



# Highlander Environmental Corp.

Midland, Texas

June 11, 2007

Mr. Larry Johnson  
Environmental Engineer Specialist  
Oil Conservation Division- District I  
1625 N. French Drive  
Hobbs, New Mexico 88240

**RE: Assessment and Closure Report for the DCP Midstream, L.P. (Formerly Duke Energy Field Services, L.P.), J-7 Pipeline Spill Located in Unit Letter K, Section 4, Township 18 South, Range 35 East, Lea County, New Mexico.**

RP1418

Dear Mr. Johnson:

Highlander Environmental Corp. (Highlander) was contacted by DCP Midstream, L.P. to assess a spill on the J-7 Pipeline located in Unit Letter K, Section 4, Township 18 South, Range 35 East, Lea County, New Mexico (Site). The site coordinates are N 32.77651°, W 103.46572°. The State of New Mexico C-141 (Initial) is included in Appendix C. The Site is shown on Figure 1.

## Background

According to the State of New Mexico C-141 report, the spill occurred on July 13, 2006. The J-7 is a 6" diameter steel pipeline. Internal/external corrosion caused a leak, which released approximately 20 barrels of natural gas liquids, with 10 barrels recovered. The spill ran south down the lease road approximately 185' at a width of approximately 12' and 20' east of the lease road, at a width of 25'. The operator blocked the line, performed the repairs and worked the impacted soils. The spill area is shown on Figure 2.

## Groundwater and Regulatory

The New Mexico State Engineer Office database showed 4 wells in Section 4, with an average depth to water of 58' below ground surface. The New Mexico State Engineer and USGS well reports are shown in Appendix A. A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per

million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 1,000 mg/kg.

#### Assessment

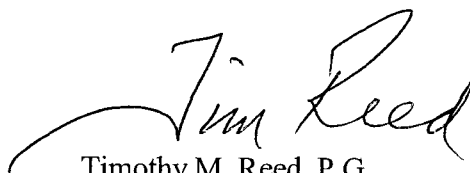
On February 12, 2007, Highlander personnel supervised the installation of three (3) test trenches with a backhoe to evaluate the vertical extent of any subsurface impact at this site. Soil samples were collected at 0-1.0' below ground surface (bgs) and 1.0'-1.5' bgs. The soil samples were placed into laboratory supplied containers and delivered to a laboratory under chain-of-custody control for TPH analysis by EPA method 8015 modified and chloride analysis by EPA method 300.0. The sample with the highest TPH concentration was analyzed for BTEX by EPA method 8021B.

#### Soil Sample Results/Conclusions

The soil sample results are summarized in Table 1. Referring to Table 1, all TPH and BTEX samples were below the RRAL. Chloride concentrations were all below 1000 mg/kg and the chloride impact to subsurface soils appears to be limited. The majority of the spill was confined to a caliche lease road. Copies of the laboratory reports and chain of custody documentation are included in Appendix B.

Considering the limited extent of chloride impact, the location of the spill along a lease road, and depth to groundwater, the residual chloride concentrations do not appear to be an imminent threat to groundwater. Based upon the investigation and remedial work performed at this facility, DCP Midstream, L.P. requests closure of this site. If you concur, please provide a "No further activities needed" letter to DCP Midstream, L.P. The State of New Mexico C-141 (Final) is included in Appendix C. If you require any additional information or have any questions or comments, please call.

HIGHLANDER ENVIRONMENTAL CORP.



Timothy M. Reed, P.G.  
Vice President

cc: Lynn Ward – DCP Midstream, L.P.



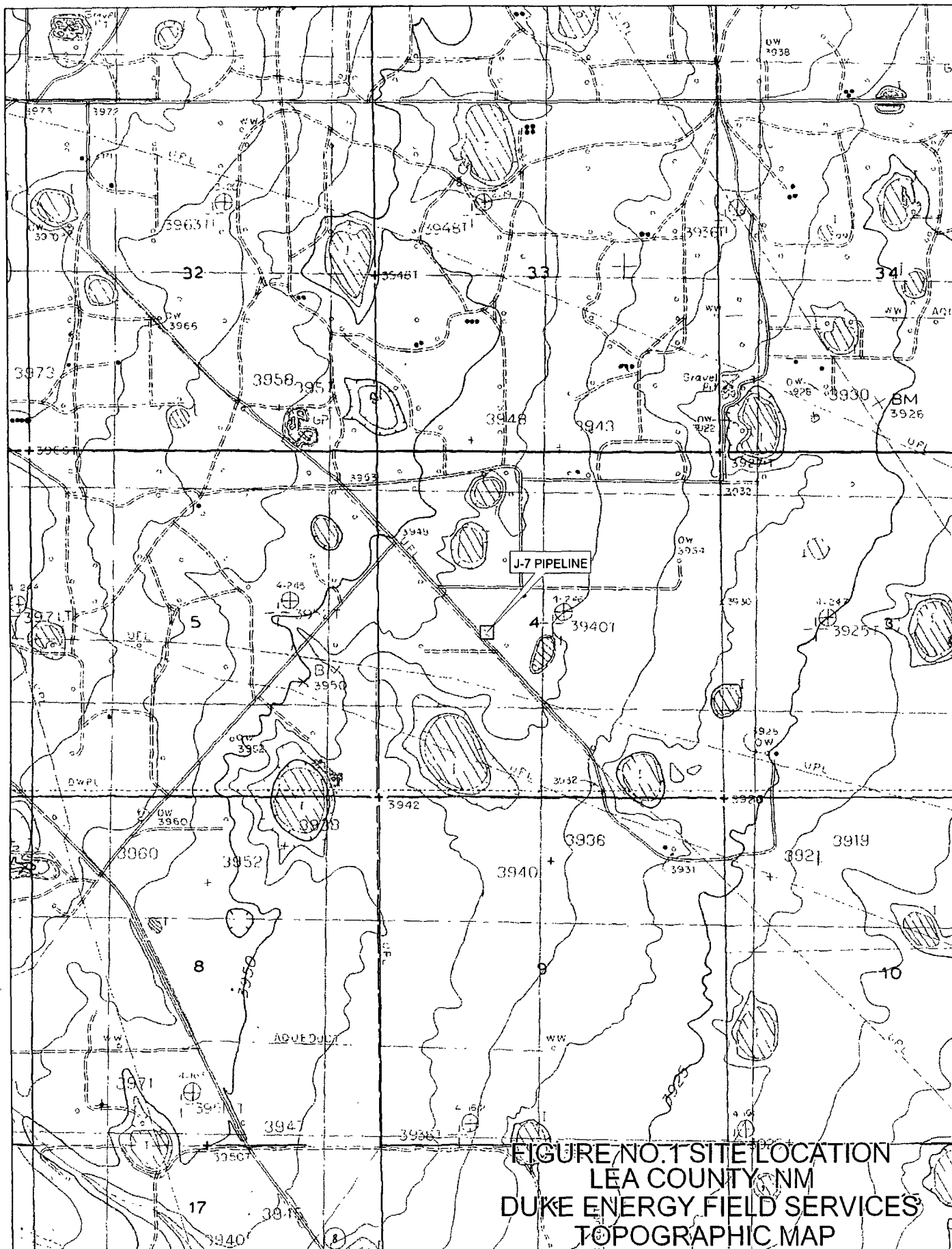
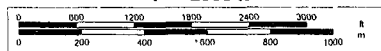


FIGURE NO. 1 SITE LOCATION  
LEA COUNTY, NM  
DUKE ENERGY FIELD SERVICES  
TOPOGRAPHIC MAP



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www.delorme.com

Scale 1 : 24,000  
1" = 2000 ft



DUKE & EL PASO  
PIPELINES



LEASE RD.

LEAK

PIPELINE

T-1

20'

188'

T-2

T-3

12'

⊙ TRENCHED AREAS

▨ SPILL AREA

NOT TO SCALE

FIGURE NO. 2

LEA COUNTY, NEW MEXICO

DUKE ENERGY FIELD SERVICES, L.P.  
J-7 LEAK

HIGHLANDER ENVIRONMENTAL CORP.  
MIDLAND, TEXAS

DATE:  
4/4/07  
OWN. BY:  
JJ  
FILE:  
C:\DUKE\2000\J-7 LEAK

## TABLES

Table 1  
Duke Energy Field Services, LP  
J-7 Pipeline Leak  
Lea County, NM

Sample ID	Date Sampled	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			C6-C12	C12-C28	C28-C35	Total					
T-1	2/12/2007	0-1.0'	13.3	670	124	807	<0.00200	<0.00200	<0.00200	<0.00200	964
T-1	2/12/2007	1'-1.5'	<10.0	<10.0	<10.0	<10.0	-	-	-	-	608
T-2	2/12/2007	0-1.0'	<10.0	322	86.9	409	-	-	-	-	303
T-2	2/12/2007	1'-1.5'	<10.0	<10.0	<10.0	<10.0	-	-	-	-	621
T-3	2/12/2007	0-1.0'	18.7	452	110	581	-	-	-	-	328
T-3	2/12/2007	1'-1.5'	<10.0	<10.0	<10.0	<10.0	-	-	-	-	664

(-) Not Analyzed

## APPENDIX A

**Water Well Data**  
**Average Depth to Groundwater (ft)**  
**Duke - J-7 Pipeline, Lea County, New Mexico**

**17 South 34 East**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

**17 South 35 East**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
40	55				
19	20	21	22	23	24
85	60				
30	29	28	27	26	25
83		70			
31	32	33	34	35	36
106		63	56	40	50

**17 South 36 East**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

**18 South 34 East**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

**18 South 35 East**

6	89	5	69	4	SITE	3	62	2	55	1
	Buckeye		58						51	
7	8	9	72	10	11	59	12			
85				49	48					
18	17	90	16	15	14	13				
90	124	75		90	135					
19	74	20	85	21	22	23	24			
70	50			70						
30	29	28	27	26	25					
	95		68	60						
31	32	33	34	35	36					
	58	80		58						

**18 South 36 East**

6	5	35	4	65	3	2	60	1	50
45									
7	65	8	9	85	10	11	12		
						38	40		
18	17	16	15	14	13				
25			53	55					
19	20	21	22	23	24				
	59	58	60	39	28				
30	29	28	27	26	25				
	55	45	55	55	62				
31	32	33	34	35	36				
			70						

**19 South 34 East**

6	5	4	3	2	100	1
244						
7	8	9	29	10	11	12
					123	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
					28	
31	32	33	34	35	36	

**19 South 35 East**

6	61	5	4	3	2	1
58	63	70				63
7	8	9	20	10	11	12
51	18			53		
18	17	26	16	15	14	13
	30			26	27	27
19	20	21	22	23	24	
			27		20	
30	29	28	27	26	25	
31	32	33	34	35	36	

**19 South 36 East**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

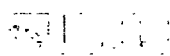
88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)  
 Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data



Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

## Ground-water levels for New Mexico

### Search Results -- 1 sites found

Search Criteria

site\_no list = • 324455103283501

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Ground-water: Field measurements

GO

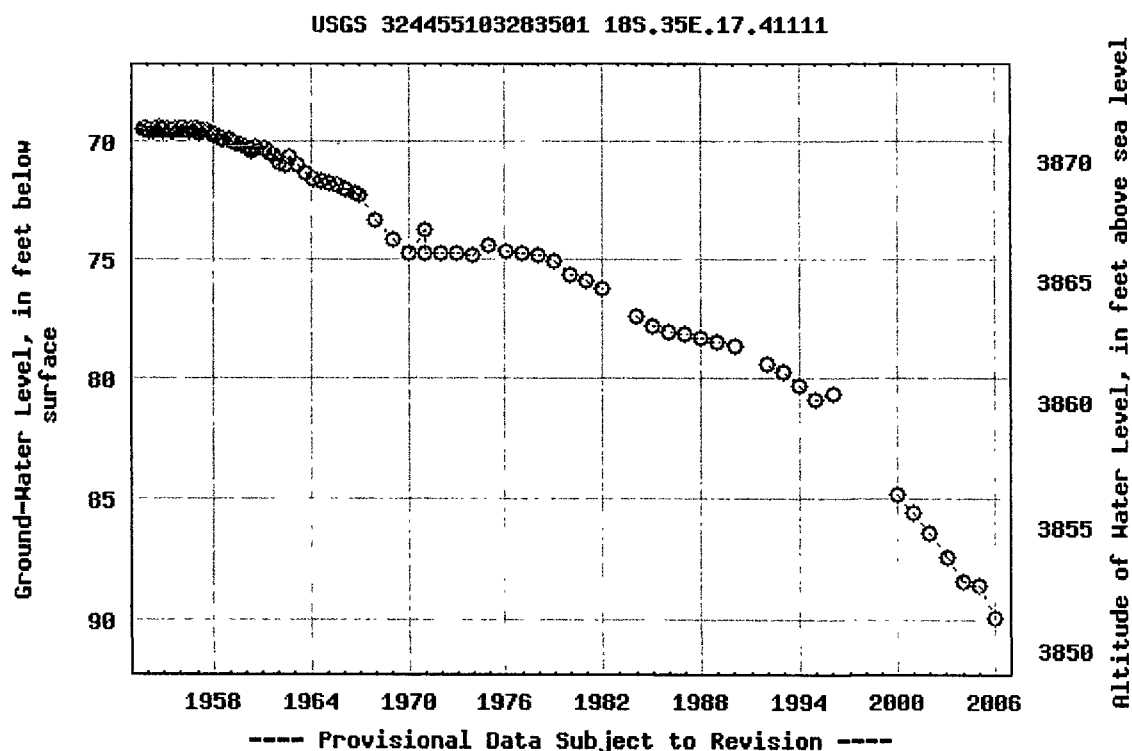
Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°44'55", Longitude 103°28'35" NAD27

Land-surface elevation 3,941.00 feet above sea level NGVD29

The depth of the well is 190 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site\_no list = • 324415103281501

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Available data for this site

Ground-water: Field measurements

GO

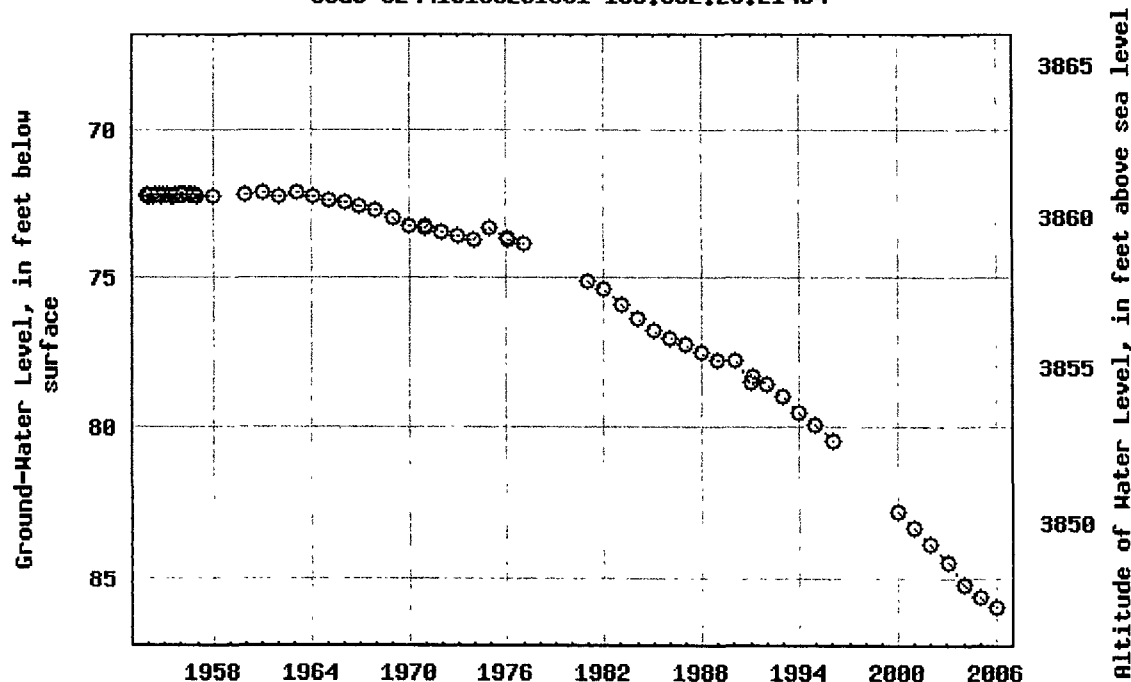
Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°44'15", Longitude 103°28'15" NAD27

Land-surface elevation 3,933.00 feet above sea level NGVD29

The depth of the well is 170 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)**USGS 324415103281501 18S.35E.20.21434**

---- Provisional Data Subject to Revision ----

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

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Ground-water: Field measurements

GO

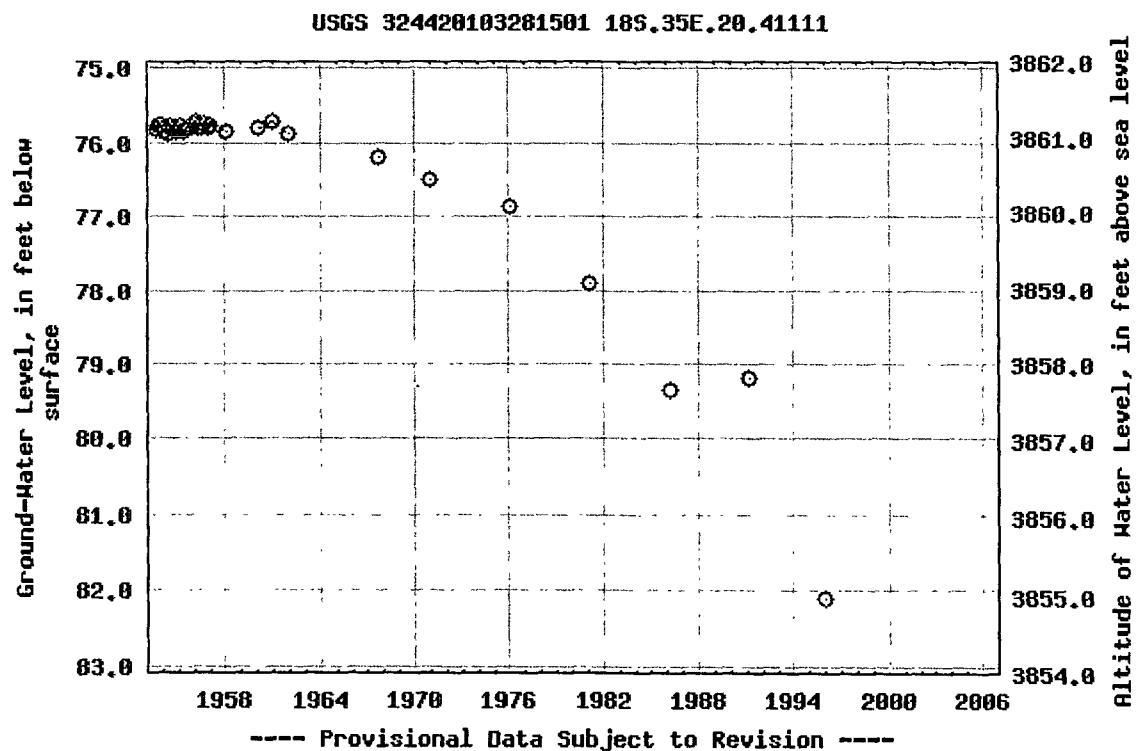
Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°44'20", Longitude 103°28'15" NAD27

Land-surface elevation 3,937.00 feet above sea level NGVD29

The depth of the well is 175 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

New Mexico

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

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[Save file of selected sites](#) to local disk for future upload

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Available data for this site

Ground-water: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

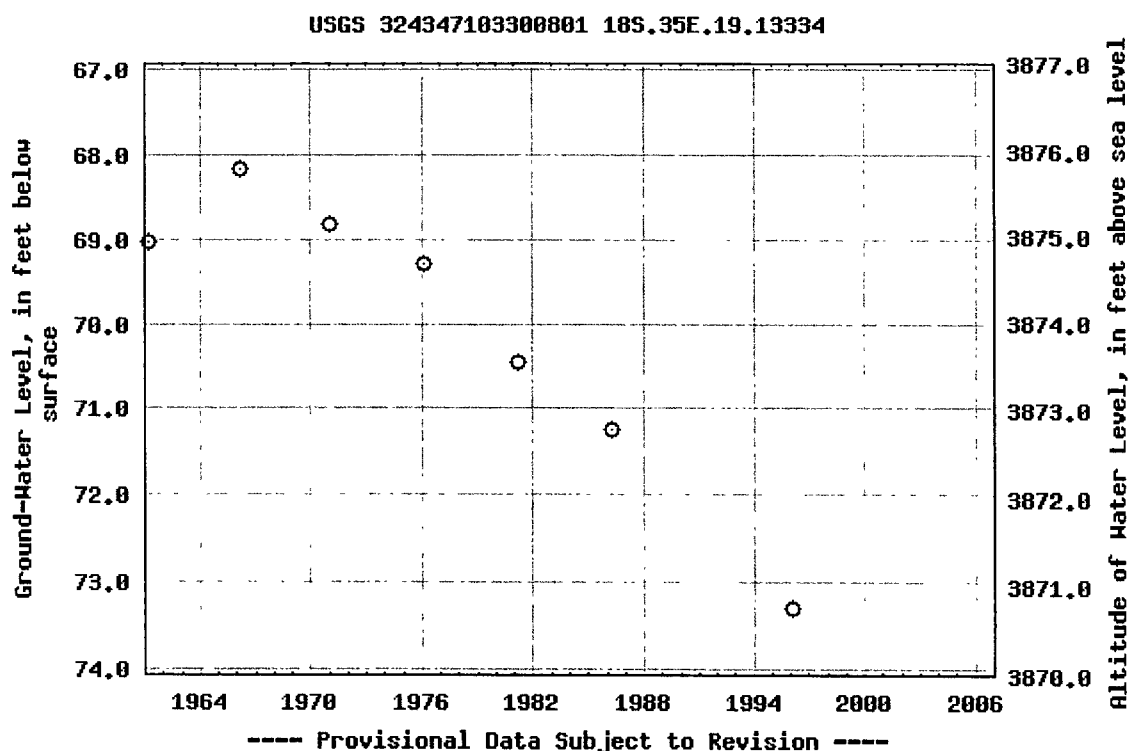
Latitude 32°43'47", Longitude 103°30'08" NAD27

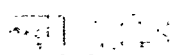
Land-surface elevation 3,944.00 feet above sea level NGVD29

The depth of the well is 107 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.

#### Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site\_no list = • 324510103255601

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Ground-water: Field measurements

GO

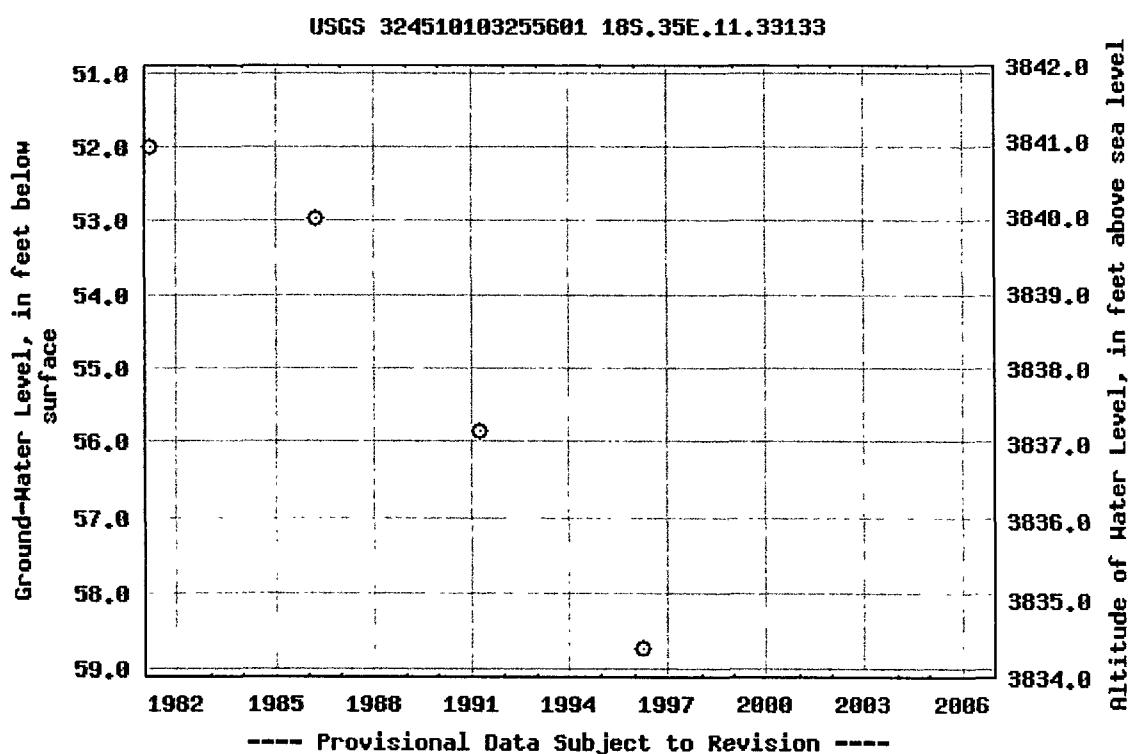
Lea County, New Mexico

Hydrologic Unit Code

Latitude 32°45'10", Longitude 103°25'56" NAD27

Land-surface elevation 3,893.00 feet above sea level NGVD29

The depth of the well is 105 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

3/1/2006

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site\_no list = • 324510103255601

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Ground-water: Field measurements

GO

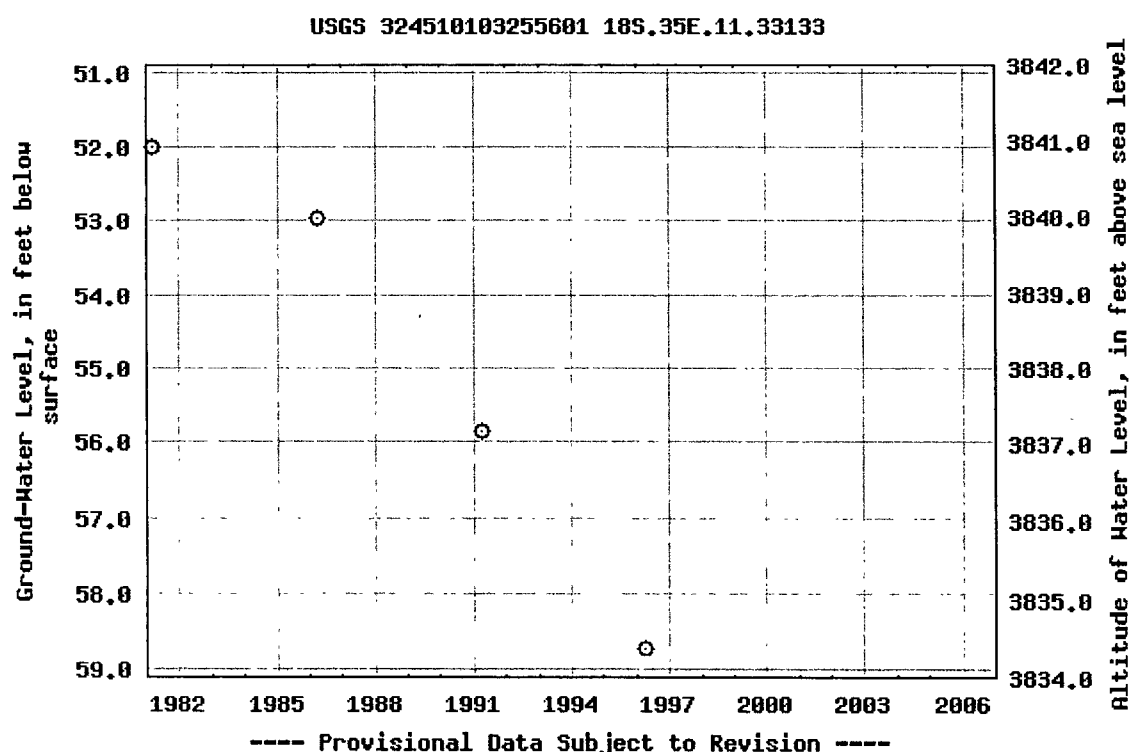
Lea County, New Mexico

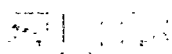
Hydrologic Unit Code

Latitude 32°45'10", Longitude 103°25'56" NAD27

Land-surface elevation 3,893.00 feet above sea level NGVD29

The depth of the well is 105 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

## Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site\_no list = • 324420103281501

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USGS 324420103281501 18S.35E.20.41111

Available data for this site

Ground-water: Field measurements

GO

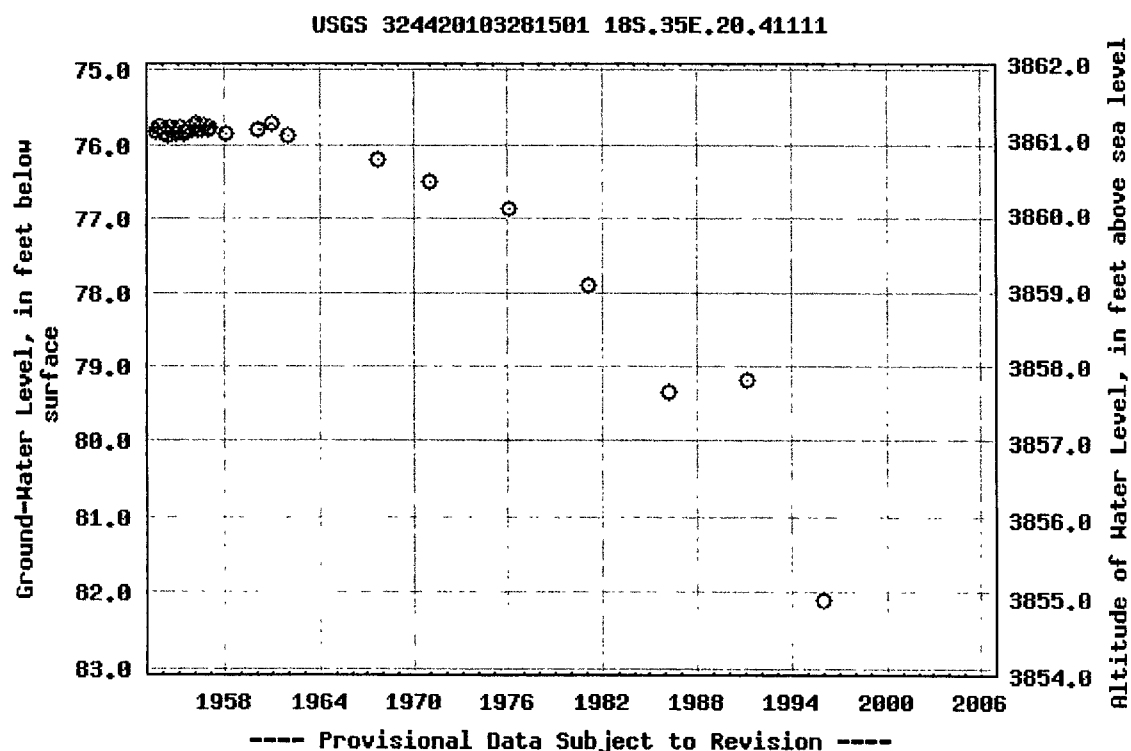
Lea County, New Mexico

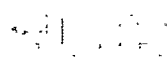
Hydrologic Unit Code 13070007

Latitude 32°44'20", Longitude 103°28'15" NAD27

Land-surface elevation 3,937.00 feet above sea level NGVD29

The depth of the well is 175 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)



Water  
Resources

National Water Information  
System: Web Interface

Data Category:  
Ground Water

Geographic Area:  
New Mexico

GO

## Ground-water levels for New Mexico

### Search Results -- 1 sites found

Search Criteria

site\_no list = • 324320103261301

[Save file of selected sites](#) to local disk for future upload

**USGS 324320103261301 18S.35E.22.43000**

**Available data for this site**

Ground-water: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code

Latitude 32°43'20", Longitude 103°26'13" NAD27

Land-surface elevation 3,893.00 feet above sea level NGVD29

The depth of the well is 185 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local aquifer.

#### Output formats

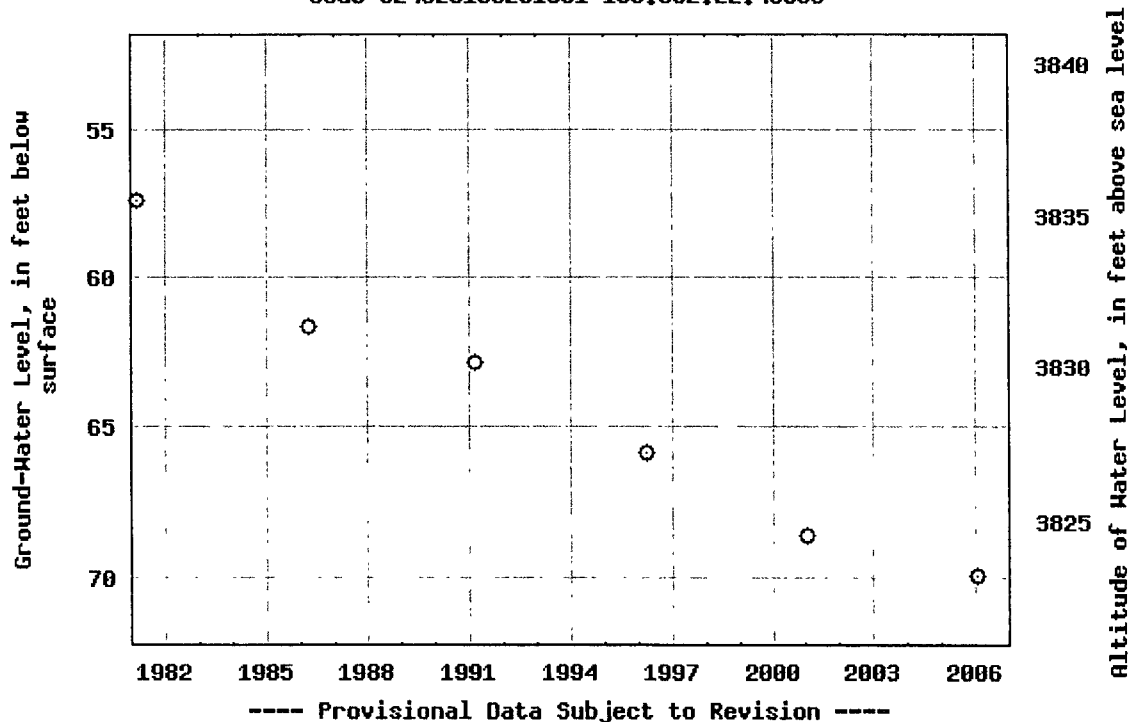
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

**USGS 324320103261301 18S.35E.22.43000**





Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site\_no list = • 324629103253601

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Ground-water: Field measurements

GO

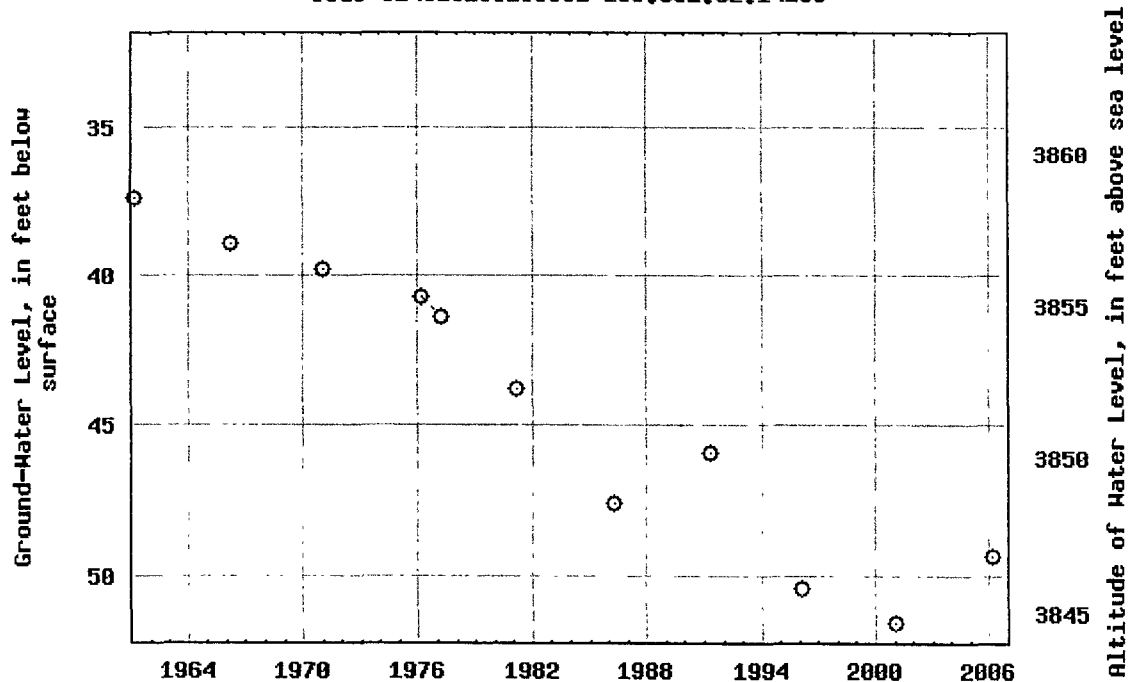
Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°46'29", Longitude 103°25'36" NAD27

Land-surface elevation 3,896.00 feet above sea level NGVD29

The depth of the well is 100 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)**USGS 324629103253601 18S.35E.02.14230**

---- Provisional Data Subject to Revision ----

Water  
Resources

National Water Information  
System: Web Interface

Data Category:  
Ground Water

Geographic Area:  
New Mexico

GO

## Ground-water levels for New Mexico

### Search Results -- 1 sites found

Search Criteria

site\_no list = • 324710103245501

[Save file of selected sites](#) to local disk for future upload

**USGS 324710103245501 17S.35E.36.311434**

**Available data for this site**

Ground-water: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°47'10", Longitude 103°24'55" NAD27

Land-surface elevation 3,895.00 feet above sea level NGVD29

The depth of the well is 110 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local aquifer.

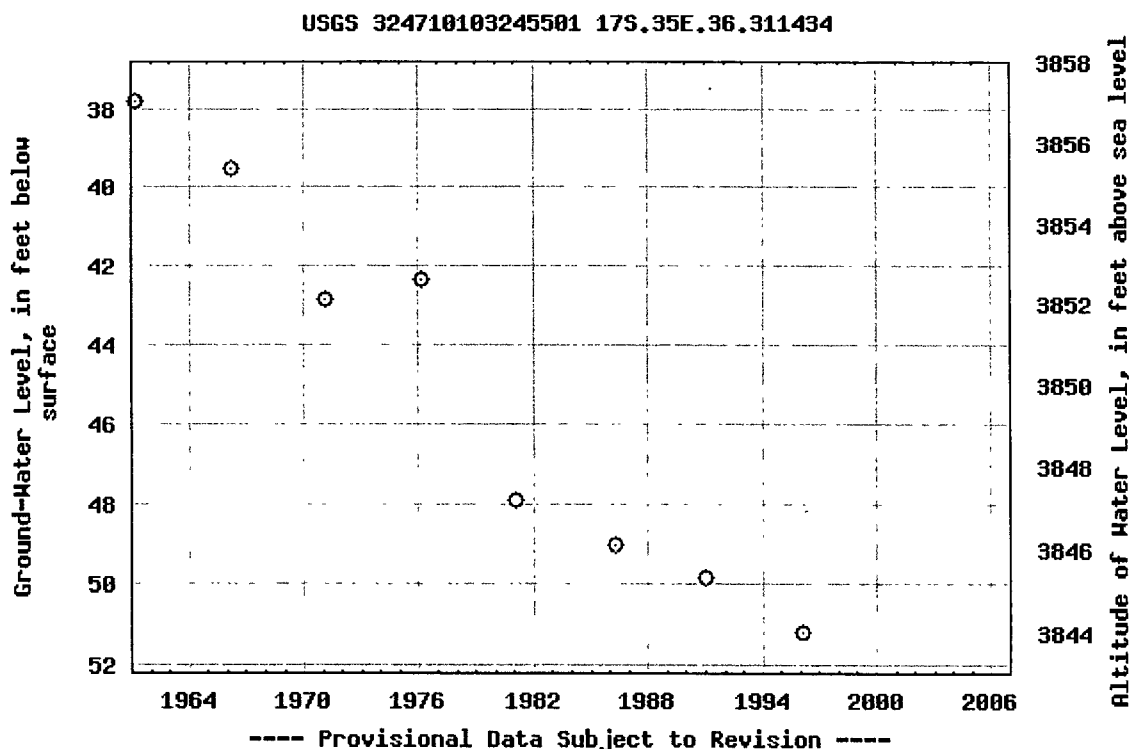
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site\_no list = • 324745103251501

Save file of selected sites to local disk for future upload**USGS 324745103251501 17S.35E.35.213132****Available data for this site**

Ground-water: Field measurements

GO

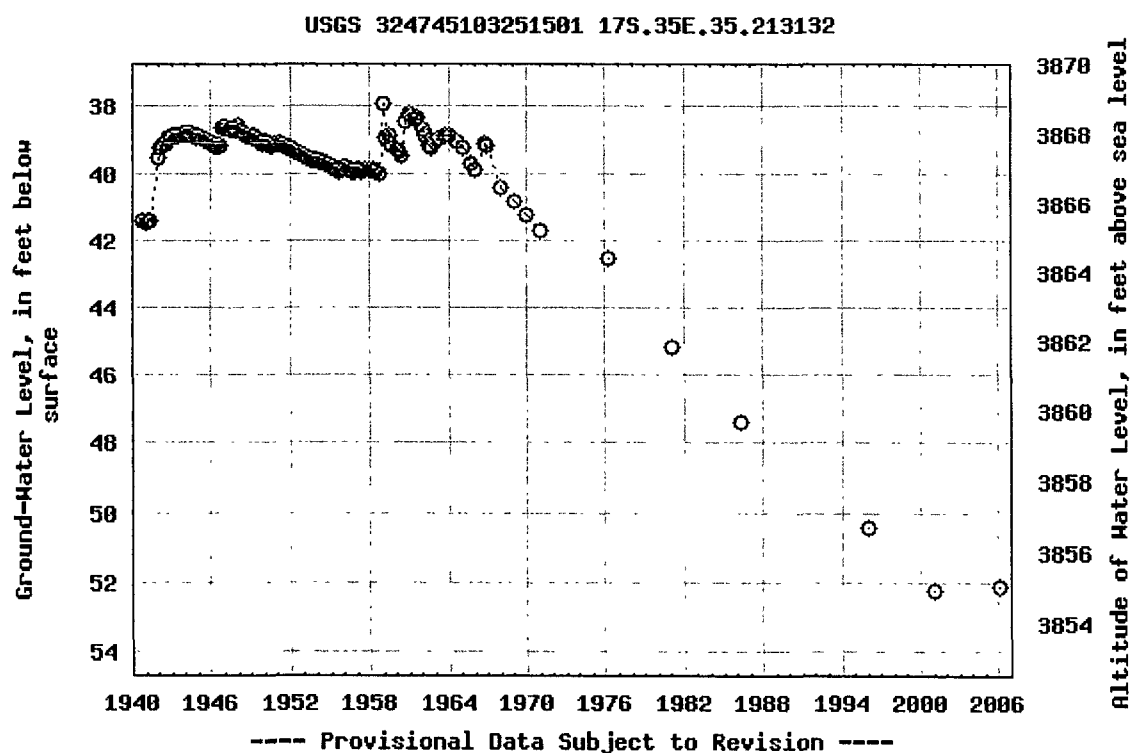
Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°47'45", Longitude 103°25'15" NAD27

Land-surface elevation 3,907.00 feet above sea level NGVD29

The depth of the well is 121 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

3/21/2006

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site\_no list = • 324824103271501

[Save file of selected sites](#) to local disk for future upload

### USGS 324824103271501 17S.35E.28.22332

Available data for this site

Ground-water: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°48'24", Longitude 103°27'15" NAD27

Land-surface elevation 3,948.00 feet above sea level NGVD29

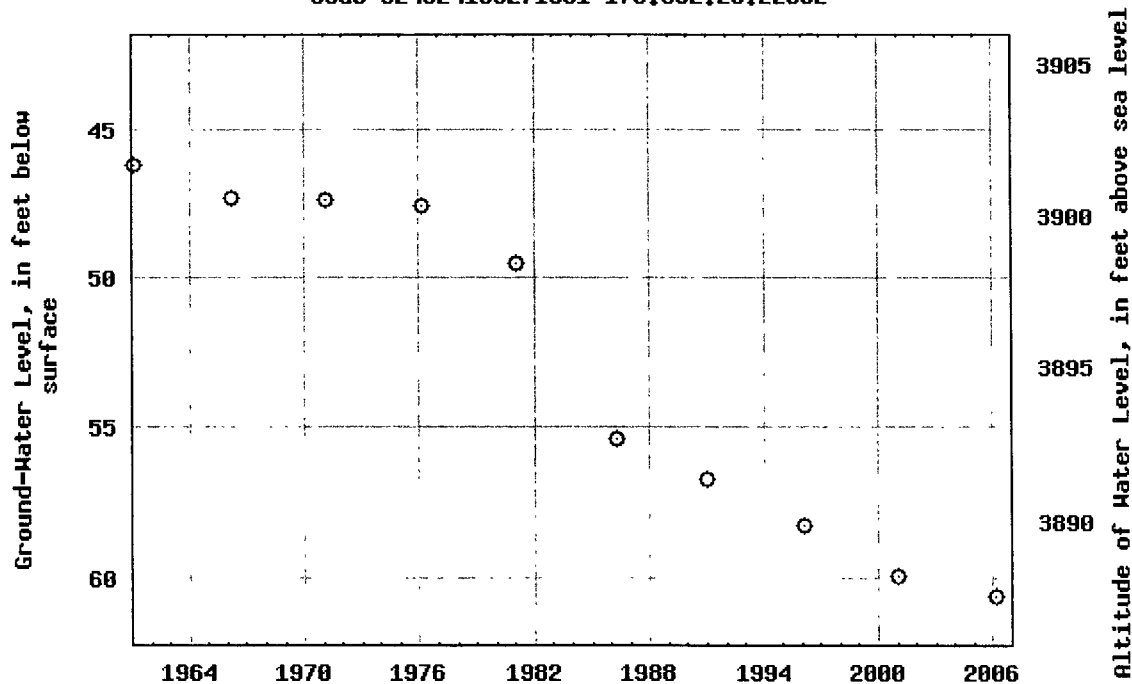
The depth of the well is 125 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.

#### Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

#### USGS 324824103271501 17S.35E.28.22332



----- Provisional Data Subject to Revision -----

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site\_no list = • 324918103240601

[Save file of selected sites](#) to local disk for future upload

### USGS 324918103240601 17S.35E.24.22322

Available data for this site

Ground-water: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

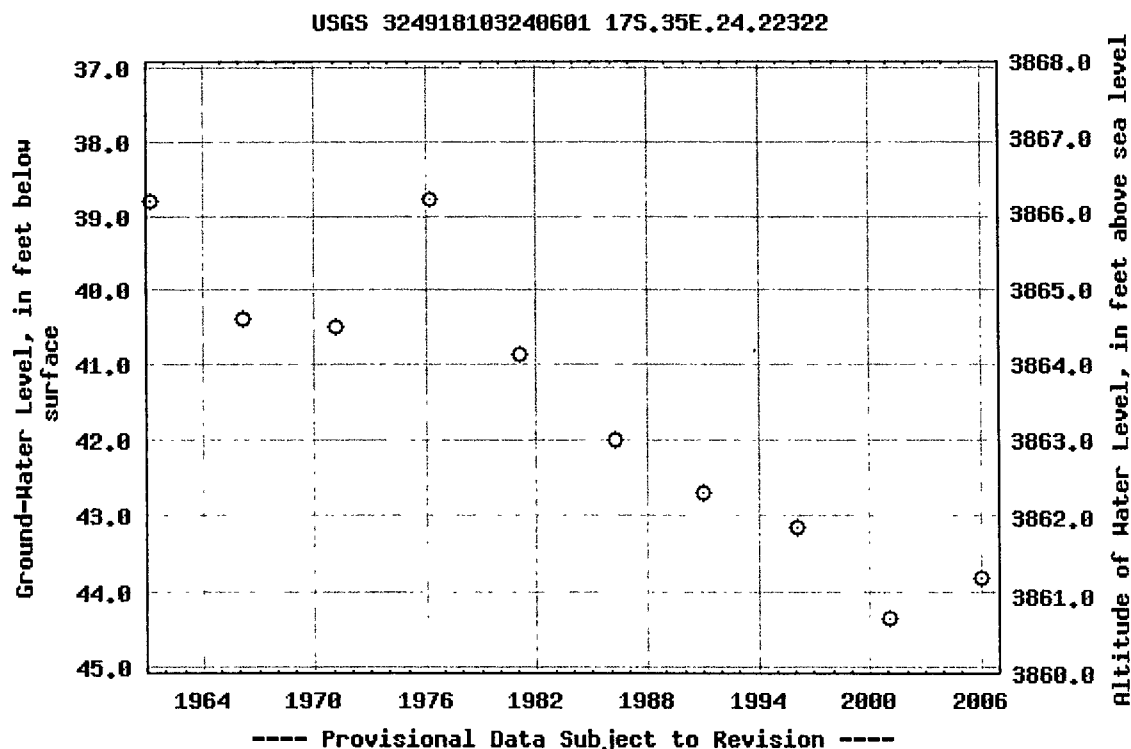
Latitude 32°49'18", Longitude 103°24'06" NAD27

Land-surface elevation 3,905.00 feet above sea level NGVD29

The depth of the well is 90 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.

#### Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

4/1/2008

Water  
ResourcesNational Water Information  
System: Web InterfaceData Category:  
Ground WaterGeographic Area:  
New Mexico

GO

# Ground-water levels for New Mexico

## Search Results -- 1 sites found

Search Criteria

site\_no list = • 325106103260001

[Save file of selected sites](#) to local disk for future upload

### USGS 325106103260001 17S.35E.11.11133

Available data for this site

Ground-water: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

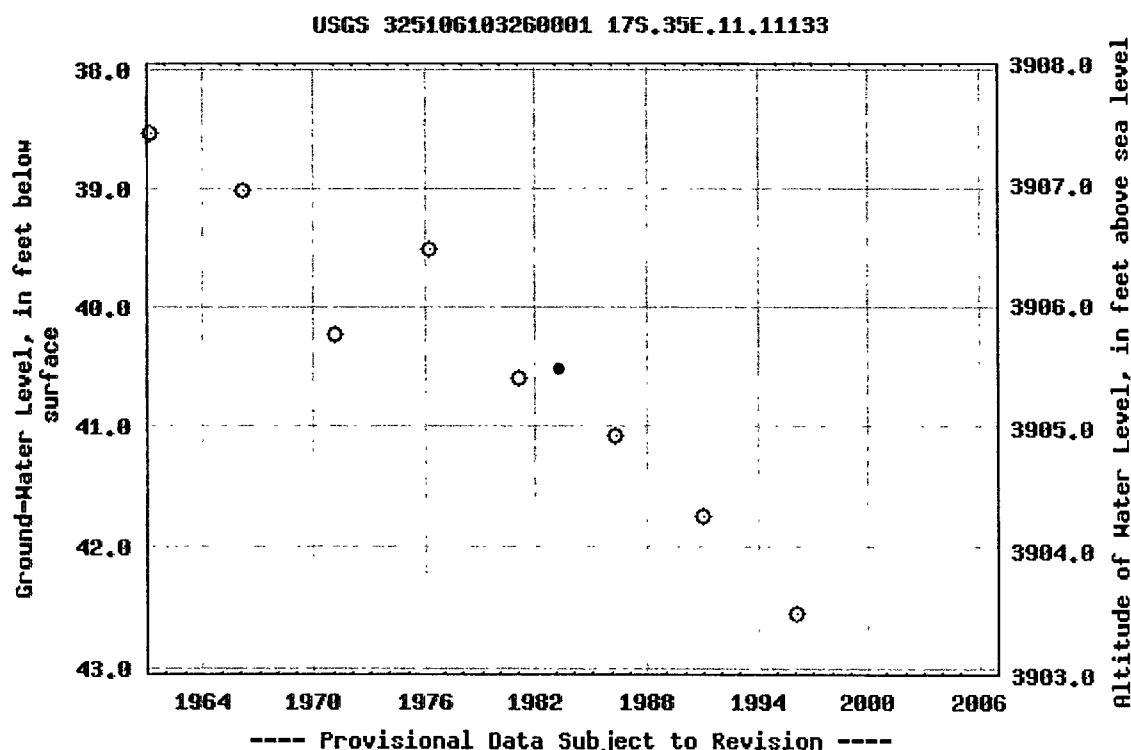
Latitude 32°51'06", Longitude 103°26'00" NAD27

Land-surface elevation 3,946.00 feet above sea level NGVD29

The depth of the well is 128 feet below land surface.

This well is completed in the OGALLALA FORMATION (121OGLL) local  
aquifer.

#### Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

*New Mexico Office of the State Engineer*  
**POD Reports and Downloads**

Township: 18S      Range: 35E      Sections:

NAD27 X:                      Y:                      Zone:  Search Radius:

County:  Basin:  Number:      Suffix:

Owner Name: (First) \_\_\_\_\_ (Last) \_\_\_\_\_ ☐ Non-Domestic ☐ Domestic  
☒ All

## POD-/ Surface Data Report

## Avg Depth to Water Report

## Water Column Report

[Clear Form](#)

## iWATERS Menu

Help

## AVERAGE DEPTH OF WATER REPORT 10/11/2006

(Depth Water in Feet)

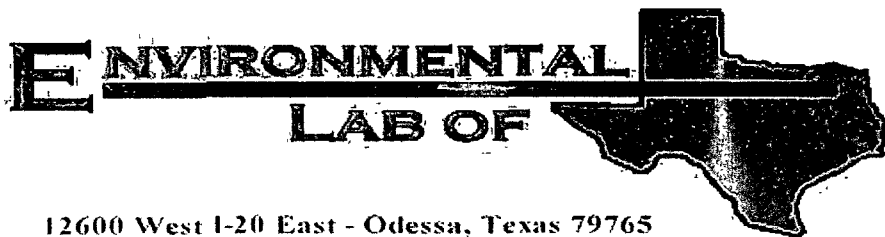
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	18S	35E	02				3	51	52	51
L	18S	35E	03				1	62	62	62
L	18S	35E	04				4	50	70	58
L	18S	35E	05				7	60	75	69
L	18S	35E	06				5	60	110	89
L	18S	35E	07				8	75	95	85
L	18S	35E	09				1	72	72	72
L	18S	35E	10				1	49	49	49
L	18S	35E	11				1	48	48	48
L	18S	35E	13				1	135	135	135
L	18S	35E	14				2	90	90	90
L	18S	35E	16				2	65	84	75
L	18S	35E	17				4	90	150	124
L	18S	35E	18				2	90	90	90
L	18S	35E	19				2	70	70	70
L	18S	35E	20				1	50	50	50
L	18S	35E	21				2	60	60	60
L	18S	35E	22				5	65	95	75
L	18S	35E	23				2	78	78	78
L	18S	35E	26				2	60	60	60
L	18S	35E	27				4	65	70	68
L	18S	35E	29				2	95	95	95
L	18S	35E	32				1	58	58	58
L	18S	35E	33				1	80	80	80
L	18S	35E	35				3	55	60	58

Record Count: 67

## 10/11/2006



APPENDIX B



12600 West I-20 East - Odessa, Texas 79765

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## Analytical Report

**Prepared for:**

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ J-7 Line

Project Number: 2689

Location: Lea County, NM

Lab Order Number: 7B13001

Report Date: 02/19/07

Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax (432) 682-3946

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-1 0-1 0'	7B13001-01	Soil	02/12/07 00 00	02-13-2007 09 30
T-1 0-1 5'	7B13001-02	Soil	02/12/07 00 00	02-13-2007 09 30
T-2 0-1 0'	7B13001-03	Soil	02/12/07 00 00	02-13-2007 09 30
T-2 0-1 5'	7B13001-04	Soil	02/12/07 00 00	02-13-2007 09 30
T-3 0-1 0'	7B13001-05	Soil	02/12/07 00 00	02-13-2007 09 30
T-3 0-1 5'	7B13001-06	Soil	02/12/07 00 00	02-13-2007 09 30

Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax (432) 682-3946

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>T-1 0-1.0' (7B13001-01) Soil</b>									
Benzene	ND	0 00200	mg/kg dry	2	EB71304	02/18/07	02/18/07	EPA 8021B	
Toluene	ND	0 00200	"	"	"	"	"	"	
Ethylbenzene	ND	0 00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00200	"	"	"	"	"	"	
Xylene (o)	ND	0 00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		75.2 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		64.8 %	80-120		"	"	"	"	S-04
<b>Carbon Ranges C6-C12</b>	<b>13.3</b>	10 0	mg/kg dry	1	EB71406	02/14/07	02/16/07	EPA 8015M	
<b>Carbon Ranges C12-C28</b>	<b>670</b>	10 0	"	"	"	"	"	"	
<b>Carbon Ranges C28-C35</b>	<b>124</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbons</b>	<b>807</b>	10 0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-130		"	"	"	"	
<b>T-1 0-1.5' (7B13001-02) Soil</b>									
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EB71406	02/14/07	02/15/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10 0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		88.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.8 %	70-130		"	"	"	"	
<b>T-2 0-1.0' (7B13001-03) Soil</b>									
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EB71406	02/14/07	02/15/07	EPA 8015M	
<b>Carbon Ranges C12-C28</b>	<b>322</b>	10 0	"	"	"	"	"	"	
<b>Carbon Ranges C28-C35</b>	<b>86.9</b>	10 0	"	"	"	"	"	"	
<b>Total Hydrocarbons</b>	<b>409</b>	10 0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.0 %	70-130		"	"	"	"	

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager. Ike Tavarez

Fax (432) 682-3946

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>T-2 0-1.5' (7B13001-04) Soil</b>									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB71406	02/14/07	02/15/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		85.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.6 %	70-130		"	"	"	"	
<b>T-3 0-1.0' (7B13001-05) Soil</b>									
Carbon Ranges C6-C12	18.7	10.0	mg/kg dry	1	EB71405	02/14/07	02/16/07	EPA 8015M	
Carbon Ranges C12-C28	452	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	110	10.0	"	"	"	"	"	"	
Total Hydrocarbons	581	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		97.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		105 %	70-130		"	"	"	"	
<b>T-3 0-1.5' (7B13001-06) Soil</b>									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB71405	02/14/07	02/16/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		102 %	70-130		"	"	"	"	

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax (432) 682-3946

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>T-1 0-1.0' (7B13001-01) Soil</b>									
Chloride	964	20 0	mg/kg	40	EB71402	02/14/07	02/14/07	EPA 300 0	
% Moisture	8.7	0 1	%	1	EB71410	02/14/07	02/14/07	% calculation	
<b>T-1 0-1.5' (7B13001-02) Soil</b>									
Chloride	608	10 0	mg/kg	20	EB71402	02/14/07	02/14/07	EPA 300 0	
% Moisture	4.4	0 1	%	1	EB71410	02/14/07	02/14/07	% calculation	
<b>T-2 0-1.0' (7B13001-03) Soil</b>									
Chloride	303	10 0	mg/kg	20	EB71402	02/14/07	02/14/07	EPA 300 0	
% Moisture	7.4	0 1	%	1	EB71410	02/14/07	02/14/07	% calculation	
<b>T-2 0-1.5' (7B13001-04) Soil</b>									
Chloride	621	10 0	mg/kg	20	EB71402	02/14/07	02/14/07	EPA 300 0	
% Moisture	10.1	0 1	%	1	EB71410	02/14/07	02/14/07	% calculation	
<b>T-3 0-1.0' (7B13001-05) Soil</b>									
Chloride	328	10 0	mg/kg	20	EB71402	02/14/07	02/14/07	EPA 300 0	
% Moisture	8.0	0 1	%	1	EB71410	02/14/07	02/14/07	% calculation	
<b>T-3 0-1.5' (7B13001-06) Soil</b>									
Chloride	664	10 0	mg/kg	20	EB71402	02/14/07	02/14/07	EPA 300 0	
% Moisture	15.8	0 1	%	1	EB71410	02/14/07	02/14/07	% calculation	

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project: Duke/ J-7 Line  
Project Number 2689  
Project Manager: Ike Tavaréz

Fax (432) 682-3946

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB71304 - EPA 5030C (GC)**

**Blank (EB71304-BLK1)**

Prepared 02/13/07 Analyzed 02/18/07

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate a,a,a-Trifluorotoluene	50.0		ug/kg	50.0		100	80-120			
Surrogate 4-Bromofluorobenzene	40.1		"	50.0		80.2	80-120			

**LCS (EB71304-BS1)**

Prepared 02/13/07 Analyzed 02/18/07

Benzene	0.0585	0.00100	mg/kg wet	0.0500		117	80-120			
Toluene	0.0513	0.00100	"	0.0500		103	80-120			
Ethylbenzene	0.0436	0.00100	"	0.0500		87.2	80-120			
Xylene (p/m)	0.0938	0.00100	"	0.100		93.8	80-120			
Xylene (o)	0.0409	0.00100	"	0.0500		81.8	80-120			
Surrogate a,a,a-Trifluorotoluene	46.1		ug/kg	50.0		92.2	80-120			
Surrogate 4-Bromofluorobenzene	40.7		"	50.0		81.4	80-120			

**Calibration Check (EB71304-CCV1)**

Prepared 02/13/07 Analyzed 02/14/07

Benzene	55.0		ug/kg	50.0		110	80-120			
Toluene	53.2		"	50.0		106	80-120			
Ethylbenzene	53.9		"	50.0		108	80-120			
Xylene (p/m)	105		"	100		105	80-120			
Xylene (o)	46.2		"	50.0		92.4	80-120			
Surrogate a,a,a-Trifluorotoluene	52.7		"	50.0		105	80-120			
Surrogate 4-Bromofluorobenzene	55.0		"	50.0		110	80-120			

**Matrix Spike (EB71304-MS1)**

Source: 7B09019-01

Prepared 02/13/07 Analyzed 02/14/07

Benzene	0.0881	0.00200	mg/kg dry	0.107	ND	82.3	80-120			
Toluene	0.0842	0.00200	"	0.107	ND	78.7	80-120			M8
Ethylbenzene	0.0771	0.00200	"	0.107	ND	72.1	80-120			M8
Xylene (p/m)	0.162	0.00200	"	0.215	ND	75.3	80-120			M8
Xylene (o)	0.0718	0.00200	"	0.107	ND	67.1	80-120			M8
Surrogate a,a,a-Trifluorotoluene	37.3		ug/kg	50.0		74.6	80-120			S-DUP
Surrogate 4-Bromofluorobenzene	36.5		"	50.0		73.0	80-120			S-DUP

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1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax (432) 682-3946

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB71304 - EPA 5030C (GC)**

**Matrix Spike Dup (EB71304-MSD1)**

Source: 7B09019-01

Prepared 02/13/07 Analyzed 02/14/07

Benzene	0.0866	0.00200	mg/kg dry	0.107	ND	80.9	80-120	1.72	20	
Toluene	0.0847	0.00200	"	0.107	ND	79.2	80-120	0.633	20	M8
Ethylbenzene	0.0802	0.00200	"	0.107	ND	75.0	80-120	3.94	20	M8
Xylene (p/m)	0.165	0.00200	"	0.215	ND	76.7	80-120	1.84	20	M8
Xylene (o)	0.0716	0.00200	"	0.107	ND	66.9	80-120	0.299	20	M8
Surrogate a,a,a-Trifluorotoluene	36.7		ug/kg	50.0		73.4	80-120			S-DUP
Surrogate 4-Bromofluorobenzene	33.3		"	50.0		66.6	80-120			S-DUP

**Batch EB71405 - Solvent Extraction (GC)**

**Blank (EB71405-BLK1)**

Prepared 02/14/07 Analyzed 02/16/07

Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate 1-Chlorooctane	40.4		mg/kg	50.0		80.8	70-130			
Surrogate 1-Chlorooctadecane	44.7		"	50.0		89.4	70-130			

**LCS (EB71405-BS1)**

Prepared 02/14/07 Analyzed 02/16/07

Carbon Ranges C6-C12	538	10.0	mg/kg wet	500		108	75-125			
Carbon Ranges C12-C28	509	10.0	"	500		102	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1050	10.0	"	1000		105	75-125			
Surrogate 1-Chlorooctane	50.0		mg/kg	50.0		100	70-130			
Surrogate 1-Chlorooctadecane	57.4		"	50.0		115	70-130			

**Calibration Check (EB71405-CCV1)**

Prepared 02/14/07 Analyzed 02/16/07

Carbon Ranges C6-C12	219		mg/kg	250		87.6	80-120			
Carbon Ranges C12-C28	266		"	250		106	80-120			
Total Hydrocarbons	485		"	500		97.0	80-120			
Surrogate 1-Chlorooctane	62.0		"	50.0		124	70-130			
Surrogate 1-Chlorooctadecane	55.2		"	50.0		110	70-130			

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax (432) 682-3946

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB71405 - Solvent Extraction (GC)**

Matrix Spike (EB71405-MS1)		Source: 7B13002-07		Prepared 02/14/07		Analyzed 02/16/07				
Carbon Ranges C6-C12	611	10.0	mg/kg dry	519	68.3	105	75-125			
Carbon Ranges C12-C28	1510	10.0	"	519	941	110	75-125			
Carbon Ranges C28-C35	78.1	10.0	"	0.00	100		75-125			
Total Hydrocarbons	2200	10.0	"	1040	1110	105	75-125			
Surrogate 1-Chlorooctane	48.7		mg/kg	50.0		97.4	70-130			
Surrogate 1-Chlorooctadecane	51.5		"	50.0		103	70-130			

Matrix Spike Dup (EB71405-MSD1)		Source: 7B13002-07		Prepared 02/14/07		Analyzed 02/16/07				
Carbon Ranges C6-C12	618	10.0	mg/kg dry	519	68.3	106	75-125	0.948	20	
Carbon Ranges C12-C28	1540	10.0	"	519	941	115	75-125	4.44	20	
Carbon Ranges C28-C35	86.3	10.0	"	0.00	100		75-125		20	
Total Hydrocarbons	2240	10.0	"	1040	1110	109	75-125	3.74	20	
Surrogate 1-Chlorooctane	50.7		mg/kg	50.0		101	70-130			
Surrogate 1-Chlorooctadecane	51.8		"	50.0		104	70-130			

**Batch EB71406 - Solvent Extraction (GC)**

Blank (EB71406-BLK1)				Prepared 02/14/07		Analyzed 02/15/07				
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate 1-Chlorooctane	39.7		mg/kg	50.0		79.4	70-130			
Surrogate 1-Chlorooctadecane	45.0		"	50.0		90.0	70-130			

LCS (EB71406-BS1)				Prepared 02/14/07		Analyzed 02/15/07				
Carbon Ranges C6-C12	507	10.0	mg/kg wet	500		101	75-125			
Carbon Ranges C12-C28	483	10.0	"	500		96.6	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	990	10.0	"	1000		99.0	75-125			
Surrogate 1-Chlorooctane	48.0		mg/kg	50.0		96.0	70-130			
Surrogate 1-Chlorooctadecane	52.8		"	50.0		106	70-130			

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax (432) 682-3946

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB71406 - Solvent Extraction (GC)**

**Calibration Check (EB71406-CCV1)**

Prepared 02/14/07 Analyzed 02/15/07

Carbon Ranges C6-C12	202		mg/kg	250		80.8	80-120			
Carbon Ranges C12-C28	248		"	250		99.2	80-120			
Total Hydrocarbons	451		"	500		90.2	80-120			
Surrogate 1-Chlorooctane	57.4		"	50.0		115	70-130			
Surrogate 1-Chlorooctadecane	53.5		"	50.0		107	70-130			

**Matrix Spike (EB71406-MS1)**

Source: 7B13006-13

Prepared 02/14/07 Analyzed 02/15/07

Carbon Ranges C6-C12	584	10.0	mg/kg dry	512	61.2	102	75-125			
Carbon Ranges C12-C28	1370	10.0	"	512	824	107	75-125			
Carbon Ranges C28-C35	33.8	10.0	"	0.00	52.1		75-125			
Total Hydrocarbons	1990	10.0	"	1020	937	103	75-125			
Surrogate 1-Chlorooctane	54.2		mg/kg	50.0		108	70-130			
Surrogate 1-Chlorooctadecane	60.2		"	50.0		120	70-130			

**Matrix Spike Dup (EB71406-MSD1)**

Source: 7B13006-13

Prepared 02/14/07 Analyzed 02/15/07

Carbon Ranges C6-C12	601	10.0	mg/kg dry	512	61.2	105	75-125	2.90	20	
Carbon Ranges C12-C28	1440	10.0	"	512	824	120	75-125	11.5	20	
Carbon Ranges C28-C35	41.2	10.0	"	0.00	52.1		75-125		20	
Total Hydrocarbons	2080	10.0	"	1020	937	112	75-125	8.37	20	
Surrogate 1-Chlorooctane	54.0		mg/kg	50.0		108	70-130			
Surrogate 1-Chlorooctadecane	60.2		"	50.0		120	70-130			

Environmental Lab of Texas

A Xenco Laboratories Company

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavaréz

Fax (432) 682-3946

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**

**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB71402 - General Preparation (WetChem)**

**Blank (EB71402-BLK1)** Prepared & Analyzed 02/14/07

Chloride	ND	0.500	mg/kg							
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**LCS (EB71402-BS1)** Prepared & Analyzed 02/14/07

Chloride	10.5	0.500	mg/kg	10.0		105	80-120			
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**Calibration Check (EB71402-CCV1)** Prepared & Analyzed 02/14/07

Chloride	9.40		mg/kg	10.0		94.0	80-120			
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**Duplicate (EB71402-DUP1)** Source: 7B12001-01 Prepared & Analyzed 02/14/07

Chloride	87.5	5.00	mg/kg		88.8			1.47	20	
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**Duplicate (EB71402-DUP2)** Source: 7B13001-04 Prepared & Analyzed 02/14/07

Chloride	632	10.0	mg/kg		621			1.76	20	
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**Matrix Spike (EB71402-MS1)** Source: 7B12001-01 Prepared & Analyzed 02/14/07

Chloride	268	5.00	mg/kg	100	88.8	179	80-120			QM-07
----------	-----	------	-------	-----	------	-----	--------	--	--	-------

**Matrix Spike (EB71402-MS2)** Source: 7B13001-04 Prepared & Analyzed 02/14/07

Chloride	830	10.0	mg/kg	200	621	104	80-120			
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**Batch EB71410 - General Preparation (Prep)**

**Blank (EB71410-BLK1)** Prepared & Analyzed 02/14/07

% Solids	100		%							
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**Duplicate (EB71410-DUP1)** Source: 7B13002-01 Prepared & Analyzed 02/14/07

% Solids	96.2		%		95.8			0.417	20	
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A Xenco Laboratories Company

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Highlander Environmental Corp  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavaréz

Fax (432) 682-3946

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch EB71410 - General Preparation (Prep)**

**Duplicate (EB71410-DUP2)**

Source: 7B13006-02

Prepared & Analyzed 02/14/07

% Solids	97.8		%		98.1			0.306	20	
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**Duplicate (EB71410-DUP3)**

Source: 7B13011-04

Prepared & Analyzed 02/14/07

% Solids	91.2		%		91.6			0.438	20	
----------	------	--	---	--	------	--	--	-------	----	--

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Highlander Environmental Corp.  
1910 N Big Spring St  
Midland TX, 79705

Project Duke/ J-7 Line  
Project Number 2689  
Project Manager Ike Tavarez

Fax: (432) 682-3946

### Notes and Definitions

S-DUP Duplicate analysis confirmed surrogate failure due to matrix effects

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD The batch was accepted based on acceptable LCS recovery

M8 The MS and/or MSD were below the acceptance limits See Blank Spike (LCS).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

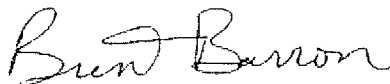
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

2/19/2007

Brent Barron, Laboratory Director/Corp. Technical Director  
Celey D. Keene, Org. Tech Director  
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer  
Jeanne Mc Murrey, Inorg. Tech Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

A Xenco Laboratories Company

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Page 11 of 11



# Environmental Lab of Texas

## Variance/ Corrective Action Report- Sample Log-In

Client: Highlander  
 Date/ Time: 2/13/07 9:30  
 Lab ID #: 113130  
 Initials: OK

### Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	Yes	No	35 ° C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by EL0T?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	<u>Yes</u>	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

### Variance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken:

- Check all that Apply:
- ☐ See attached e-mail/ fax
  - ☐ Client understands and would like to proceed with analysis
  - ☐ Cooling process had begun shortly after sampling event

## APPENDIX C



District I  
2511 French Dr., Hobbs, NM 88240  
District II  
301 W. Grand Avenue, Artesia, NM 88210  
District III  
000 Rio Brazos Road, Aztec, NM 87410  
District IV  
220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Duke Energy Field Services, LP	Contact	Ronnie Gilchrest/Lynn Ward
Address	10 Desta Dr. Suite 400-W, Midland, TX 79705	Telephone No.	505-390-6188/432-620-4207
Facility Name	J-7 Pipeline	Facility Type	Gathering Line
Surface Owner	Mineral Owner	Lease No.	

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	4	18S	35E					Lea

Latitude 32.77651 Longitude -103.46572

#### NATURE OF RELEASE

Type of Release: Natural Gas Liquids from a gathering line	Volume of Release: 20 bbl	Volume Recovered: 10 bbls
Source of Release: Low Pressure Natural Gas Gathering Line	Date and Hour of Occurrence: 7/13/2006 @ 3:15 pm MST	Date and Hour of Discovery: 7/13/2006 @ 3:15 pm MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Gary Wink, OCD Region 1, Hobbs, NM	
by Whom? Polo Rendon, DEFS Field Supervisor	Date and Hour: 7/13/2006 @ 4:25 pm MST	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\*  
NA

#### Describe Cause of Problem and Remedial Action Taken.\*

The J-7 is a 6" diameter steel pipeline. Internal/external corrosion caused a leak which was discovered on 7/13/06 by a Conoco Phillips field employee who contacted a Duke Energy Field Services field operator (Charlie Joslin) who contacted the appropriate field operator (Travis Bruce). The line was blocked in to stop the release. The line was then excavated, a section of pipe was replaced and the line placed back in service.

Duke Energy Field Services, LP has contacted Highlander Environmental Corp. out of Midland, TX to oversee the delineation and prepare a closure proposal for the release site. The depth to water is indicated in the Office of the State Engineers database (iWaters) as greater than 50 feet below ground surface but less than 100 feet below ground surface. Recommended remedial action levels will be determined based on analytical data from delineation of the site.

#### Describe Area Affected and Cleanup Action Taken.\*

The 6 inch section of pipeline has been replaced. A closure proposal will be prepared and submitted for approval.

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: <i>Lynn Ward</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <i>LYNN WARD</i>		Approved by District Supervisor:	
Title: <i>ENV. SPECIALIST</i>	Approval Date:	Expiration Date:	
E-mail Address: <i>lcward@duke-energy.com</i>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <i>7/24/06</i>	Phone: <i>932/620-4207</i>		

\* Attach Additional Sheets If Necessary

*Regional file 2.1.2.1*

## SITE INFORMATION

### Type of Report: Assessment & Closure Report

#### General Site Information:

Site:	J-7
Company:	DCP Midstream
Section, Township and Range	Section 4, T18S, R35 E
Unit Letter:	K
Lease Number:	-
County:	Lea
GPS:	32.77651°, 103.45672°
Surface Owner:	-
Mineral Owner:	-
Directions:	From the intersection of Highway 238 and Buckeye Road, go east 1.1 mile on Buckeye Rd. Turn south on lease road, go 2.0 miles south to spill area on lease road.

#### Release Data:

Date Released:	7/13/2006
Type Release:	Natural Gas Liquids
Source of Contamination:	Low pressure gathering pipeline
Fluid Released:	20 barrels
Fluids Recovered:	10 barrels

#### Official Communication:

Name:	Lynn Ward	Ike Tavarez
Company:	DCP Midstream	Highlander Environmental Corp.
Address:	10 Desta Dr. Suite 400-W	1910 N. Big Spring
P.O. Box		
City:	Midland Texas, 79705	Midland, Texas
Phone number:	(432) 620-4207	(432) 682- 4559
Fax:	(432) 620-4162	
Email:	lcward@dcpmidstream.com	itavarez@hec-enviro.com

#### Ranking Criteria

Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	Average Depth 58' BS
>100 ft.	0	
Wellhead Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200 ft.	20	None
Water Source >1,000 ft., Private >200 ft.	0	None
Surface Body of Water:	Ranking Score	Site Data
<200 ft.	20	None
200 ft - 1,000 ft.	10	None
>1,000 ft.	0	
<b>Total Ranking Score:</b>		<b>10</b>

#### Acceptable Soil RRAL (mg/kg)

Benzene	Total BTEX	TPH
10	50	1,000

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-14  
Revised October 10, 201

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

Name of Company: DCP Midstream	Contact: Lynn Ward
Address 10 Desta Dr., Suite 400-W, Midland TX 79705	Telephone No. (432) 620-4207
Facility Name J-7 Pipeline	Facility Type Gathering Line
Surface Owner	Mineral Owner
	Lease No.

#### LOCATION OF RELEASE

Unit Letter K	Section 4	Township 18S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------

Latitude 32.77651 Longitude -103.46572

WTR 40-60'

#### NATURE OF RELEASE

Type of Release Natural Gas Liquids	Volume of Release 20 barrels	Volume Recovered 10 barrels
Source of Release Low Pressure Natural Gas Gathering Line	Date and Hour of Occurrence 7/13/2006 @ 3:15 pm MST	Date and Hour of Discovery 7/13/2006 @ 3:15 pm MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Gary Wink, OCD Region 1, Hobbs, NM	
By Whom? Polo Rendon DEFS Field Supervisor	Date and Hour 7/13/2006 @ 4:25 pm MST	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* The J-7 is a 6" diameter steel pipeline. Internal/external corrosion caused a leak which was discovered on 7/13/06 by a Conoco Phillips field employee, who contacted a Duke Energy Field Services operator (Charlie Joslin), who contacted the appropriate field operator (Travis Bruce). The line was blocked in to stop the release. The line was then excavated, a section of pipe was replaced and the line placed back in service.  Duke Energy Field Services, LP contacted Highlander Environmental Corp. to oversee the delineation and prepare a closure proposal for the release site. The depth to groundwater is indicated in the Office of the State Engineers database as greater than 50' below ground surface, but less than 100' below ground surface.		
Describe Area Affected and Cleanup Action Taken.* The 6 inch section of pipeline has been replaced, and the impacted soils were worked.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: <i>Lynn Ward</i>	OIL CONSERVATION DIVISION	
Printed Name: Lynn Ward	Approved by District Supervisor: <i>[Signature]</i>	
Title: Environmental Specialist	Approval Date: 7-3-07	Expiration Date: —
E-mail Address: leward@dcpmidstream.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 5/14/07 6/15/07	Phone: 432-620-4207	

\* Attach Additional Sheets If Necessary