

**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 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

<b>Name of Company</b> Duke Energy Field Services	<b>Contact</b> Mark Owens
<b>Address</b> 1625 West Mariand, Hobbs, New Mexico 88240	<b>Telephone No.</b> (505) 397-4451
<b>Facility Name</b> A-18-13-1 Ext.	<b>Facility Type</b> 4" Steel Low Pressure Line

<b>Surface Owner</b> State of New Mexico, leased by Eidson Ranches	<b>Mineral Owner</b>	<b>Lease No.</b>
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**LOCATION OF RELEASE**

<b>Unit Letter</b> J	<b>Section</b> 10	<b>Township</b> T17S	<b>Range</b> R34E	<b>Feet from the North/South Line</b>	<b>Feet from the East/West Line</b>	<b>County: Lea</b> Lat. N 32° 50' 46.02" Lon. W 103° 32' 40.32"
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**NATURE OF RELEASE**

<b>Type of Release</b> Natural Gas and Natural Gas Liquids	<b>Volume of Release</b> 8 barrels	<b>Volume Recovered</b> No Recovery
<b>Source of Release</b> Internal corrosion of 4" steel low pressure line	<b>Date and Hour of Occurrence</b> September 27, 2005	<b>Date and Hour of Discovery</b> September 27, 2005 @ 14:30 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, NMOCD-Hobbs @ 15:42 hrs	
<b>By Whom?</b> Lynn Ward	<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 of a 4" steel line. The line was shut in, and will be abandoned.		
<b>Describe Area Affected and Cleanup Action Taken.*</b> Site will be delineated and a Remediation/Closure Proposal submitted to the NMOCD. Soil contaminated above the NMOCD Remedial Guidelines will be disposed of at an approved facility or remediated on site. Remedial Goals: TPH = 1,000 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 NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

<b>Signature:</b> <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>	<b>Phone:</b> (432) 620-4207	<b>Attached</b> <input type="checkbox"/>

\* Attach Additional Sheets If Necessary

*Facility - PPAC0613751546*  
*Incident - PPAC0613751675*  
*Application - PPAC0613751829*



ENVIRONMENTAL PLUS, INC.

Micro-Blaze

Micro-Blaze Oil™

STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

12 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 A-8-13-1 Ext. Release Site (Reference #130033)  
UL-J (NW¼ of the SE¼) of Section 10, Township 17 South, Range 34 East  
Latitude N 32° 50' 46.02" and Longitude W 103° 32' 40.32"

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 Eidson Ranches, approximately 3.8 miles north-northwest of Buckeye, New Mexico. The United States Geological Survey (USGS) and New Mexico Office of the State Engineer (NMOSE) database indicate there are 38 water supply wells located near the release site area; 13 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 88 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: Mark Owens, Duke Energy Field Services, Hobbs, NM  
Lynn Ward, Duke Energy Field Services, Midland, TX  
Steve Weathers, Duke Energy Field Services – Denver, CO

ENVIRONMENTAL PLUS, INC.



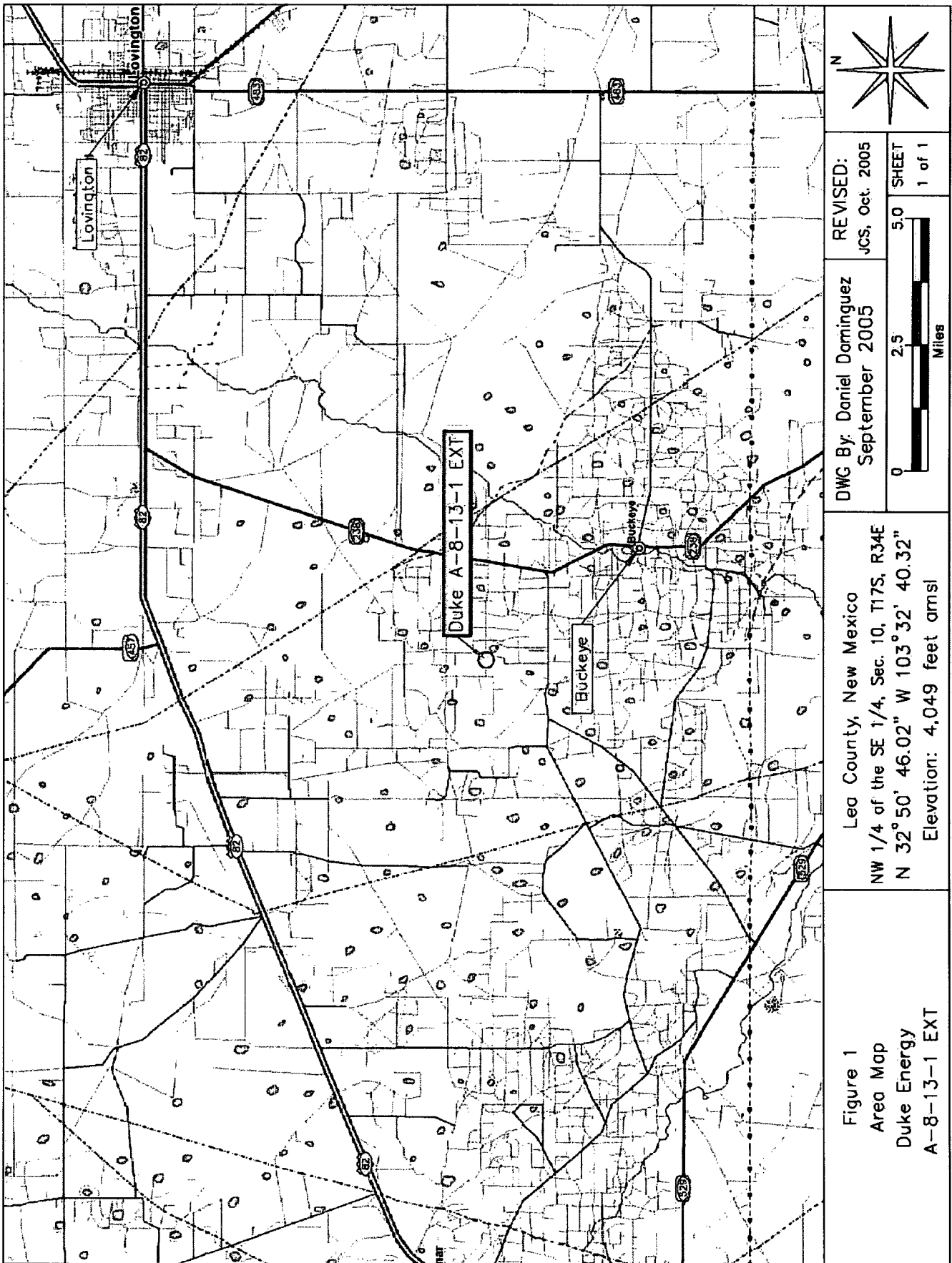
Site Information and Metrics

**Incident Date:**  
27 September 2005

**NMOCD Notified:**  
27 September 2005

<b>Site:</b> A-8-13-1 EXT		<b>Assigned Site Reference #:</b> 130033	
<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> Mark Owens			
<b>Representative Telephone:</b> (505) 397-5541			
<b>Telephone:</b>			
<b>Fluid volume released (bbls):</b> 8 bbls		<b>Recovered (bbls):</b> No Recovery	
<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> A-8-13-1 Ext.			
<b>Source of contamination:</b> Internal corrosion of an 4" steel low pressure line			
<b>Land Owner, i.e., BLM, ST, Fee, Other:</b> State of New Mexico, leased to Eidson Ranches			
<b>LSP Dimensions:</b> 40 feet by 20 feet and 31 feet by 10 feet			
<b>LSP Area:</b> ≈1,800 ft <sup>2</sup>			
<b>Location of Reference Point (RP):</b>			
<b>Location distance and direction from RP:</b>			
<b>Latitude:</b> N 32° 50' 46.02"			
<b>Longitude:</b> W 103° 32' 40.32"			
<b>Elevation above mean sea level:</b> 4,049			
<b>Feet from South Section Line:</b>			
<b>Feet from West Section Line:</b>			
<b>Location- Unit or ¼:</b> NW¼ of the SE¼		<b>Unit Letter:</b> J	
<b>Location- Section:</b> 10			
<b>Location- Township:</b> T17 S			
<b>Location- Range:</b> R 34 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> ≈ 88 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>			
<i>Ground water Score = 10</i>		<i>Wellhead Protection Area Score = 0</i>	
<i>Site Rank (1+2+3) = 10</i>		<i>Surface Water Score = 0</i>	
<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

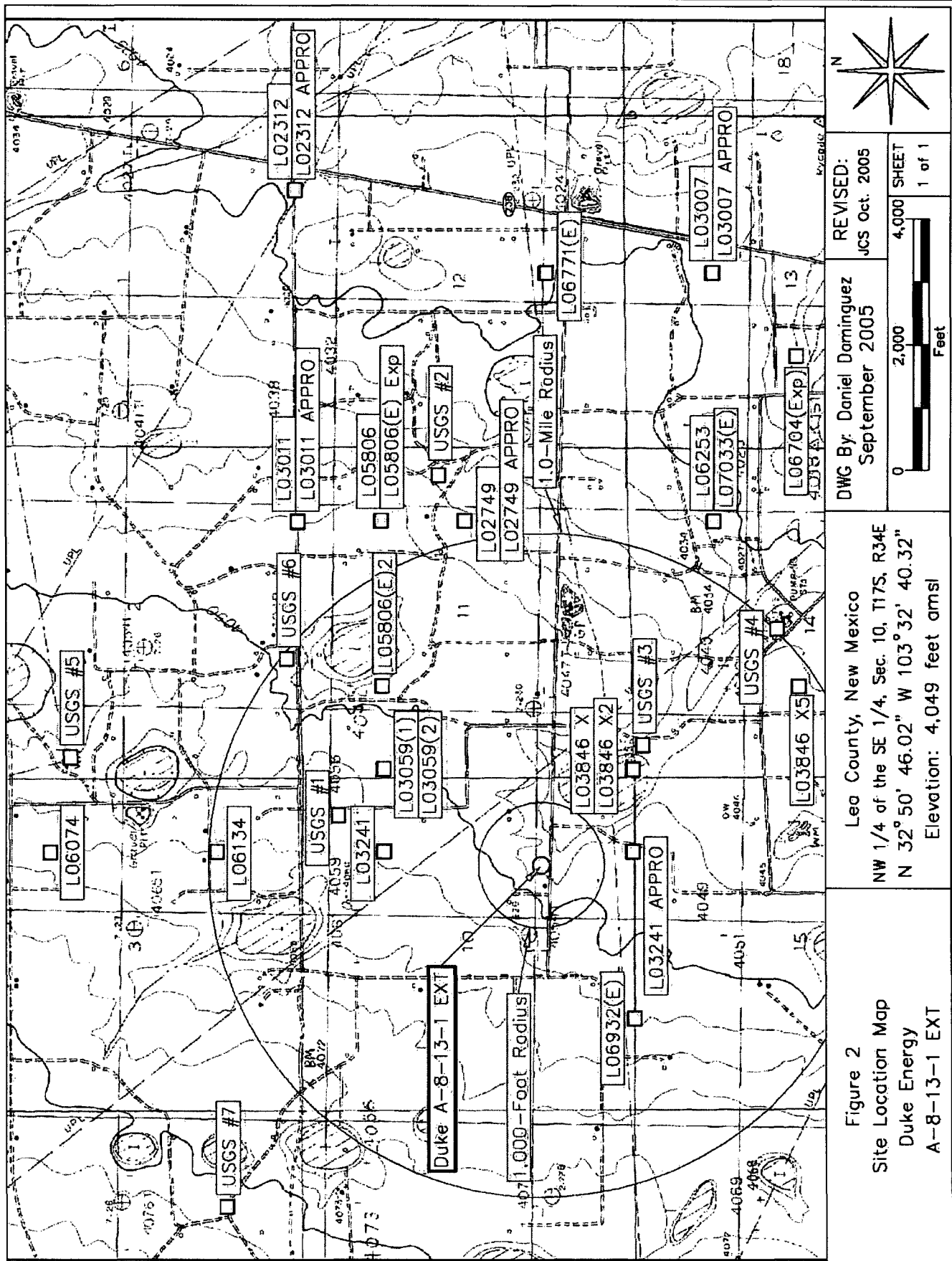
<sup>1</sup>100 ppm field VOC headspace measurement may be substituted for lab analysis



DWG By: Daniel Dominguez  
 September 2005  
 REVISED:  
 JCS, Oct. 2005  
 SHEET  
 5.0  
 1 of 1

Lea County, New Mexico  
 NW 1/4 of the SE 1/4, Sec. 10, T17S, R34E  
 N 32° 50' 46.02" W 103° 32' 40.32"  
 Elevation: 4,049 feet amsl

Figure 1  
 Area Map  
 Duke Energy  
 A-8-13-1 EXT



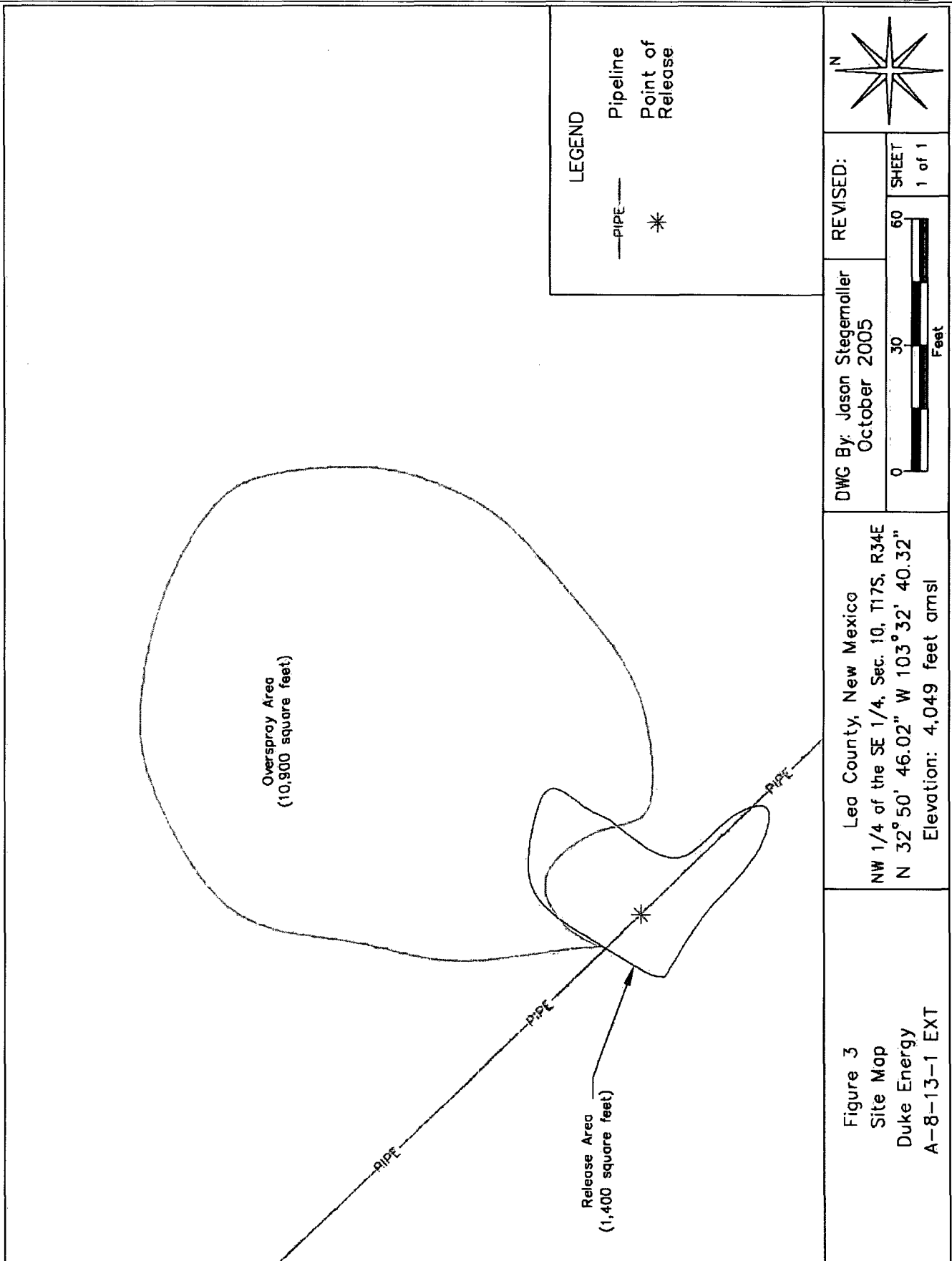


TABLE 1

WELL INFORMATION REPORT\*

Duke Energy Field Services A-8-13-1-EXT - Ref #130032

Well Number	Diversion <sup>A</sup>	Owner	Use	Source	Twp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation <sup>B</sup>	Depth to Water (ft bbl)
L 02312	3	WARREN & BRADSHAW ATTENTION	PRO	Shallow	17S	34E	01 44	N 32° 51' 24.81"	W 103° 30' 33.59"	05-Aug-93	4,030	71
L 02312 APPRO				Shallow	17S	34E	01 44	N 32° 51' 24.81"	W 103° 30' 33.59"	05-Aug-93	4,030	71
L 02749	3	DON ANGLE & SP YATES DRILLING	PRO	Shallow	17S	34E	11 24	N 32° 50' 58.21"	W 103° 31' 33.99"	14-Jan-93	4,049	83
L 02749 APPRO				Shallow	17S	34E	11 24	N 32° 50' 58.21"	W 103° 31' 33.99"	14-Jan-93	4,049	83
L 03007	3	DONNELLY DRILLING CO.	PRO	Shallow	17S	34E	11 21	N 32° 50' 19.21"	W 103° 30' 49"	26-Oct-93	4,030	70
L 03007 APPRO				Shallow	17S	34E	11 21	N 32° 50' 19.21"	W 103° 30' 49"	26-Oct-93	4,030	70
L 03011	3	OSCAR BOURG DRILLING INC.	PRO	Shallow	17S	34E	02 44	N 32° 51' 24.38"	W 103° 31' 33.41"	09-Nov-93	4,052	80
L 03011 APPRO				Shallow	17S	34E	02 44	N 32° 51' 24.38"	W 103° 31' 33.41"	09-Nov-93	4,052	80
L 03019 (1)	0	SP YATES DRILLING CO.	PRO		17S	34E	11 11	N 32° 51' 11.01"	W 103° 32' 21.94"	09-Nov-93	4,060	92
L 03019 (2)	0	YATES DRILLING COMPANY	PRO		17S	34E	11 11	N 32° 51' 11.01"	W 103° 32' 21.94"	12-Jul-96	4,061	92
L 03241	3	DENVER DRILLING CO.	PRO	Shallow	17S	34E	10 22	N 32° 51' 10.99"	W 103° 32' 37.45"	10-Jun-96	4,053	92
L 03241 APPRO				Shallow	17S	34E	10 22	N 32° 51' 10.99"	W 103° 32' 37.45"	10-Jun-96	4,053	92
L 03846 X	1,200	MOBILE OIL CORPORATION	PRO	Shallow	17S	34E	11 33	N 32° 50' 31.78"	W 103° 32' 21.97"		4,047	
L 03846 X2				Shallow	17S	34E	11 33	N 32° 50' 31.78"	W 103° 32' 21.97"		4,047	
L 03846 X3				Shallow	17S	34E	14 44	N 32° 49' 39.77"	W 103° 31' 33.37"		4,029	
L 03846 X4				Shallow	17S	34E	14 41	N 32° 49' 52.71"	W 103° 31' 50.87"		4,039	
L 03846 X5				Shallow	17S	34E	14 14	N 32° 50' 3.77"	W 103° 32' 6.37"		4,049	
L 05806	0	MARCUM DRILLING CO.	PRO	Shallow	17S	34E	11 22	N 32° 51' 11.30"	W 103° 31' 33.40"	03-Nov-93	4,054	103
L 05806 (E) EXP	0	GULF OIL CORPORATION	PRO		17S	34E	11 22	N 32° 51' 11.30"	W 103° 31' 33.40"		4,054	
L 05806 (E) 2	0	GULF OIL CORPORATION	PRO		17S	34E	11 32	N 32° 51' 14.3"	W 103° 32' 6.42"		4,054	
L 06074	0	LIC-LOWE DRILLING CO.	PRO	Shallow	17S	34E	03 22	N 32° 52' 3.77"	W 103° 32' 37.68"	19-Nov-96	4,070	93
L 06134	0	MARCUM DRILLING COMPANY	PRO	Shallow	17S	34E	09 42	N 32° 51' 37.07"	W 103° 32' 37.53"	01-May-97	4,068	99
L 06240	0	A. W. INC. THOMPSON	PRO	Shallow	17S	34E	13 43	N 32° 49' 39.94"	W 103° 30' 49.02"	08-Dec-97	4,023	81
L 06253	0	MARCUM DRILLING COMPANY	PRO	Shallow	17S	34E	14 22	N 32° 50' 18.96"	W 103° 31' 33.58"	06-Jan-98	4,037	81
L 06254	0	MARCUM DRILLING CO.	PRO	Shallow	17S	34E	14 44	N 32° 49' 39.77"	W 103° 31' 33.37"	04-Jan-98	4,030	75
L 06704 EXP	0	NOBLE DRILLING CORP.	PRO		17S	34E	13 14	N 32° 50' 6.04"	W 103° 31' 4.44"		4,023	
L 06771 (E)	0	CAGTUS DRILLING CORPORATION	PRO	Shallow	17S	34E	12 41	N 32° 50' 43.41"	W 103° 30' 43"	26-Feb-73	4,032	86
L 06992 (E)	0	MORAN OIL PRODUCTION CORP.	PRO	Shallow	17S	34E	10 34	N 32° 50' 31.54"	W 103° 33' 18.46"	18-Apr-72	4,064	101
L 07093 (E)	0	MARCUM DRILLING COMPANY	PRO	Shallow	17S	34E	14 22	N 32° 50' 18.96"	W 103° 31' 33.58"	21-Dec-73	4,037	80
L 09987	3	INC. EIDSON RANCH	STK	Shallow	17S	34E	15 4	N 32° 49' 39.34"	W 103° 32' 52.88"	08-Apr-98	4,060	60
USGS #1					17S	34E	10 223			18-Dec-90		99.92
USGS #2					17S	34E	11 244			19-Feb-76		88.7
USGS #3					17S	34E	14 111			18-Dec-90		106.95
USGS #4					17S	34E	14 144			23-Jan-81		111.18
USGS #5					17S	34E	02 113			14-Feb-96		95.15
USGS #6					17S	34E	02 142			18-Dec-90		92.45
USGS #7					17S	34E	04 432			27-Mar-86		104.86
USGS #8					17S	34E	15 421			02-Apr-86		113.69

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://ivwaters.ose.state.nm.us:7001/ivwaters/wr\\_RegisServlet](http://ivwaters.ose.state.nm.us:7001/ivwaters/wr_RegisServlet)) 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

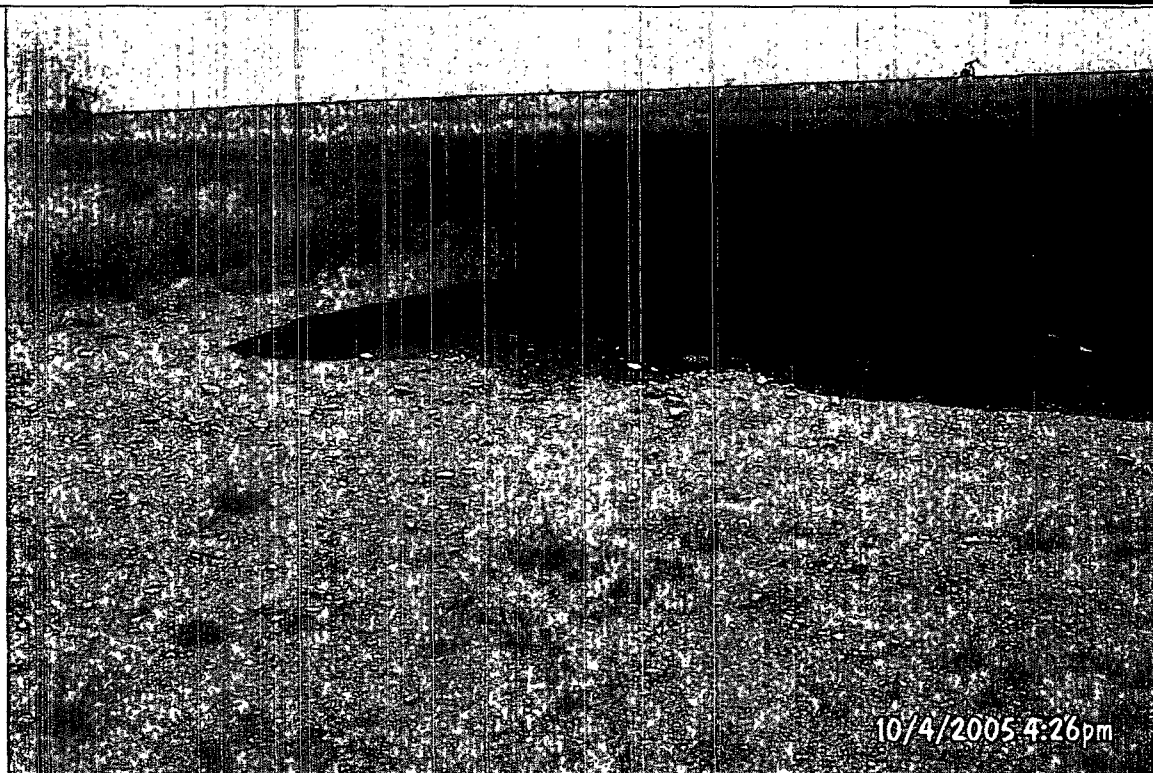
CLW = Change Location of Well (Ground)

EXP = Expired

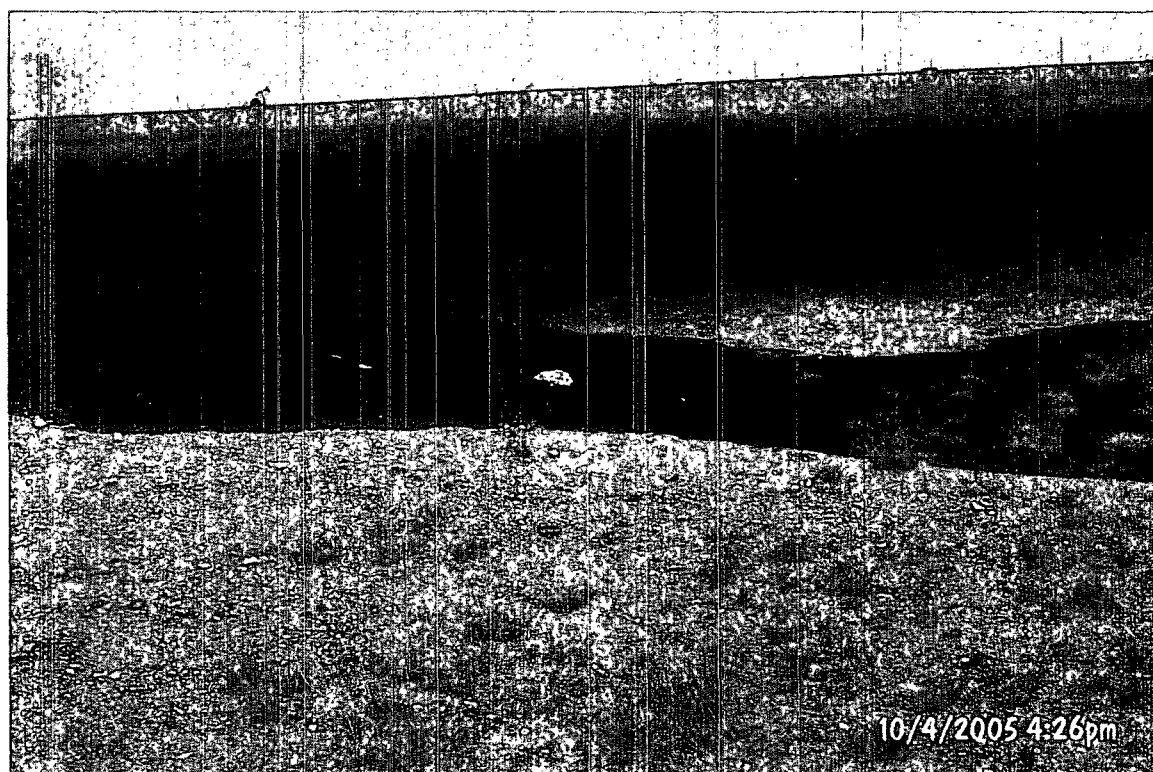
PRO = Production

(quarters are 1-NW, 2-NE, 3-SW, 4-SE)  
(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)





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



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