

**Address I**  
1625 N. Pecos Dr., Hobbs, NM 88240  
**Address II**  
1801 W. Grand Avenue, Amarillo, NM 89110  
**Address III**  
1000 R.R. 2 Street Road, Aztec, NM 87410  
**Address 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 March 17, 1999

Submit 3 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

<b>Name of Company</b> Duke Energy Field Services	<b>Contact</b> Palo Rendon
<b>Address</b> 1625 West Marland, Hobbs, New Mexico 88240	<b>Telephone No.</b> (505) 390-5707
<b>Facility Name</b> L-1 Line	<b>Facility Type</b> Pipeline

<b>Surface Owner</b> State of New Mexico	<b>Mineral Owner</b>	<b>Lease No.</b>
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**LOCATION OF RELEASE**

<b>Unit Letter</b> H	<b>Section</b> 20	<b>Township</b> T20S	<b>Range</b> R37E	<b>Feet from the North/South Line</b>	<b>Feet from the East/West Line</b>	<b>County: Lea</b> Lat. N 33° 33' 31.22" Lon. W 103° 15' 54.62"
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**NATURE OF RELEASE**

<b>Type of Release</b> Natural Gas and Natural Gas Liquids	<b>Volume of Release</b> Unknown	<b>Volume Recovered</b> 12 bbls
<b>Source of Release</b> Internal corrosion to the "L" on a valve setting. Line normally runs 700 mcf/d at 15 gal and 2.1449% mole H <sub>2</sub> S	<b>Date and Hour of Occurrence</b> Unknown	<b>Date and Hour of Discovery</b> October 12, 2005 @ 17:00 hrs
<b>Was Immediate Notice Given?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	<b>If YES, To Whom?</b> Larry Johnson, NMOCDD-Hobbs	
<b>By Whom?</b> Lynn Ward, DEFS-McDonald	<b>Not Required</b>	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse.</b> NA	
<b>If a Watercourse was Impacted, Describe Fully.</b> NA		
<b>Describe Cause of Problem and Remedial Action Taken.</b> "The release occurred due to internal corrosion to the "L" on a valve setting on a transmission line. The line was shut in, the leak origin excavated and the "L" repaired.		
<b>Describe Area Affected and Cleanup Action Taken.</b> Soil contaminated above the NMOCDD Remedial Guidelines will be disposed of at an approved facility or remediated on site. Remedial Goals: TPH = 1100 mg/Kg, benzene = 10 mg/Kg, and BTEX = 50 mg/Kg.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDD 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 NMOCDD marked as "Final Report" does not relieve the operator of liability  
should their operations have failed to adequately detect, report and remediate contamination that pose a threat to ground water, surface water, human  
health or the environment. In addition, NMOCDD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any  
other federal, state, or local laws and/or regulations.

<b>Signature</b> <i>Lynn Ward</i>	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name</b> Lynn Ward	<b>Approved by District Supervisor</b>	
<b>E-mail Address</b> lward@duke-energy.com	<b>Approval Date</b>	<b>Expiration Date</b>
<b>Title</b> Senior Environmental Specialist	<b>Conditions of Approval</b>	
<b>Date</b> 10/20/05 <b>Phone</b> (432) 620-4207	<b>Attached</b> <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

Facility - FPAC0613750805  
Incident - nPAC0613750910  
application - nPAC0613751083



ENVIRONMENTAL PLUS, INC.

Micro-Blaze

Micro-Blaze Out™

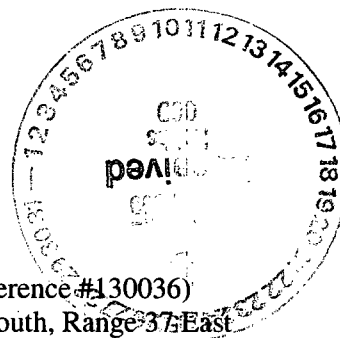
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

ENVIRONMENTAL PLUS, INC.

17 October 2005

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

Re: Initial C-141  
Duke Energy Field Services E-3 Line Release Site (Reference #130036)  
UL-H (SE¼ of the NE¼) of Section 20, Township 20 South, Range 37 East  
Latitude N 32° 33' 31.22" and Longitude W 103° 15' 54.62"



Dear Mr. Johnson:

Environmental Plus, Inc. (EPI), on behalf of Ms. Lynn Ward, Duke Energy Field Services, L.P. (DEFS), submits the attached New Mexico Oil Conservation Division (NMOCD) form C-141 for the above-referenced leak site located on land owned by the State of New Mexico and leased to Rice Engineering Co., approximately 4.5 miles south of Monument, New Mexico. The United States Geological Survey (USGS) and New Mexico Office of the State Engineer (NMOSE) database indicate there are 25 water supply wells located near the release site area; 6 of these wells are within a one-mile radius. There are no water supply wells located within a 1,000-foot radius of the release site (reference Figure 2). Depth to water for these wells is approximately 42 feet below ground surface (bgs). The attached site information and metrics form ranks the site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993).

A remediation plan will be developed and submitted for NMOCD approval and will address issues identified during delineation of the vertical and horizontal extents of chloride, sulfates, total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). The contaminated soil is exempt from RCRA 40 CFR Part 261.

If there are any questions please feel free to contact me at (505) 394-3481 or Ms. Lynn Ward at (432) 620-4207 or via e-mail at [lcward@duke-energy.com](mailto:lcward@duke-energy.com). All official communication should be addressed to:

Ms. Lynn Ward  
Duke Energy Field Services  
10 Desta Drive, Suite 400-W  
Midland, TX 79705

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain Olness, P.G.  
Hydrogeologist

cc: Lynn Ward, Duke Energy Field Services, Midland, TX  
Steve Weathers, Duke Energy Field Services – Denver, CO  
Mark Owens, Duke Energy Field Services, Hobbs, NM  
Polo Rendon, Duke Energy Field Services, Hobbs, NM



Site Information and Metrics

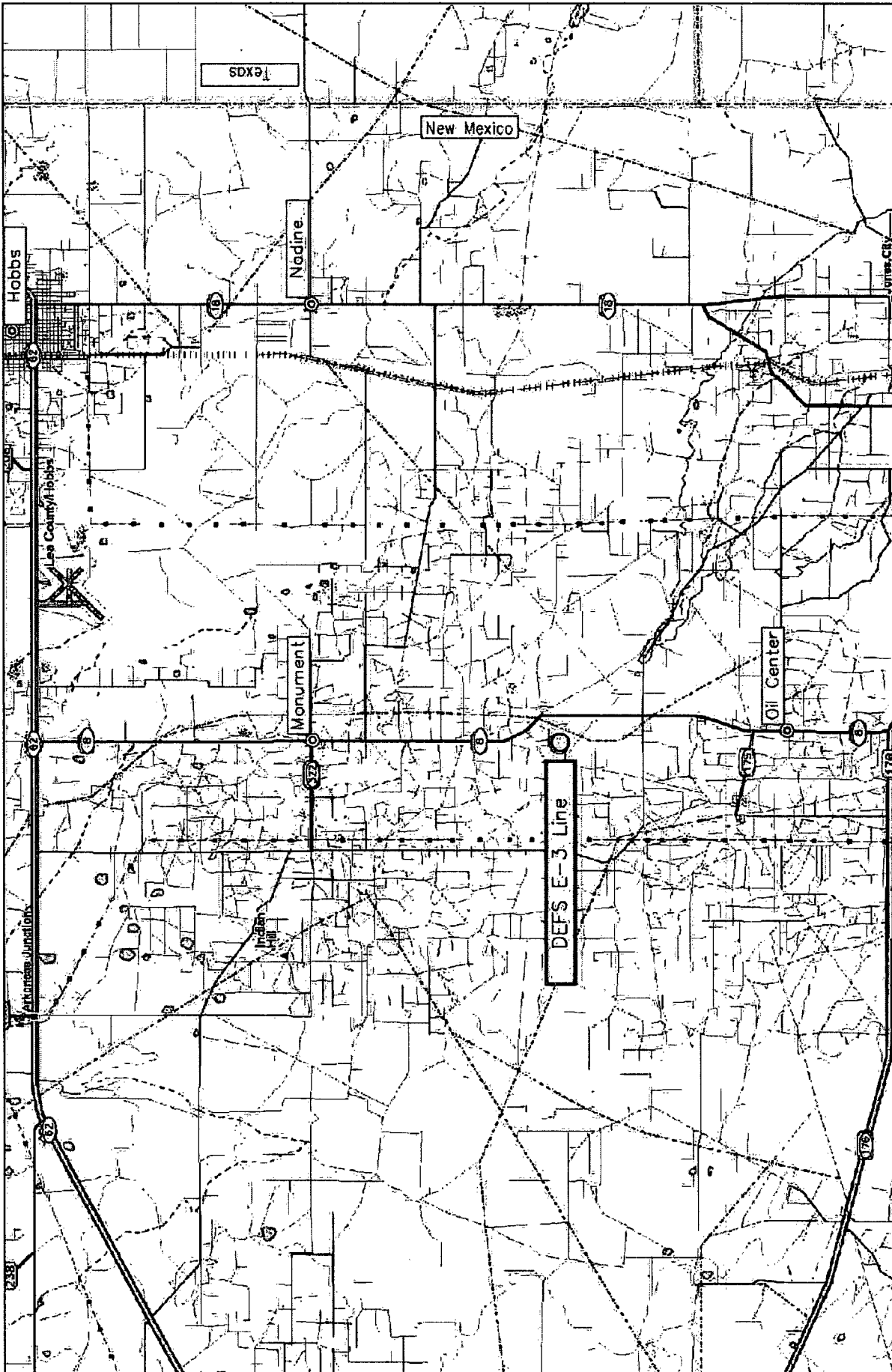
**Incident Date:**

12 October 2005 @ 17:00hrs

**NMOCD Notified:**

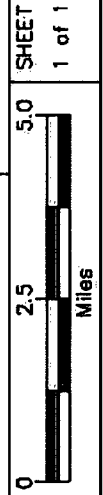
13 October 2005 @ 10:56hrs

<b>Site:</b> E-3 Line		<b>Assigned Site Reference #:</b> 130036	
<b>Company:</b> Duke Energy Field Services			
<b>Street Address:</b>			
<b>Mailing Address:</b> 1625 West Marland			
<b>City, State, Zip:</b> Hobbs, New Mexico 88240			
<b>Representative:</b> Polo Rendon			
<b>Representative Telephone:</b> (505) 390-5707			
<b>Telephone:</b>			
<b>Fluid volume released (bbls):</b> Unknown		<b>Recovered (bbls):</b> 12 bbls condensate/pipeline liquids	
<b>&gt;25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days.</b> <b>(Also applies to unauthorized releases &gt;500 mcf Natural Gas)</b>			
<b>5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)</b>			
<b>Leak, Spill, or Pit (LSP) Name:</b> E-3 Line			
<b>Source of contamination:</b> Internal corrosion to the "L" on a valve setting.			
<b>Land Owner, i.e., BLM, ST, Fee, Other:</b> State of New Mexico, leased to Rice Engineering, Co.			
<b>LSP Dimensions:</b> 80 feet by 30 feet and 85 feet by 9 feet			
<b>LSP Area:</b> $\approx 1,940 \text{ ft}^2$			
<b>Location of Reference Point (RP):</b>			
<b>Location distance and direction from RP:</b>			
<b>Latitude:</b> N 32° 33' 31.22"			
<b>Longitude:</b> W 103° 15' 54.62"			
<b>Elevation above mean sea level:</b> 3,512 feet			
<b>Feet from South Section Line:</b>			
<b>Feet from West Section Line:</b>			
<b>Location- Unit or 1/4:</b> SE 1/4 of the NE 1/4		<b>Unit Letter:</b> H	
<b>Location- Section:</b> 20			
<b>Location- Township:</b> T20 S			
<b>Location- Range:</b> R 37 E			
<b>Surface water body within 1000' radius of site:</b> none			
<b>Domestic water wells within 1000' radius of site:</b> none			
<b>Agricultural water wells within 1000' radius of site:</b> none			
<b>Public water supply wells within 1000' radius of site:</b> none			
<b>Depth from land surface to ground water (DG):</b> $\approx 42$ feet			
<b>Depth of contamination (DC):</b> Unknown			
<b>Depth to ground water (DG - DC = DtGW):</b> <50 feet			
<b>1. Ground Water</b>		<b>2. Wellhead Protection Area</b>	
If Depth to GW <50 feet: <i>20 points</i>		If <1000' from water source, or; <200' from private domestic water source: <i>20 points</i>	
If Depth to GW 50 to 99 feet: <i>10 points</i>		If >1000' from water source, or; >200' from private domestic water source: <i>0 points</i>	
If Depth to GW >100 feet: <i>0 points</i>			
<b>Ground water Score = 20</b>		<b>Wellhead Protection Area Score = 0</b>	
<b>Site Rank (1+2+3) = 20</b>		<b>Surface Water Score = 0</b>	
<b>Total Site Ranking Score and Acceptable Concentrations</b>			
Parameter	>19	10-19	0-9
Benzene <sup>1</sup>	10 ppm	10 ppm	10 ppm
BTEX <sup>1</sup>	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm
<sup>1</sup> 100 ppm field VOC headspace measurement may be substituted for lab analysis			



DWG By: Jason Stegemoller  
October 2005

REVISED:



Lea County, New Mexico  
SE 1/4 of the NE 1/4, Sec. 20, T20S, R37E  
N 32° 33' 31.22" W 103° 15' 54.62"  
Elevation: 3,512 feet amsl

Figure 1  
Area Map  
Duke Energy Field Services  
E-3 Line

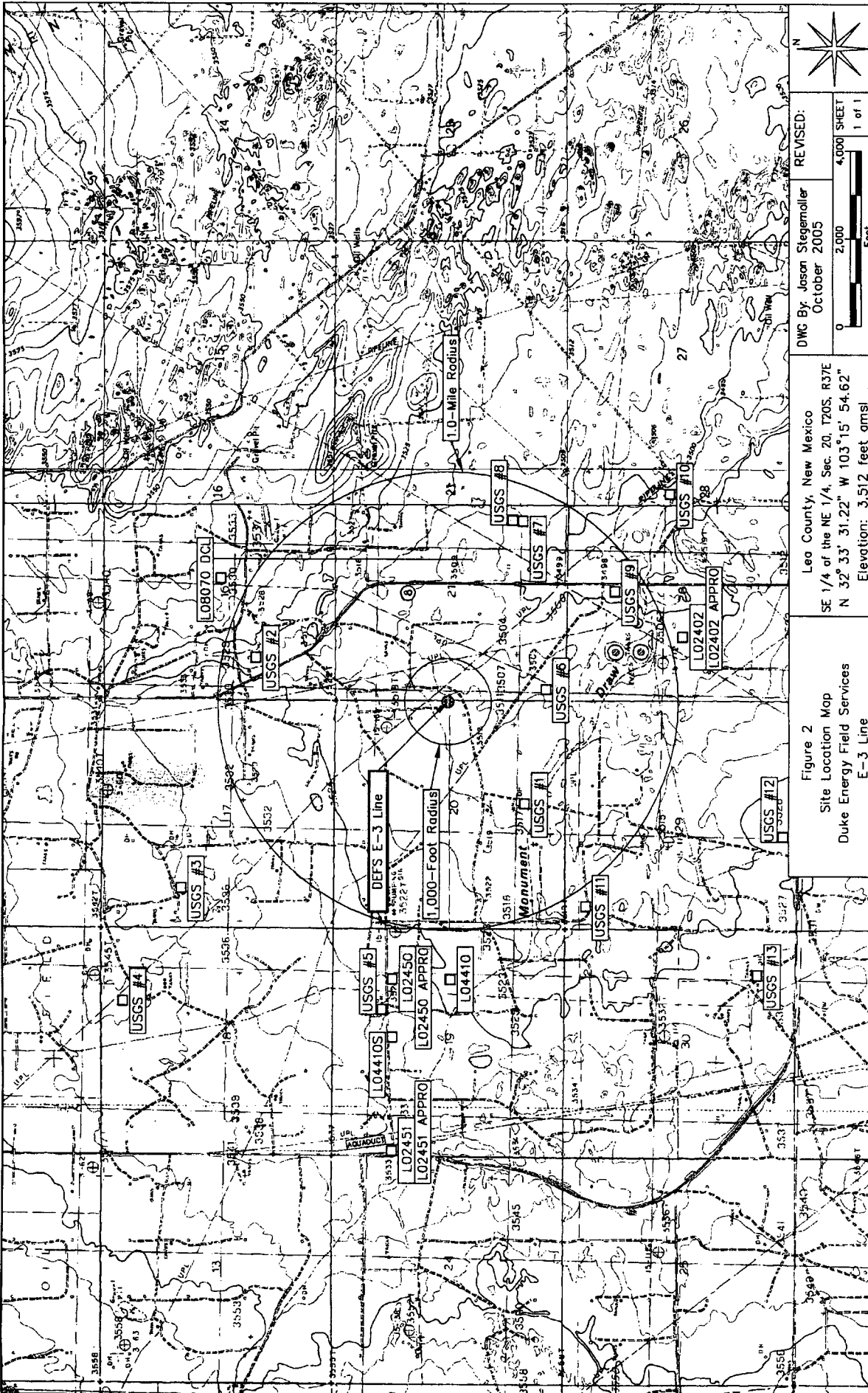


Figure 2

Site Location Map  
Duke Energy Field Services  
E-3 Line

Leo County, New Mexico  
SE 1/4 of the NE 1/4, Sec. 20, T20S, R37E  
N 32° 33' 31.22" W 103° 15' 54.62"  
Elevation: 3,512 feet amsl

DWC By: Jason Stegmoller  
October 2005  
REVISED:  
0 2,000 4,000 Feet  
4,000 SHEET  
1 of 1

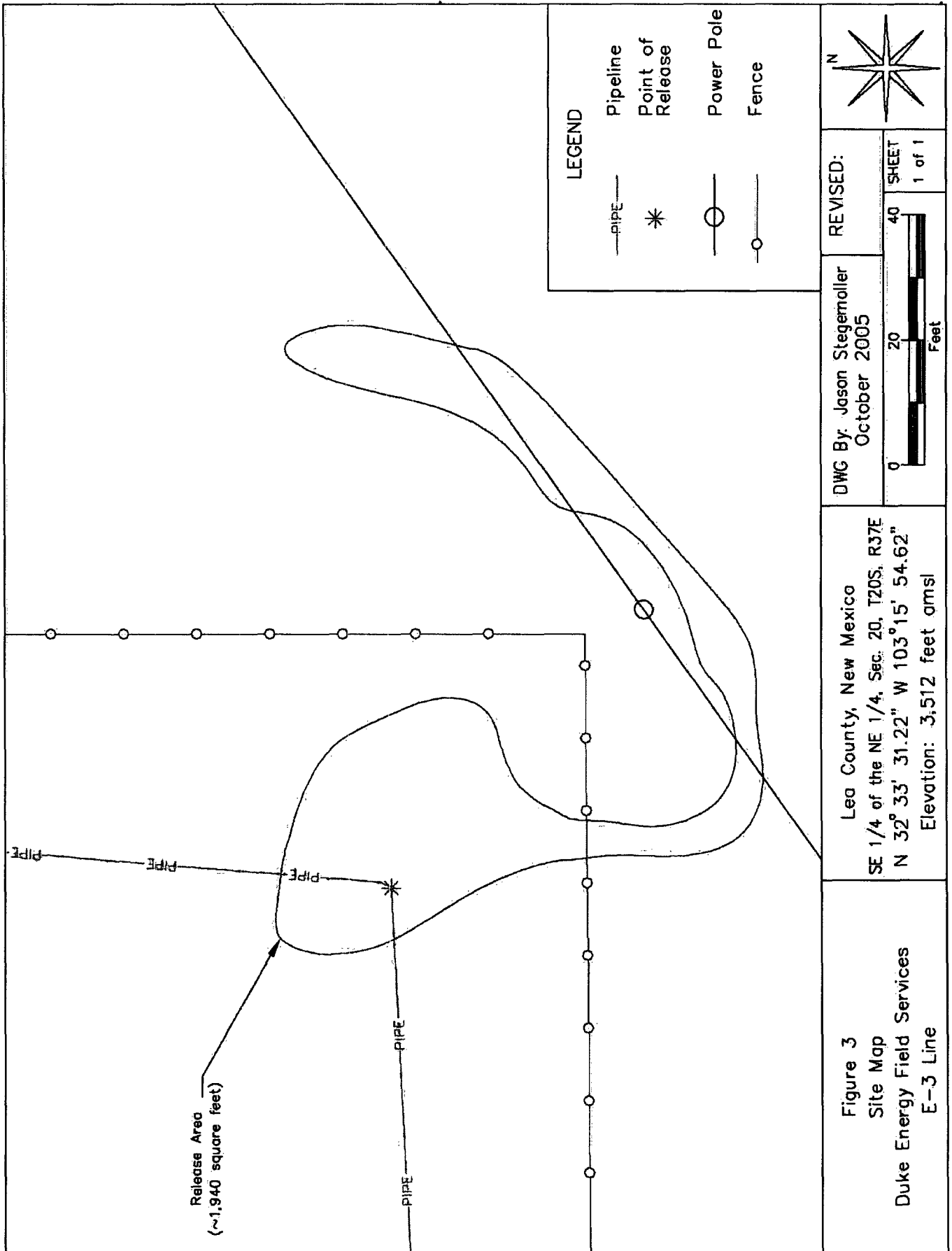


TABLE 1

WELL INFORMATION REPORT\*

Duke Energy Field Services E-3 Line - Ref #130036

Well Number	Diversion <sup>A</sup>	Owner	Use	Twsp	Rng	Sec	q	q	Latitude	Longitude	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water (ft bgs)
L 02402	3	Gulf Refining Company-Southern	DOM	20S	37E	01	41		N 32° 32' 38.13"	W 103° 15' 36.88"	10-Jan-54	3,504	40
L 02402 APPRO	3	Gulf Refining Company-Southern	DOM	20S	37E	01	41		N 32° 32' 38.13"	W 103° 15' 36.88"	10-Jan-54	3,504	40
L 02450	3	The Texas Co.	PRO	20S	37E	19	22		N 32° 33' 43.71"	W 103° 17' 9.8"	23-Dec-53	3,529	35
L 02450 APPRO	3	The Texas Co.	PRO	20S	37E	19	22		N 32° 33' 43.71"	W 103° 17' 9.8"	23-Dec-53	3,529	35
L 02451	3	The Texas Co.	PRO	20S	37E	19	11		N 32° 33' 43.75"	W 103° 17' 55.85"	22-Dec-53	3,533	35
L 02451 APPRO	3	The Texas Co.	PRO	20S	37E	19	11		N 32° 33' 43.75"	W 103° 17' 55.85"	22-Dec-53	3,533	35
L 04410	250	Burgandy Oil & Gas of NM, Inc.	SRO	20S	37E	19	24		N 32° 33' 30.63"	W 103° 17' 9.8"	25-May-66	3,523	35
L 04410 S	250	Burgandy Oil & Gas of NM, Inc.	SRO	20S	37E	19	24		N 32° 33' 30.63"	W 103° 17' 25.24"	23-Feb-72	3,532	35
L 0870 DCL	0	S W Cattle Company	DOM	20S	37E	16	2		N 32° 34' 22.74"	W 103° 15' 21.59"			
USGS #1				20S	37E	20	43	1			31-Jan-96	3,517	22.86
USGS #2				20S	37E	16	3	14			14-Mar-96	3,530	14.72
USGS #3				20S	37E	17	13	2			23-Jan-96	3,536	26.6
USGS #4				20S	37E	18	21	2			29-Jan-91	3,545	27.28
USGS #5				20S	37E	19	21	4			14-Jan-71	3,530	26.82
USGS #6				20S	37E	21	33	3			29-Jan-91	3,508	22.13
USGS #7				20S	37E	21	44	1			03-Mar-66	3,505	44.52
USGS #8				20S	37E	21	44	1			04-Feb-76	3,505	39.68
USGS #9				20S	37E	28	12	4			10-Apr-68	3,498	28.91
USGS #10				20S	37E	28	24	4			23-Jan-96	3,500	36.24
USGS #11				20S	37E	29	11	1			25-Mar-54	3,519	43.77
USGS #12				20S	37E	29	34	4			25-Jan-91	3,528	108.58
USGS #13				20S	37E	30	44	1			23-Jan-96	3,530	104.1
USGS #14				20S	37E	31	32	2			15-Jan-71		99.07
USGS #15				20S	37E	31	44	4			01-Mar-61		36.73
USGS #16				20S	37E	35	44	4			01-Feb-01	3,470	52.87

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://hwaters.ose.state.nm.us:7001/HWATERS/wr\\_RegisServ/ct1](http://hwaters.ose.state.nm.us:7001/HWATERS/wr_RegisServ/ct1)) and USGS Database. Shaded well information indicates well location not shown on Figure 2

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

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

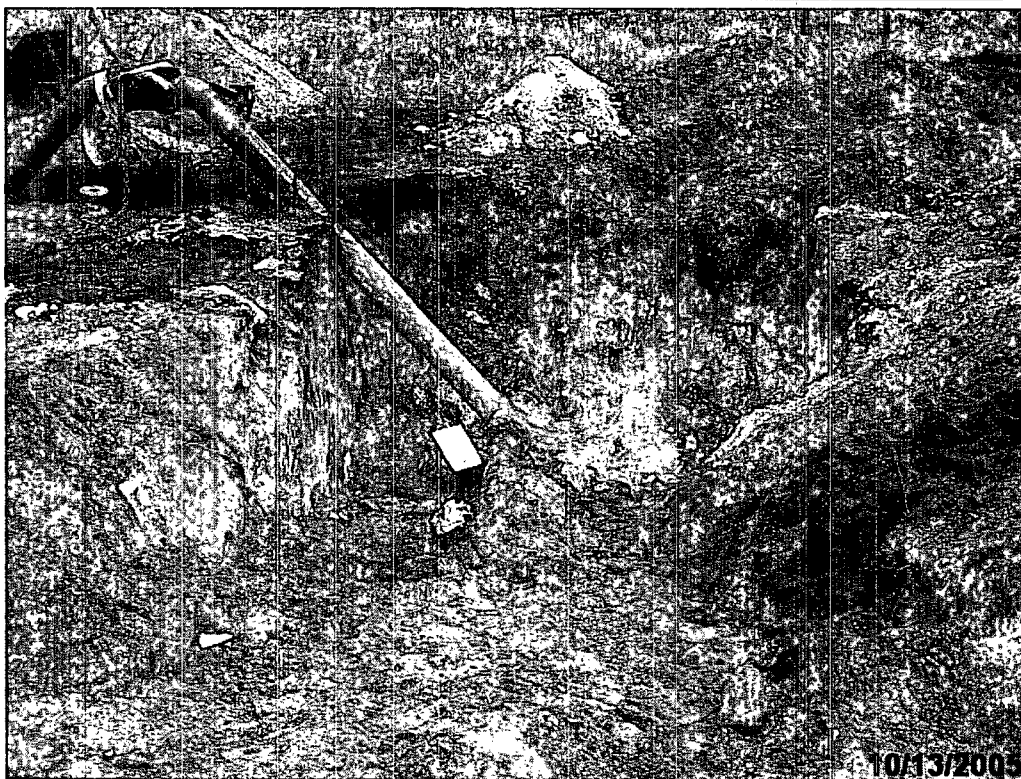
IND = Industrial

STK = Livestock Watering

CLW = Change Location of Well (Ground)

EXP = Expired

PRO = Production



Photograph #1: Release area, looking easterly. Dark colored soil indicates contamination.



Photograph #2: Release area, looking southerly. Dark colored soil indicates contamination.