127
CP 00634	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 1 2 1	N 32° 15' 51.64"	W 103° 13' 21.46"	15-Jun-81	3,335	125
CP 00651	3	El Paso Natural Gas Company	IND	Shallow	23 S	36 E	36 1 3 2	N 32° 15' 38.59"	W 103° 13' 36.84"	1-Jul-82	3,340	123
CP 00682	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"	15-Sep-85	3,335	
USGS #14					23 S	36 E	36 1 3 1			20-Jan-76	3,330	122.58
USGS #15					23 S	36 E	36 3 1 4			22-Feb-96	3,340	120.92
USGS #16					23 S	36 E	36 3 4 1			17-Dec-70	3,335	136.21
USGS #17					23 S	36 E	36 3 4 2			20-Oct-65	3,335	142.17
CP 00763 EXP	0	Chevron USA, Inc.	SAN	Shallow	22 S	36 E	01 3 2 2	N 32° 25' 1.46"	W 103° 13' 21.77"	11-Oct-91	3,500	137
USGS #18					22 S	36 E	01 3 3 3			12-Nov-53	3,495	111.24
USGS #19					22 S	36 E	02 1 4 4				3,550	
USGS #20					22 S	36 E	02 3 2 3				3,535	
USGS #21					22 S	36 E	02 4 4 4				3,500	
USGS #22					22 S	36 E	02 4 4 2			20-Jan-76	3,500	118.48
USGS #23					22 S	36 E	02 4 4 4				3,500	
USGS #24					22 S	36 E	04 2 2 2			3-Apr-68	3,560	702.23
CP 00727	3	Dasco Land Corporation	STK	Shallow	22 S	36 E	05 2 3 1	N 32° 25' 14.38"	W 103° 17' 12.71"	26-Apr-88	3,600	
CP 00469	3	W. T. Tivis, Jr.	STK		22 S	36 E	06 3 2 1	N 32° 25' 1.55"	W 103° 18' 29.6"	7-Feb-69	3,585	195
USGS #25					22 S	36 E	06 3 2 1			14-Feb-96	3,585	179.53
USGS #26					22 S	36 E	06 4 1 2			1-May-91	3,580	171.04
CP 00476 EXP		Ross Robinson	STK		22 S	36 E	07 2 3 1	N 32° 24' 22.28"	W 103° 18' 14.09"		3,595	
USGS #27					22 S	36 E	09 3 4 1			1-May-91	3,560	171.75
USGS #28					22 S	36 E	09 3 4 1			3-Dec-70	3,560	172.27

ATTACHMENT I

LABORATORY RESULTS
AND
CHAIN-OF-CUSTODY FORM

ENVIRONMENTAL 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 Field Services

Project Number: None Given

Location: UL-A, Sec 2, T23S, R36E

Lab Order Number: 5C03003

Report Date: 03/09/05

Environmental Plus, Incorporated	Project: Duke Energy Field Services	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	03/09/05 16:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G-28-24 A(10')	5C03003-01	Soil	02/24/05 13:10	03/03/05 14:15
G-28-24 B(5')	5C03003-02	Soil	02/24/05 13:40	03/03/05 14:15
G-28-24 C(5')	5C03003-04	Soil	02/24/05 10:50	03/03/05 14:15
G-28-24 D(5')	5C03003-06	Soil	02/24/05 11:45	03/03/05 14:15
G-28-24 E(5')	5C03003-07	Soil	02/24/05 15:00	03/03/05 14:15
G-28-24 F(5')	5C03003-08	Soil	02/24/05 14:35	03/03/05 14:15
G-28-24 F(10')	5C03003-09	Soil	02/24/05 15:13	03/03/05 14:15

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 A(10') (5C03003-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/03/05	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		*89.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [8.09]**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**36.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**36.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.2 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.8 %*	*70-130*		"	"	"	"	
G-28-24 B(5') (5C03003-02) Soil									
Benzene	**J [0.0214]**	0.0250	mg/kg dry	25	EC50408	03/03/05	03/04/05	EPA 8021B	J
Toluene	**0.0618**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0465**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.154**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0632**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**47.8**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	
Diesel Range Organics >C12-C35	**183**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**231**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.2 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.2 %*	*70-130*		"	"	"	"	
G-28-24 C(5') (5C03003-04) Soil									
Benzene	**0.925**	0.100	mg/kg dry	100	EC50408	03/03/05	03/03/05	EPA 8021B	
Toluene	**9.00**	0.100	"	"	"	"	"	"	
Ethylbenzene	**11.0**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**27.2**	0.100	"	"	"	"	"	"	
Xylene (o)	**9.84**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*163 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**895**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	
Diesel Range Organics >C12-C35	**2300**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3200**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 C(5') (5C03003-04) Soil									
Surrogate: 1-Chlorooctane		*109 %*	*67.6-140*		*EC50307*	*03/03/05*	*03/04/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	
G-28-24 D(5') (5C03003-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/03/05	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		*94.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [7.64]**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**46.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**46.5**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.0 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.6 %*	*70-130*		"	"	"	"	
G-28-24 E(5') (5C03003-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/03/05	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		*92.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [9.32]**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**38.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**38.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.6 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 F(5') (5C03003-08) Soil									
Benzene	**10.6**	0.100	mg/kg dry	100	EC50408	03/03/05	03/03/05	EPA 8021B	
Toluene	**74.2**	0.100	"	"	"	"	"	"	
Ethylbenzene	**38.8**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**115**	0.100	"	"	"	"	"	"	
Xylene (o)	**37.1**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*573 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*127 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**5890**	50.0	mg/kg dry	5	EC50307	03/03/05	03/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	**8390**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**14300**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*9.86 %*	*67.6-140*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*19.3 %*	*70-130*		"	"	"	"	*S-06*
G-28-24 F(10') (5C03003-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/04/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0288**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**12.8**	10.0	mg/kg dry	1	EC50307	03/03/05	03/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	**59.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**71.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.0 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.2 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 A(10') (5C03003-01) Soil									
Chloride	**18.6**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**10.9**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 B(5') (5C03003-02) Soil									
Chloride	**17.7**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**13.7**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 C(5') (5C03003-04) Soil									
Chloride	**20.2**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 D(5') (5C03003-06) Soil									
Chloride	**24.8**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**10.3**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 E(5') (5C03003-07) Soil									
Chloride	**17.9**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**12.6**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 F(5') (5C03003-08) Soil									
Chloride	**16.5**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**9.4**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 F(10') (5C03003-09) Soil									
Chloride	**17.1**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**5.4**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	

Environmental Lab of Texas, Inc.

12600 West I-20 East, Odessa Texas 79763
432-563-1800 FAX: 432-563-1713

Chain of Custody Form

Company Name:	Environmental Plus, Inc.	Bill To	ANALYSIS REQUEST
EPI Project Manager:	Iain Olness	Duke Energy	
Mailing Address:	P.O. BOX 1558		
City, State, Zip:	Eunice New Mexico 88231		
EPI Phone#/Fax#:	505-394-3481 / 505-394-2601		
Client Company:	Duke Energy Field Services		
Facility Name:	G-28-24 (Ref. #130015)	Attn: Polo Rendon	
Project Location:	UL-A, Sec 2, T23S, R36E	11525 West Carlsbad Highway,	
EPI Sampler Name:	Felix Hernandez	Hobbs, NM 88240	

LAB I.D. 5C03003		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl⁻)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH				
-01	1	G-28-24 A(10')	G	1			X					X		24-Feb	13:10	X	X	X									
-02	2	G-28-24 B(5')	G	1			X					X		24-Feb	13:40	X	X	X									
-03	3	G-28-24 B(8')	G	1			X					X		24-Feb	13:50	X	X	X	SEE REMARKS								
-04	4	G-28-24 C(5')	G	1			X					X		24-Feb	10:50	X	X	X									
-05	5	G-28-24 C(15')	G	1			X					X		24-Feb	11:20	X	X	X	SEE REMARKS								
-06	6	G-8-24 D(5')	G	1			X					X		24-Feb	11:45	X	X	X									
-07	7	G-28-24 E(5')	G	1			X					X		24-Feb	15:00	X	X	X									
-08	8	G-28-24 F(5')	G	1			X					X		24-Feb	14:35	X	X	X									
-09	9	G-28-24 F(10')	G	1			X					X		24-Feb	15:13	X	X	X									
~~10~~ CK	10																										

Sampler Relinquished: Iain Olness	Date 3 March 05 Time 0800	Received By:	E-mail results to: iolness@hotmail.com
Relinquished by:	Date Time	Received By: (lab staff) Carrie Kelly 3/3/05 2:15	
Delivered by: Eddie J Hayes	Sample Cool & Intact (Yes) No	Checked By:	

REMARKS: Only analyze G-28-24 B(8') if analytical results for G-28-24 B(5') indicated benzene >10 ppm, BTEX > 50 ppm and/or TPH >5,000 ppm. Only analyze G-28-24 C(15') if analytical results for G-28-24 C(5') indicated benzene >10 ppm, BTEX > 50 ppm and/or TPH >5,000 ppm. If chloride results for G-28-24 B(5') are >250 ppm, then analyze G-28-24 B(8') for chloride. If chloride results for G-28-24 C(5') are >250 ppm, then analyze G-28-24 C(15') for chloride. **ANY QUESTIONS, PLEASE CALL IAIN @ (505) 394-3481.** 4°c

4oz jar

ENVIRONMENTAL 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-28-24 (Ref. #130015)

Project Number: None Given

Location: UL-A, Sect. 2, T 23 S, R 36 E

Lab Order Number: 5G12008

Report Date: 07/18/05

Environmental Plus, Incorporated	Project: Duke Energy- G-28-24 (Ref. #130015)	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	07/18/05 08:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EE N-Bottom	5G12008-01	Soil	07/07/05 13:10	07/12/05 15:00
EE N-Bench	5G12008-02	Soil	07/07/05 13:20	07/12/05 15:00
EE S-Bottom	5G12008-03	Soil	07/07/05 13:30	07/12/05 15:00
EE S-Bench	5G12008-04	Soil	07/07/05 13:40	07/12/05 15:00

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EE N-Bottom (5G12008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51305	07/13/05	07/13/05	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		*90.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51223	07/12/05	07/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	**35.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**35.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*80.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.8 %*	*70-130*		"	"	"	"	
EE N-Bench (5G12008-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51305	07/13/05	07/13/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0169]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.114**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0287**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**46.2**	10.0	mg/kg dry	1	EG51223	07/12/05	07/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	**270**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**316**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.0 %*	*70-130*		"	"	"	"	
EE S-Bottom (5G12008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51305	07/13/05	07/13/05	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		*90.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**ND**	10.0	mg/kg dry	1	EG51223	07/12/05	07/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	**55.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**55.8**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EE S-Bottom (5G12008-03) Soil									
Surrogate: 1-Chlorooctane		*78.2 %*	*70-130*		*EG51223*	*07/12/05*	*07/13/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*78.8 %*	*70-130*		"	"	"	"	
EE S-Bench (5G12008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG51305	07/13/05	07/13/05	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		*88.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51223	07/12/05	07/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*80.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.8 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EE N-Bottom (5G12008-01) Soil									
Chloride	**17.3**	5.00	mg/kg	10	EG51508	07/14/05	07/14/05	EPA 300.0	
% Moisture	**10.4**	0.1	%	1	EG51301	07/12/05	07/13/05	% calculation	
EE N-Bench (5G12008-02) Soil									
Chloride	**16.7**	5.00	mg/kg	10	EG51508	07/14/05	07/14/05	EPA 300.0	
% Moisture	**13.7**	0.1	%	1	EG51301	07/12/05	07/13/05	% calculation	
EE S-Bottom (5G12008-03) Soil									
Chloride	**30.7**	5.00	mg/kg	10	EG51508	07/14/05	07/14/05	EPA 300.0	
% Moisture	**5.8**	0.1	%	1	EG51301	07/12/05	07/13/05	% calculation	
EE S-Bench (5G12008-04) Soil									
Chloride	**21.1**	5.00	mg/kg	10	EG51508	07/14/05	07/14/05	EPA 300.0	
% Moisture	**8.3**	0.1	%	1	EG51301	07/12/05	07/13/05	% calculation	

Environmental Lab of Texas, Inc.

Chain of Custody Form

12600 West I-20 East, Odessa Texas 79763
432-563-1800 FAX: 432-563-1713

Company Name:	Environmental Plus, Inc.
EPI Project Manager:	Iain Olness
Mailing Address:	P.O. BOX 1558
City, State, Zip:	Eunice New Mexico 88231
EPI Phone#/Fax#:	505-394-3481 / 505-394-2601
Client Company:	Duke Energy Field Services
Facility Name:	G-28-24 (Ref. #130015)
Project Location:	UL-A, Sec 2, T23S, R36E
EPI Sampler Name:	David Robinson

Bill To

Duke Energy.

Attn: Polo Rendon
1625 West Carlsbad Highway
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D. (SG12008)	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH			
-01 1	EE N-Bottom	G	1			X					X		07-Jul-05	13:10	X	X	X								
-02 2	EE N-Bench	G	1			X					X		07-Jul-05	13:20	X	X	X								
-03 3	EE S-Bottom	G	1			X					X		07-Jul-05	13:30	X	X	X								
-04 4	EE S-Bench	G	1			X					X		07-Jul-05	13:40	X	X	X								
5																									
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished: Iain Olness	Date: 12 July 05 Time: 11:45	Received By: Aaron Boone	E-mail results to: iolness@hotmail.com & psrendon@duke-energy.com
Relinquished by: Aaron Boone	Date: 7/12/05 Time: 15:00	Received By: (lab staff) Carrie Kelley	REMARKS: 4oz jar
Delivered by:	Sample Cool & Intact: (Yes) No	Checked By:	

labels/seal 4.5°C

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 07/13/05
Reporting Date: 07/15/05
Project Owner: DUKE ENERGY FIELD SERVICES
Project Name: G-28-24 (Ref. #130015)
Project Location: UL-A. SEC 2, T23S, R36E

Sampling Date: 1&2-07/13/05
3&4-0712/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		07/14/05	07/14/05	07/14/05
H9945-1	WE N-BOTTOM (26')	**	**	**
H9945-2	WE N @ 23' BGS	1820	11100	**
H9945-3	EE NE SIDEWALL	<10.0	118	80
H9945-4	EE SE SIDEWALL	<10.0	26.5	48
Quality Control		820	761	960
True Value QC		800	800	1000
% Recovery		102	95.2	96.0
Relative Percent Difference		4.8	4.8	5.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.
**Not reported, as per client instructions.

Chemist

7/15/05
Date

H9945A.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (5050 394-2601

Receiving Date: 07/13/05
Reporting Date: 07/15/05
Project Owner: DUKE ENERGY FIELD SERVICES
Project Name: G-28-24 (Ref. #130015)
Project Location: UL-A. SEC 2, T23S, R36E

Sampling Date: 1&2-07/13/05
3&4-0712/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/14/05	07/14/05	07/14/05	07/14/05
H9945-1	WE N-BOTTOM (26')	*	*	*	*
H9945-2	WE N @ 23' BGS	*	*	*	*
H9945-3	EE NE SIDEWALL	<0.005	<0.005	<0.005	<0.015
H9945-4	EE SE SIDEWALL	<0.005	<0.005	<0.005	<0.015
Quality Control		0.098	0.098	0.100	0.308
True Value QC		0.100	0.100	0.100	0.300
% Recovery		98.0	98.0	100	103
Relative Percent Difference		3.5	5.0	6.0	5.7

*Not reported, as per client instructions.

METHOD: EPA SW-846 8260

Chemist

7/15/05
Date

H9945B.XLS

Environmental Lab of Texas, Inc.

Chain of Custody Form

12600 West I-20 East, Odessa Texas 79763
432-563-1800 FAX: 432-563-1713

Company Name:	Environmental Plus, Inc.
EPI Project Manager:	Iain Olness
Mailing Address:	P.O. BOX 1558
City, State, Zip:	Eunice New Mexico 88231
EPI Phone#/Fax#:	505-394-3481 / 505-394-2601
Client Company:	Duke Energy Field Services
Facility Name:	G-28-24 (Ref. #130015)
Project Location:	UL-A, Sec 2, T23S, R36E
EPI Sampler Name:	David Robinson

Bill To

Duke Energy

Attn: Polo Rendon
11525 West Carlsbad Highway,
Hobbs, NM 88240

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH		
H9945-1	WE N-Bottom (26')	G	1			X					X		13-Jul-05	10:45	X	X	X		SEE REMARKS					
-2	WE N @ 23' bgs	G	1			X					X		13-Jul-05	11:25	X	X	X		SEE REMARKS					
-3	EE NE Sidewall	G	1			X					X		12-Jul-05	12:34	X	X	X							
-4	EE SE Sidewall	G	1			X					X		12-Jul-05	12:32	X	X	X							
5																								
6																								
7																								
8																								
9																								
10																								

ANALYSIS REQUEST

Sampler Relinquished: David Robinson	Date	Received By: Jason Boone	
	Time		
Relinquished by: Jason Boone	Date 7/13	Received By: (lab staff)	
	Time 2:55		
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

E-mail results to: iolness@hotmail.com @ psrendon@duke-energy.com

REMARKS: Analyze sample WE N @ 23' bgs first. If TPH concentrations are <5,000 ppm, then analyze for BTEX. If BTEX concentrations are <50 ppm and benzene is <10 ppm, then analyze for chloride. If TPH concentrations are <5,000 ppm, and/or BTEX concentrations or >50 ppm and/or benzene is >10 ppm and/or chloride is reported at >250 ppm, then analyze WE N-Bottom (26'). ANY QUESTIONS, CONTACT IAIN OLNESS AT EPI AT (505) 394-3481.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 07/19/05
Reporting Date: 07/22/05
Project Owner: DUKE ENERGY FIELD SERVICES
Project Name: G-28-24 (REF. #130015)
Project Location: UL-A, SEC 2, T23S, R36E

Sampling Date: 07/19/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		07/20/05	07/20/05	07/20/05	07/20/05	07/20/05	07/20/05
H9970-1	EE N. SIDEWALL (5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H9970-2	EE S. SIDEWALL (5')	<10.0	483	<0.005	<0.005	<0.005	<0.015
H9970-3	EE W. SIDEWALL (5')	<10.0	68.0	<0.005	<0.005	<0.005	<0.015
H9970-4	BLENDING PILE A	183	1050	<0.005	<0.005	<0.005	<0.015
H9970-5	BLENDING PILE B	458	2660	<0.005	<0.005	0.006	0.237
Quality Control		814	812	0.096	0.091	0.095	0.299
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		102	101	96.2	91.4	94.8	99.6
Relative Percent Difference		2.1	1.5	4.3	1.0	5.5	4.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

7/22/05
Date

H9970A.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 07/19/05
Reporting Date: 07/22/05
Project Owner: DUKE ENERGY FIELD SERVICES
Project Name: G-28-24 (REF. #130015)
Project Location: UL-A, SEC 2, T23S, R36E

Analysis Date: 07/21/05
Sampling Date: 07/19/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl- (mg/Kg)
H9970-1	EE NORTH SIDEWALL (5')	96
H9970-2	EE SOUTH SIDEWALL (5')	64
H9970-3	EE WEST SIDEWALL (5')	64
H9970-4	BLENDING PILE A	80
H9970-5	BLENDING PILE B	64
Quality Control		950
True Value QC		1000
% Recovery		95.0
Relative Percent Difference		1.0

METHOD: STANDARD METHODS 4500-Cl-B
Note: Analyses performed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

7/22/05
Date

H9970

Cardinal Laboratories Inc.

Chain of Custody Form

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

Company Name:	**Environmental Plus, Inc.**
EPI Project Manager:	**Iain Olness**
Mailing Address:	**P.O. BOX 1558**
City, State, Zip:	**Eunice New Mexico 88231**
EPI Phone#/Fax#:	**505-394-3481 / 505-394-2601**
Client Company:	**Duke Energy Field Services**
Facility Name:	**G-28-24 (Ref. #130015)**
Project Location:	**UL-A, Sec 2, T23S, R36E**
EPI Sampler Name:	**David Robinson**

Bill To

Duke Energy

Attn: Polo Rendon
11525 West Carlsbad Highway,
Hobbs, NM 88240

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>	PAH			
H9470-1	1	EE North Sidewall (5')	G	1			X					X		19-Jul-05	7:55	X	X	X								
-2	2	EE South Sidewall (5')	G	1			X					X		19-Jul-05	7:57	X	X	X								
-3	3	EE West Sidewall (5')	G	1			X					X		19-Jul-05	8:01	X	X	X								
-4	4	Blending Pile A	C	1			X					X		19-Jul-05	8:04	X	X	X								
-5	5	Blending Pile B	C	1			X					X		19-Jul-05	8:08	X	X	X								
	6																									
	7																									
	8																									
	9																									
	10																									

Sampler Relinquished: Iain Olness	Date: 7/19/05 Time: 1635	Received By:	E-mail results to: iolness@hotmail.com @ psrendon@duke-energy.com
Relinquished by:	Date / Time	Received By: (lab staff)	REMARKS: ANY QUESTIONS, CONTACT IAIN OLNESS AT EPI AT (505) 394-3481.
Delivered by:	Sample Cool & Intact: Yes / No	Checked By:	

ENVIRONMENTAL 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-28-24 (Ref. #130015)

Project Number: None Given

Location: UL-A, Sec.2, T23S, R36E

Lab Order Number: 5G22011

Report Date: 07/26/05

Environmental Plus, Incorporated	Project: Duke Energy- G-28-24 (Ref. #130015)	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	07/26/05 15:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WE- Bottom (30')	5G22011-01	Soil	07/21/05 13:25	07/22/05 13:21

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Plus, Incorporated	Project: Duke Energy- G-28-24 (Ref. #130015)	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	07/26/05 15:05

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WE- Bottom (30') (5G22011-01) Soil									
Benzene	**10.4**	0.500	mg/kg dry	500	EG52501	07/25/05	07/26/05	EPA 8021B	
Toluene	**43.2**	0.500	"	"	"	"	"	"	
Ethylbenzene	**31.5**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**76.2**	0.500	"	"	"	"	"	"	
Xylene (o)	**20.6**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**3870**	100	mg/kg dry	10	EG52214	07/22/05	07/23/05	EPA 8015M	
Diesel Range Organics >C12-C35	**8300**	100	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**12200**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*8.04 %*	*70-130*		"	"	"	"	*S-06*

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Plus, Incorporated	Project: Duke Energy- G-28-24 (Ref. #130015)	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	07/26/05 15:05

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WE- Bottom (30') (5G22011-01) Soil									
Chloride	**14.9**	5.00	mg/kg	10	EG52606	07/25/05	07/25/05	EPA 300.0	
% Moisture	**7.2**	0.1	%	1	EG52516	07/22/05	07/25/05	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas, Inc.

Chain of Custody Form

12600 West I-20 East, Odessa Texas 79763
432-563-1800 FAX: 432-563-1713

Company Name:	Environmental Plus, Inc.
EPI Project Manager:	Iain Olness
Mailing Address:	P.O. BOX 1558
City, State, Zip:	Eunice New Mexico 88231
EPI Phone#/Fax#:	505-394-3481 / 505-394-2601
Client Company:	Duke Energy Field Services
Facility Name:	G-28-24 (Ref. #130015)
Project Location:	UL-A, Sec 2, T23S, R36E
EPI Sampler Name:	David Robinson

Bill To:

Duke Energy.

Attn: Polo Rendon
11525 West Carlsbad Highway,
Hobbs, NM 88240

LAB I.D. (592011)	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
-01 1	WE - Bottom (30')	G	1			X					X		21-Jul-05	13:25	X	X	X								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								

Sampler Relinquished: Iain Olness	Date 7/22/05 Time 1321	Received By:	E-mail results to: iolness@hotmail.com @ psrendon@duke-energy.com
Relinquished by:	Date / Time	Received By: (lab staff)	REMARKS: ANY QUESTIONS, CONTACT IAIN OLNESS AT EPI AT (505) 394-3481. FAX RESULTS TO ROGER BOONE (EPI) @ (505) 394-2601
Delivered by:	Sample Cool & Intact Yes / No	Checked By:	-25°a

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 07/27/05
Reporting Date: 07/28/05
Project Owner: DUKE
Project Name: G-28-24
Project Location: NOT GIVEN

Sampling Date: 07/26/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		07/28/05	07/28/05	07/28/05
H10003-1	WENSW 15'	<10.0	<10.0	64
H10003-2	WEESW 15'	<10.0	<10.0	224
H10003-3	WEWSW 15'	<10.0	<10.0	64
H10003-4	WESSW 15'	<10.0	34.9	128
H10003-5	WENSW 26'	<10.0	<10.0	80
H10003-6	WEESW 26'	<10.0	<10.0	48
H10003-7	WEWSW 26'	<10.0	11.1	80
H10003-8	WESSW 26'	<10.0	<10.0	80
H10003-9	WEBH 31'	2400	10100	64
Quality Control		767	746	1020
True Value QC		800	800	1000
% Recovery		95.9	93.2	102
Relative Percent Difference		0.9	6.7	7.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.

Burgess J. R. Cooke
Chemist

7/28/05
Date

H10003A.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 07/27/05
Reporting Date: 07/28/05
Project Owner: DUKE
Project Name: G-28-24
Project Location: NOT GIVEN

Sampling Date: 07/26/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/27/05	07/25/05	07/25/05	07/25/05
H10003-1	WENSW 15'	0.006	<0.005	<0.005	<0.015
H10003-2	WEESW 15'	<0.005	<0.005	<0.005	<0.015
H10003-3	WEWSW 15'	<0.005	<0.005	<0.005	<0.015
H10003-4	WESSW 15'	<0.005	<0.005	<0.005	<0.015
H10003-5	WENSW 26'	<0.005	<0.005	<0.005	<0.015
H10003-6	WEESW 26'	<0.005	<0.005	<0.005	<0.015
H10003-7	WEWSW 26'	<0.005	<0.005	<0.005	<0.015
H10003-8	WESSW 26'	<0.005	<0.005	<0.005	<0.015
H10003-9	WEBH 31'	0.937	16.7	22.6	71.3
Quality Control		0.092	0.093	0.092	0.278
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.0	93.4	92.2	92.6
Relative Percent Difference		2.5	7.4	8.4	7.5

METHOD: EPA SW-846 8260

Chemist

7/28/05
Date

H10003B.XLS

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

Company Name	Duke
Project Manager	Polo Rendon
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	
Project Name	G-28-24
Project Location	
Sampler Name	David Robinson

Bill To: Duke Energy Field Services

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015Modified	Cl	Sulfates	EC	TDS	ANIONS	CATAIONS				
H10003-1	WENSW 15'	G	1			X					X		7/26	9:00	X	X	X									
-2	WEESW 15'	G	1			X					X		7/26	9:03	X	X	X									
-3	WEWSW 15'	G	1			X					X		7/26	9:06	X	X	X									
-4	WESSW 15'	G	1			X					X		7/26	9:09	X	X	X									
-5	WENSW 26'	G	1			X					X		7/26	9:15	X	X	X									
-6	WEESW 26'	G	1			X					X		7/26	9:19	X	X	X									
-7	WEWSW 26'	G	1			X					X		7/26	9:23	X	X	X									
-8	WESSW 26'	G	1			X					X		7/26	9:49	X	X	X									
-9	WEBH 31'	G	1			X					X		7/26	9:12	X	X	X									

Sampler Relinquished: David Robinson — Date 7-27 — 9:00

Received By:

Fax results to Iain Olness 505-394-2601

Remarks

Relinquished by: — Date 7-27 — Time 10:30

Received By: (lab staff)

Delivered by Sampler

Sample Cool & Intact: Yes / No

Checked By:

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE,NM 88231
FAX TO: (505) 394-2601

Receiving Date: 08/09/05
Reporting Date: 08/11/05
Project Owner: DUKE ENERGY FIELD SERVICES
Project Name: G-28-24 (REF. #130015)
Project Location: UL-A, SEC 2, T23S, R36E

Sampling Date: 08/09/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		08/10/05	08/10/05	08/10/05
H10060-1	SB-1 (35')	2230	10900	32
H10060-2	SB-1 (45')	<10.0	202	96
H10060-3	SB-1 (50')	<10.0	30.4	64
H10060-4	SB-1 (55')	<10.0	24.3	80
Quality Control		775	804	970
True Value QC		800	800	1000
% Recovery		96.9	101	97.0
Relative Percent Difference		1.2	0.7	3.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

8/11/05
Date

H10060A.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE,NM 88231
FAX TO: (505) 394-2601

Receiving Date: 08/09/05
Reporting Date: 08/11/05
Project Owner: DUKE ENERGY FIELD SERVICES
Project Name: G-28-24 (REF. #130015)
Project Location: UL-A, SEC 2, T23S, R36E

Sampling Date: 08/09/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/09/05	08/09/05	08/09/05	08/09/05
H10060-1	SB-1 (35')	1.55	12.4	26.4	64.8
H10060-2	SB-1 (45')	<0.005	<0.005	0.009	0.046
H10060-3	SB-1 (50')	<0.005	<0.005	<0.005	<0.015
H10060-4	SB-1 (55')	<0.005	<0.005	<0.005	<0.015
Quality Control		0.092	0.091	0.099	0.312
True Value QC		0.100	0.100	0.100	0.300
% Recovery		91.5	91.4	99.0	104.0
Relative Percent Difference		4.7	1.0	1.5	1.1

METHOD: EPA SW-846 8260

Chemist

8/11/05
Date

Cardinal Laboratories Inc.

Chain of Custody Form

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

Company Name:	**Environmental Plus, Inc.**
EPI Project Manager:	**Iain Olness**
Mailing Address:	**P.O. BOX 1558**
City, State, Zip:	**Eunice New Mexico 88231**
EPI Phone#/Fax#:	**505-394-3481 / 505-394-2601**
Client Company:	**Duke Energy Field Services**
Facility Name:	**G-28-24 (Ref. #130015)**
Project Location:	**UL-A, Sec 2, T23S, R36E**
EPI Sampler Name:	**George Blackburn**

Bill To:

Duke Energy

Attn: Polo Rendon
11525 West Carlsbad Highway,
Hobbs, NM 88240

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH
H10060-1	1	SB-1 (35')	G	1			X					X		09-Aug-05	8:30	X	X	X					
-2	2	SB-1 (45')	G	1			X					X		09-Aug-05	10:20	X	X	X					
-3	3	SB-1 (50')	G	1			X					X		09-Aug-05	11:03	X	X	X					
-4	4	SB-1 (55')	C	1			X					X		09-Aug-05	11:40	X	X	X	SEE REMARKS				
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Sampler Relinquished: [signature] Date: 8.9.05 Time: 2:30p

Received By:

Relinquished by: [signature] Date: Time:

Received By: (lab staff) Amy Hill

Delivered by: [signature]

Sample Cool & Intact: Yes / No

Checked By:

E-mail results to: iolness@hotmail.com & psrendon@duke-energy.com

REMARKS: Analyze sample SB-1 (55') only if contaminants are detected in sample SB-1 (50'). **ANY QUESTIONS, CONTACT IAIN OLNESS AT EPI AT (505) 394-3481.**

ATTACHMENT II

COPY OF INITIAL C-141

Duke Energy Field Services

Duke Energy Field Services Site Information and Metrics	**Incident Date:** 23 January 2005	**NMOCD Notified:** 3 February 2005

Site: G-28-24	**Assigned Site Reference #:** 130015
Company: Duke Energy Field Services	
Street Address:	
Mailing Address: 1625 West Marland	
City, State, Zip: Hobbs, New Mexico 88240	
Representative: Mark Owens	
Representative Telephone: (505) 397-5541	
Telephone:	
Fluid volume released (bbls): 15 barrels	**Recovered (bbls):** 10 barrels
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: G-28-24	
Source of contamination: 8" steel line began leaking, probably due to internal corrosion. Line clamp installed, line shut-in and scheduled for replacement.	
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico	
LSP Dimensions: 40 feet by 50 feet	
LSP Area: ≈2,000 ft^2	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: N 32° 20' 25.042"	
Longitude: W 103° 13' 40.062"	
Elevation above mean sea level: 3,447	
Feet from South Section Line:	
Feet from West Section Line:	
Location- Unit or ¼¼: NE¼ of the NE¼	**Unit Letter:** A
Location- Section: 2	
Location- Township: T23S	
Location- Range: R36E	
Surface water body within 1000 ' radius of site: none	
Domestic water wells within 1000' radius of site: none	
Agricultural water wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to ground water (DG): >150 feet	
Depth of contamination (DC): ≈ 5 feet	
Depth to ground water (DG – DC = DtGW): ≥100 feet	

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

Site Rank (1+2+3) = 0

Total Site Ranking Score and Acceptable Concentrations

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

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

Duke Energy Field Services

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 –INFORMATIONAL ONLY

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Duke Energy Field Services	**Contact:** Mark Owens
Address: 1625 West Marland, Hobbs, NM 88240	**Telephone No.:** (505) 397-5541
Facility Name: G-28-24	**Facility Type:** 8" steel pipeline

Surface Owner: State of New Mexico	**Mineral Owner:**	**Lease No.:**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	2	23 S	36 E					Lea

Latitude: N 32° 20' 25.042" **Longitude:** W 103° 13' 40.062"

NATURE OF RELEASE

Type of Release: Natural Gas Pipeline Fluids	**Volume of Release:** 15 barrels	**Volume Recovered:** 10 barrels
Source of Release: 8" low-pressure steel pipeline	**Date and Hour of Occurrence:** 23 January 2005	**Date and Hour of Discovery:** 23 January 2005
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	**If YES, To Whom?**	
By Whom?	**Date and Hour**	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.**	

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

Describe Cause of Problem and Remedial Action Taken.*
8" steel line began leaking, probably due to internal corrosion. A line clamp was installed and the line shut-in until it can be replaced with polyethylene.

Describe Area Affected and Cleanup Action Taken.* The affected area consists of approximately 2,000 square feet of pasture land leased by B. W. Dinwiddie. A vacuum truck was utilized to pick up the free liquids. A total of 10 barrels of NGPF was recovered. The leak origin was excavated and a clamp installed. After the clamp had been installed, the excavation was backfilled and the release area was back dragged to "blend" the soil until such time that remedial activities can be completed. The line was shut-in and is currently scheduled for replacement.

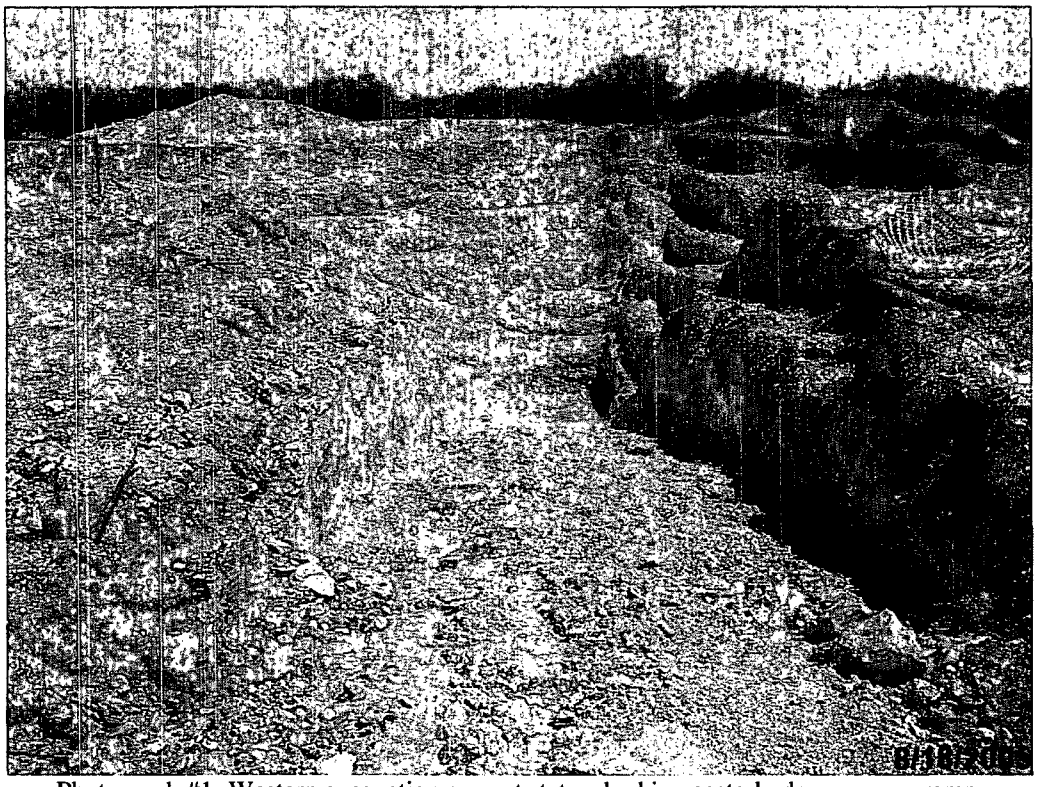
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature:	**OIL CONSERVATION DIVISION**	
Printed Name: Mark Owens	**Approved by District Supervisor:**	
Title: Construction Maintenance Supervisor	**Approval Date:**	**Expiration Date:**
E-mail Address: mrowens@duke-energy.com	**Conditions of Approval:**	**Attached** ☐
Date: **Phone:**		

* Attach Additional Sheets If Necessary

ATTACHMENT III

SITE PHOTOGRAPHS



Photograph #1- Western excavation current status, looking easterly down access ramp.

Photograph #2- Western excavation current status, looking southeasterly at south wall.

ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Out™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

9, 26 05 ?
STATUS ?
Close ?

5 April 2005

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

RE: Duke Energy Field Services G-28-24 Release Site (Ref. #130015)
UL-A (NE¼ of the NE¼) of Section 2, Township 23 South, Range 36 East
Latitude N 32° 20' 25.042" and Longitude W 103° 13' 40.062"

Dear Mr. Johnson:

On January 23, 2005, a release of approximately 15 barrels of natural gas liquids (NGL) occurred as a result of a line leak at the above-referenced site, of which 10 barrels were recovered. DEFS retained Environmental Plus, Inc. (EPI) in February 2005 to delineate the extent of impacted soil at the site. This letter report documents the results of the delineation activities and recommends how to proceed with the remediation of the impacted soil.

Site Background

The site is located in the NE¼ of the NE¼ of Section 15, Township 19 South, Range 34 East at an elevation of approximately 3,447 feet above mean sea level (reference *Figures 1 and 2*). The property is owned by the State of New Mexico and administered by the New Mexico State Land Office. A search for area water wells was completed utilizing the *New Mexico Office of the State Engineers* website and a database maintained by the United States Geological Survey (USGS). No wells were found to be located in Section 2 and only one well was found to be located in one of the eight adjacent sections (i.e., sections 1, 3, 7, 8 and 9 of Township 23 South, Range 36 East and sections 34, 35 and 36 of Township 22 South, Range 36 East). The depth to water in this well was reported to be approximately 181 feet below ground surface (bgs) (reference *Table 2*). Due to the lack of wells located in the vicinity of the release site, the search for wells was expanded to include all of Township 22 South, Range 36 East and all of Township 23 South, Range 36 East. A total of 45 wells were recorded in the databases searched and the average depth to water for these wells was reported to be approximately 177 feet bgs, with recorded levels ranging from 22 feet bgs to 702 feet bgs. No water supply wells or bodies of surface water were found to be located within a 1,000-foot radius of the release location (reference *Figure 2*). Based on this information, it was determined that the distance between the contamination and groundwater was >100 feet. Utilizing this information, it was determined that the New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this site are as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	5,000 parts per million

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 ••• FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

Field Work

EPI was on site on February 24, 2005 to delineate the extent of NGL-impacted soil. Delineation activities were completed by excavating trenches within the release area utilizing a back-hoe (reference *Figure 4*). During the excavation of the trenches, samples were collected with a portion of the sample being placed in a laboratory provided container and the remainder placed in a self sealing polyethylene bag. The samples placed in laboratory provided containers were immediately placed on ice for potential transport to Environmental Lab of Texas of Odessa, Texas, for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX), gasoline range organics (GRO), diesel range organics (DRO) and chloride.

The portion of the samples placed in the self-sealing polyethylene bag were placed in a heated environment (i.e., cab of a truck) to allow the volatilization of organic vapors. After the samples had been allowed to equilibrate to ≈70° F, they were analyzed for the presence of organic vapors utilizing a calibrated MiniRae® photoionozation detector (PID) equipped with a 9.8 electron-volt (eV) lamp.

The first trench was excavated to a depth of 15 feet below ground surface (bgs) and samples were collected at various depths. Field analyses of these samples indicated the presence of organic vapors at concentrations ranging from 13.6 parts per million (ppm) at 5 feet bgs approximately 15 feet south of the pipeline to 431 ppm at 10 feet bgs approximately 5 feet south of the pipeline (reference *Table 1*). The second trench was excavated to a depth of 10 feet bgs and samples collected at various depths. Field analyses of these indicated the presence of organic vapors at concentrations ranging from 19.8 ppm to 10 feet bgs approximately 5 feet south of the pipeline to 481 ppm at 5 feet bgs approximately 5 feet south of the pipeline.

Representative samples were also analyzed in the field for the presence of chlorides. Prior to conducting any chloride analyses, a background sample was collected upgradient from the site. Field analysis for this sample indicated chloride concentrations of approximately 400 mg/Kg. Field analyses for the samples collected from the excavation indicated chloride concentrations of 400 mg/Kg in all the samples analyzed, with the exception of the sample collected at 10 feet bgs, approximately 5 feet south of the pipeline. Field analysis of this sample indicated chloride concentrations of 480 mg/Kg.

During excavation activities, the lithology was defined as sand to a depth of at least 15 feet bgs.

Analytical Data

Analytical results for the samples collected from trench #1 indicated soil impacted above the NMOCD remedial thresholds does not extend past a depth of 10 feet bgs (reference *Table 1*). Only one sample indicated contaminants above the NMOCD remedial thresholds. This sample was collected from a depth of 5 feet bgs approximately 5 feet south of the pipeline (i.e., G-28-24 C(5')) and analytical results indicated BTEX concentrations of 58.0 mg/Kg, slightly above the NMOCD remedial threshold of 50 mg/Kg.

Analytical results for the samples collected from trench #2 indicated soil impacted above the NMOCD remedial thresholds does not extend past a depth of 10 feet bgs (reference *Table 1*). Only one sample indicated contaminants above the NMOCD remedial thresholds. This sample was collected from a depth of 5 feet bgs approximately 5 feet south of the pipeline (i.e., G-28-24 F (5')) and analytical results indicated BTEX concentrations of 276 mg/Kg and TPH concentrations of 14,300 mg/Kg. analytical results for the sample collected from a depth of 10 feet bgs at this location indicated BTEX concentrations of 0.0288 mg/Kg and TPH concentrations of 71.9 mg/Kg, both well below the NMOCD remedial thresholds for this site.

Chloride concentrations for the samples obtained during delineation were reported ranging from 16.5 mg/Kg to 24.8 mg/Kg. The reported concentrations are below the New Mexico Water Quality Control

Commission's (NMWQCC) chloride standards for groundwater of 250 mg/L for all samples (reference *Table 2*).

Conclusions

Based on field and analytical analyses, soil impacted above the NMOCD remedial thresholds extends to a depth of approximately 5-feet bgs (reference *Table 2*). The release area is approximately 3,200 square feet in size. The volume of soil that is required to be treated is unknown; however, if the entire release area was excavated to a depth of 5-feet bgs, the volume of soil excavated would be approximately 590 cubic yards (*in situ*). Due to the fact that impacts above the NMOCD remedial thresholds are not expected to extend to a depth of 5 feet across the entire area, the volume of impacted soil is actually less than 590 cubic yards.

Chloride concentrations were reported below the NMWQCC standards for groundwater in all samples collected during delineation. Due to the fact that reported chloride levels were below the NMWQCC chloride standards for groundwater, groundwater would not be impacted by chloride.

Recommendations

Based on field and analytical results, it is recommended that soil impacted above the remedial limits be excavated. The final lateral and vertical extents will be determined via field analyses of soil samples collected during excavation activities. Upon completion of excavation activities, the excavation basin will be sampled (i.e., grab samples collected from the sidewalls and floor) and the samples submitted to an independent laboratory for quantification of TPH, BTEX and chlorides.

The excavated soil impacted above the NMOCD remedial thresholds can be treated either by (a) transporting it to a State approved land treatment facility and backfilling the excavation with clean soil obtained off-site or (b) blending the soil with clean soil obtained from along the right-of-way until NMOCD remedial goals are achieved. Samples would be collected from the blended soil and analyzed in the field to ascertain when NMOCD guidelines had been achieved and samples submitted to an independent laboratory to verify field analyzes. Upon receipt of analytical results verifying the blending of the soil to NMOCD remedial guidelines or below, the excavation should be backfilled, contoured to allow natural drainage and reseeded.

Should you have any questions or concerns, please feel free to contact me at (505) 394-3481 or via e-mail at iolness@hotmail.com. Upon your approval, EPI will initiate the next phase of the remediation. All official correspondence should be submitted to Polo Rendon at:

Polo Rendon
Duke Energy Field Services
1625 West Marland
Hobbs, NM 88240

(505) 391-5705
psrendon@duke-energy.com

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain A. Olness, P.G.
Hydrogeologist

cc: Polo Rendon, DEFS – Hobbs, NM
Mark Owens, DEFS – Hobbs, NM
Lynn Ward, DEFS – Midland, TX
Steve Weathers, DEFS – Denver, CO
File

encl. Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Delineation Sampling Map
Table 1 – Summary of Soil Field Analyses and Laboratory Analytical Results
Table 2 – Well Information Report
Attachment I – Laboratory Results and Chain-of-Custody Form
Attachment II – Copy of Initial C-141

FIGURES

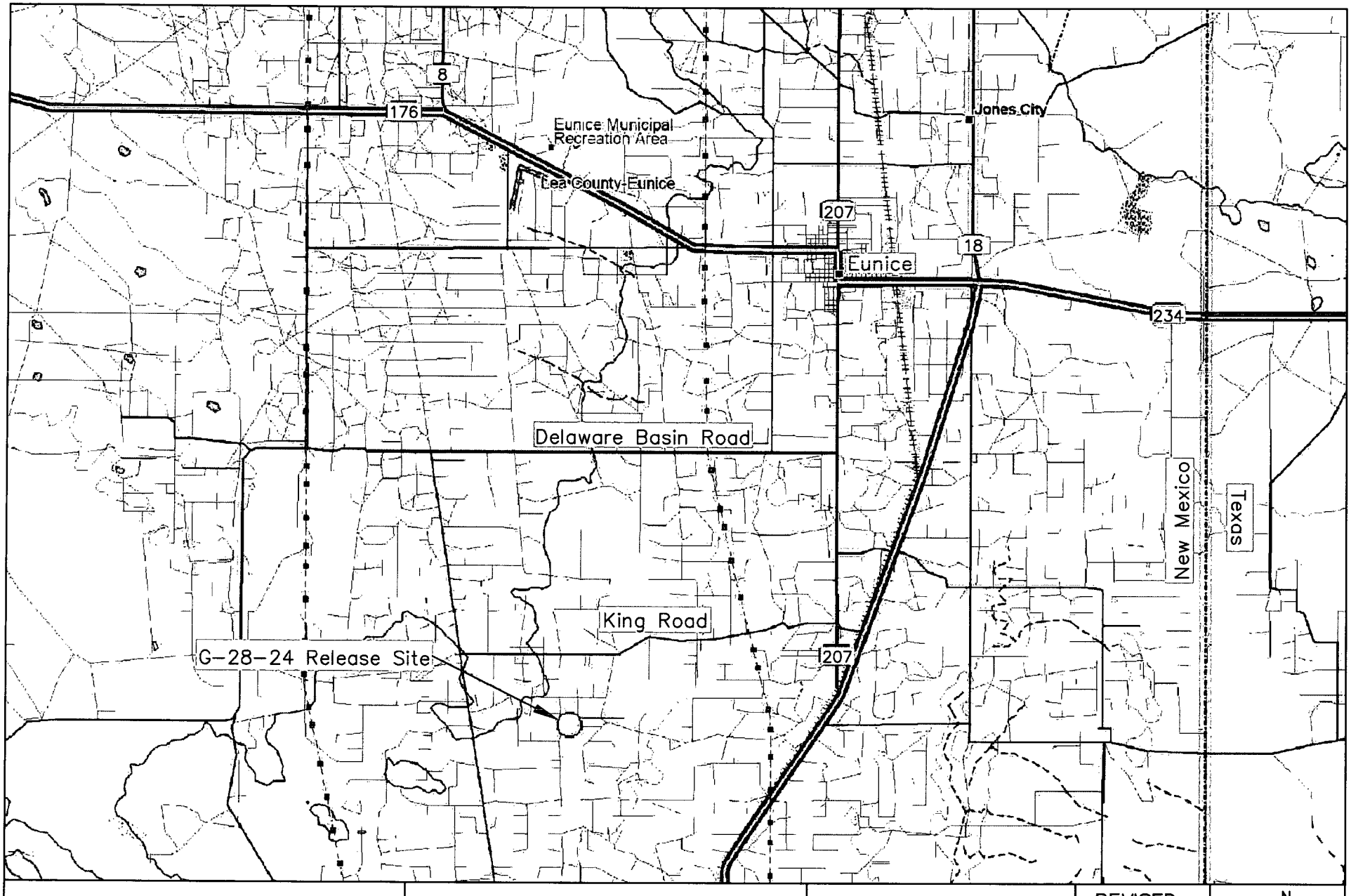


Figure 1 Area Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Iain Olness February 2005 0 2.0 4.0 Miles	REVISED: SHEET 1 of 1

N

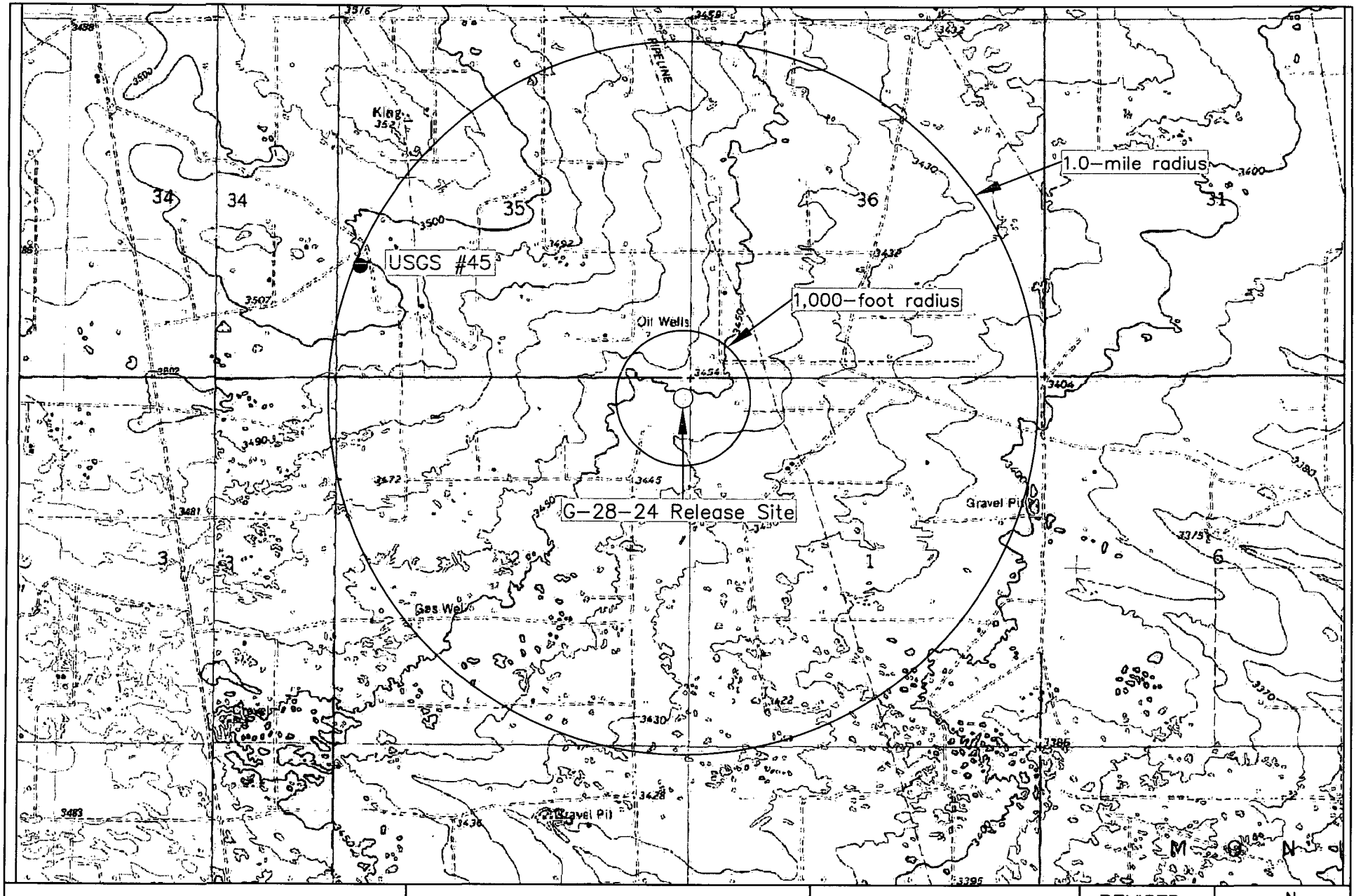


Figure 2 Site and Well Location Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Iain Olness February 2005 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1

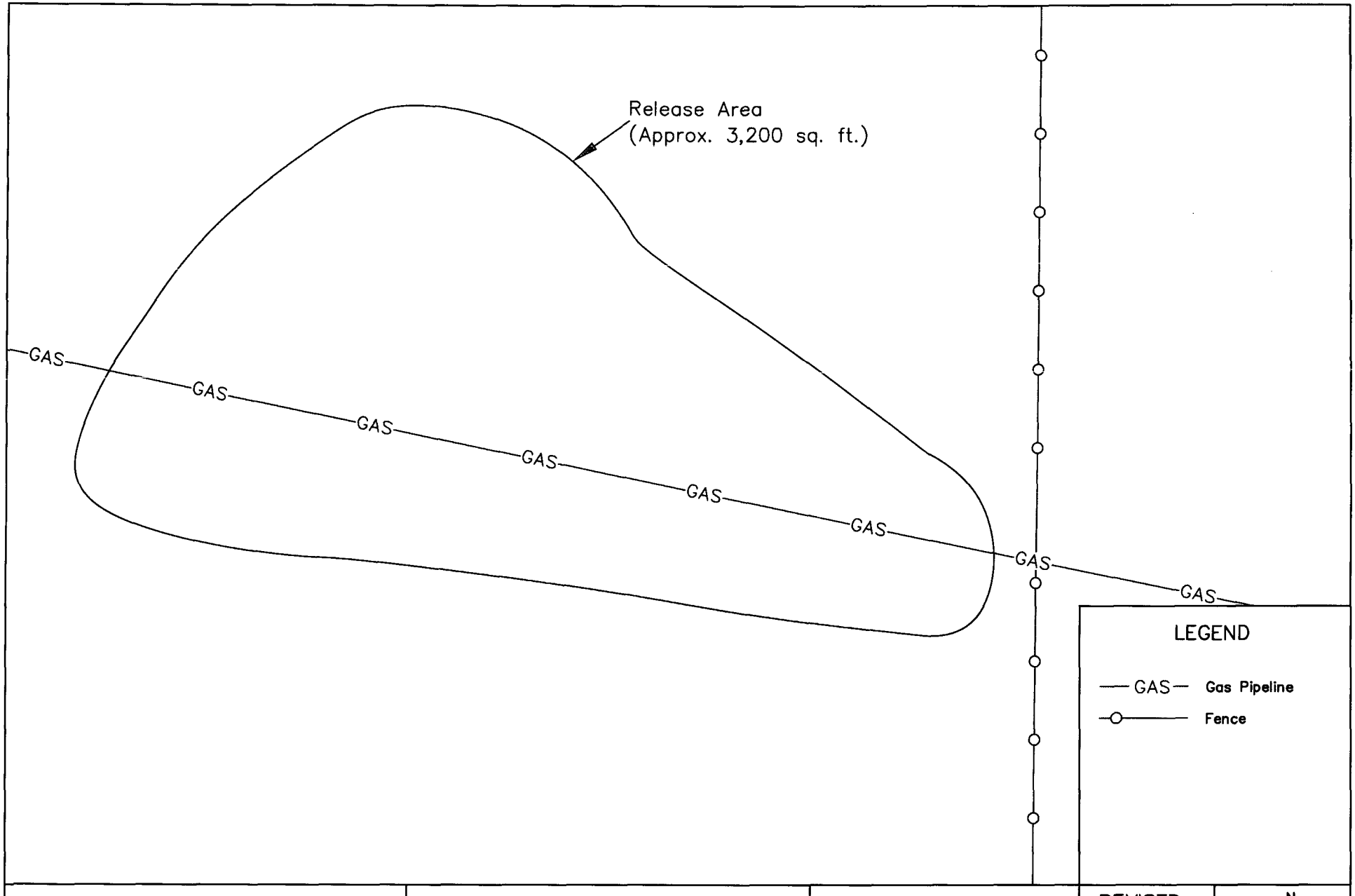


Figure 3 Site Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Iain Olness February 2005 0 15 30 Feet	REVISED: Mar. 2005 SHEET 1 of 1	N

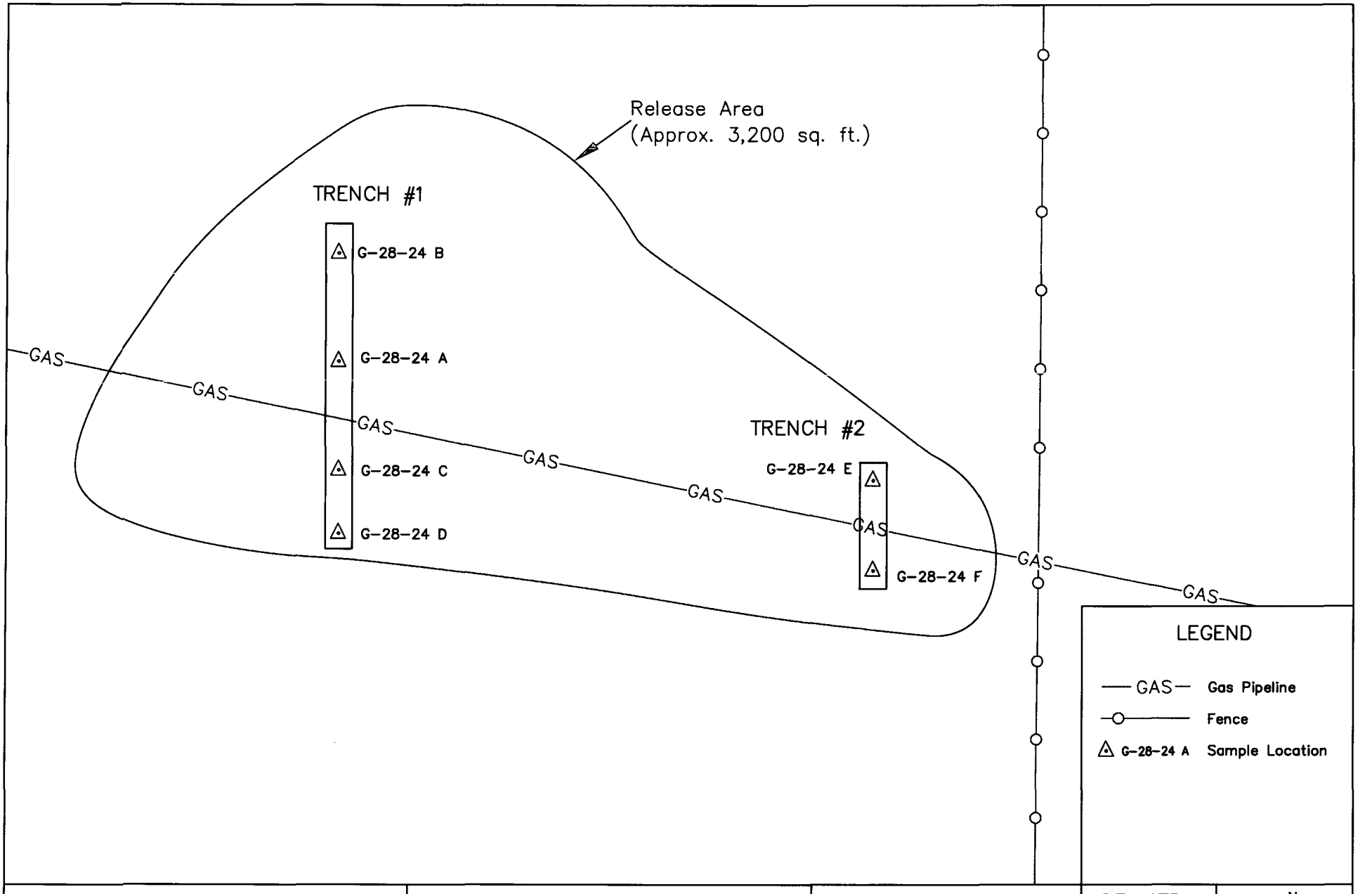


Figure 4 Sample Location Map Duke Energy Field Services G-28-24	Lea County, New Mexico NE 1/4 of the NE 1/4, Sec. 2, T23S, R36E N 32° 20' 25.0" W 103° 13' 40.0" Elevation: 3,447 feet amsl	DWG By: Iain Olness February 2005	REVISED: Mar. 2005	N
		0 15 30 Feet	SHEET 1 of 1	

TABLES

TABLE 1

Summary of Soil Field Analyses and Laboratory Analytical Results

DEFS G-28-24 (Ref. #130016)

Soil Boring	Depth (feet)	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	m,p-Xylenes (mg/Kg)	o-Xylene (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
G-28-24 A	5	24-Feb-05	279	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10	24-Feb-05	38.4	400	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	8.09[4]	36.90	37	18.6
	15	24-Feb-05	383	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-28-24 B	5	24-Feb-05	169	400	0.0214[4]	0.0618	0.0465	0.154	0.0632	0.347	47.8	183	231	17.7
	10	24-Feb-05	36.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-28-24 C	2	24-Feb-05	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5	24-Feb-05	227	NA	0.925	9.00	11.0	27.2	9.84	**58.0**	895	2,300	3,200	20.2
	10	24-Feb-05	431	480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15	24-Feb-05	190	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G-28-24 D	5	24-Feb-05	13.6	400	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	7.64[4]	46.5	46.5	24.8
G-28-24 E	5	24-Feb-05	108	400	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	9.32[4]	38.8	38.8	17.9
G-28-24 F	5	24-Feb-05	481	400	10.6	74.2	38.8	115	37.1	**276**	5,890	8,390	**14,300**	16.5
	8	24-Feb-05	273	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10	24-Feb-05	19.8	400	<0.0250	<0.0250	<0.0250	0.0288	<0.0250	0.0288	12.8	59.1	71.9	17.1
NMOCD Remedial Thresholds			**100**[3]		**10**					**50**			**5,000**	**250**[5]

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA = Not Analyzed*

[3] *In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes.*

[4] *Detected, but below the reporting limit; therefore the result is an estimated concentration (CLP J-Flag)*

[5] *Chloride residuals may not be capable of impacting local groundwaterabove the NMWQCCstandard of 250 mg/L*

TABLE 2

WELL INFORMATION REPORT*

Duke Energy Field Services G-28-24 - Ref #130015

Well Number	Diversion[A]	Owner	Use	Source	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
USGS #1					23 S	36 E	04 4 2 4			8-Mar-96	3,485	164.2
CP 00738	0	Dinwiddie Cattle Company	STK		23 S	36 E	14 3 4	N 32° 17' 49.46"	W 103° 14' 22.88"		3,360	
CP 00737	0	Sun Exploration and Production	PRO	Shallow	23 S	36 E	15 3 1 4	N 32° 18' 2.64"	W 103° 15' 39.71"	24-Aug-88	3,410	
CP 00603	3	U.R. Cattle Company	DOM	Shallow	23 S	36 E	15 4 1 3	N 32° 18' 2.6"	W 103° 15' 8.98"	16-Feb-80	3,380	149
USGS #2					23 S	36 E	15 4 4 1			17-Dec-70	3,370	145.91
USGS #3					23 S	36 E	15 4 4 1			6-Mar-96	3,370	144.29
CP 00558	3	Ross L. Robinson, U.R. Cattle Co.	STK	Shallow	23 S	36 E	16 3 3 3	N 32° 17' 49.67"	W 103° 16' 41.34"	22-Jul-76	3,440	220
USGS #4					23 S	36 E	16 3 4 3			17-Dec-70	3,450	261.86
USGS #5					23 S	36 E	16 3 4 3			14-May-91	3,450	411.5
CP 00925	141.14	Energen Resources Corp.	SRO		23 S	36 E	22 4 4 4	N 32° 16' 57.18"	W 103° 14' 53.64"		3,400	
USGS #6					23 S	36 E	22 3 4 4			1-Dec-53	3,420	188.57
USGS #7					23 S	36 E	23 1 1 4			17-Dec-70	3,370	141.23
USGS #8					23 S	36 E	23 2 2 1			17-Dec-70	3,355	132.39
USGS #9					23 S	36 E	26 3 3 3			28-Feb-96	3,360	140.9
CP 00109	3	Deep Wells Ranch, Inc.	STK	Shallow	23 S	36 E	31 2 1 3	N 32° 15' 52.14"	W 103° 18' 13.55"	15-Jun-66	3,440	178
CP 00459	3	Deep Wells Ranch, Inc.	STK		23 S	36 E	31 3 3 3	N 32° 15' 12.93"	W 103° 18' 43.92"	19-Mar-68	3,465	200
USGS #10					23 S	36 E	31 2 1 4			21-Jan-76	3,435	174.93
USGS #11					23 S	36 E	31 2 1 4			7-Mar-96	3,435	174.14
USGS #12					23 S	36 E	31 2 3 3				3,445	
USGS #13					23 S	36 E	35 2 1 1			28-Feb-96	3,340	122.43
CP 00497	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 4 3 3	N 32° 15' 12.37"	W 103° 13' 6.12"	18-Apr-71	3,330	133
CP 00512	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 1 3 4	N 32° 15' 38.59"	W 103° 13' 36.84"	1-Dec-72	3,335	128
CP 00621	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 2 2 3	N 32° 15' 51.58"	W 103° 12' 50.72"	8-Jul-80	3,325	127
CP 00634	3	El Paso Natural Gas Company	EXP	Shallow	23 S	36 E	36 1 2 1	N 32° 15' 51.64"	W 103° 13' 21.46"	15-Jun-81	3,335	125
CP 00651	3	El Paso Natural Gas Company	IND	Shallow	23 S	36 E	36 1 3 2	N 32° 15' 38.59"	W 103° 13' 36.84"	1-Jul-82	3,340	123
CP 00682	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"	15-Sep-85	3,335	
USGS #14					23 S	36 E	36 1 3 1			20-Jan-76	3,330	122.58
USGS #15					23 S	36 E	36 3 1 4			22-Feb-96	3,340	120.92
USGS #16					23 S	36 E	36 3 4 1			17-Dec-70	3,335	136.21
USGS #17					23 S	36 E	36 3 4 2			20-Oct-65	3,335	142.17
CP 00763 EXP	0	Chevron USA, Inc.	SAN	Shallow	22 S	36 E	01 3 2 2	N 32° 25' 1.46"	W 103° 13' 21.77"	11-Oct-91	3,500	137
USGS #18					22 S	36 E	01 3 3 3			12-Nov-53	3,495	111.24
USGS #19					22 S	36 E	02 1 4 4				3,550	
USGS #20					22 S	36 E	02 3 2 3				3,535	
USGS #21					22 S	36 E	02 4 4 4				3,500	
USGS #22					22 S	36 E	02 4 4 2			20-Jan-76	3,500	118.48
USGS #23					22 S	36 E	02 4 4 4				3,500	
USGS #24					22 S	36 E	04 2 2 2			3-Apr-68	3,560	702.23
CP 00727	3	Dasco Land Corporation	STK	Shallow	22 S	36 E	05 2 3 1	N 32° 25' 14.38"	W 103° 17' 12.71"	26-Apr-88	3,600	
CP 00469	3	W. T. Tivis, Jr.	STK		22 S	36 E	06 3 2 1	N 32° 25' 1.55"	W 103° 18' 29.6"	7-Feb-69	3,585	195
USGS #25					22 S	36 E	06 3 2 1			14-Feb-96	3,585	179.53
USGS #26					22 S	36 E	06 4 1 2			1-May-91	3,580	171.04
CP 00476 EXP		Ross Robinson	STK		22 S	36 E	07 2 3 1	N 32° 24' 22.28"	W 103° 18' 14.09"		3,595	
USGS #27					22 S	36 E	09 3 4 1			1-May-91	3,560	171.75
USGS #28					22 S	36 E	09 3 4 1			3-Dec-70	3,560	172.27

TABLE 2

WELL INFORMATION REPORT*

Duke Energy Field Services G-28-24 - Ref #130015

Well Number	Diversion[A]	Owner	Use	Source	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
USGS #29					22 S	36 E	09 3 4 1			3-Dec-70	3,560	178.05
L 11013	3	Dasco Land Corporation	STK		22 S	36 E	10 3 3 3	N 32° 23' 56.1"	W 103° 15' 40.14"		3,545	
USGS #30					22 S	36 E	11 2 1 4				3,525	
USGS #31					22 S	36 E	11 2 2 4				3,505	
USGS #32					22 S	36 E	11 2 2 3			3-Dec-70	3,520	125.42
USGS #33					22 S	36 E	12 3 1 1			15-Feb-96	3,475	124.13
USGS #34					22 S	36 E	13 2 2 2			20-Jan-76	3,450	23.41
CP 00070 2	3	McVay Drilling Company	STK	Shallow	22 S	36 E	16 1 2 2	N 32° 23' 42.95"	W 103° 16' 26.28"	5-Oct-72	3,565	170
USGS #35					22 S	36 E	16 2 1 1			15-Feb-96	3,450	175.28
USGS #36					22 S	36 E	16 2 1 1			7-Mar-86	3,450	174.09
USGS #37					22 S	36 E	17 1 4 1			3-Dec-70	3,565	484.06
CP 00485 EXP		El Paso Natural Gas Company	NON		22 S	36 E	22 1 3 3	N 32° 22' 37.79"	W 103° 15' 40.09"		3,515	
CP 00609	3	U.R. Cattle Company	DOM		22 S	36 E	22 4 3 1	N 32° 22' 11.77"	W 103° 15' 9.23"	28-Jun-80	3,565	22
USGS #38					22 S	36 E	25 4 3 4			15-Feb-96	3,430	117.83
USGS #39					22 S	36 E	25 4 3 4			9-Dec-70	3,430	121.52
USGS #40					22 S	36 E	25 4 3 4			21-Oct-65	3,430	118.07
USGS #41					22 S	36 E	26 4 1 4				3,480	
CP 00575	3	Millard Deck	STK	Shallow	22 S	36 E	27 4 3 3	N 32° 21' 19.49"	W 103° 15' 9.39"	13-Nov-78	3,505	160
USGS #42					22 S	36 E	27 2 2 2			21-Jan-76	3,500	166.68
USGS #43					22 S	36 E	27 4 4 4			21-Feb-96	3,515	188.39
USGS #44					22 S	36 E	33 2 3 2			20-Feb-96	3,475	474.08
USGS #45					22 S	36 E	35 3 1 3			15-Feb-96	3,490	180.81

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

[A] = in acre feet per annum

[B] = Interpolated from USGS Topographical Map
IND = Industrial
STK = Livestock Watering
CLW = Change Location of Well (Ground)
EXP = Expired
(quarters are 1=NW, 2=NE, 3=SW, 4=SE)
(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

ATTACHMENT I

LABORATORY RESULTS
AND
CHAIN-OF-CUSTODY FORM

ENVIRONMENTAL 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 Field Services

Project Number: None Given

Location: UL-A, Sec 2, T23S, R36E

Lab Order Number: 5C03003

Report Date: 03/09/05

Environmental Plus, Incorporated	Project: Duke Energy Field Services	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	03/09/05 16:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G-28-24 A(10')	5C03003-01	Soil	02/24/05 13:10	03/03/05 14:15
G-28-24 B(5')	5C03003-02	Soil	02/24/05 13:40	03/03/05 14:15
G-28-24 C(5')	5C03003-04	Soil	02/24/05 10:50	03/03/05 14:15
G-28-24 D(5')	5C03003-06	Soil	02/24/05 11:45	03/03/05 14:15
G-28-24 E(5')	5C03003-07	Soil	02/24/05 15:00	03/03/05 14:15
G-28-24 F(5')	5C03003-08	Soil	02/24/05 14:35	03/03/05 14:15
G-28-24 F(10')	5C03003-09	Soil	02/24/05 15:13	03/03/05 14:15

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 A(10') (5C03003-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/03/05	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		*89.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [8.09]**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**36.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**36.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.2 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.8 %*	*70-130*		"	"	"	"	
G-28-24 B(5') (5C03003-02) Soil									
Benzene	**J [0.0214]**	0.0250	mg/kg dry	25	EC50408	03/03/05	03/04/05	EPA 8021B	J
Toluene	**0.0618**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0465**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.154**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0632**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**47.8**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	
Diesel Range Organics >C12-C35	**183**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**231**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.2 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.2 %*	*70-130*		"	"	"	"	
G-28-24 C(5') (5C03003-04) Soil									
Benzene	**0.925**	0.100	mg/kg dry	100	EC50408	03/03/05	03/03/05	EPA 8021B	
Toluene	**9.00**	0.100	"	"	"	"	"	"	
Ethylbenzene	**11.0**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**27.2**	0.100	"	"	"	"	"	"	
Xylene (o)	**9.84**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*163 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**895**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	
Diesel Range Organics >C12-C35	**2300**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3200**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 C(5') (5C03003-04) Soil									
Surrogate: 1-Chlorooctane		*109 %*	*67.6-140*		*EC50307*	*03/03/05*	*03/04/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	
G-28-24 D(5') (5C03003-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/03/05	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		*94.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [7.64]**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**46.5**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**46.5**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.0 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.6 %*	*70-130*		"	"	"	"	
G-28-24 E(5') (5C03003-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/03/05	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		*92.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**J [9.32]**	10.0	mg/kg dry	1	EC50307	03/03/05	03/04/05	EPA 8015M	J
Diesel Range Organics >C12-C35	**38.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**38.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.6 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 F(5') (5C03003-08) Soil									
Benzene	**10.6**	0.100	mg/kg dry	100	EC50408	03/03/05	03/03/05	EPA 8021B	
Toluene	**74.2**	0.100	"	"	"	"	"	"	
Ethylbenzene	**38.8**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**115**	0.100	"	"	"	"	"	"	
Xylene (o)	**37.1**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*573 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*127 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**5890**	50.0	mg/kg dry	5	EC50307	03/03/05	03/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	**8390**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**14300**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*9.86 %*	*67.6-140*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*19.3 %*	*70-130*		"	"	"	"	*S-06*
G-28-24 F(10') (5C03003-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC50408	03/03/05	03/04/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0288**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**12.8**	10.0	mg/kg dry	1	EC50307	03/03/05	03/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	**59.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**71.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.0 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.2 %*	*70-130*		"	"	"	"	

Environmental Plus, Incorporated	Project: Duke Energy Field Services	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	03/09/05 16:38

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-28-24 A(10') (5C03003-01) Soil									
Chloride	**18.6**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**10.9**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 B(5') (5C03003-02) Soil									
Chloride	**17.7**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**13.7**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 C(5') (5C03003-04) Soil									
Chloride	**20.2**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 D(5') (5C03003-06) Soil									
Chloride	**24.8**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**10.3**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 E(5') (5C03003-07) Soil									
Chloride	**17.9**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**12.6**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 F(5') (5C03003-08) Soil									
Chloride	**16.5**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**9.4**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	
G-28-24 F(10') (5C03003-09) Soil									
Chloride	**17.1**	5.00	mg/kg	10	EC50905	03/07/05	03/07/05	EPA 300.0	
% Moisture	**5.4**	0.1	%	1	EC50401	03/03/05	03/04/05	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC50307 - Solvent Extraction (GC)										
Blank (EC50307-BLK1)				Prepared: 03/03/05 Analyzed: 03/04/05						
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	*37.5*		*mg/kg*	*50.0*		*75.0*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*35.4*		*"*	*50.0*		*70.8*	*70-130*			
LCS (EC50307-BS1)				Prepared: 03/03/05 Analyzed: 03/04/05						
Gasoline Range Organics C6-C12	437	10.0	mg/kg wet	500		87.4	76.3-104			
Diesel Range Organics >C12-C35	433	10.0	"	500		86.6	76.1-118			
Total Hydrocarbon C6-C35	870	10.0	"	1000		87.0	81.8-105			
Surrogate: 1-Chlorooctane	*37.1*		*mg/kg*	*50.0*		*74.2*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*38.6*		*"*	*50.0*		*77.2*	*70-130*			
Calibration Check (EC50307-CCV1)				Prepared: 03/03/05 Analyzed: 03/04/05						
Gasoline Range Organics C6-C12	478		mg/kg	500		95.6	80-120			
Diesel Range Organics >C12-C35	527		"	500		105	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	*56.0*		*"*	*50.0*		*112*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*57.2*		*"*	*50.0*		*114*	*70-130*			
Matrix Spike (EC50307-MS1)	**Source: 5C02018-01**			Prepared: 03/03/05 Analyzed: 03/07/05						
Gasoline Range Organics C6-C12	491	10.0	mg/kg dry	556	ND	88.3	75.9-114			
Diesel Range Organics >C12-C35	550	10.0	"	556	ND	98.9	85.3-122			
Total Hydrocarbon C6-C35	1040	10.0	"	1110	ND	93.7	84.4-115			
Surrogate: 1-Chlorooctane	*37.4*		*mg/kg*	*50.0*		*74.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*36.9*		*"*	*50.0*		*73.8*	*70-130*			
Matrix Spike Dup (EC50307-MSD1)	**Source: 5C02018-01**			Prepared: 03/03/05 Analyzed: 03/07/05						
Gasoline Range Organics C6-C12	507	10.0	mg/kg dry	556	ND	91.2	75.9-114	3.21	10.4	
Diesel Range Organics >C12-C35	518	10.0	"	556	ND	93.2	85.3-122	5.99	10.4	
Total Hydrocarbon C6-C35	1030	10.0	"	1110	ND	92.8	84.4-115	0.966	7.6	
Surrogate: 1-Chlorooctane	*35.9*		*mg/kg*	*50.0*		*71.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*35.6*		*"*	*50.0*		*71.2*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC50408 - EPA 5030C (GC)										
Blank (EC50408-BLK1)				Prepared: 03/03/05 Analyzed: 03/04/05						
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	*91.9*		*ug/kg*	*100*		*91.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.1*		*"*	*100*		*98.1*	*80-120*			
LCS (EC50408-BS1)				Prepared & Analyzed: 03/03/05						
Benzene	111		ug/kg	100		111	80-120			
Toluene	115		"	100		115	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	238		"	200		119	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*111*		*"*	*100*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			
Calibration Check (EC50408-CCV1)				Prepared: 03/03/05 Analyzed: 03/04/05						
Benzene	101		ug/kg	100		101	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	89.3		"	100		89.3	80-120			
Xylene (p/m)	199		"	200		99.5	80-120			
Xylene (o)	96.7		"	100		96.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*99.0*		*"*	*100*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.2*		*"*	*100*		*85.2*	*80-120*			
Matrix Spike (EC50408-MS1)	**Source: 5C03004-02**			Prepared & Analyzed: 03/03/05						
Benzene	114		ug/kg	100	ND	114	80-120			
Toluene	120		"	100	ND	120	80-120			
Ethylbenzene	110		"	100	ND	110	80-120			
Xylene (p/m)	237		"	200	ND	118	80-120			
Xylene (o)	117		"	100	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*117*		*"*	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			

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 EC50408 - EPA 5030C (GC)										
Matrix Spike Dup (EC50408-MSD1)	**Source: 5C03004-02**		Prepared & Analyzed: 03/03/05							
Benzene	99.8		ug/kg	100	ND	99.8	80-120	13.3	20	
Toluene	100		"	100	ND	100	80-120	18.2	20	
Ethylbenzene	92.6		"	100	ND	92.6	80-120	17.2	20	
Xylene (p/m)	208		"	200	ND	104	80-120	12.6	20	
Xylene (o)	101		"	100	ND	101	80-120	14.7	20	
Surrogate: a,a,a-Trifluorotoluene	*94.2*		"	*100*		*94.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.7*		"	*100*		*91.7*	*80-120*			

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 EC50401 - General Preparation (Prep)										
Blank (EC50401-BLK1)				Prepared: 03/03/05 Analyzed: 03/04/05						
% Moisture	0.1	0.1	%							
Duplicate (EC50401-DUP1)		**Source: 5C02018-01**		Prepared: 03/03/05 Analyzed: 03/04/05						
% Moisture	12.0	0.1	%		10.1			17.2	20	
Batch EC50905 - Water Extraction										
Blank (EC50905-BLK1)				Prepared & Analyzed: 03/07/05						
Chloride	ND	0.500	mg/kg							
Blank (EC50905-BLK2)				Prepared & Analyzed: 03/07/05						
Chloride	ND	0.500	mg/kg							
LCS (EC50905-BS1)				Prepared & Analyzed: 03/07/05						
Chloride	9.87		mg/L	10.0		98.7	80-120			
LCS (EC50905-BS2)				Prepared & Analyzed: 03/07/05						
Chloride	9.76		mg/L	10.0		97.6	80-120			
Calibration Check (EC50905-CCV1)				Prepared & Analyzed: 03/07/05						
Chloride	9.45		mg/L	10.0		94.5	80-120			
Calibration Check (EC50905-CCV2)				Prepared & Analyzed: 03/07/05						
Chloride	9.38		mg/L	10.0		93.8	80-120			
Duplicate (EC50905-DUP1)		**Source: 5C03002-01**		Prepared & Analyzed: 03/07/05						
Chloride	284	10.0	mg/kg		282			0.707	20	

Environmental Plus, Incorporated	Project: Duke Energy Field Services	Fax: 505-394-2601
P.O. Box 1558	Project Number: None Given	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	03/09/05 16:38

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 EC50905 - Water Extraction										
Duplicate (EC50905-DUP2)		**Source: 5C04012-02**		Prepared & Analyzed: 03/07/05						
Chloride	986	50.0	mg/kg		1040			5.33	20	

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Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3/9/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas, Inc.

Chain of Custody Form

12600 West I-20 East, Odessa Texas 79763
432-563-1800 FAX: 432-563-1713

Company Name:	Environmental Plus, Inc.
EPI Project Manager:	Iain Olness
Mailing Address:	P.O. BOX 1558
City, State, Zip:	Eunice New Mexico 88231
EPI Phone#/Fax#:	505-394-3481 / 505-394-2601
Client Company:	Duke Energy Field Services
Facility Name:	G-28-24 (Ref. #130015)
Project Location:	UL-A, Sec 2, T23S, R36E
EPI Sampler Name:	Felix Hernandez

Bill To

Duke Energy

Attn: Polo Rendon
11525 West Carlsbad Highway,
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl⁻)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
5C03003																										
-01 1	G-28-24 A(10')	G	1			X					X		24-Feb	13:10	X	X	X									
-02 2	G-28-24 B(5')	G	1			X					X		24-Feb	13:40	X	X	X									
-03 3	G-28-24 B(8')	G	1			X					X		24-Feb	13:50	X	X	X	SEE REMARKS								
-04 4	G-28-24 C(5')	G	1			X					X		24-Feb	10:50	X	X	X									
-05 5	G-28-24 C(15')	G	1			X					X		24-Feb	11:20	X	X	X	SEE REMARKS								
-06 6	G-8-24 D(5')	G	1			X					X		24-Feb	11:45	X	X	X									
-07 7	G-28-24 E(5')	G	1			X					X		24-Feb	15:00	X	X	X									
-08 8	G-28-24 F(5')	G	1			X					X		24-Feb	14:35	X	X	X									
-09 9	G-28-24 F(10')	G	1			X					X		24-Feb	15:13	X	X	X									
~~Tock~~ 10																										

Sampler Relinquished: Iain Olness — Date: 3 March 05 — Time: 0900

Relinquished by: — Date: — Time:

Delivered by: Eddie J Hayes

Received By: — Received By: (lab staff) 3/3/05 2:15

Sample Cool & Intact: (Yes) No

Checked By:

E-mail results to: iolness@hotmail.com

REMARKS: Only analyze G-28-24 B(8') if analytical results for G-28-24 B(5') indicated benzene >10 ppm, BTEX > 50 ppm and/or TPH >5,000 ppm. Only analyze G-28-24 C(15') if analytical results for G-28-24 C(5') indicated benzene >10 ppm, BTEX > 50 ppm and/or TPH >5,000 ppm. If chloride results for G-28-24 B(5') are >250 ppm, then analyze G-28-24 B(8') for chloride. If chloride results for G-28-24 C(5') are >250 ppm, then analyze G-28-24 C(15') for chloride. **ANY QUESTIONS, PLEASE CALL IAIN @ (505) 394-3481.**

4°c

4oz jar

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

Client: Duke Energy

Date/Time: 3/3/05 2:00

Order #: 5C03003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 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:

_____

_____

_____

_____

_____

_____

_____

_____

ATTACHMENT II

COPY OF INITIAL C-141

facility ID = fPAC052846478

Inspect 46750

application 46792

Duke Energy Field Services

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 –INFORMATIONAL ONLY

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Duke Energy Field Services	**Contact:** Mark Owens
Address: 1625 West Marland, Hobbs, NM 88240	**Telephone No.:** (505) 397-5541
Facility Name: G-28-24	**Facility Type:** 8" steel pipeline

Surface Owner: State of New Mexico	**Mineral Owner:**	**Lease No.:**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	2	23 S	36 E					Lea

Latitude: N 32° 20' 25.042" **Longitude:** W 103° 13' 40.062"

NATURE OF RELEASE

Type of Release: Natural Gas Pipeline Fluids	**Volume of Release:** 15 barrels	**Volume Recovered:** 10 barrels
Source of Release: 8" low-pressure steel pipeline	**Date and Hour of Occurrence:** 23 January 2005	**Date and Hour of Discovery:** 23 January 2005
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	**If YES, To Whom?**	
By Whom?	**Date and Hour**	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.**	

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

Describe Cause of Problem and Remedial Action Taken.*
8" steel line began leaking, probably due to internal corrosion. A line clamp was installed and the line shut-in until it can be replaced with polyethylene.

Describe Area Affected and Cleanup Action Taken.* The affected area consists of approximately 2,000 square feet of pasture land leased by B. W. Dinwiddie. A vacuum truck was utilized to pick up the free liquids. A total of 10 barrels of NGPF was recovered. The leak origin was excavated and a clamp installed. After the clamp had been installed, the excavation was backfilled and the release area was back dragged to "blend" the soil until such time that remedial activities can be completed. The line was shut-in and is currently scheduled for replacement.

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

Signature:	**OIL CONSERVATION DIVISION**	
Printed Name: Mark Owens	**Approved by District Supervisor:**	
Title: Construction Maintenance Supervisor	**Approval Date:**	**Expiration Date:**
E-mail Address: mrowens@duke-energy.com	**Conditions of Approval:**	**Attached** ☐
Date: **Phone:**		

* Attach Additional Sheets If Necessary

Duke Energy Field Services

Duke Energy Field Services Site Information and Metrics	**Incident Date:** 23 January 2005	**NMOCD Notified:** 3 February 2005

Site: G-28-24	**Assigned Site Reference #:** 130015
Company: Duke Energy Field Services	
Street Address:	
Mailing Address: 1625 West Marland	
City, State, Zip: Hobbs, New Mexico 88240	
Representative: Mark Owens	
Representative Telephone: (505) 397-5541	
Telephone:	
Fluid volume released (bbls): ~~15 barrels~~	**Recovered (bbls):** 10 barrels
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: G-28-24	
Source of contamination: 8" steel line began leaking, probably due to internal corrosion. Line clamp installed, line shut-in and scheduled for replacement.	
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico	
LSP Dimensions: 40 feet by 50 feet	
LSP Area: ≈2,000 ft²	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: N 32° 20' 25.042"	
Longitude: W 103° 13' 40.062"	
Elevation above mean sea level: 3,447	
Feet from South Section Line:	
Feet from West Section Line:	
Location- Unit or ¼¼: NE¼ of the NE¼	**Unit Letter:** A
Location- Section: 2	
Location- Township: T23S	
Location- Range: R36E	
Surface water body within 1000 ' radius of site: none	
Domestic water wells within 1000' radius of site: none	
Agricultural water wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to ground water (DG): >150 feet	
Depth of contamination (DC): ≈ 5 feet	
Depth to ground water (DG – DC = DtGW): >100 feet	

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

Site Rank (1+2+3) = 0

Total Site Ranking Score and Acceptable Concentrations

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

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