

DUKE ENERGY FIELD SERVICES



IRP-64
10/13/05

SITE INVESTIGATION, REMEDIATION, AND FINAL C-141 CLOSURE DOCUMENTATION

G28 80502 RELEASE SITE

DEFS REF: G28 80502

UL-O SW¼ OF THE SE¼ OF SECTION 32 T21S R36E

~7 MILES WEST OF EUNICE

LEA COUNTY, NEW MEXICO

LATITUDE: 32°25'48.31"N

LONGITUDE: 103°17'03.09"W

SEPTEMBER 19, 2002

PREPARED BY: JCG

Environmental Plus, Inc.

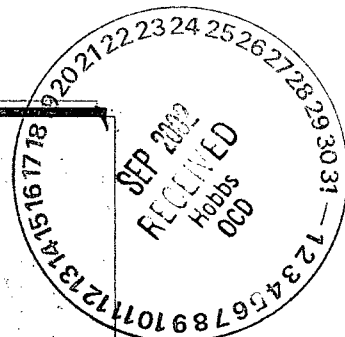
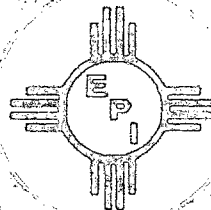
2100 Avenue O

P.O. Box 1558

Eunice, NM 88231

Phone: (505)394-3481

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

September 26, 2002

Mr. Paul Mulkey
Duke Energy Field Services
11525 W. Carlsbad Hwy
Hobbs, NM 88240

pdmulkey@duke-energy.com

Re: Closure Approval, G-28 80502 20" Line
Site Reference UL-O, Sec-32 T-21S R-36E
Initial Notification Date: August 5, 2002
Closure Request Dated: September 19, 2002

Dear Mr. Mulkey,

The **Final Closure Document** submitted to the New Mexico Oil Conservation Division (OCD) by Environmental Plus, Inc. for Dule Energy Field Services is **hereby approved**. According to the information provided, no further action is required at this time.

Please be advised that OCD approval does not relieve Dule Energy Field Services of liability should remaining contaminants pose a future threat to ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Dule Energy Field Services of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please feel free to call me at (505) 393-6161, x111 or email lwjohnson@state.nm.us

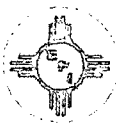
Sincerely,

Larry Johnson - Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief
Chris Williams - District I Supervisor
Bill Olson - Hydrologist
Paul Sheeley-Environmental Engineer

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ENVIRONMENTAL PLUS, INC. *Micro-Blaze Micro-Blaze Out™*

STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

September 19, 2002

Mr. Larry Johnson
Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division
1625 North French Dr.
Hobbs, New Mexico 88240

Subject: Duke Energy Field Services – G-28 80502 Final C-141 and Closure Documentation

Dear Mr. Johnson:

Environmental Plus, Inc. (EPI), on behalf of Duke Energy Field Services (DEFS) submits for your consideration and approval the Final C-141 and Closure Documentation for the "G-28 80502" remediation site. This report documents the vertical and horizontal extents of hydrocarbon contamination at the site, removal of contaminated soils above acceptable CoC levels, and the disposal of said contaminated soils at EPI's approved land farm consistent with the Initial C-141 and Remediation Plan submitted to NMOCD on August 13, 2002. EPI, on behalf of DEFS, therefore requests that the NMOCD consider the information provided within this documentation and require "no further action" at this site.

If there are any questions please call Mr. Ben Miller or myself at EPI's offices, or at 505-390-0288 or 505-390-9804 respectively. Mr. Paul Mulkey of Duke Energy Field Services can be contacted at 505-397-5716.

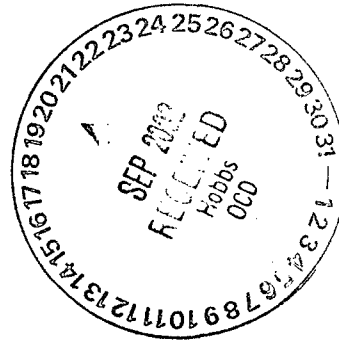
All official correspondence should be addressed to:

Mr. Paul Mulkey
Duke Energy Field Services
11525 West Carlsbad Highway
Hobbs, New Mexico 88240

Sincerely,

John Good, Environmental Consultant

cc: Frank Paul Mulkey, Duke Energy Field Services, w/enclosure
Sherry Miller, EPI President
Ben Miller, EPI Vice President and General Manager
File



ENVIRONMENTAL PLUS, INC.

Executive Summary

Environmental Plus, Inc. (EPI) was notified by Duke Energy Field Services (DEFS) on 5-Aug-02 regarding a pipeline release site involving DEFS' "G-28" 20-inch natural gas gathering pipeline. DEFS' initial C-141 (5-Aug-02) indicates a natural gas liquid (NGL) release in excess of 25 bbl. The leak was a result of internal pipeline corrosion. Repairs were made on the 20-inch steel pipeline line at two locations within the exposed pipeline section by clamping.

Characterization and remedial work at the site was done by EPI during the period 5-Aug-02 through 28-Aug-02. The "G28 80502" site is located 7-miles west of Eunice, NM, in UL-O, Section 32 T21S R36E. The spill occurred on property owned by the State of New Mexico. The surface extent of the spill was approximately 15,000 ft² (see Plate 3, attachments). The vertical extent of contamination ranged from 3-ft along the access road down to ~10-ft in the area associated with the Point of Release (POR).

EPI excavated and disposed of 1078-yd³ of contaminated soil from the site commencing on 6-Aug-02. In addition, 640-yd³ of moderately contaminated soil was excavated from the bottom 4-ft of the POR area and used to blend with 800-yd³ of clean soil for use as backfill. Composite bottom-hole and sidewall soil samples were submitted to Cardinal Laboratories, Hobbs, NM on 9-Aug-02 and 13-Aug-02. Results of these analyses confirmed that TPH, BTEX, and Benzene levels were below threshold levels throughout the site, and that chloride levels were within acceptable limits (~250 mg/kg) so as to not pose a threat to any ground water present.

All contaminated soil removed from the site was disposed of at EPI's land farm. The excavation was backfilled and contoured to prevent pooling. The surface damaged areas beyond road or pipeline rights-of-way will be evaluated for new growth in Spring-2003 and reseeded with natural grasses if deemed necessary at that time.

1.0 Introduction

This report addresses the site investigation and remediation of the DEFS "G28 80502" natural gas 20" gathering line remediation site. EPI was notified on August 5, 2002 by DEFS regarding a natural gas and associated NGL release at this site. The initial C-141 Form submitted to NMOCD (05-Aug-02) reports the release volume (NGL) as >25 bbl. EPI responded the following day (August 6, 2002) and commenced GPS delineation, characterization and preliminary excavation of the contaminated soil in the immediate area of the leak. The site consisted of an area ~130-ft X ~35-ft (~3,900-ft²) in the area of the pipeline leak and a linear affected area extending from the release source ~850-ft eastward along the north edge of the caliche road accessing the site. Remedial activities at the site consisted of excavation, soil analyses, backfilling and contouring. Remediation of the site was completed on 28-Aug-02.

2.0 Background

The site is associated with the DEFS - G28 natural gas 20" pipeline. This release site is located in Unit Letter O, (SW¼ of the SE¼), Section 32, T21S, R36E, (32°25'48.31"N and 103°17'03.09"W), and approximately 7 miles west of Eunice, NM. The property is owned by the State of New Mexico. A location map, a topographical map of the site and a detailed GPS site map are included as Attachments.

The natural gas and associated NGL release at this site was discovered on 05-Aug-02. The leak was the result of internal pipe corrosion. The pipe was clamped and repaired by DEFS personnel.

3.0 Site Description

3.1 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil." The release site is located in the Eunice Plain physiographic subdivision, described by Nicholson & Clebsch as an area "underlain by a hard caliche surface and is almost entirely covered by reddish-brown dune sand". The thickness of the sand cover ranges from 2-5 feet in most areas to as much as 20-30 feet in drift areas.

3.2 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Quercus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses, flowering annuals and flowering perennials. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

3.3 Area Ground Water

The unconfined ground water aquifer at this site is conservatively estimated to be >150-ft bgs. The site is located in the Eunice Plain physiographic area approximately 7-miles west of Eunice, NM. Water Column Reports obtained from the NM State Engineers Office and NM Tech University (below) indicate water depths in the range 106-247-ft bgs in Range 36E and Townships 21-22S (Average = 183-ft bgs). Ground water gradient in this area is generally to the southeast.

WATER COLUMN REPORT 8/9/02 - NM State Engineer & NM Tech*									
Well	Tws	Rng	Sec	Q	Q	Q	Well Depth	Water Depth	Water Column
CP734	21S	36E	16	1			215	200	15
CP505	21S	36E	16	2			215	195	20
CP676	21S	36E	18	4	4	1	140	106	34
CP664	21S	36E	23	2			185	150	35
CP484	21S	36E	25	4	2		207	148	59
#4737*	21S	36E	29	4	1		305	247	58
#4715*	21S	36E	29	3	1		244	231	13
#4719*	21S	36E	29	4	2		380	241	139
#4584*	21S	36E	33	2	3		242	205	37
CP763	22S	36E	1	3	2	2	265	137	128
#4493*	22S	36E	3	1	1		NR	186	NR
CP469	22S	36E	6	3	2	1	220	195	25
#4440*	22S	36E	6	4	4		174	171	3
CP753	22S	35E	14	2	2		215	185	30
CP070	22S	36E	16	1	2	2	220	170	50
CP575	22S	36E	27	4	3		198	160	38
Average depth to water =								183	
Quarters (Q) are 1=NW 2=NE 3=SW 4=SE; biggest to smallest									

3.4 Area Water Wells

All recorded wells are greater than 1000 horizontal feet from the site.

3.5 Area Surface Water Features

No surface water bodies exist within 1000 horizontal feet of the site.

4.0 NMOCD Site Ranking

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

- ♦ Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- ♦ Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for contaminants/constituents of concern (CoCs), i.e., TPH^{8015m}, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylenes (BTEX), was determined based on the NMOCD Ranking Criteria as follows:

- ♦ Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- ♦ Wellhead Protection Area, i.e., distance from fresh water supply wells.
- ♦ Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

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

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water	
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	
Depth to GW 50 to 99 feet: 10 points		200-1000 horizontal feet: 10 points	
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 Score= 0	Surface Water Score= 0	
Site Rank (1+2+3) = 0 + 0 + 0 = 0 points (for soil 0-50'bgs)			
Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Parameter	20+ (soil 100 – 150' bgs)	10 (soil 50 – 100'bgs)	0 (soil 0 – 50' bgs)
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

5.0 Subsurface Soil Investigation

The first subsurface soil analyses were conducted on composite samples taken from the bottom (3-ft) of the contaminated flow path along the north side of the east-west caliche access road. Field VOC tests indicated levels of <50 ppm. Lab analyses confirmed that the flow path bottom-hole soil left in place had an average TPH level of 48 mg/kg, an average Benzene level of <0.005 mg/kg, an average BTEX level of <0.030 mg/kg and an average Cl⁻ level of 96 mg/kg. These levels of CoC's are well below the remedial goals for this site.

The primary excavation of the project was at the point of release (POR). In this area, an approximate 130-ft X 35-ft area was excavated down to a depth of 10-ft. The horizontal and vertical extents of the excavation were determined in progress with field VOC analyses of the bottom-hole and sidewalls of the excavation. Once VOC levels of ~50 ppm were achieved, composite bottom-hole and sidewall samples of the excavation were taken and submitted to Cardinal Laboratories, Hobbs, NM, for analyses. All composite samples were minimum 5-point composites. Lab analyses of the bottom-hole composite samples (10-ft depth) indicate the following contamination levels (average): TPH- 26.0 mg/kg; Benzene - <0.005 mg/kg; BTEX - 0.031 mg/kg; and, Chlorides - 213 mg/kg. Analyses of the side wall (5-ft to 10-ft) composite samples indicate the following average contamination levels: TPH - <20 mg/kg; Benzene - <0.005 mg/kg; BTEX - <0.031 mg/kg; and, Chlorides - 261 mg/kg. These final bottom-hole and sidewall composite samples indicate that all soil with CoC levels above NMOCD allowable limits have been removed from the site.

Laboratory analytical reports, a summary table of all analytical results and graphical representations of the analytical data are provided in the Attachments.

6.0 Ground Water Investigation

Ground water depth is conservatively estimated to be >150' bgs at the site. The site was excavated to a maximum depth of 10-feet. Final CoC levels of the bottom-hole and sidewalls of the excavation were analyzed to be within the following ranges: TPH - 0 to 39.4 ppm; Benzene - 0 to 0.005 ppm; BTEX - 0 to 0.033 ppm; Cl⁻ - 144 ppm to 368 ppm. The excavation was backfilled with a blended soil mixture having a TPH contamination level of <166 mg/kg, Benzene level of <0.005 mg/kg, BTEX level of <4.1 mg/kg and a chloride level of <250 mg/kg. There will be no need for further ground water investigation at this site.

7.0 Remediation

Remediation of the site commenced on 5-Aug-02 and continued through 28-Aug-02. Remediation of the site consisted of excavation and disposal of 1078 yd³ of contaminated soil. Approximately 280-yd³ was excavated from the surface flow path that extended ~850-ft along the caliche road accessing the site from the east. This flow path excavation was backfilled with clean soil obtained from the caliche road periphery. Approximately 800-yd³ was excavated and disposed of from the area associated with the POR (~3900-ft² to a depth of 5½ to 6-ft). All contaminated soil removed from the site was disposed of in EPI's approved land farm. The bottom 4 to 4½-ft of the POR excavation (~640-yd³) was stockpiled, composite sampled and eventually blended with ~800-yd³ of on-site clean soil and used as backfill for the POR excavation.

300-yd³ of caliche was purchased from the State of New Mexico and utilized to re-surface the access road and pipeline right-of-way with a 3 to 4-inch layer of compacted caliche.

The excavated areas (flow path and POR) were composite sampled once adequate depth and lateral extent had been demonstrated by field VOC testing utilizing Photo Ionization Detection (PID) technology. Attenuation levels consistent with NMOCD remedial goals were attained at the site (*see Section 5.0 - Subsurface Soil Investigation*). The site was backfilled and properly contoured to prevent pooling of rainwater on the excavation surface. The surface damaged areas beyond road or pipeline rights-of-way will be evaluated for new growth in Spring-2003 and reseeded with natural grasses if deemed necessary at that time.

8.0 Closure Justification

This report documents successful implementation of the Remediation Plan approved by NMOCD for this release site. Soil contaminated above acceptable CoC remedial concentrations was excavated and removed from the location. Disposal of RCRA exempt contaminated soils was at EPI's approved land farm. The excavation was backfilled with soil attenuated by blending and properly contoured to provide adequate drainage. Based on the data presented in this report, Environmental Plus, Inc., on behalf of Duke Energy Field Services, requests that the NMOCD require "no further action" at this site.

ATTACHMENTS

Plate 2: Site Topography Map

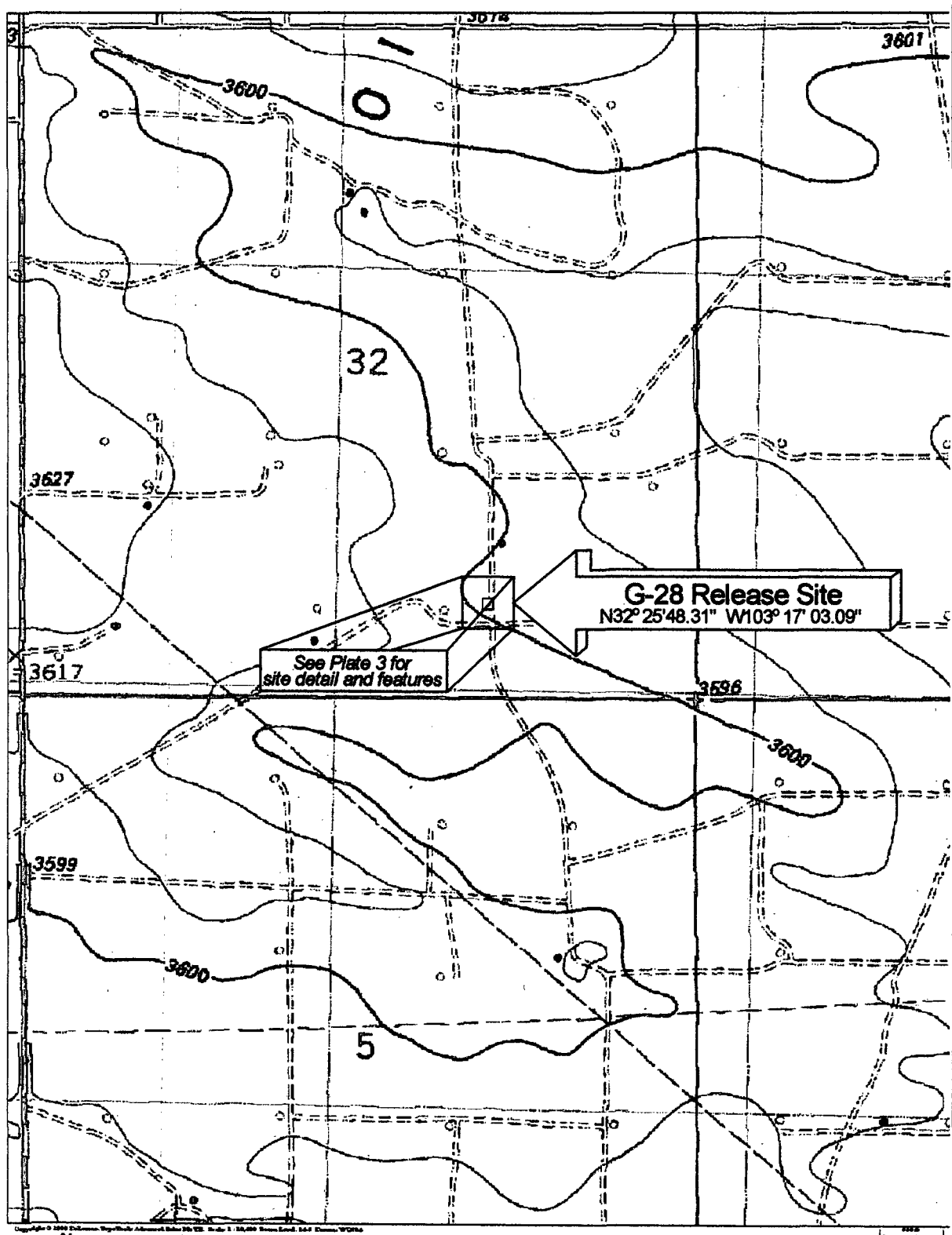


Plate 2: Site Topography and Release Location
Duke Energy Field Services - G28 80502
Lea County, NM; UL-O Section 32 T21S R36E

Plate 3: GPS Demarcation with Site Features

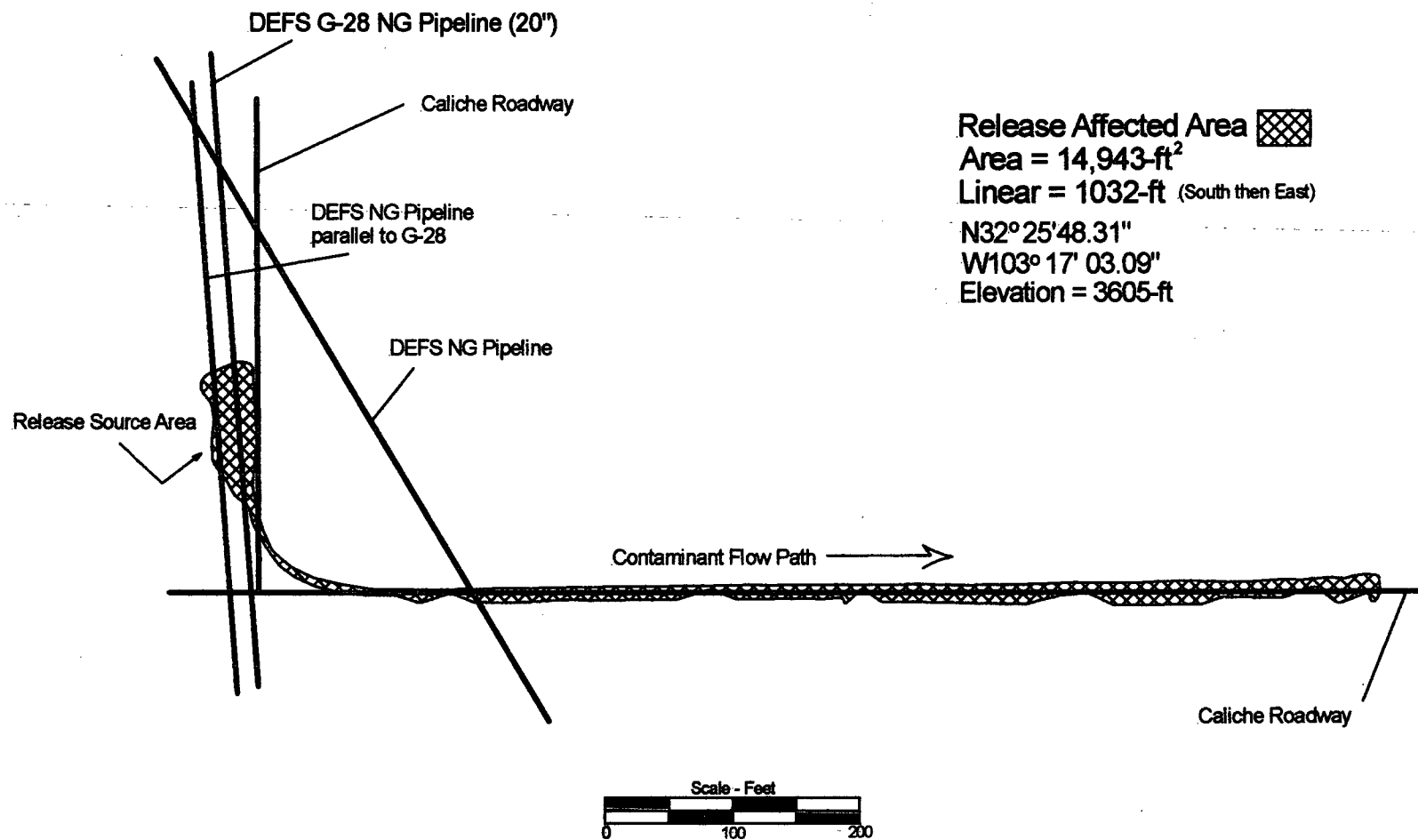
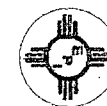


Plate 3: Release Site GPS Demarcation
 Duke Energy Field Services - G28 80502
 Lea County, NM; UL-O Section 32 T21S R36E



Drawn By: JCG
 Date: Aug-02
 Revised: Sept-02

Duke Energy Field Services - G28 80502 - Excavation Sampling Results

Bold highlighted cells indicate values in excess of the NMOCD remedial action guideline thresholds: TPH = 5000 mg/Kg; Benzene = 10 mg/Kg; BTEX = 50 mg/Kg; Cl = 250 + background

Sample Date	Excavation Sampling Area	Depth (ft - bgs ¹)	SAMPLE ID#	VOC ² ppm	GRO ³ mg/Kg	DRO ⁴ mg/Kg	TPH ⁵ mg/Kg	BTEX ⁶ mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	Total Xylenes mg/Kg	Cl mg/Kg
9-Aug	FlowPath West	3-ft	SDG28080902WFP3		10	10	20	0.030	0.005	0.005	0.005	0.015	80.0
9-Aug	FlowPath Center	3-ft	SDG28080902CFP3		10	54	64	0.030	0.005	0.005	0.005	0.015	112.0
9-Aug	FlowPath East	3-ft	SDG28080902EFP3		10	51	61	0.030	0.005	0.005	0.005	0.015	96.0
9-Aug	Average	3-ft	Combined Averages		10	38	48	0.030	0.005	0.005	0.005	0.015	96.0
13-Aug	BottomHole - South	10-ft	SDG288050281302SQCBH		10	29	39	0.033	0.005	0.005	0.005	0.018	144.0
13-Aug	BottomHole - Center	10-ft	SDG288050281302MQCBH		10	10	20	0.030	0.005	0.005	0.005	0.015	176.0
13-Aug	BottomHole - North	10-ft	SDG288050281302NQCBH		10	10	20	0.030	0.005	0.005	0.005	0.015	320.0
13-Aug	Average	10-ft	Combined Averages		10	16	26	0.031	0.005	0.005	0.005	0.016	213.3
13-Aug	SideWalls - South	5-10-ft	SDG288050281302SQCSW		10	10	20	0.030	0.005	0.005	0.005	0.015	144.0
13-Aug	SideWalls - Center	5-10-ft	SDG288050281302MQCSW		10	10	20	0.030	0.005	0.005	0.005	0.015	368.0
13-Aug	SideWalls - North	5-10-ft	SDG288050281302NQCSW		10	10	20	0.030	0.005	0.005	0.005	0.015	272.0
13-Aug	Average	5-10-ft	Combined Averages		10	10	20	0.030	0.005	0.005	0.005	0.015	261.3
13-Aug	Spoils Pile	NA	SDG288050281302SPC		22	144	166	4.136	0.005	0.419	0.832	2.880	336.0

¹ bgs = below ground surface ² VOC = Volatile Organic Constituents; (note: 100 ppm Isobutylene calibration gas = 101 ppm)

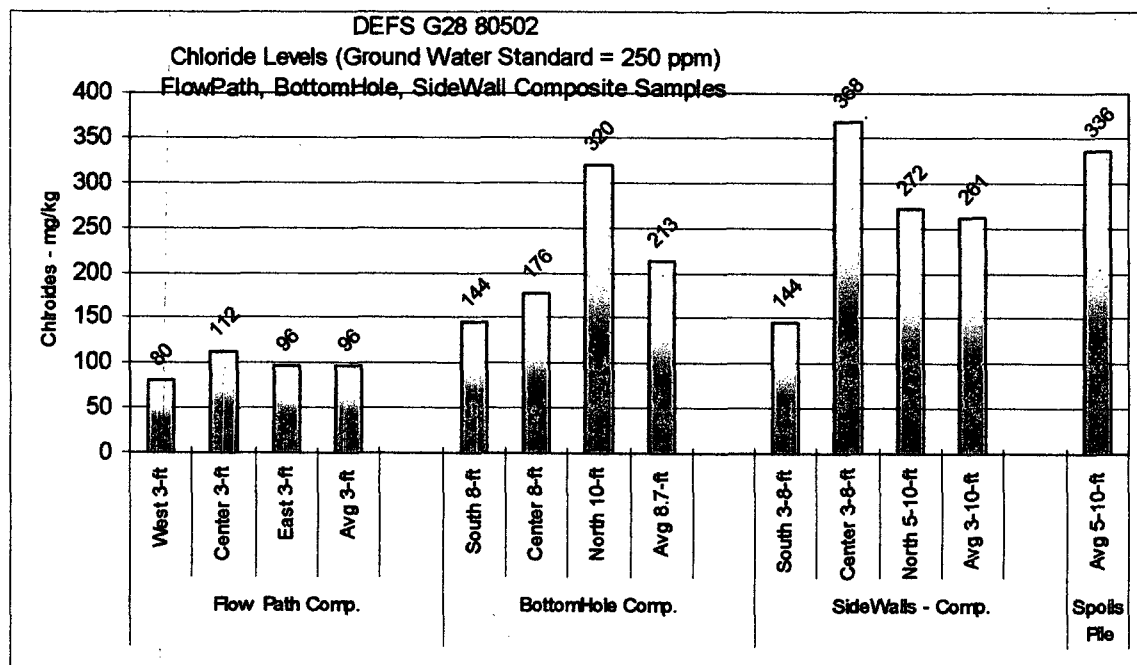
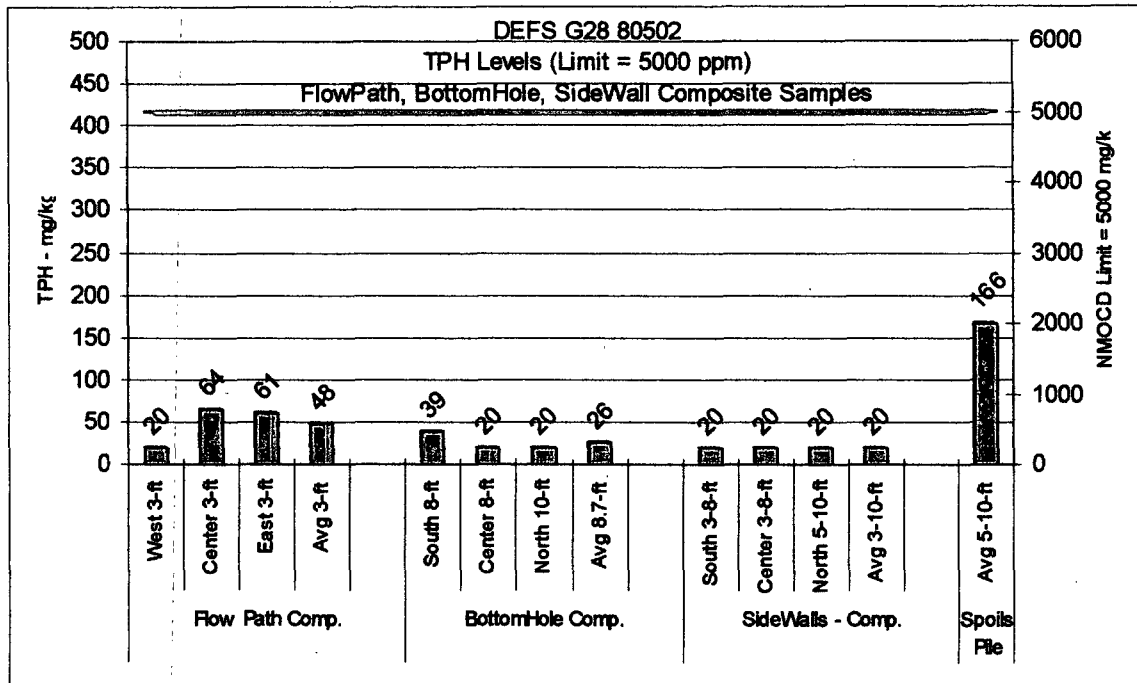
³ GRO - Gasoline Range Organics (Detection Limit = 10 mg/Kg) ⁴ DRO - Diesel Range Organics (Detection Limit = 10 mg/Kg) ⁵ TPH - Total Petroleum Hydrocarbon (GRO+DRO)

⁶ BTEX = Sum of CoC's (Detection Limits = 0.005 mg/Kg; 0.015 mg/Kg) Note: Reported detection limits are considered "de minimus" values and are included in the TPH and BTEX summations.

Summary Table - Analytical Data

Duke Energy Field Services

Bar Charts: Composite TPH and Chloride Analyses



Lab Analyses Reports and Chain-of-Custody Forms



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

FAX TO: (505) 394-2601

Project Location: NOT GIVEN

Analyzed By: BC/AH

*Analyses performed on 1:4 w:v aqueous extracts.

8/15/02
Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES

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

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

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC.

ATTN: PAT McCASLAND

P.O. BOX 1558

EUNICE, NM 88231

FAX TO: (505) 394-2601

Receiving Date: 08/14/02

Reporting Date: 08/15/02

Project Owner: DUKE ENERGY FIELD SERVICES

Project Name: G-28 LOOP LINE

Project Location: NOT GIVEN

Sampling Date: 08/09/02

Sample Type: SOIL

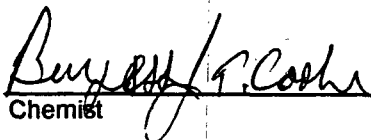
Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/14/02	08/14/02	08/14/02	08/14/02
H6952-1	SDG28080902WFP3'	<0.005	<0.005	<0.005	<0.015
H6952-2	SDG28080902CFP3'	<0.005	<0.005	<0.005	<0.015
H6952-3	SDG28080902EFP3'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.099	0.090	0.096	0.279
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.0	90.2	95.6	93.1
Relative Percent Difference		3.3	3.3	0.8	1.3

METHOD: EPA SW-846 8260


Chemist

8/15/02
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Cardinal shall not be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

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

Sampler Relinquished:	Date 8.13.02	Received By:	Fax Results To Pat McCasland 505-394-2601 REMARKS:
<i>Bradley E. Brown</i>	Time 11:06		
Relinquished by:	Date	Received By: (lab staff)	
	Time	<i>Burton J. Cash</i>	
Delivered by Sampler	Sample Cool & Intact <input checked="" type="radio"/> Yes <input type="radio"/> No	Checked By:	

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

Sampler Relinquished: <i>Bill Trull</i>	Date: <u>8-14-07</u> Time: <u>7:00</u>	Received By: <i>John Good</i>	Fax Results To Pat McCasland 505-394-2601 REMARKS:
Relinquished by: <i>John Good</i>	Date: <u>8/14/02</u> Time: <u>11:04</u>	Received By: (lab staff) <i>Pat McCasland</i>	
Delivered by Sampler	Sample Cool & Intact Yes No	Checked By:	



ARDINAL LABORATORIES

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

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

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC.

ATTN: JOHN GOOD
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 08/13/02
Reporting Date: 08/14/02
Project Owner: DUKE ENERGY
Project Name: DUKE G-28 8502 LINE
Project Location: NOT GIVEN

Sampling Date: 08/13/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
		08/13/02	08/13/02	08/13/02
H6951-1	SDG288050281302SPC	21.7	144	336 ✓
H6951-2	SDG288050281302SQCBH	<10.0	29.4	144
H6951-3	SDG288050281302SQCSW	<10.0	<10.0	144
H6951-4	SDG288050281302NQCSW	<10.0	<10.0	272
H6951-5	SDG288050281302NQCBH	<10.0	<10.0	320 ✓
H6951-6	SDG288050281302MQCBH	<10.0	<10.0	176
H6951-7	SDG288050281302MQCSW	<10.0	<10.0	368 ✓
Quality Control		778	809	1030
True Value QC		800	800	1000
% Recovery		97.2	101	103
Relative Percent Difference		4.0	6.9	1.2

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B

*Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H6951A.XLS

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

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

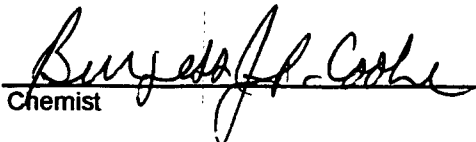
ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: JOHN GOOD
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

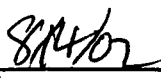
Receiving Date: 08/13/02
Reporting Date: 08/14/02
Project Owner: DUKE ENERGY
Project Name: DUKE G-28 8502 LINE
Project Location: NOT GIVEN

Sampling Date: 08/13/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/13/02	08/13/02	08/13/02	08/13/02
H6951-1	SDG288050281302SPC	<0.005	0.419	0.832	2.88
H6951-2	SDG288050281302SQCBH	<0.005	<0.005	<0.005	0.018
H6951-3	SDG288050281302SQCSW	<0.005	<0.005	<0.005	<0.015
H6951-4	SDG288050281302NQCSW	<0.005	<0.005	<0.005	<0.015
H6951-5	SDG288050281302NQCBH	<0.005	<0.005	<0.005	<0.015
H6951-6	SDG288050281302MQCBH	<0.005	<0.005	<0.005	<0.015
H6951-7	SDG288050281302MQCSW	<0.005	<0.005	<0.005	<0.015
Quality Control		0.096	0.093	0.095	0.276
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.8	93.2	94.8	92.0
Relative Percent Difference		4.4	1.0	0.3	<0.1

METHOD: EPA SW-846 8260


Chemist


Date

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

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

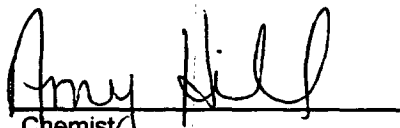
ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 08/22/02
Reporting Date: 08/23/02
Project Owner: DEFS
Project Name: G28 80502
Project Location: UL-O SEC32 T21S R36E

Analysis Date: 08/23/02
Sampling Date: 08/21/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H6980-1	SDG2882102SBHC	144
H6980-2	SDG2882102NBHC	304
H6980-3	SDG2882102EBHC	304
H6980-4	SDG2882102WBHC	160
H6980-5	SDG2882102CBHC	256
H6980-6	SDG2882102SPC	192
Quality Control		1030
True Value QC		1000
% Recovery		103
Relative Percent Difference		1.2

METHOD: Standard Methods	4500-Cl ⁻ B
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Chemist

8-23-02
Date

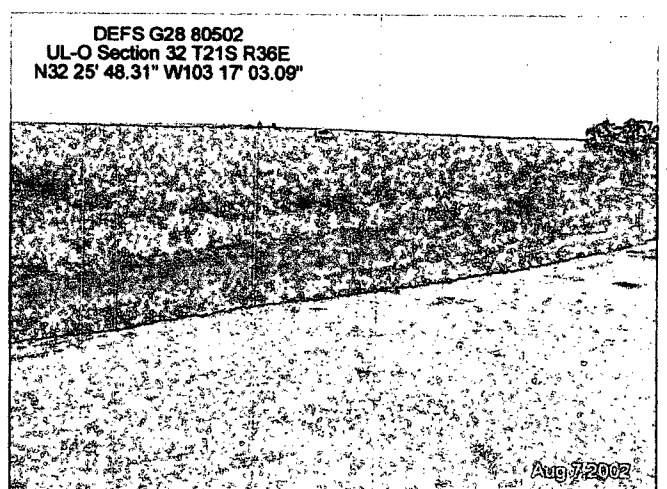
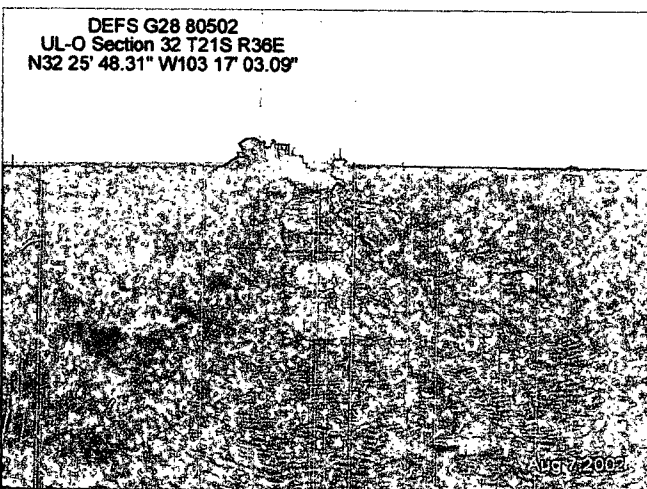
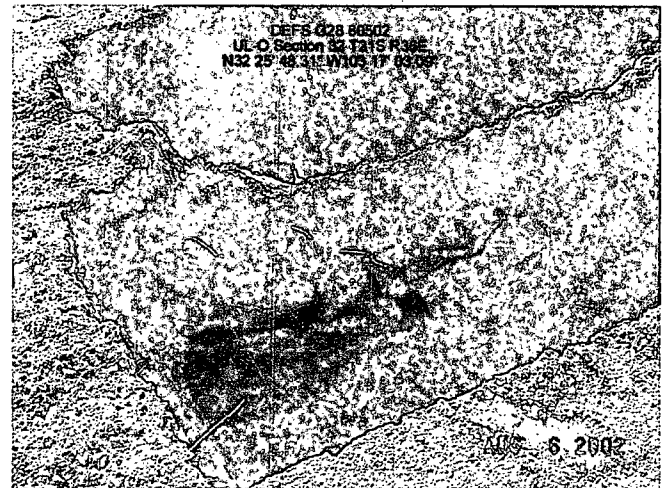
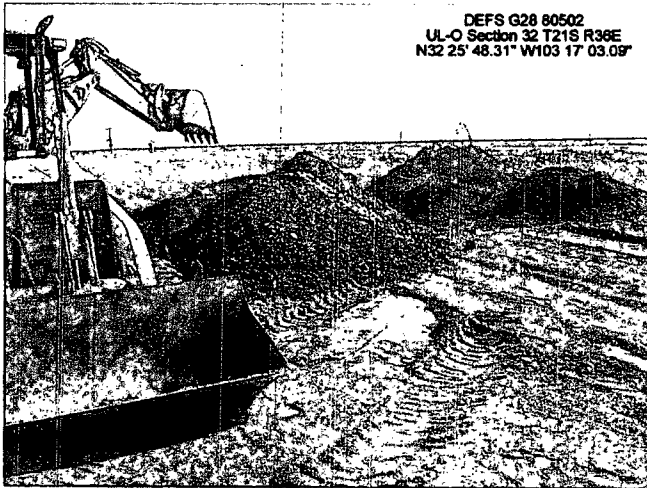
PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Cardinal shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

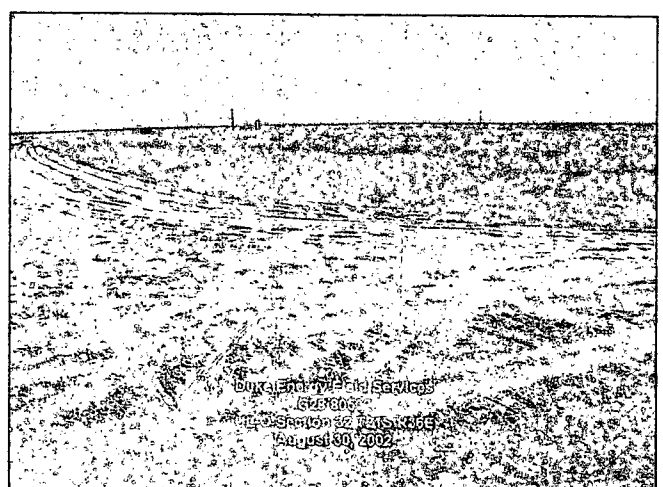
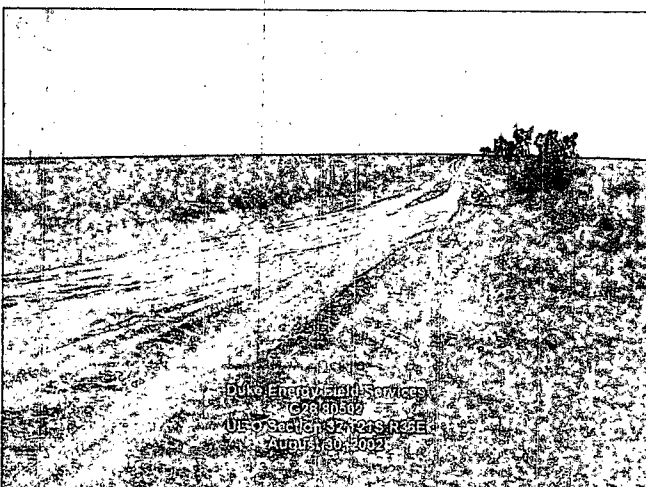
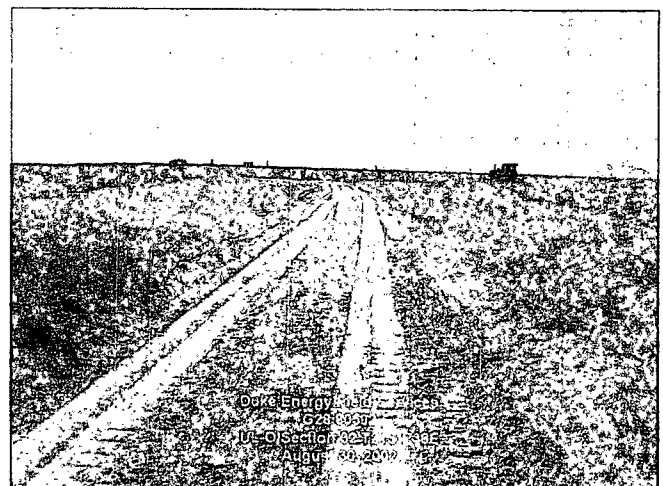
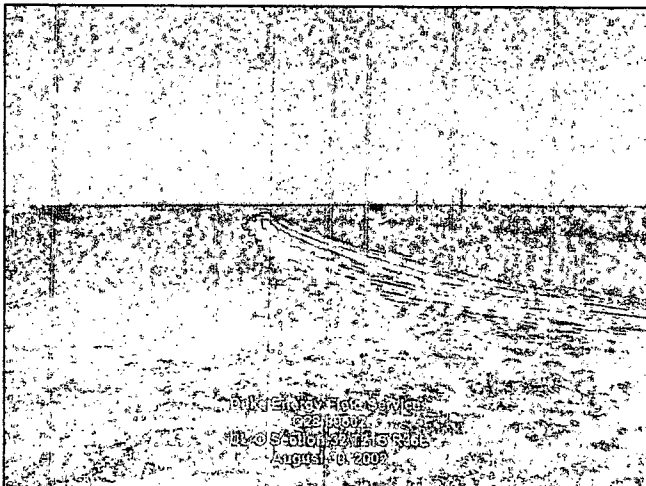
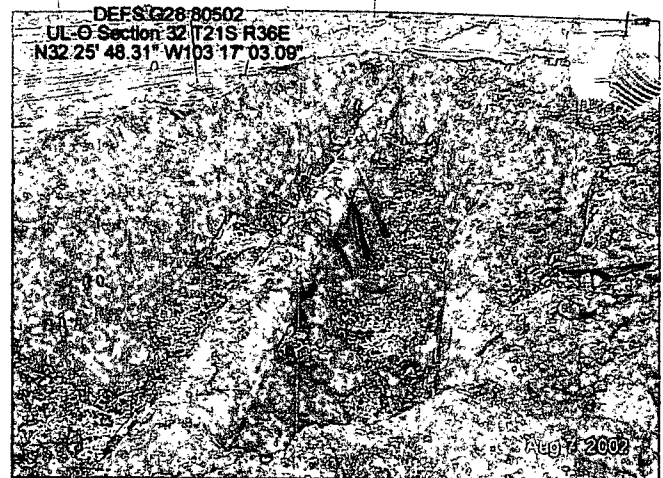
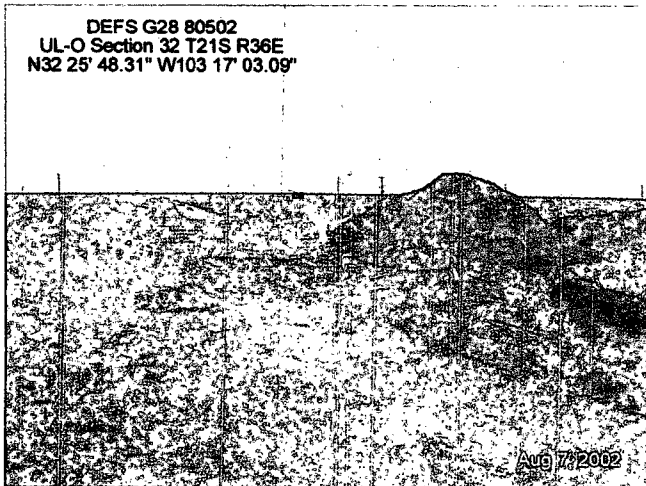
2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

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

[illegible]

Site Photographs





Site Information and Metrics Form



Site Information and Metrics

Incident Date and NMOCD Notified?

August 5, 2012

SITE: G-28 80502		Assigned Site Reference #: G-28 80502	
Company: Duke Energy Field Services			
Street Address: 11525 West Carlsbad Highway			
Mailing Address: 11525 West Carlsbad Highway			
City, State, Zip: Hobbs, NM 88240			
Representative: Paul Mulkey/Stan Shaver/Ronnie Gilchrest			
Representative Telephone: 505.397.5716 / 505.397.5561			
Telephone:			
Fluid volume released (bbls): >25 bbl Recovered (bbls): 0			
<p>>25 bbls Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days.</p> <p>5-25 bbls Submit form C-141 within 15 days. (Also applies to unauthorized releases of 50-500 mol Natural Gas)</p>			
Leak, Spill, or Pit (LSP) Name: G-28 80502			
Source of contamination: Natural Gas Gathering Line			
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico			
LSP Dimensions: ~1050-ft linear flow path along pipeline ROW, then east along access road ROW			
LSP Area: ~14943-ft ²			
Location of Reference Point (RP)			
Location distance and direction from RP			
Latitude: 32° 25' 48.31"N			
Longitude: 103° 17' 02.09"W			
Elevation above mean sea level: ~3605-ft amsl			
Feet from South Section Line: ~720-ft			
Feet from West Section Line: ~3640-ft			
Location- Unit or 1/4: SW 1/4 of the SE 1/4 or Unit Letter: O			
Location- Section: 32			
Location- Township: 21S			
Location- Range: 36E			
Surface water body within 1000' radius of site: None			
Surface water body within 1000' radius of site:			
Domestic water wells within 1000' radius of site: None			
Domestic water wells within 1000' radius of site:			
Agricultural water wells within 1000' radius of site: None			
Agricultural water wells within 1000' radius of site:			
Public water supply wells within 1000' radius of site: None			
Public water supply wells within 1000' radius of site:			
Depth from land surface to ground water (DG): >150-ft bgs			
Depth of contamination (DC): ~10-ft			
Depth to ground water (DG) - DC = D(GW) = >140-ft			
1. Ground Water		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or <200' from private domestic water source: 20 points	
If Depth to GW <50 to 99 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	
Ground Water Score: 0		Wellhead Protection Area Score: 0	
Site Rank (1-2-3): 0			
Total Site Ranking Score and Acceptable Concentrations			
Parameter	20 or +	10	0
Benzene ¹	10 ppm	10 ppm	10 ppm
MTBE ¹	50 ppm	50 ppm	50 ppm
TOT ¹	100 ppm	100 ppm	5000 ppm
¹ 100 ppm field VOC, benzene measurement may be substituted for lab analysis			

Site Information and Metrics Form



Site Information and Metrics

Incident Date and NMOCD Notified?

August 5, 2002

SITE: G-28 80502		Assigned Site Reference #: G-28 80502	
Company: Duke Energy Field Services			
Street Address: 11525 West Carlsbad Highway			
Mailing Address: 11525 West Carlsbad Highway			
City, State, Zip: Hobbs, NM 88240			
Representative: Paul Mulkey/Stam Shaver/Ronnie Gilchrest			
Representative Telephone: 505.397.5716 / 505.397.5561			
Telephone:			
Fluid volume released (bbls): >25 bbl		Recovered (bbls): 0	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days.			
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LSP Area: ~14943-ft ²			
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Location distance and direction from RP			
Latitude: 32° 25' 48.31"N			
Longitude: 103° 17' 03.09"W			
Elevation above mean sea level: ~3605-ft amsl			
Feet from South Section Line: ~720-ft			
Feet from West Section Line: ~3640-ft			
Location- Unit or ¼/¼: SW¼ of the SE ¼ or Unit Letter: O			
Location- Section: 32			
Location- Township: 21S			
Location- Range: 36E			
Surface water body within 1000' radius of site: None			
Surface water body within 1000' radius of site:			
Domestic water wells within 1000' radius of site: None			
Domestic water wells within 1000' radius of site:			
Agricultural water wells within 1000' radius of site: None			
Agricultural water wells within 1000' radius of site:			
Public water supply wells within 1000' radius of site: None			
Public water supply wells within 1000' radius of site:			
Depth from land surface to ground water (DG) >150-ft bgs			
Depth of contamination (DC) - ~10-ft			
Depth to ground water (DG - DC = DtGW) - >140-ft			
1. Ground Water		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or, <200' from private domestic water source: 20 points	
If Depth to GW 50 to 99 feet: 10 points		If >1000' from water source, or, >200' from private domestic water source: 0 points	
If Depth to GW >100 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	20 or >	10	0
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm

¹100 ppm field VOC headspace measurement may be substituted for lab analysis

C-138 Form – Request for Approval to Accept Solid Waste

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt <input checked="" type="checkbox"/> Non-Exempt <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	6. Generator Duke Energy Field Services
2. Management Facility Destination Environmental Plus, Inc. Landfarm #NM-01-0013	5. Originating Site G28-80502
3. Address of Facility Operator 2100 Avenue O, P.O. Box 1558, Eunice, New Mexico 88231	6. Transporter Environmental Plus, Inc.
7. Location of Material (Street Address or ULSTR) UL-O Section 32 T21S R36E	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job. <input checked="" type="checkbox"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Contaminated Soil – Natural Gas Line leak

Estimated Volume 1000 cy Known Volume (to be entered by the operator at the end of the haul)
_____ cy

SIGNATURE Pat McCasland TITLE: EPI Technical Manager DATE: August 8, 2002
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Pat McCasland TELEPHONE NO. 505.394.3481

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

Certificate of Waste Status (Exempt)
ENVIRONMENTAL PLUS, INC.

Environmental Services & Land Farm

PERMIT # NM-01-0013

Certificate of Waste Status

"Exempt Waste"

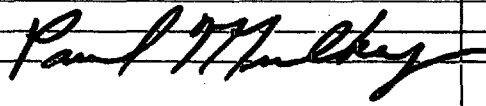
COMPANY: DUKE ENERGY FIELD SERVICES

ORIGIN: UL OR ¼¼: 0 SECTION: 32 TOWNSHIP: 21S RANGE: 36E

SOURCE DESCRIPTION (PIPELINE, LEASE, BATTERY, FLOWLINE, ETC.) PIPELINE

20" G-28 NATURAL GAS PIPELINE

"AS A CONDITION OF ACCEPTANCE FOR DISPOSAL,
 I HEREBY CERTIFY THAT THIS WASTE IS AN EXEMPT WASTE
 AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) JULY 1988
 REGULATORY DETERMINATION AND TO MY KNOWLEDGE, THIS WASTE BEEN
 CHARACTERIZED AS "NON-HAZARDOUS" PURSUANT TO THE PROVISIONS OF EPA 40 CFR
 PART 261 SUBPART C AND HAS NOT BEEN COMINGLED WITH AN EPA 40 CFR PART 261
 SUBPART D "LISTED WASTE."

I,	PAUL MULKEY	, THE UNDERSIGNED AGENT
FOR	DUKE ENERGY FIELD SERVICES	, HEREBY CERTIFY THAT,
BASED ON PERSONAL KNOWLEDGE, THE ABOVE STATEMENT IS TRUE AND CORRECT.		
NAME	PAUL MULKEY	
TITLE	MAINTENANCE & CONSTRUCTION SUPERVISOR	
ADDRESS	11525 WEST CARLSBAD HIGHWAY HOBBS, NEW MEXICO 88240	
SIGNATURE		
DATE	AUGUST 8, 2002	

Commissioner of Public Lands – Right-of-Entry Permit No. ROE 681

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766

ADMINISTRATION
Phone (505) 827-5700
Fax (505) 827-5853

GENERAL COUNSEL
Phone (505) 827-5713
Fax (505) 827-4262

PUBLIC AFFAIRS
Phone (505) 827-1245
Fax (505) 827-5766



**New Mexico State Land Office
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.**

COMMERCIAL RESOURCES
Phone (505) 827-5724
Fax (505) 827-6157

MINERAL RESOURCES
Phone (505) 827-5744
Fax (505) 827-4739

ROYALTY MANAGEMENT
Phone (505) 827-5772
Fax (505) 827-4739

SURFACE RESOURCES
Phone (505) 827-5793
Fax (505) 827-5711

September 5, 2002

Duke Energy Field Services
c/o Pat McCasland
Environmental Plus, Inc.
PO Box 1558
Eunice, NM 88231

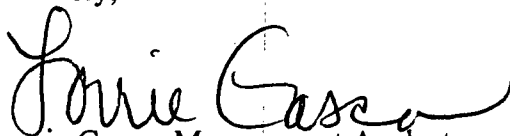
Re: Right-of-Entry Permit No. ROE-681

Dear Mr. McCasland:

Enclosed is an approved copy of the captioned right-of-entry permit. If any corrections are necessary, please let us know and we will retype or amend this permit as necessary.

If you have any questions, please feel free to contact this office at the above address or at (505) 827-5728 or 5729.

Sincerely,


Lorrie Gasca, Management Analyst
Surface Resources Division

NEW MEXICO STATE LAND OFFICE
Ray B. Powell, Commissioner of Public Lands
New Mexico State Land Office Building
P.O. Box 1148, Santa Fe, NM 87504-1148

RIGHT OF ENTRY PERMIT
CONTRACT NO. 681

1. RIGHT OF ENTRY PERMIT

This permit is hereby issued under the authority established by Section 19-1-2 NMSA (1985). Therefore, and in consideration of and subject to the terms, covenants, conditions, agreements, obligations and reservations contained in the permit and all other existing rights, the Commissioner of Public Lands, New Mexico State Land Office, State of New Mexico, hereinafter called "COMMISSIONER," grants to **Duke Energy Field Services c/o Environmental Plus, Inc. of PO Box 1558, Eunice, NM 88231** hereinafter called "PERMITTEE," authorized use of a specific tract(s) of state trust land described in this permit.

2. TERM AND LAND DESCRIPTION

Right of entry is granted for a term of 6 months commencing **August 13, 2002** to **February 13, 2002** to the following state lands: **SW4SE4 of Section 32, Township 21 South, Range 36 East.**

3. FEE.

\$500.00 (Five Hundred Dollars)

4. PERMITTED USE

Permitted use is for the purpose of: **Excavate contaminated soil for disposal at a permitted land farm. Backfill excavation with clean soil. The granting of this permit does not allow access across private lands.**

5. IMPROVEMENTS

No improvements shall be placed on the premises without the prior written consent of the Commissioner.

6. RESERVATIONS

Commissioner reserves the right to execute permits on the land granted by this permit for mining purposes and for the extraction of oil, gas, salt, geothermal resources, and other mineral deposits therefrom and the right to go upon, explore for, mine, remove and sell same. Commissioner further reserves the right to sell or dispose of natural surface products of said lands and to grant such other right-of-way and easements as provided for by law.

7. COMPLIANCE WITH LAWS

Permittee shall at its own expense comply fully with and be subject to all regulations, rules, ordinances, and requirements of the Commissioner including, but not limited to the Cultural Properties Act, NMSA 1978 as amended. It is illegal for any person or his agent to appropriate, excavate, injure, or destroy any historic, or prehistoric ruin or monument, or any object of historical, archaeological, architectural, or scientific value situated on lands owned or controlled by the State Land Office without a valid permit issued by the Cultural Properties Review Committee and approved by the Commissioner of Public Lands.

8. HOLD HARMLESS

Permittee shall have, save, and hold harmless, indemnify and defend Commissioner and the State of New Mexico, and their agent or agents, in their official and individual capacities, of and from any and all liability claims, losses, or damages arising out of or alleged to arise out of or indirectly connected with the operations of Permittee under this permit off or on the Commissioner's premises or arising out of the presence on the Commissioner's premises of any agent, contractor or subcontractor of Permittee.

9. AMENDMENT

This permit shall not be altered, changed or amended except by an instrument in writing executed by Commissioner and Permittee.

10. WITHDRAWAL

Commissioner reserves the right to withdraw any or all of the land authorized for use under this permit. If applicable, Permittee shall vacate the acreage specified within 30 days after receipt of written notification of withdrawal from the Commissioner.

11. CANCELLATION

The violation by Permittee of any of the terms, conditions or covenants of this permit or the nonpayment by Permittee of the fees due under this permit shall at the option of the Commissioner be considered a default and shall cause the cancellation of this permit 30 days after Permittee has been sent written notice of such.

12. PRESERVE AND PROTECT

The Permittee agrees to preserve and protect the natural environmental conditions of the land encompassed in this permit, and to take those reclamation or corrective actions that are accepted soil and water conservation practices and that are deemed necessary by the Commissioner to protect the land from pollution, erosion, or other environmental degradation.

13. RECLAMATION

The Permittee agrees to reclaim those areas that may be damaged by activities conducted thereon.

14. SPECIAL INSTRUCTIONS AND OR RESTRICTIONS

1. No off road traffic allowed
2. No wood collection or tree cutting allowed.
3. Disturbing, dislodging, damaging, defacing, destroying or removing historical archaeological, paleontological or cultural sites or artifacts is prohibited.
4. Disturbing, dislodging, damaging, defacing, destroying any improvement, fixture, item, object or thing placed or located in, under or upon the land is prohibited.
5. Entries to lands are limited to those State Lands with public access.
6. Any other activities not listed are not allowed unless prior written approval from the Commissioner of Public Lands is granted.

WITNESS the hands and seals of PERMITTEE and COMMISSIONER on the day and year first above written.

Robert M. Clarke (EPL)
PERMITTEE for DEFS

Telephone: 394.3481

ACKNOWLEDGMENT

STATE OF NEW MEXICO)

COUNTY OF Lea)

The foregoing instrument was acknowledged before me this 19th day of August, 20 02.

My Commission Expires: 8-21-2004

Linda Carol Coy
NOTARY PUBLIC

Ray Powell
COMMISSIONER OF PUBLIC LANDS

Final C-141 Form

10001 Dr., Hobbs, NM 88240
Grand Avenue, Artesia, NM 88210
Brazos Road, Aztec, NM 87410
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 March 17, 1999

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Company Energy Field Services	Contact Paul Mulkey
Vest Carlsbad Hwy, Hobbs, NM 88240	Telephone No. 505.397.5716
Name 502	Facility Type Natural Gas Pipeline

Owner New Mexico	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Section 32	Township 21S	Range 36E	Feet from the South Line 720	Feet from the West Line 3640	Latitude 32° 25' 48.31" N	Longitude 103° 17' 03.09" W	County: LEA
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NATURE OF RELEASE

Release Gas and associated liquid components	Volume of Release > 25 bbl	Volume Recovered NA
Release oil pipeline	Date and Hour of Occurrence unknown	Date and Hour of Discovery 08-05-02
Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson (NMOCD)	
Notification? aver (DEFS)	Date and Hour 08-05-02	
Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

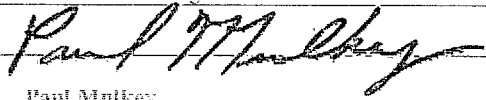
Watercourse was Impacted, Describe Fully.*

Cause of Problem and Remedial Action Taken.*
oil pipe. Line repair clamp(s) installed.

Area Affected and Cleanup Action Taken.*

14943-ft². Ground water occurs at >150-ft bgs. The site rank is 0 points. Contaminated soil above the site remedial goals excavated and disposed of or blended on-site by Environmental Plus, Inc., Eunice, NM. Remedial Goals: TPH^{8015m} = 50 mg/Kg, BTEX = 50 mg/Kg, Benzene = 10 mg/Kg, Chloride = 250 mg/Kg, and Sulfate = 600 mg/Kg.

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

Signature: 	OIL CONSERVATION DIVISION	
Name: Paul Mulkey	Approved by District Supervisor:	
Construction & Maintenance Supervisor	Approval Date:	Expiration Date:
05-02 Phone: 505.397.5716	Conditions of Approval:	Attached <input type="checkbox"/>

Attach Additional Copies if Necessary