



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

pc
1/20/04

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

January 13, 2004

Mr. Paul Mulkey pdmulkey@duke-energy.com
Duke Energy Field Services

Re: Plan Approval, G-Extension-3 111903 (Site1)
Site Reference UL-J, Sec-31 T-21S R-36E
Initial C-141 Dated: 12-19-03
Request Plan Dated: 12-19-03

Dear Mr. Mulkey,

The Remediation Work Plan Proposal submitted to the New Mexico Oil Conservation Division (OCD) by Environmental Plus, Inc. for Duke Energy Field Services is **hereby approved** for 120 days with the following considerations:

- 48 hour notification to OCD prior to final sampling
- Disturbed areas to be seeded for re-vegetation of native grasses and other plants and demonstrate growth within a reasonable time after site remediation operations cease

Please be advised that OCD approval of this plan does not relieve Duke Energy Field Services of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Duke 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 call (505) 393-6161, x111 or e-mail lwjohnson@state.nm.us

Sincerely,

Larry Johnson - Environmental Engineer

Cc:

Chris Williams - District I Supervisor

Bill Olson - Hydrologist

Paul Sheeley-Environmental Engineer

John Good - EIP Project Consultant jcgood4614@aol.com

Duke = 229153
Facility = FPAC0602050276
Incident = nPAC0602050413
application = pPAC0603139464



December 19, 2003

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

Subject: Duke Energy Field Services G-Extension-3 111903 (Site 1) Initial C-141 and Remediation Plan

Dear Mr. Johnson:

Environmental Plus, Inc. (EPI), on behalf of Mr. Paul Mulkey, Duke Energy Field Services, submits the attached New Mexico Oil Conservation Division Form C-141 for the above referenced leak site located on land owned by DASCO Cattle Company (Atlee Snyder). The release volume is estimated to be 4-bbl of NGL with 0-bbl recovered. The site is located in the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ (Unit Letter J), Section 31, Township 21 South, and Range 36 East. The geographic location is N32°26'06.26"; W103°18'10.97". The site is ~8.3 miles due west of Eunice, Lea County, New Mexico. According to information obtained from the New Mexico Office of the State Engineer (NMOSE) database and the land owner, ground water level beneath this site is >220-feet below ground surface (bgs). The ranking for this site is 0 for soils down to 120-ft bgs.

The remedial action plan for this site is to delineate and characterize the soil contamination within the affected area of the natural gas and liquids release, excavate and dispose of, and/or attenuate on-site the RCRA exempt contaminated soils, and backfill the excavation with clean soil obtained on-site and/or off-site from private or public sources. Any RCRA exempt contaminated soils excavated and removed from the site will be disposed of in a NMOCD approved land farm.

The Constituents of Concern (CoC's) and associated NMOCD acceptable remedial levels are as follows:

- BTEX⁸⁶²⁰ (Benzene, Toluene, Ethyl Benzene, and Xylenes): 50 mg/kg
- TPH^{8015m} (Total Petroleum Hydrocarbon): 5000 mg/kg (0-120-ft bgs); 1000 mg/kg (> 120-ft bgs)
- Benzene⁸⁶²⁰: 10 mg/kg

It is EPI's standard operating procedure to evaluate natural gas release sites for the presence of elevated levels of SO₄⁼ and Cl⁻ ions. These inorganic contaminants are often present in subsurface soils associated with sour gas releases and/or releases containing a brine component. Due to the anticipated shallow depth of contamination and >200-ft depth to groundwater at this release site, it is EPI's intent to presume that sulfates and chlorides will not be an issue in the remediation of this site. Bottom hole composite samples will be analyzed for chlorides and sulfates to confirm this presumption.

If there are any questions please call Mr. Ben Miller, or myself, at our office or at (505) 390-0288 and (505) 390-9804, respectively or Mr. Paul Mulkey at (505) 397-5716. All official written communications should be addressed to:



ENVIRONMENTAL PLUS, INC. ~~Micro-Blaze~~ ~~Micro-Blaze Out~~

STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

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

Sincerely,

John Good

EPI Environmental Consultant

cc: Paul Mulkey, Duke Energy Field Services, w/enclosure
Lynn Ward, Duke Energy Field Services – Midland, TX, w/enclosure
Steve Weathers, Duke Energy Field Services – Denver, CO, w/enclosure
Pat McCasland, EPI Technical Manager
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President
File

ENVIRONMENTAL PLUS, INC.

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 June 10, 2003

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

Release Notification and Corrective Action - INFORMATION ONLY

OPERATOR☒ Initial Report ☐ Final Report

Name of Company	DUKE ENERGY FIELD SERVICES	Contact	Paul Mulkey
Address	11525 W. Carlsbad Hwy. Hobbs, NM 88240	Telephone No.	505-397-5716
Facility Name	G-Extension-3	Facility Type	Natural Gas Gathering Pipeline

Surface Owner	DASCO Cattle Co.	Mineral Owner	NA	Lease No.	NA
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from South Line	Feet from West Line	Longitude	Latitude	County:
J	31	21S	36E	2525	2940	W103° 18' 10.97"	N32° 26' 06.26"	Lea

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Natural Gas release and associated NGL's	4 bbl	0 bbl

Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
12" Steel Pipeline		11/19/03

Was Immediate Notice Given?	If YES, To Whom?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	NA

By Whom?	Date and Hour
NA	NA

Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Internally Corroded pipeline, repaired by clamping leak

Describe Area Affected and Cleanup Action Taken.*
~2238-ft² surface spill area affected + 24,000-ft² overspray. 0-bbl of NGL recovered from 4-bbl release. RCRA Exempt Non-hazardous contaminated soil above remedial goals will be excavated and disposed of, or remediated on-site by EPI.

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:	John Good	
Title:	Project Consultant - EPI	
E-mail Address:	jcgood4614@aol.com	
Date:	12/19/03	Phone: 505-394-3481
Approved by District Supervisor:		Approval Date:
Conditions of Approval:		Expiration Date:
		<input type="checkbox"/> Attached

		Incident Date and NMOCD Notified? 11/19/03 NA	
SITE: G-Extension-3		Assigned Site Reference 111903 [Site 1]	
Company: DUKE ENERGY FIELD SERVICES			
Street Address: 5805 East Highway 80			
Mailing Address: 11525 W. Carlsbad Hwy.			
City, State, Zip: Hobbs, NM 88240			
Representative: Paul Mulkey			
Representative Telephone: 505-397-5716			
Telephone:			
Fluid volume released (bbls): 4		Recovered (bbls): 0	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days.			
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: 111903 [Site 1]			
Source of contamination: 12" Steel Pipeline			
Land Owner, i.e., BLM, ST, Fee, Other: DASCO Cattle Co. 225 E. Bender, Suite 150, Hobbs, NM 88240			
LSP Dimensions: (GPS Site Diagram attached)			
LSP Area: 26,244 -ft ²			
Location of Reference Point (RP):			
Location distance and direction from RP:			
Latitude: N32° 26' 06.26"			
Longitude: W103° 18' 10.97"			
Elevation above mean sea level: 3635 -ft amsl			
Feet from South Section Line: 2525			
Feet from West Section Line: 2940			
Location - Unit and 1/4 1/4: UL- J NW 1/4 of SE 1/4			
Location - Section: 31			
Location - Township: 21S			
Location - Range: 36E			
Surface water body within 1000' radius of Site: 0			
Surface water body within 1000' radius of Site: 0			
Domestic water wells within 1000' radius of Site: 0			
Domestic water wells within 1000' radius of Site: 0			
Agricultural water wells within 1000' radius of Site: 0			
Agricultural water wells within 1000' radius of Site: 0			
Public water supply wells within 1000' radius of Site: 0			
Public water supply wells within 1000' radius of Site: 0			
Depth (ft) from land surface to ground water (DG): 220			
Depth (ft) of contamination (DC): 20			
Depth (ft) to ground water (DG - DC = DtGW): 200			
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		Surface Water Score: 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
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

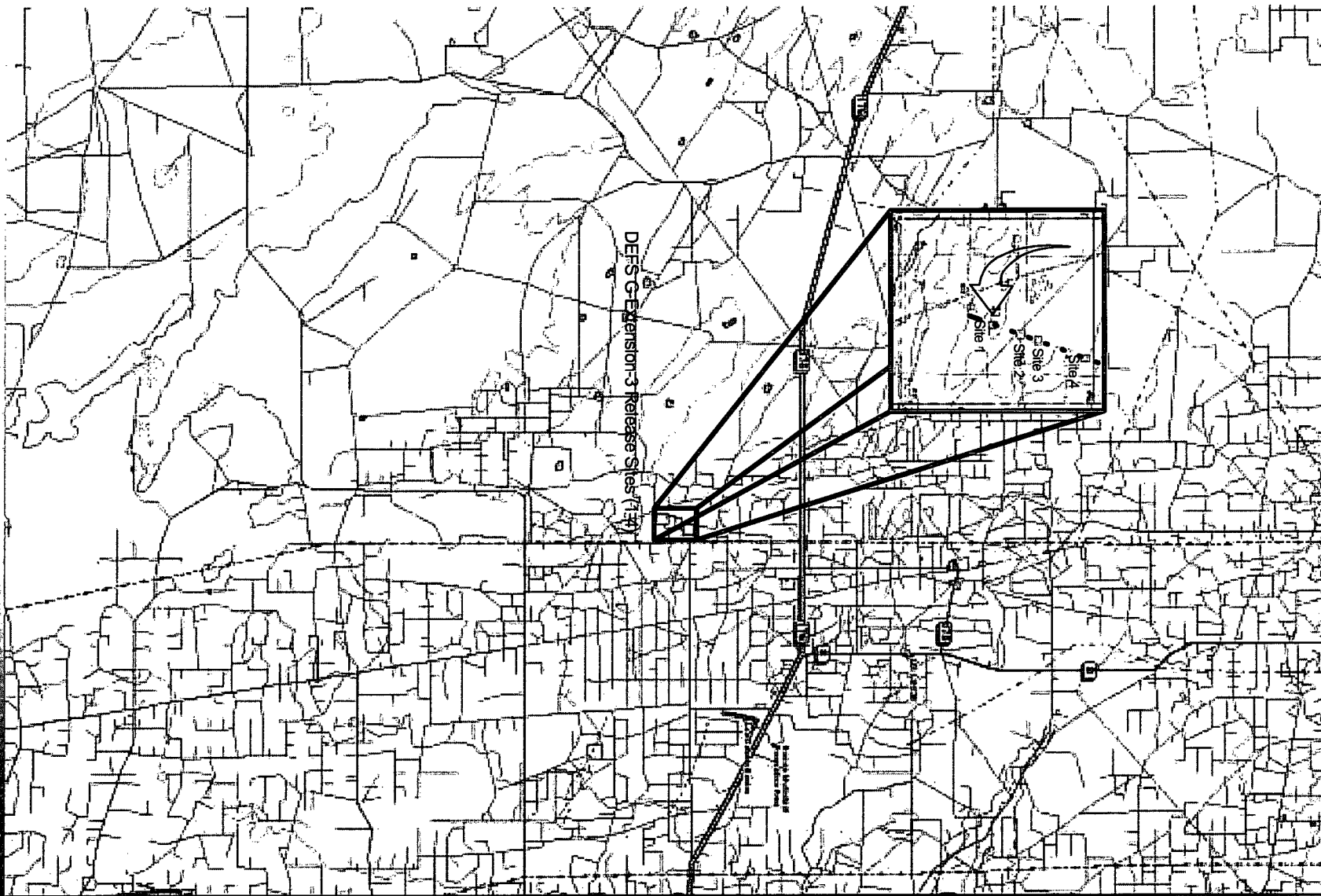


Plate 1 - Release Site Location
 Duke Energy Field Services
 G-Extension-3 111903 (Site 1)

Lea County, New Mexico
 UL-J Section 31 T21S R36E
 N32° 26' 06.26" W103° 18' 10.97"
 Elevation: 3635-ft amsl

DWG BY: John Good
 December - 2003

REVISED:



SHEET
 1 of 1



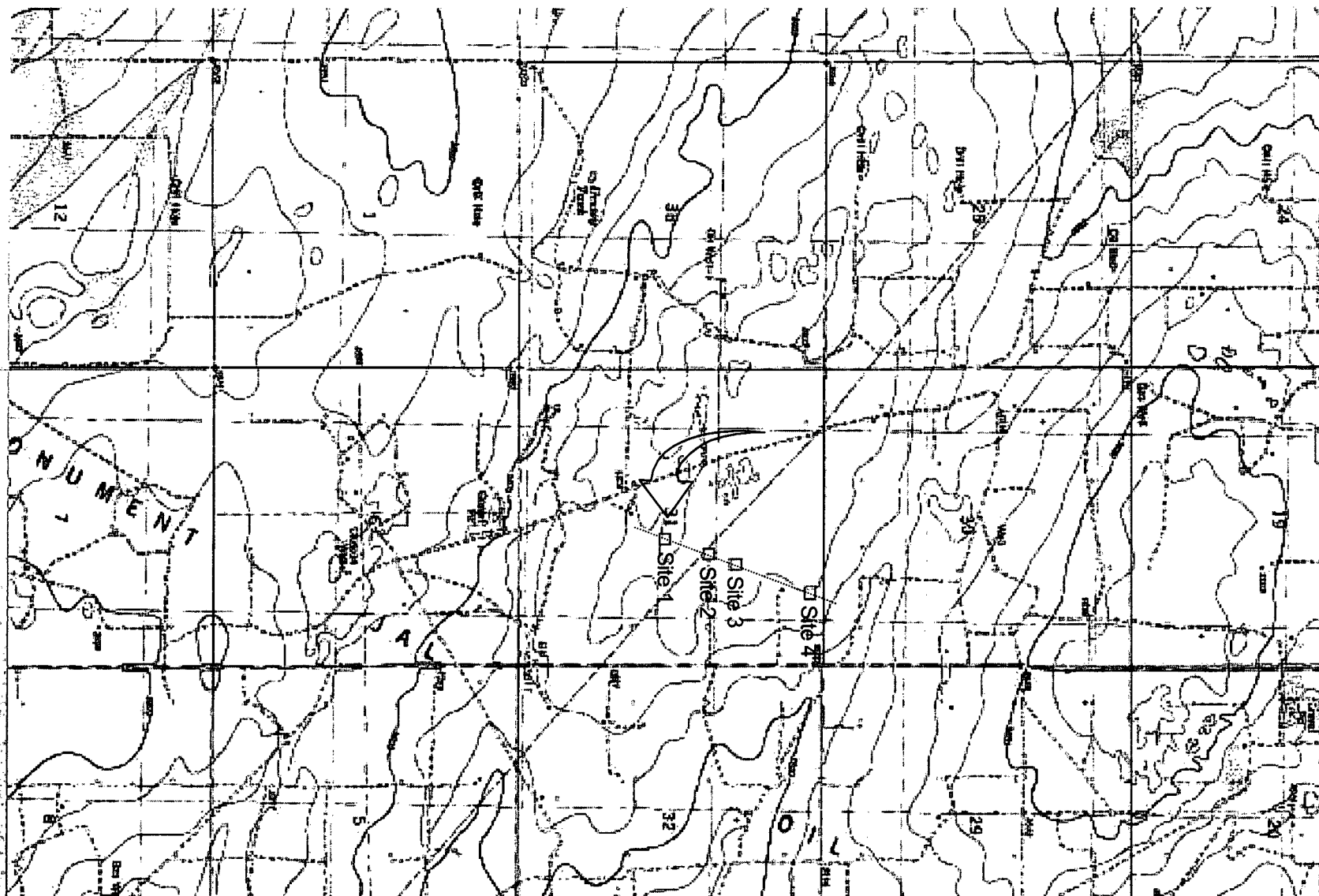


Plate 1 - Release Site Topography
 Duke Energy Field Services
 G-Extension-3 111903 (Site 1)

Lea County, New Mexico
 UL-J Section 31 T21S R36E
 N32° 26' 06.26" W103° 18' 10.97"
 Elevation: 3635-ft amsl

DWG BY: John Good
 December - 2003

REVISED:

SCALE:

0 Mile 1



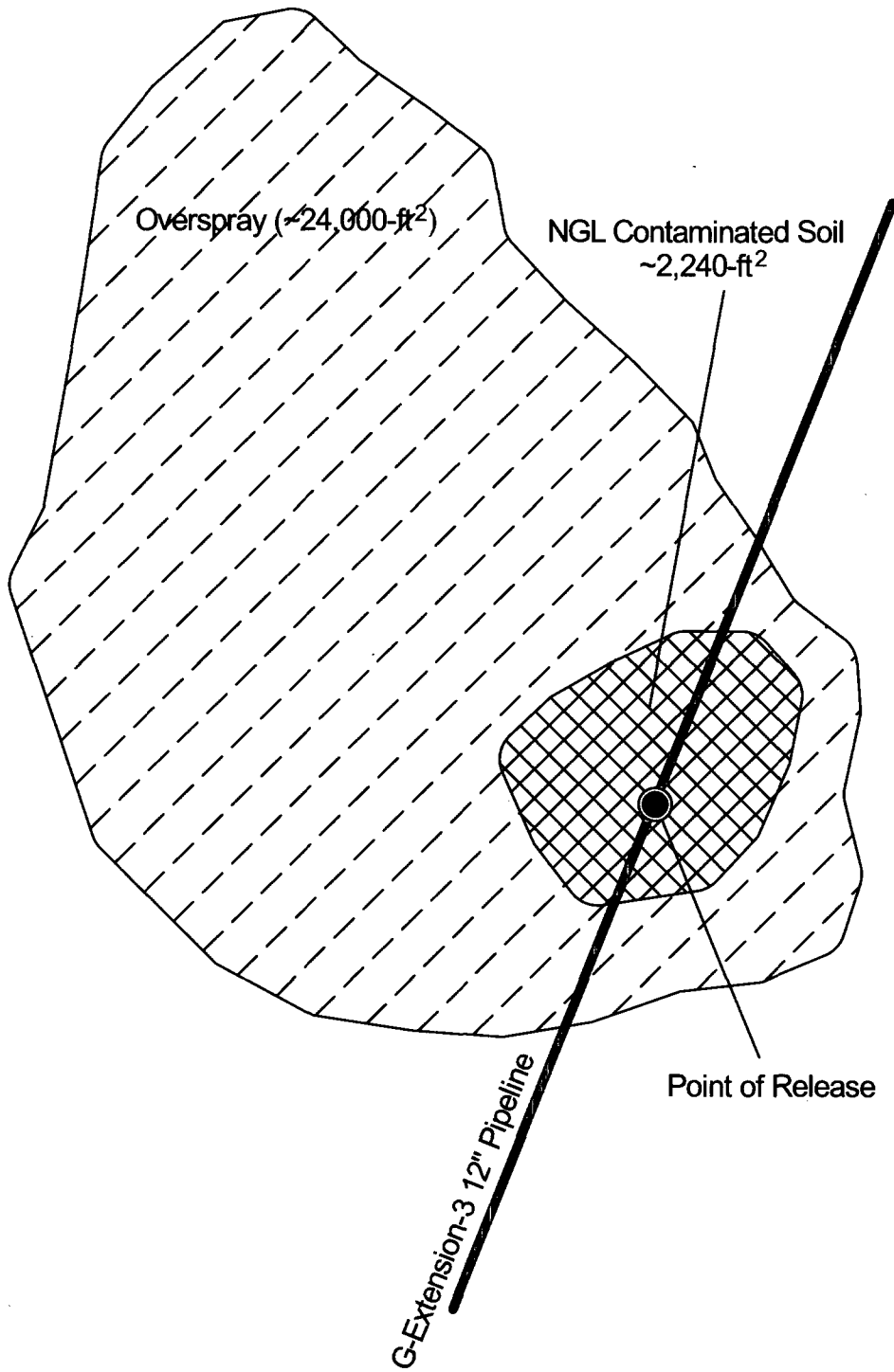



Plate 3 - Initial Site GPS Demarcations Duke Energy Field Services G-Extension-3 111903	Lea County, New Mexico UL-A Section 31 T21S R36E N32° 26' 06.26" W103° 18' 10.97" Elevation: 3,635-ft amsl	DWG BY: John Good December - 2003 SCALE: 0 100 Feet	REVISED: 
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DEFS G-EXTENSION-3 [1] 111903
UL-J Section 31 T21S R36E
N32° 26' 06.26" W103° 18' 10.97"



DEFS G-EXTENSION-3 [1] 111903
UL-J Section 31 T21S R36E
N32° 26' 06.26" W103° 18' 10.97"

