Highlander Environmental Corp.

Midland, Texas

June 14, 2007

RP#391

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

RE: Remedial Activities and Closure Report and for the DCP Midstream, L. P., J-4-2-9 Pipeline Spill, Located in the SW/4 of Section 30, Township 19 South, Range 35 East, Lea County, New Mexico.

Dear Mr. Johnson:

Highlander Environmental Corp. (Highlander) was contacted by DCP Midstream. L. P. (DCP) to assess and remediate a spill on the J-4-2-9 Pipeline located in the SW/4 of Section 30, Township 19 South, Range 35 East, Lea County, New Mexico (Site). The site coordinates are N 32° 37' 33.7", W 103° 30' 08.2". 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 was discovered on January 20, 2006, when a dresser sleeve separated on a low pressure gas gathering line. The line was immediately depressurized and repaired. The spill released 10 barrels of pipeline liquids, with 5 barrels recovered.

Groundwater and Regulatory

The New Mexico State Engineer's Office and the USGS database showed several wells located northeast of the Site in Township 19 South, Range 35 East, with depths to water ranging from 18' to 70'. According to the groundwater data, the closest well is located in Section 19, with a reported depth to groundwater of 67.78'. A well located in Section 25, Township 19 South, Range 34 East exhibited a depth to water at 28'.

The 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 Jane 16, 2006, Highlander personnel inspected the spill area and collected soil samples using a stainless steel, bucket type hand auger to evaluate the extent of subsurface impact at this site. A total of three (3) auger holes were installed along the pipeline to assess the impacted soils. The spill area and auger hole locations are shown on Figure 2. The auger holes were installed to a total depth of 3.5' to 4.0' below surface where a dense caliche formation was encountered. Deeper samples could not be collected due to the dense formation. Soil samples were collected placed into laboratory supplied containers and delivered to a laboratory under chain-of-custody control for TPH analysis by EPA method 8015 modified, BTEX by EPA method 8021B and chloride by EPA method 300.0. The sampling results are shown in Table 1. The laboratory reports and chain of custody are shown in Appendix B.

Referring to Table 1, the hydrocarbon impact appears to be shallow and limited around the area of the line. TPH in AH-1 declined with depth to 3.5' below surface and increased to 5,160 mg/kg at 4-4.5' below surface. In the area of AH-2, the samples from 0-1' and 1-1.5' exceeded the TPH RRAL and decreased with depth at 2.0' below the RRAL. AH-3 did not show any samples exceeding the RRAL. The majorities of the chloride concentrations were all below 250 mg/kg and showed minimal chloride impact. AH-2 had chloride concentration of 605 mg/kg at 0-1' which decrease with depth, until the top of the caliche layer where it increased to 578 mg/kg at 4-4.5' below surface.

Remedial Activities and Confirmation Sampling

From February 19 to 20, 2007, Highlander supervised the excavation of the spill areas. A total of 288 cubic yards of soil was excavated and hauled to disposal at Controlled Recovery, Inc. (CRI), located in Hobbs, New Mexico. The excavated areas are shown on Figure 3. The excavation immediately around the poly line measured approximately 6' x 80' at a depth of 5.0' to 5.5' below surface. The excavation surrounding the line measured approximately 40' x 100' at a depth of 1' to 3' below surface. Over-excavation and collection of confirmatory samples eliminated the need for deep boring of the location.

Confirmatory bottom hole samples were collected from the 6' x 80' x 5.0'-5.5' excavation immediately surrounding and beneath the pipeline. Additionally, confirmatory bottom hole samples were collected from the larger 40' x 100' x 1.0'-3.0' excavation surrounding the deeper excavation. Soil samples were analyzed for Total Petroleum Hydrocarbon (TPH) by method modified 8015 DRO/GRO and selected samples were also analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA method 8021B. All samples collected were preserved in laboratory prepared sample containers, shipped under proper chain-of-custody control, and analyzed within the standard holding times. The sample locations are shown on Figure 3. The sample results are shown in Table 2. The analytical

reports are shown in Appendix B. TPH and BTEX concentrations were all well below the RRAL.

Conclusions

The TPH and BTEX sampling of the excavation did not show any concentration exceeding the RRAL. Based upon the results of sampling and work performed on this Site, DCP Midstream requests closure of this spill issue. The site will be backfilled with clean backfill material. The State of New Mexico C-141 (Final) is shown in Appendix C.

If you have any questions or comments concerning the assessment or the activities performed at the Site, please call me at (432) 682-4559.

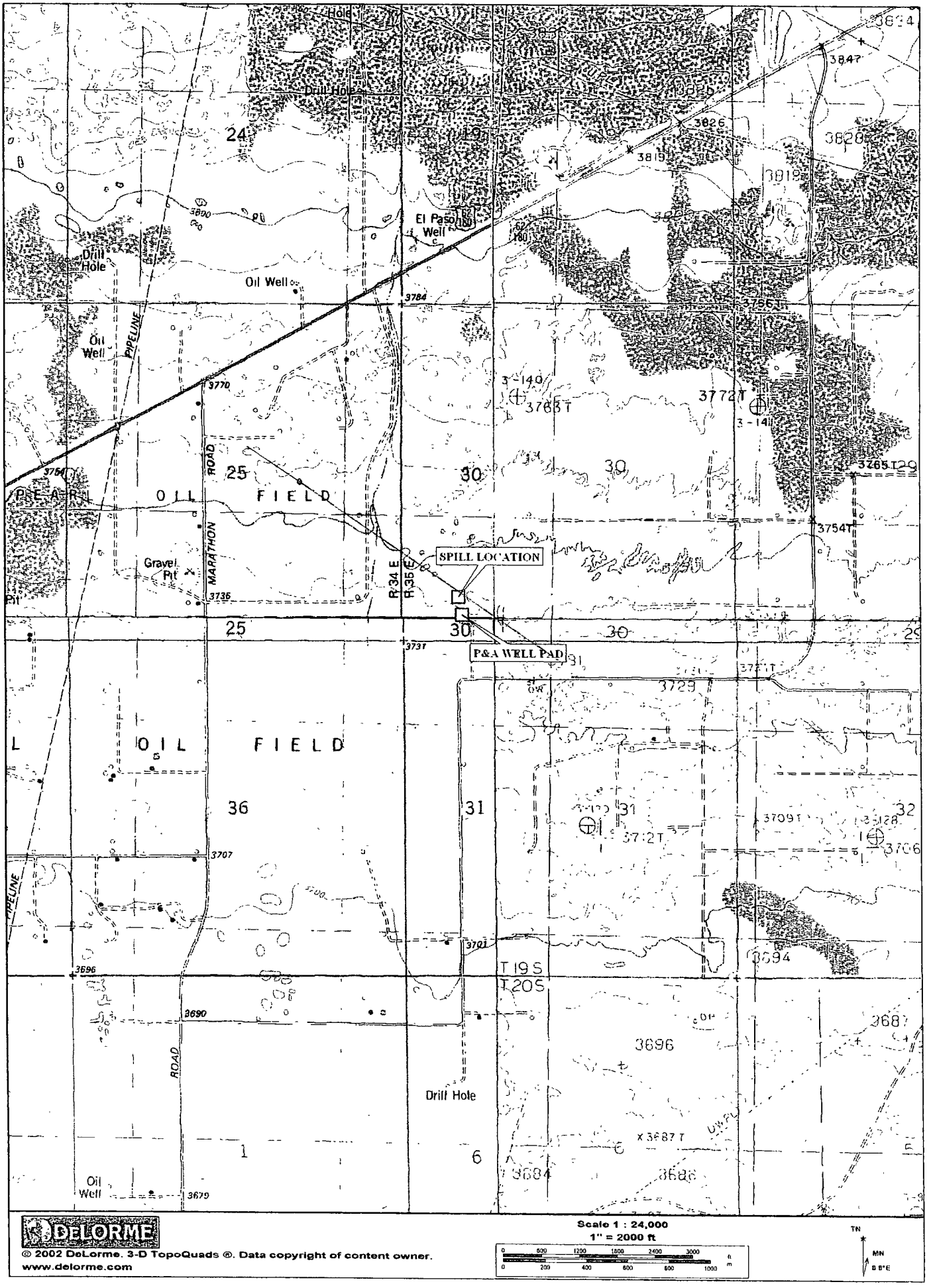
HIGHLANDER ENVIRONMENTAL CORP.

Ike Tavarez by

Ike Tavarez, P.G.
Project Manager/Senior Geologist

cc: Lynn Ward – DCP

FIGURES


SPILL LOCATION
P&A WELL PAD
PEARL OIL FIELD
OIL FIELD
MARATHON ROAD
PIPELINE
Drill Hole
Oil Well
El Paso Well
Gravel Pit
R.34 E.
R.35 E.
T 19 S
T 20 S
Scale 1 : 24,000
1" = 2000 ft
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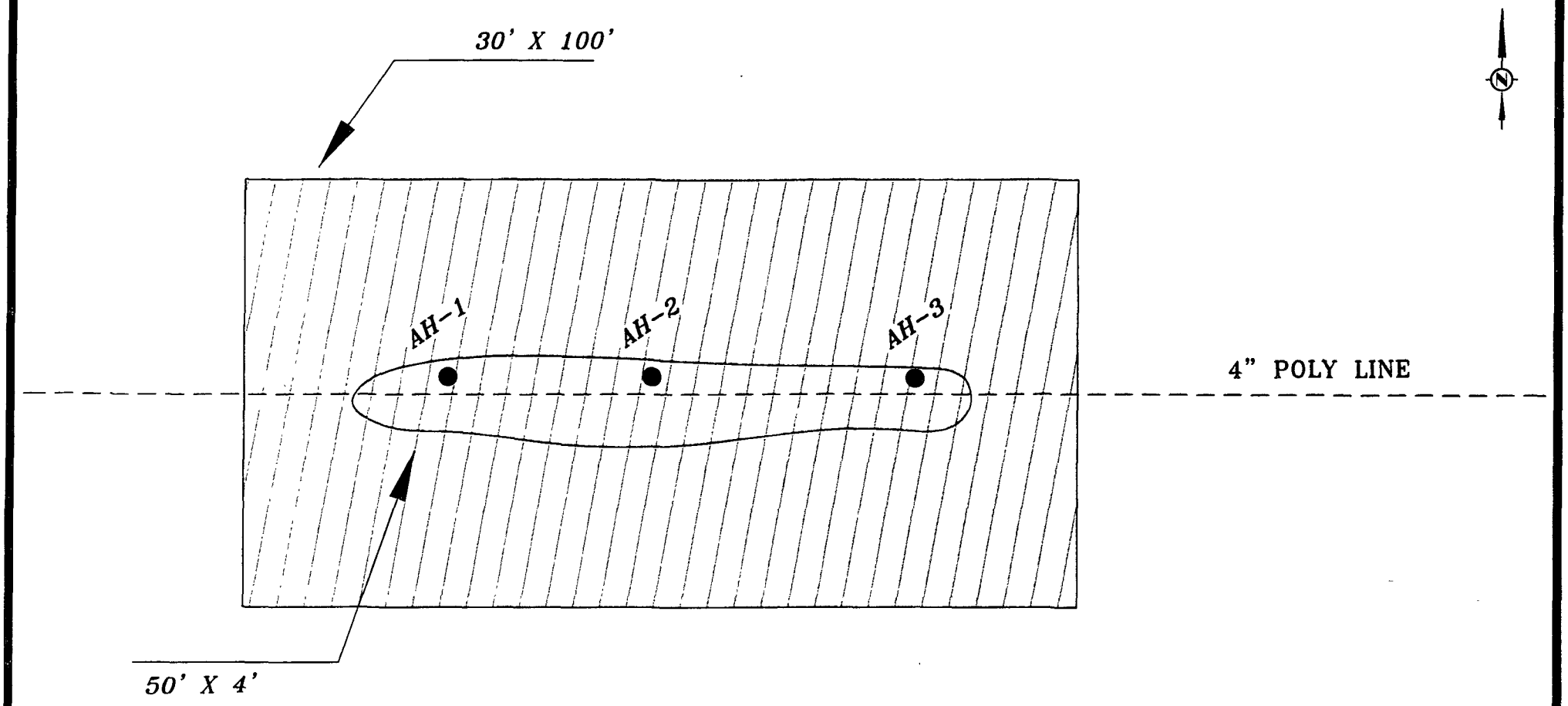


AUGER HOLES

IMPACTED AREA

NOT TO SCALE

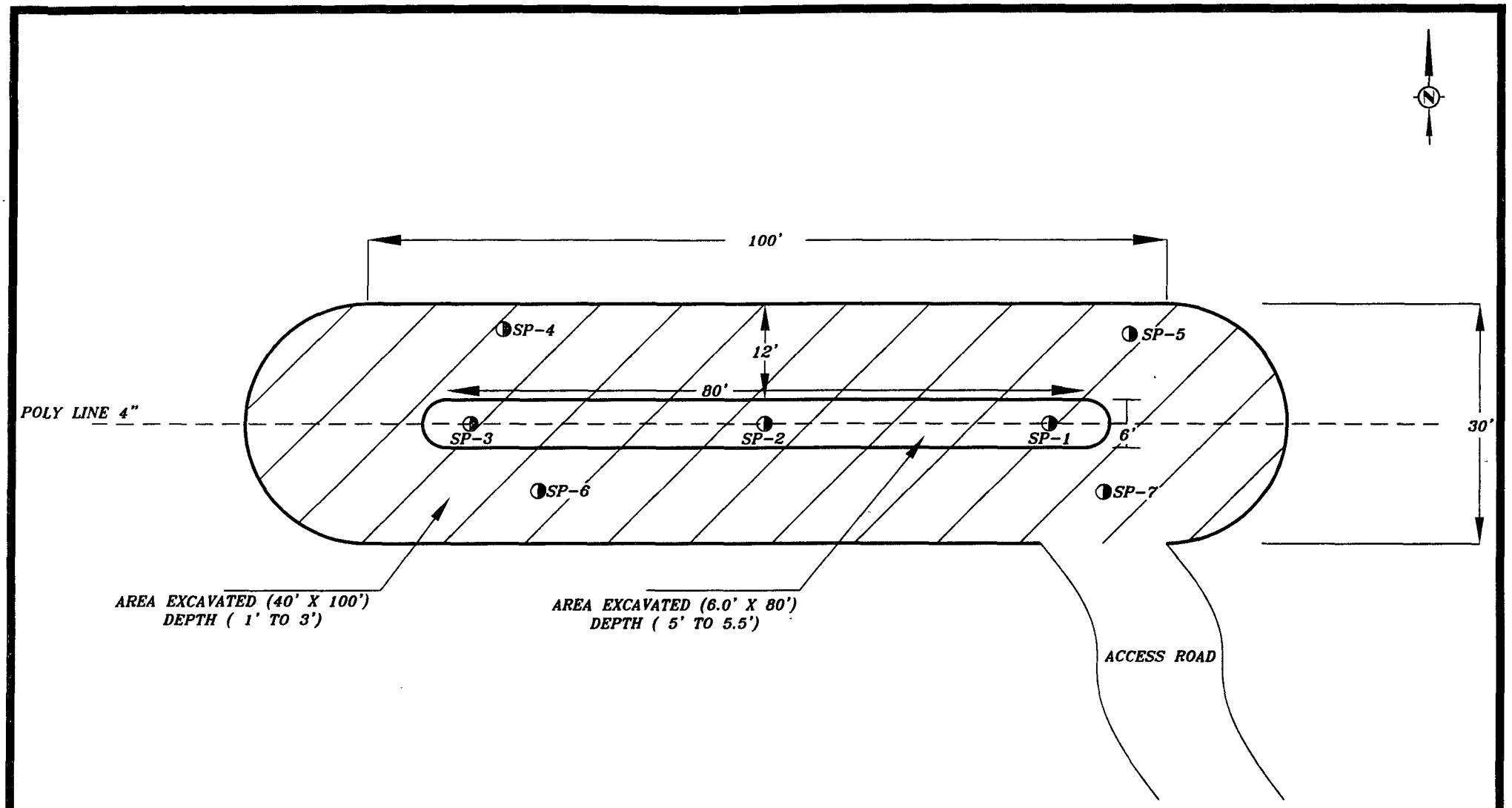
FIGURE NO. 2

LEA COUNTY, NEW MEXICO

DCP MIDSTREAM. L.P.
J-4-2-9

DATE: 3/27/06
DWN. BY: JJ
FILE: C:\DUKE\2574\J-4-2-9

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS



NOT TO SCALE

FIGURE NO. 3

LEA COUNTY, NEW MEXICO

DCP MIDSTREAM. L.P.
J-4-2-9

DATE: 5/14/07
DWN. BY. RC
FILE C:\DUKE\2574\J-4-2-9

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

TABLES

Table 1
DCP Midstream (Duke)
J-4-2-9 Line

Sample ID	Date Sampled	Sample Depth (ft)	TPH (mg/kg) C6-C12	C12-C28	C28-C35	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
AH-1	6/16/2006	0-1	2,060	6,190	512	**8,760**	-	-	-	-	-	126
	6/16/2006	1-1.5	4,670	10,900	845	**16,400**	0.481	8.07	6.18	28.34	43.07	54.9
	6/16/2006	2-2.5	180	961	79	**1,220**	-	-	-	-	-	18.4
	6/16/2006	3-3.5	10.8	157	<10.0	168	-	-	-	-	-	14.8
	6/16/2006	4-4.5	1,510	3,410	245	**5,160**	-	-	-	-	-	27.6
AH-2	6/16/2006	0-1	2,260	7,730	918	**10,900**	0.0676	2.05	3.26	16.04	21.14	605
	6/16/2006	1-1.5	343	1,480	124	**1,950**	-	-	-	-	-	14.7
	6/16/2006	2-2.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	16.8
	6/16/2006	3-3.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	42.9
	6/16/2006	4-4.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	578
AH-3	6/16/2006	0-1	<10.0	128	21.7	**150**	-	-	-	-	-	35.5
	6/16/2006	1-1.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	13.2
	6/16/2006	2-2.5	<10.0	157	<50	**157**	-	-	-	-	-	13.4
	6/16/2006	3-3.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	25.2

(-) not analyzed

Table 2
DCP Midstream (Duke)
J-4-2-9 Line

Sample ID	Date Sampled	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			C6-C12	C12-C28	C28-C35	Total						
#1	2/19/2007	5.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
#2	2/19/2007	5.5	<10.0	<10.0	<10.0	<10.0	<0.002	<0.002	<0.002	<0.002	<0.002	-
#3	2/19/2007	5.5	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
#4	2/19/2007	2.0	<10.0	29.1	<10.0	29.1	<0.002	<0.002	<0.002	<0.002	<0.002	-
#5	2/19/2007	2.0	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
#6	2/19/2007	2.0	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-
#7	2/19/2007	2.0	<10.0	<10.0	<10.0	<10.0	-	-	-	-	-	-

(-) not analyzed

APPENDIX A

Water Well Data
Average Depth to Groundwater (ft)
Duke J-4-2-9, Lea County, New Mexico

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	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 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

19 South 34 East

6 **244**	5	4	3	2 **100**	1
7	8	9 **28** **29**	10	11 **123**	12 **60**
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25 **28**
31 **65**	32	33	34	35	36

19 South 35 East

6 **61** **58**	5 **50** **63**	4 **70**	3	2	1 **63**
7 **51**	8 **18**	9 **20**	10 **19** **53**	11	12 **34**
18	17 **26** **30**	16	15 **26**	14 **27**	13 **27**
19 **67.78**	20	21	22 **23** **27**	23	24 **28** **20**
30 SITE	29	28	27	26	25 **22**
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

20 South 34 East

6	5	4 **125**	3	2	1
7	8	9	10	11	12
18	17 **140** **128**	16	15	14 **150**	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34 **82**	35	36

20 South 35 East

6 **56** **64**	5 **64**	4	3	2	1 **24**
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 **65**	32	33 **89**	34	35 **89**	36

20 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)

B	19	19S	35E	21110	LEA	SEO		1	19S.35E.19.21110	1971-01-27	67.78
F	22	19S	35E	14341	LEA	SEO		1	19S.35E.22.14341	1991-04-17	16.82
L	22	19S	35E	31	LEA	SEO		1	19S.35E.22.31		27.00
L	22	19S	35E	31	LEA	SEO		1	19S.35E.22.31		27.00
M	22	19S	35E	33	LEA	SEO		1	19S.35E.22.33		35.00
M	22	19S	35E	33	LEA	SEO		1	19S.35E.22.33		35.00
M	22	19S	35E	331	LEA	SEO		1	19S.35E.22.331		20.00
M	22	19S	35E	333	LEA	SEO		1	19S.35E.22.333		20.00
M	22	19S	35E	33423	LEA	SEO		1	19S.35E.22.33423	1954-07-28	23.53
M	22	19S	35E	334234	LEA	SEO		1	19S.35E.22.334234	1971-01-27	23.71
C	24	19S	35E	12111	LEA	SEO		1	19S.35E.24.12111	1981-06-04	28.21
A	24	19S	35E	222143	LEA	SEO		1	19S.35E.24.222143	1991-03-25	22.25
H	24	19S	35E	24131	LEA	SEO		1	19S.35E.24.24131	1976-02-04	17.39
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1961-02-28	17.58
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1966-02-09	18.60
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1976-02-04	18.69
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1981-01-23	19.14
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1986-02-05	19.00
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1991-03-25	19.29
I	24	19S	35E	422222	LEA	USGS	323828103240701	7	19S.35E.24.422222	1996-01-25	19.96
I	25	19S	35E	42442	LEA	SEO		1	19S.35E.25.42442	1953-11-16	22.45
O	25	19S	35E	434343	LEA	SEO		1	19S.35E.25.434343	1996-01-25	24.96
O	27	19S	35E	43241	LEA	SEO		1	19S.35E.27.43241	1971-01-27	21.94
B	35	19S	35E	211131	LEA	SEO		1	19S.35E.35.211131	1976-01-30	19.53
B	35	19S	35E	211131 A	LEA	SEO		1	19S.35E.35.211131 A	1996-03-01	26.50
H	01	19S	36E	24	LEA	SEO		1	19S.36E.01.24		47.00
H	01	19S	36E	24	LEA	SEO		1	19S.36E.01.24		47.00
J	01	19S	36E	41	LEA	SEO		1	19S.36E.01.41		40.00
J	01	19S	36E	41	LEA	SEO		1	19S.36E.01.41		40.00
M	02	19S	36E	33	LEA	SEO		1	19S.36E.02.33		60.00
M	02	19S	36E	33323	LEA	USGS	324049103194501	3	19S.36E.02.33323	1986-01-24	80.41
M	02	19S	36E	33323	LEA	USGS	324049103194501	3	19S.36E.02.33323	1991-04-24	90.03
M	02	19S	36E	33323	LEA	USGS	324049103194501	3	19S.36E.02.33323	1996-02-27	72.80
	03	19S	36E		LEA	SEO		1	19S.36E.03.		50.00
D	03	19S	36E	11	LEA	SEO		1	19S.36E.03.11		60.00
F	03	19S	36E	144434	LEA	SEO		1	19S.36E.03.144434	1991-04-18	82.90
L	03	19S	36E	3142	LEA	SEO		1	19S.36E.03.3142	1961-03-02	36.62

E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1966-02-08	24.35
E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1971-01-27	18.24
E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1976-01-29	17.80
E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1981-01-27	18.85
E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1986-02-04	19.01
E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1991-04-16	18.74
E	09	19S	35E	13333	LEA	USGS	324015103280801	9	19S.35E.09.13333	1996-03-20	19.45
O	10	19S	35E	433	LEA	SEO		1	19S.35E.10.433		53.00
O	10	19S	35E	433342	LEA	SEO		1	19S.35E.10.433342	1971-01-27	32.41
O	10	19S	35E	433343	LEA	SEO		1	19S.35E.10.433343	1981-01-23	31.73
O	11	19S	35E	433334	LEA	SEO		1	19S.35E.11.433334	1961-03-03	27.50
E	12	19S	35E	134142	LEA	SEO		1	19S.35E.12.134142	1996-02-29	28.33
P	12	19S	35E	44342	LEA	SEO		1	19S.35E.12.44342	1991-04-17	35.50
P	12	19S	35E	443420	LEA	SEO		1	19S.35E.12.443420	1976-02-12	30.17
B	13	19S	35E	211111	LEA	SEO		1	19S.35E.13.211111	1949-03-22	21.19
N	13	19S	35E	34334	LEA	SEO		1	19S.35E.13.34334	1996-03-20	36.61
J	13	19S	35E	41221	LEA	SEO		1	19S.35E.13.41221	1962-01-16	21.43
P	13	19S	35E	44	LEA	SEO		1	19S.35E.13.44		27.00
D	14	19S	35E	11	LEA	SEO		1	19S.35E.14.11		27.00
E	14	19S	35E	13421	LEA	SEO		1	19S.35E.14.13421	1996-03-20	31.68
B	15	19S	35E	21	LEA	SEO		1	19S.35E.15.21		40.00
M	15	19S	35E	33	LEA	SEO		1	19S.35E.15.33		28.00
M	15	19S	35E	33434	LEA	SEO		1	19S.35E.15.33434	1971-01-27	16.29
M	15	19S	35E	334424	LEA	SEO		1	19S.35E.15.334424	1996-01-25	14.60
N	15	19S	35E	34	LEA	SEO		1	19S.35E.15.34		18.00
N	15	19S	35E	34	LEA	SEO		1	19S.35E.15.34		18.00
E	16	19S	35E	13442	LEA	SEO		1	19S.35E.16.13442	1991-01-17	19.48
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1954-07-28	29.95
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1961-03-03	25.08
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1966-02-08	26.77
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1971-01-27	26.90
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1976-01-29	21.13
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1981-01-27	23.81
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1986-02-04	24.94
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1991-04-17	24.62
B	17	19S	35E	21131	LEA	USGS	323944103284001	9	19S.35E.17.21131	1996-01-25	26.04
N	17	19S	35E	34	LEA	SEO		1	19S.35E.17.34		30.00

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S 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 03/24/2006

							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	19S	35E	01				4	28	83	63
L	19S	35E	04				1	70	70	70
L	19S	35E	05				4	55	85	63
L	19S	35E	06				3	55	60	58
L	19S	35E	07				4	45	60	51
L	19S	35E	08				1	18	18	18
L	19S	35E	10				1	53	53	53
L	19S	35E	13				1	27	27	27
L	19S	35E	14				1	27	27	27
L	19S	35E	15				4	18	40	26
L	19S	35E	17				1	30	30	30
L	19S	35E	22				4	20	35	27

Record Count: 29

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 19S Range: 34E 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 03/24/2006

							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	19S	34E	25				1	28	28	28
L	19S	34E	02				1	100	100	100
L	19S	34E	11				1	123	123	123
L	19S	34E	12				2	60	60	60

Record Count: 5

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 20S 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 03/24/2006

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	20S	35E	05				2	64	64	64
L	20S	35E	06				2	64	64	64

Record Count: 4

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 20S Range: 34E 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 03/24/2006

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg
CP	20S	34E	24				1	270	270	270

Record Count: 1

Water Resources

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 = • 323828103240701

Save file of selected sites to local disk for future upload

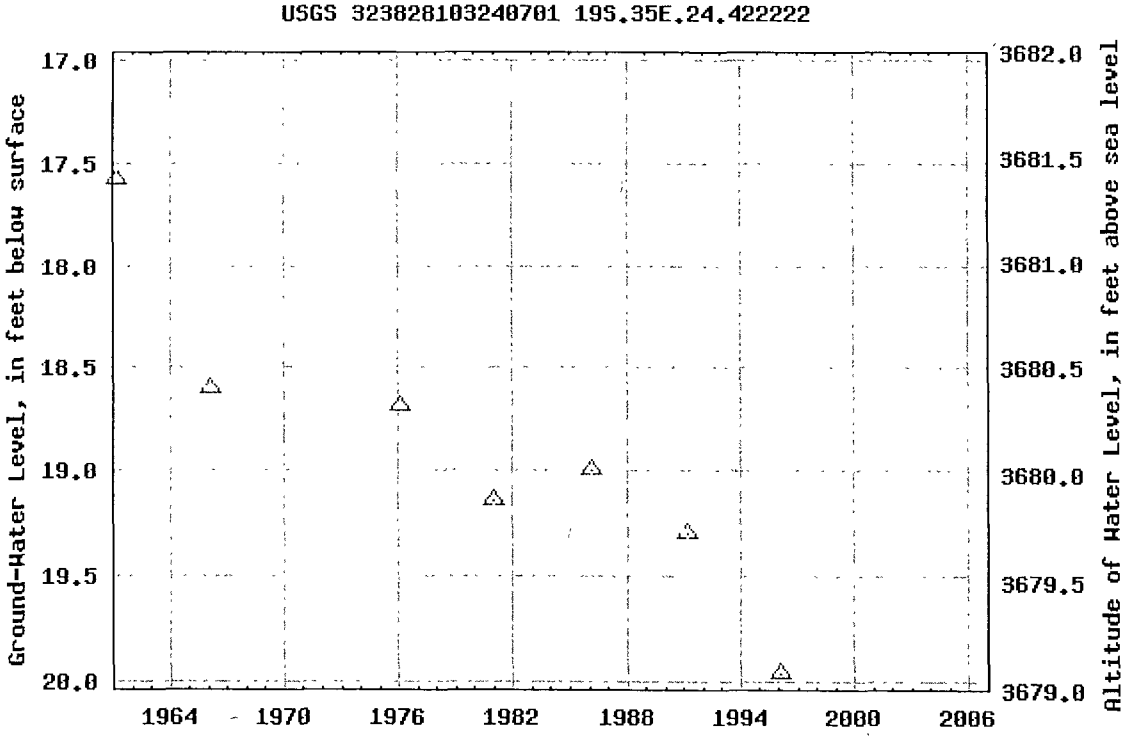
USGS 323828103240701 19S.35E.24.422222

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°38'28", Longitude 103°24'07" NAD27
Land-surface elevation 3,699.00 feet above sea level NGVD29
The depth of the well is 56 feet below land surface.
This well is completed in the ALLUVIUM,BOLSON DEPOSITS AND OTHER SURFACE DEPOSITS (110AVMB) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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1.88 1.86 nadww01

Water Resources

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 = • 323944103284001

Save file of selected sites to local disk for future upload

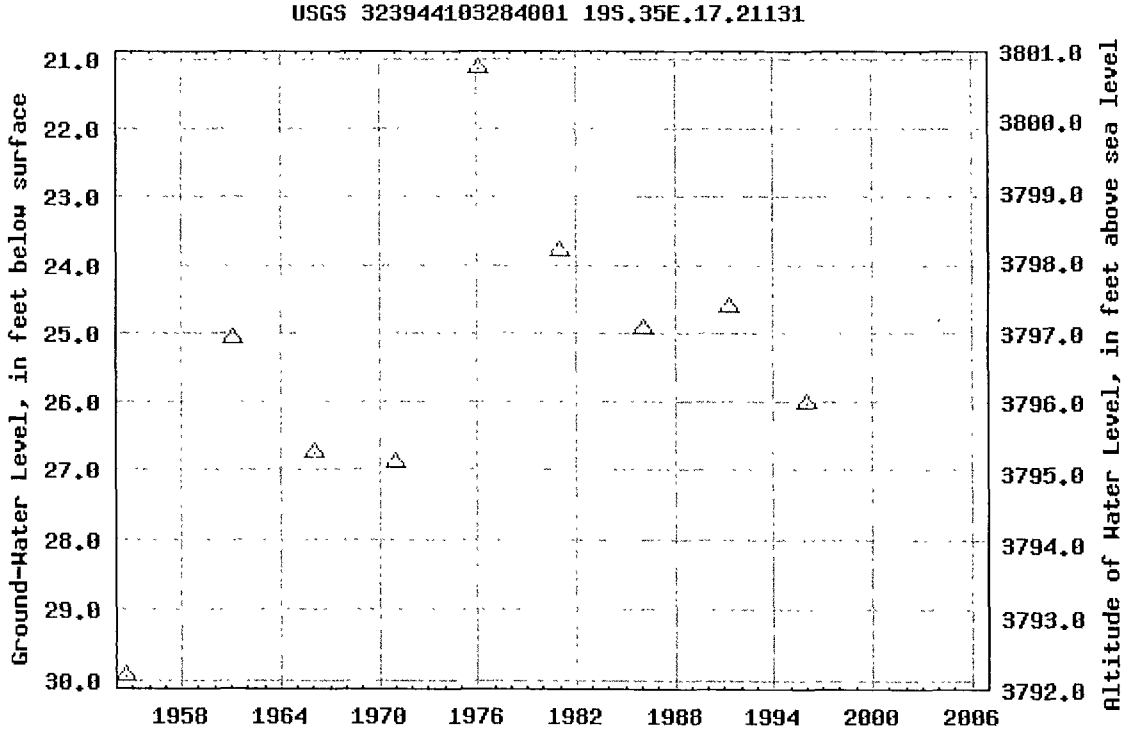
USGS 323944103284001 19S.35E.17.21131

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°39'44", Longitude 103°28'40" NAD27
Land-surface elevation 3,822.00 feet above sea level NGVD29
The depth of the well is 50 feet below land surface.
This well is completed in the ALLUVIUM,BOLSON DEPOSITS AND OTHER SURFACE DEPOSITS (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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1.94 1.95 nadww01

USGS

Water Resources

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 = • 324015103280801

Save file of selected sites to local disk for future upload

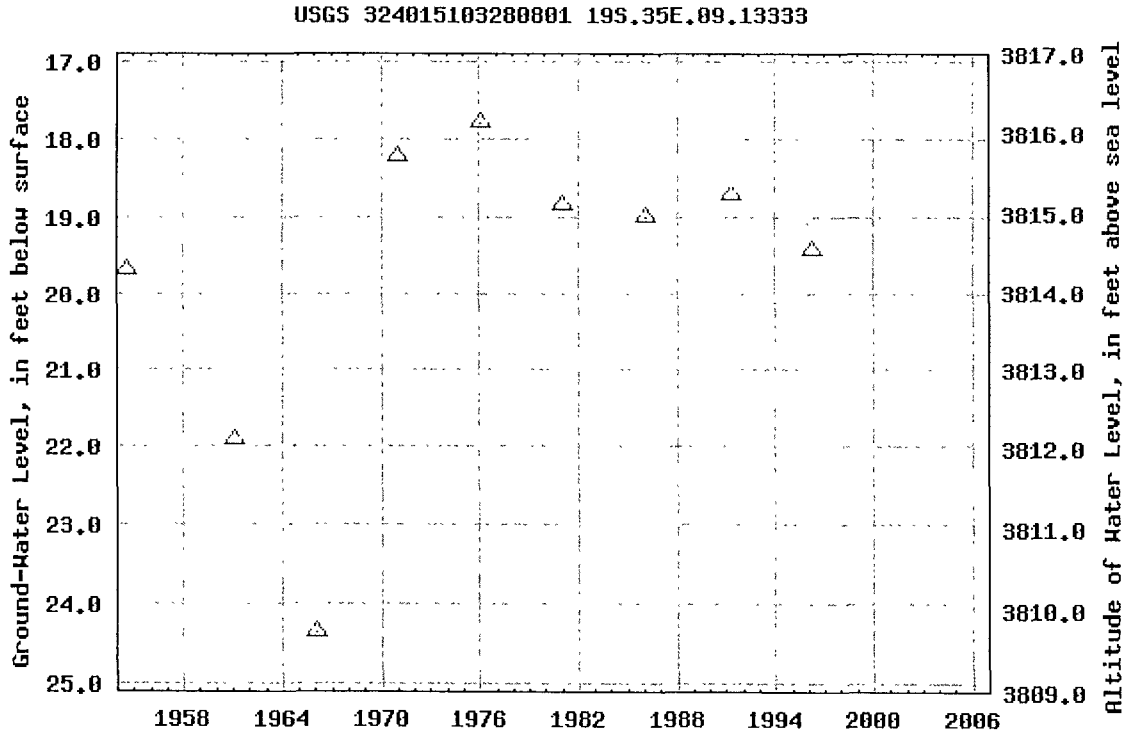
USGS 324015103280801 19S.35E.09.13333

Available data for this site Ground-water: Levels | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°40'15", Longitude 103°28'08" NAD27
Land-surface elevation 3,834.00 feet above sea level NGVD29
The depth of the well is 36 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



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1.94 1.91 nadww01

Water Resources

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 = • 324107103301101

Save file of selected sites to local disk for future upload

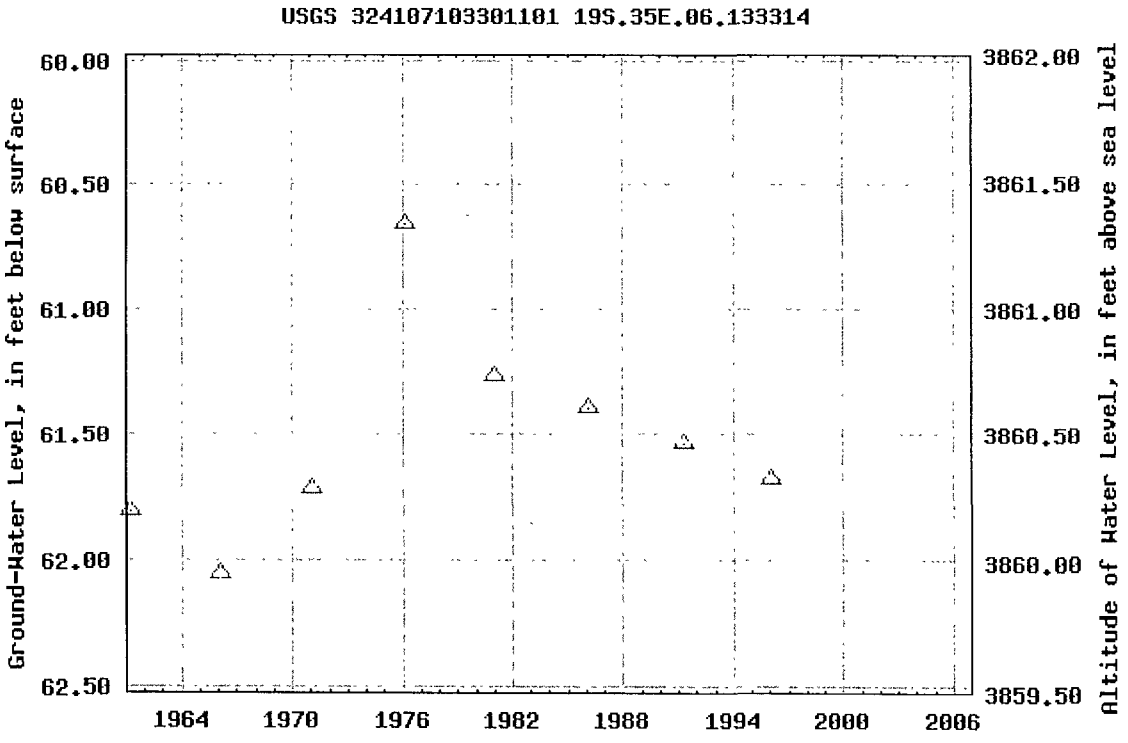
USGS 324107103301101 19S.35E.06.133314

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°41'07", Longitude 103°30'11" NAD27
Land-surface elevation 3,922.00 feet above sea level NGVD29
The depth of the well is 130 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



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1.92 1.9 nadww01

Water Resources

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 = • 324022103332601

Save file of selected sites to local disk for future upload

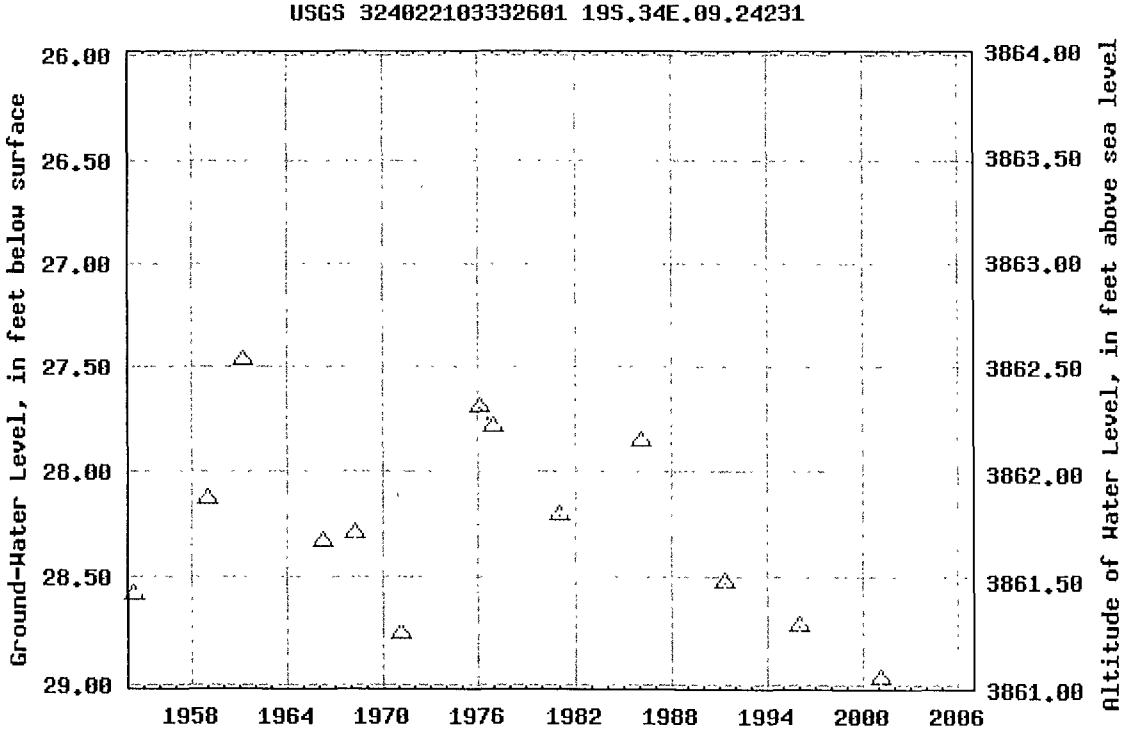
USGS 324022103332601 19S.34E.09.24231

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'22", Longitude 103°33'26" NAD27
Land-surface elevation 3,890.00 feet above sea level NGVD29
The depth of the well is 33 feet below land surface.
This well is completed in the ALLUVIUM,BOLSON DEPOSITS AND OTHER SURFACE DEPOSITS (110AVMB) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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1.88 1.87 nadww01

Water Resources

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 = • 324046103360401

Save file of selected sites to local disk for future upload

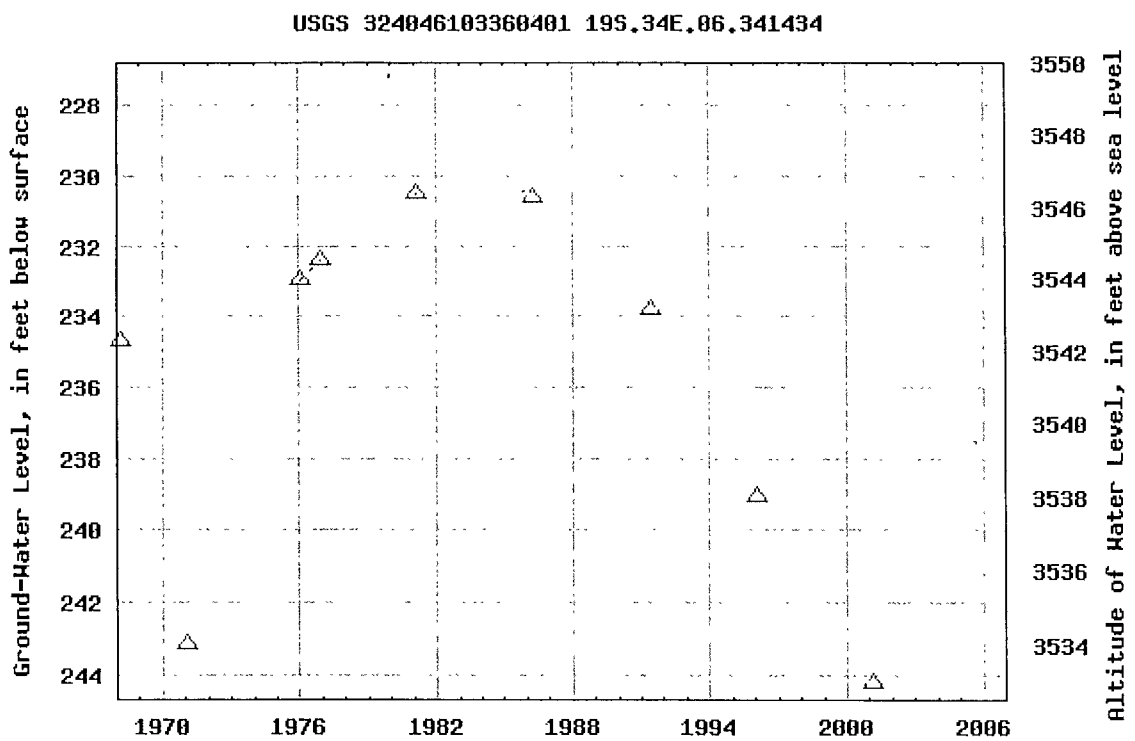
USGS 324046103360401 19S.34E.06.341434

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'46", Longitude 103°36'04" NAD27
Land-surface elevation 3,777.00 feet above sea level NGVD29
The depth of the well is 500 feet below land surface.
This well is completed in the SANTA ROSA SANDSTONE (231SNRS) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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1.99 1.89 nadww01

Water Resources

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 = • 323148103295801

Save file of selected sites to local disk for future upload

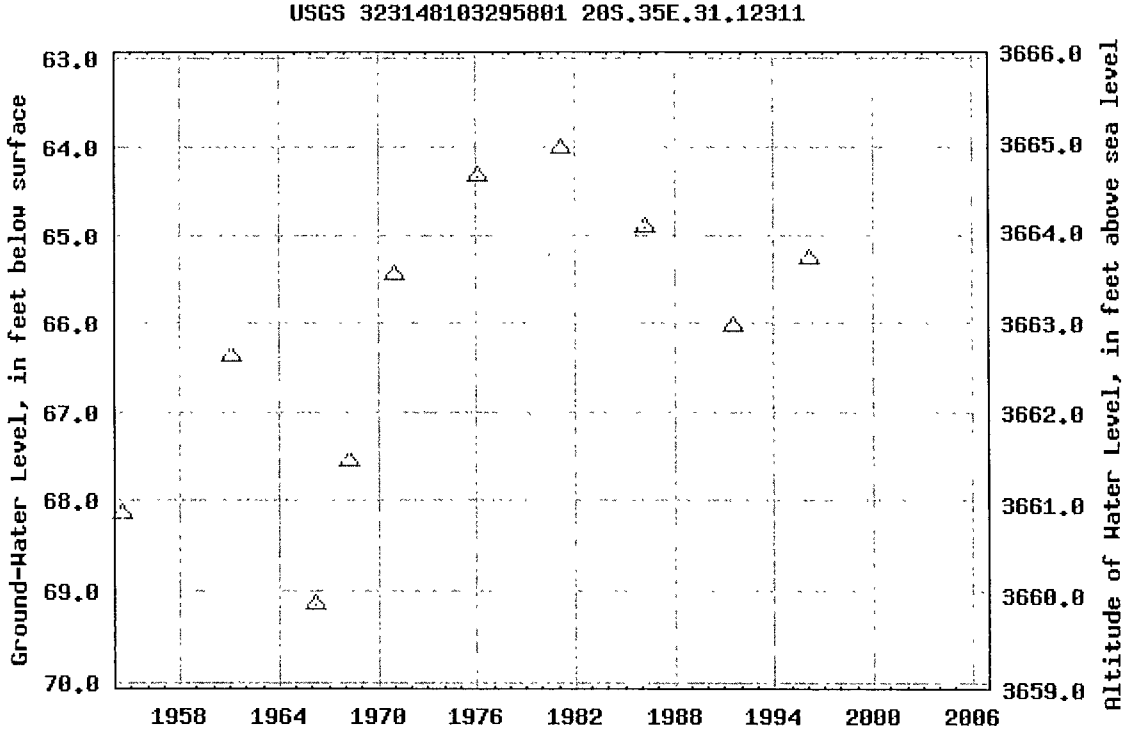
USGS 323148103295801 20S.35E.31.12311

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°31'48", Longitude 103°29'58" NAD27
Land-surface elevation 3,729.00 feet above sea level NGVD29
The depth of the well is 85 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



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1.97 1.88 nadww01

Water Resources

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 = • 323536103301101

Save file of selected sites to local disk for future upload

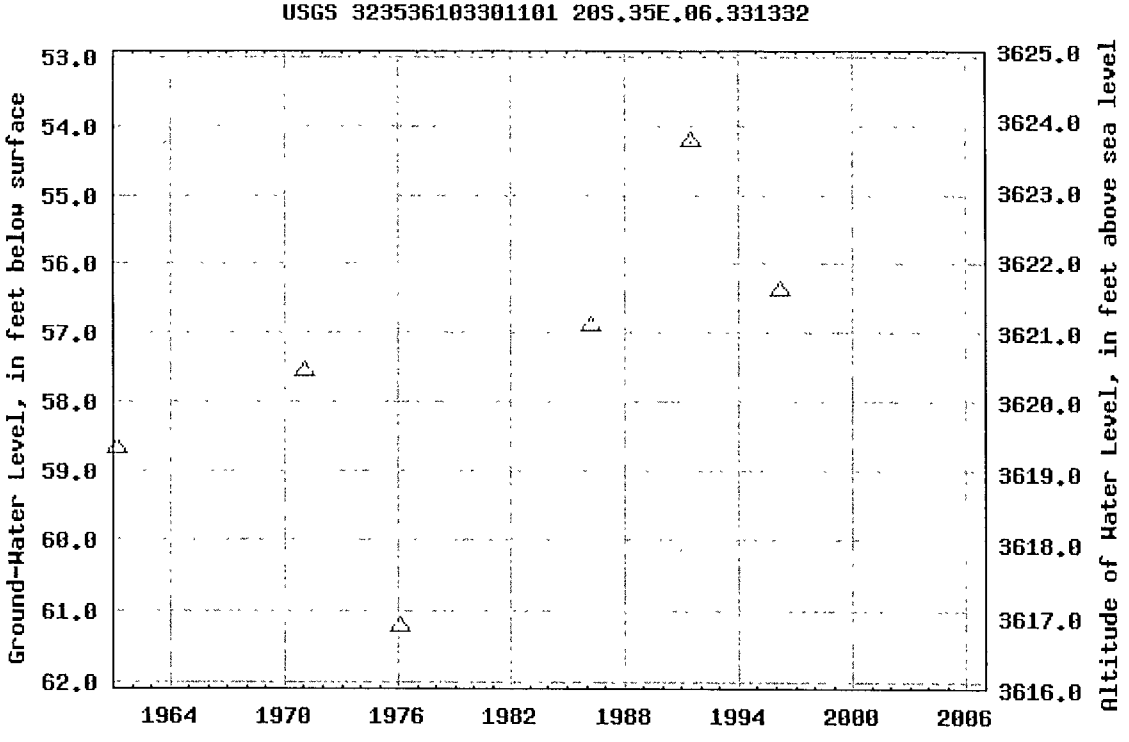
USGS 323536103301101 20S.35E.06.331332

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°35'36", Longitude 103°30'11" NAD27
Land-surface elevation 3,678.00 feet above sea level NGVD29
The depth of the well is 70 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



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1.89 1 88 nadww01

Water Resources

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 = • 323106103273401

Save file of selected sites to local disk for future upload

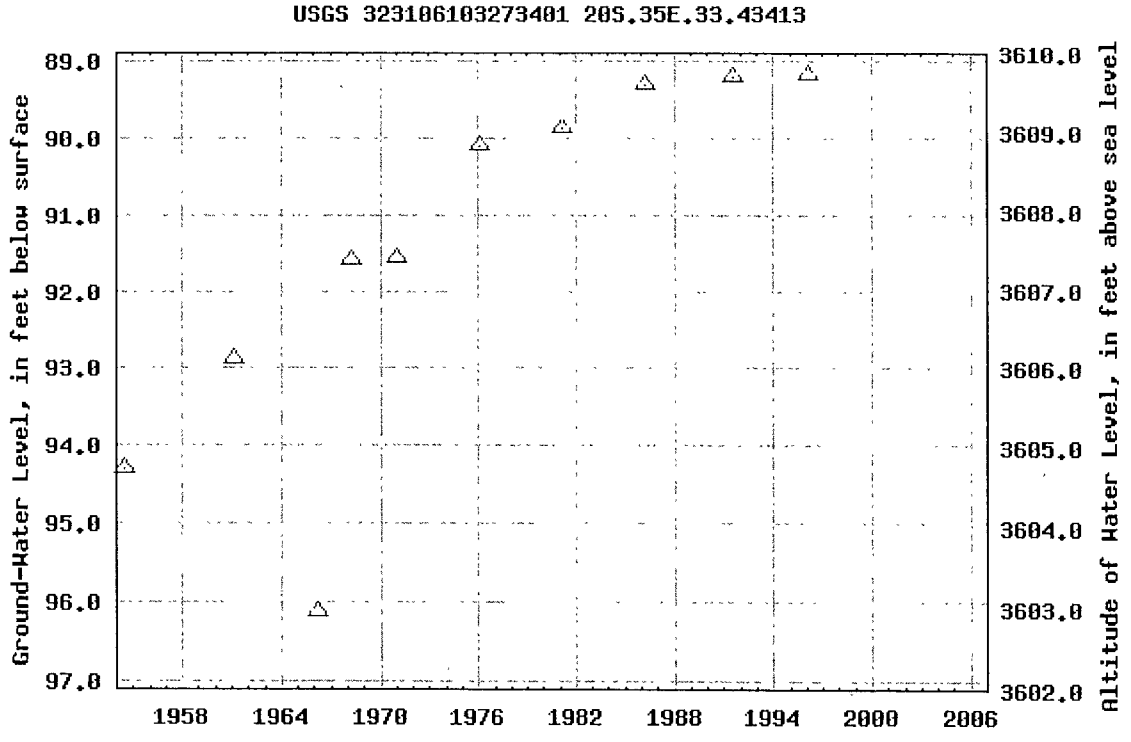
USGS 323106103273401 20S.35E.33.43413

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°31'06", Longitude 103°27'34" NAD27
Land-surface elevation 3,699.00 feet above sea level NGVD29
The depth of the well is 135 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



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1.87 1 85 nadww01

Water Resources

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 = • 323109103323801

Save file of selected sites to local disk for future upload

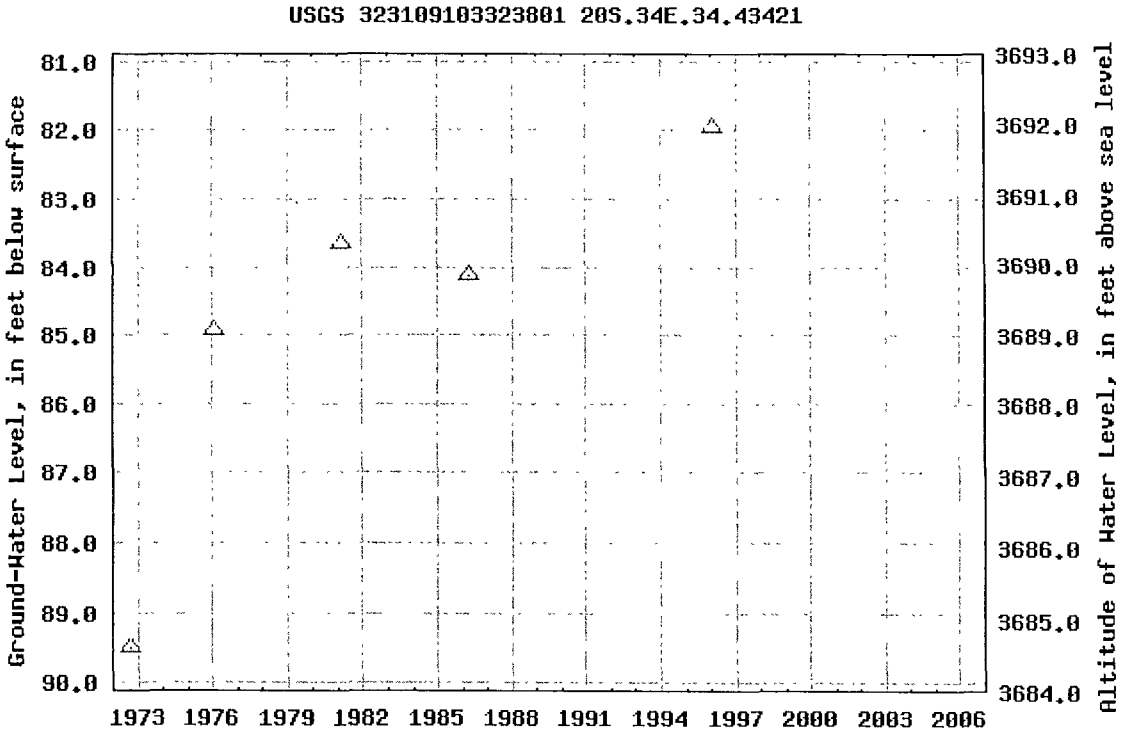
USGS 323109103323801 20S.34E.34.43421

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°31'09", Longitude 103°32'38" NAD27
Land-surface elevation 3,774.00 feet above sea level NGVD29
The depth of the well is 100 feet below land surface.
This well is completed in the ALLUVIUM,BOLSON DEPOSITS AND OTHER SURFACE DEPOSITS (110AVMB) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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1 86 1 87 nadww01

Water Resources

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 = • 323345103351101

Save file of selected sites to local disk for future upload

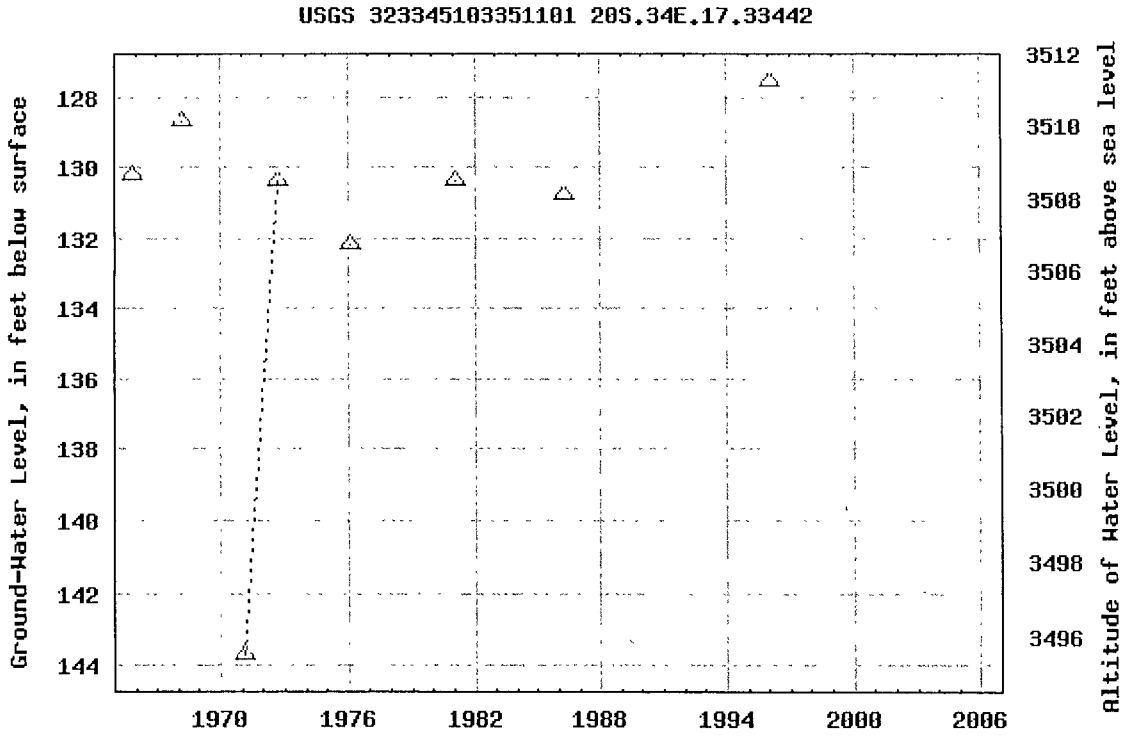
USGS 323345103351101 20S.34E.17.33442

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°33'45", Longitude 103°35'11" NAD27
Land-surface elevation 3,639.00 feet above sea level NGVD29
The depth of the well is 160 feet below land surface.
This well is completed in the CHINLE FORMATION (231CHNL) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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1.92 1.91 nadww01

Water Resources

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 = • 323409103321301

Save file of selected sites to local disk for future upload

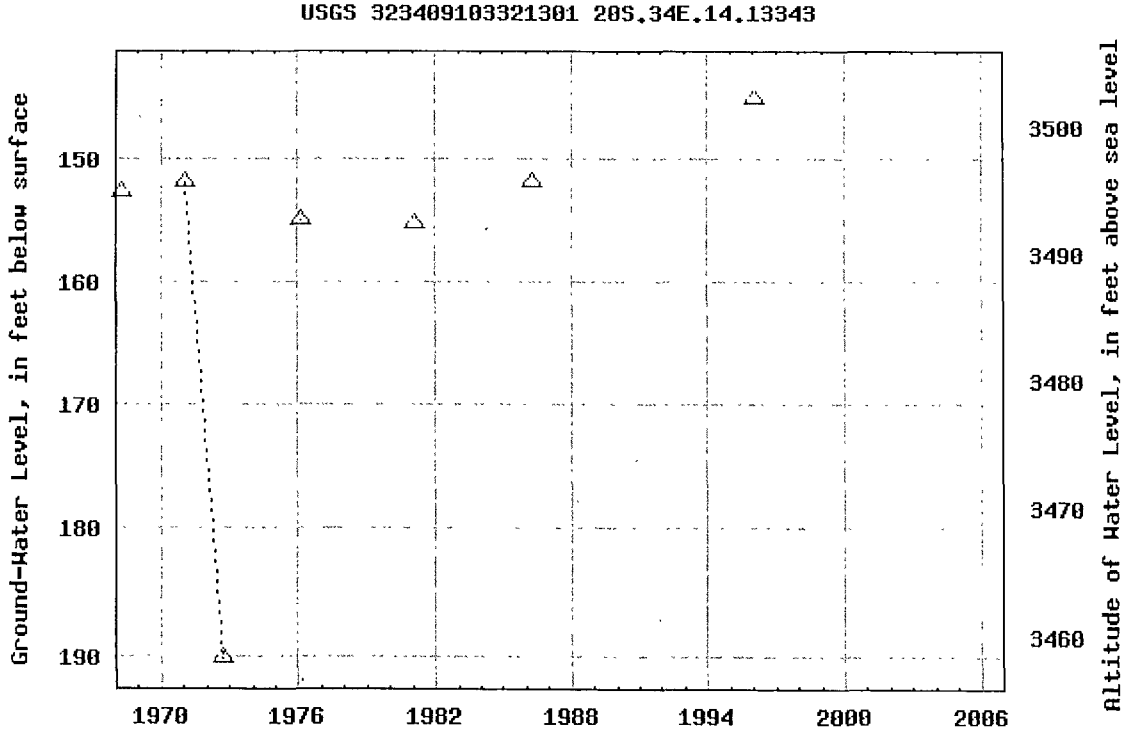
USGS 323409103321301 20S.34E.14.13343

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°34'09", Longitude 103°32'13" NAD27
Land-surface elevation 3,648.00 feet above sea level NGVD29
The depth of the well is 230 feet below land surface.
This well is completed in the CHINLE FORMATION (231CHNL) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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1.88 1.88 nadww01

Water Resources

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 = • 323529103332501

Save file of selected sites to local disk for future upload

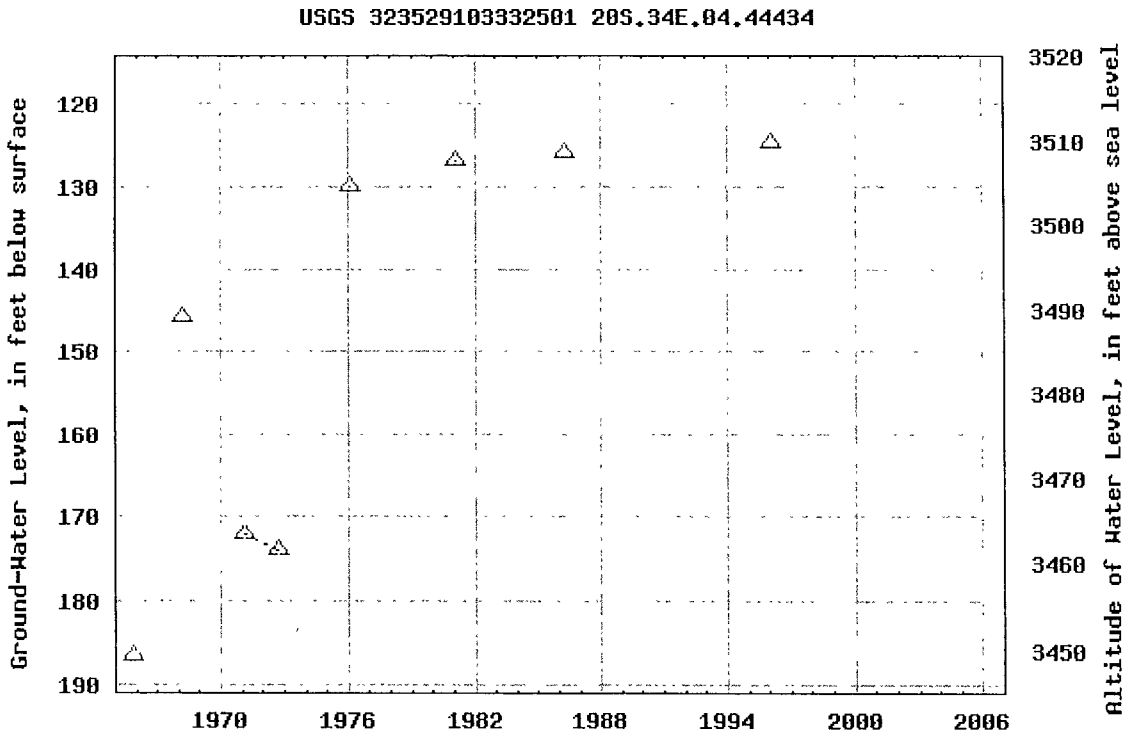
USGS 323529103332501 20S.34E.04.44434

Available data for this site Ground-water: Levels GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 32°35'29", Longitude 103°33'25" NAD27
Land-surface elevation 3,635.00 feet above sea level NGVD29
The depth of the well is 200 feet below land surface.
This well is completed in the CHINLE FORMATION (231CHNL) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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http://waterdata.usgs.gov/nm/nwis/gwlevels?

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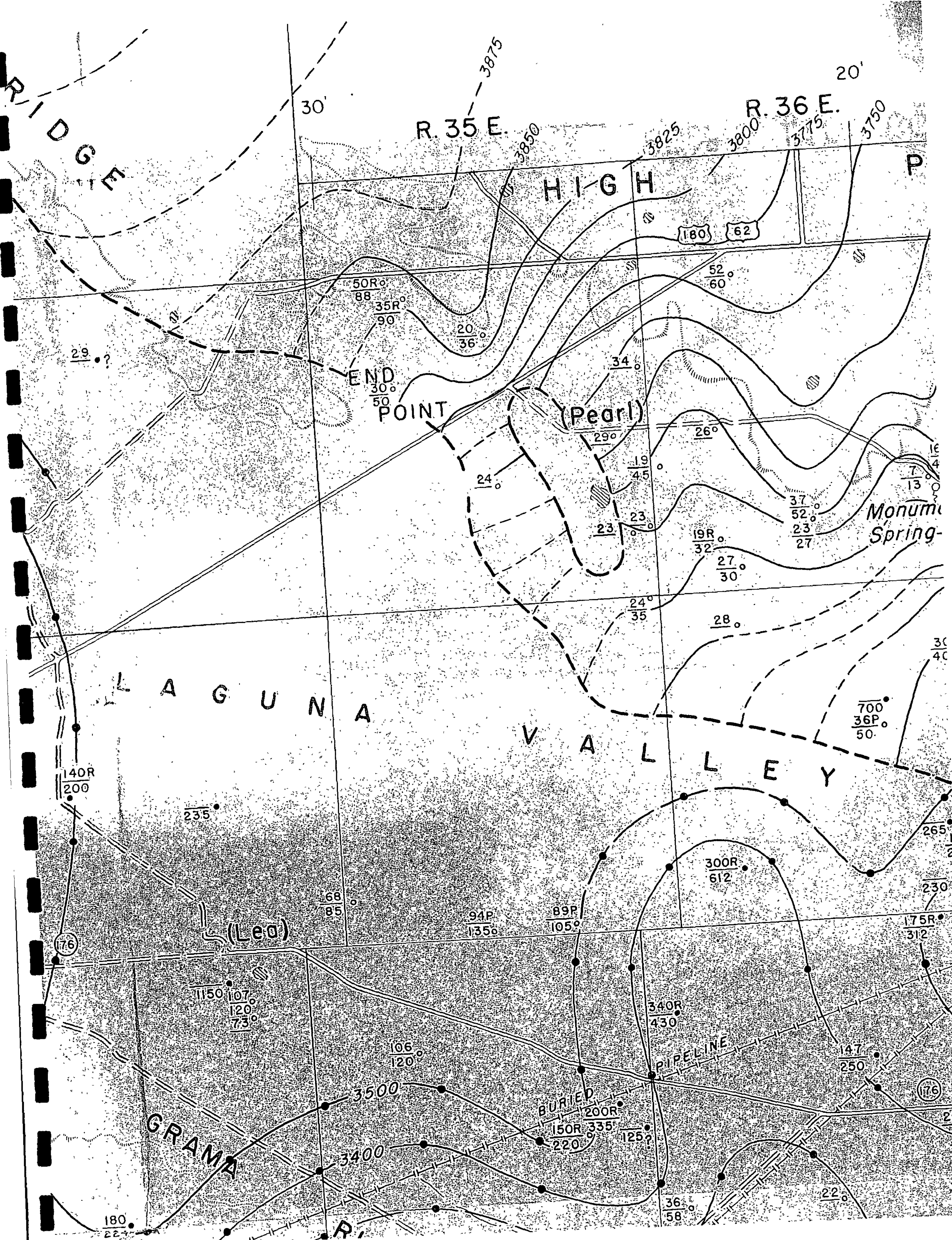
1.9 1.86 nadww01



RIDGE
30'
R. 35 E.
20'
R. 36 E.
3875
3850
3825
3800
3775
3750
HIGH
P
180
62
50R / 88
35R / 90
20 / 36
52 / 60
29 ?
34
END POINT
30 / 50
(Pearl)
29
26
19 / 45
24
23
23
37 / 52
23 / 27
7 / 13
Monument Spring
19R / 32
27 / 30
24 / 35
28
LAGUNA
VALLEY
700
36P / 50
140R / 200
235
300R / 612
265
230
68 / 85
94P / 135
89P / 105
175R / 312
(Lea)
176
1150
107 / 120 / 73
340R / 430
106 / 120
PIPELINE
147 / 250
176
3500
BURIED
200R
150R / 220
335
125?
3400
GRAMA
22
36 / 58
180

TABLE 6. RECORDS OF WELLS IN SOUTHERN LEA COUNTY, N. MEX. (continued)

Location No.	Owner	Aquifer	Depth of well (feet)	Altitude of well (feet)	Water level: Depth below land surface (feet)	Water level: Date measured	Year completed	Surface diameter of wells	Method of lift	Use of water	Remarks
17.32.4.442	W. Taylor	Qal	—	4,180	82.9	6- 3-54	—	6	N	N	—
11.231	MCRA	To	139	4,180	—	—	1947	7	Te	In,D	Well 4.
17.32.11.233	MCRA	To(?)	140	4,200	70	9-20-47	—	8	Li	In,D	Well 2. EY 9 gpm.
11.411	MCRA	To(?)	200	4,170	70	6-15-46	—	8	Te	In,D	Well 1. EY 90 gpm.
11 411a	MCRA	To(?)	130	—	70	9-23-47	—	8	Li	In,D	Well 3. EY 50 gpm.
17.33.13 341	Potash Co. of America	To	252M	4,124	149.7	11-20-53	1952	6	N	O	—
18.322	Kewanee Oil Co.	To	220	4,230	—	—	—	10¾	Te	In,D	Two wells. Chemical analysis in table 8.
26.422	Phillips Oil Co.	To	—	4,125	161.2	11-20-53	1950	8	N	In,O	—
28.110	—	To	241M	4,185	198.0	5-11-54	—	7	N	N	—
30.124	Walter Williams	Qal	—	4,045	70.0	7-29-54	—	7	Lw	S	PR
18.33.14 111	—	Qal	40M	3,965	35.8	6- 3-54	—	5	N	N	—
19.142	—	Tr(?)	—	3,820	>140	12- 9-58	—	4	Lw	S	—
34.133	—	Tr	200M	3,760	177.4	12- 9-58	—	8½	N	N	—
19 32.8.200	—	Tr	—	3,650	365.3	12- 9-58	—	7½	Lw	S	Chemical analysis in table 8.
36.100	W. M. Snyder	Tr	485	3,565	—	—	—	—	Li	D,S	—
19 33.5.213	—	Tr	—	3,710	>299	12- 9-58	—	—	Lw	S	—
26.244	Mark Smith	Qal	101	3,600	92.9	7- 1-54	—	—	Lw	D,S	MWP
19.34.9.114	Scharbauer Cattle Co.	Tr(?)	33	3,790	28.6	6- 3-54	—	6	Lw	S	Chemical analysis in table 8.
31.131	Clark Scharbauer	Qal	—	3,625	65.8	7- 1-54	—	6	Lw	S	MWP
19.35.5.121	Gene Dalmont	To	88	3,890	50	7-28-54	—	8	Ti	I	—
5.234	Jules Smith	To	90	3,860	35	—	—	—	Lw	D,S	—
10.113	N. T. Roberts	To	36	3,860	19.9	7-28-54	—	6	Lw	S	EY 5 gpm.
12.444	—	Qal	—	3,740	34.2	7-28-54	—	3 ft.	Lw	S	—
19.35.17.122	J. D. Roberts	Qal	50	3,835	29.9	7-28-54	—	3×3 ft.	Lw	D,S	Dug 0-30 feet; drilled 30-50 feet
22.334	—	Qal	—	3,740	23.5	7-28-54	—	8	Lw	N	—
24.121	—	Qal	—	3,735	28.6	11-16-53	—	6 ft.	N	N	—
25.424	—	Qal	—	3,675	22.6	11-16-53	—	—	N	N	Uncased shothole
25.434	—	Qal	—	3,660	22.8	11-16-53	—	6	Lw	S	—

19.36.5.233	Tom Green	To	60	3,815	52.3	7-28-54	—	—	Lw	D,S	—
19.313	—	Qal	44 6M	3,685	18.6	11-16-53	—	—	N	N	Uncased shothole.
20.111	Tom Green	Qal	—	3,695	25.7	7-28-54	—	—	Lw	S	EY 10 gpm. PR
25.123	—	To	43M	3,680	16.0	3-18-54	—	6	N	N	Northwest well of six. Chemical analysis in table 8.
19.36.26.224	J. E. Weir	Qal	12.7M	3,650	6.7	5- 7-54	—	4×5 ft.	N	N	At Monument Spring.
28.422	Mrs. Abi Hall	To	52M	3,720	36.6	3-18-54	—	7	N	N	—
28.441	do.	To	27M	3,680	22.7	3-18-54	—	6	N	N	—
32.110	S. P. Jordan	Qal	32	3,645	19	11-20-29	—	—	—	—	Chemical analysis in table 8.
32.324	—	Qal	30	3,630	27.2	7-28-54	—	4×4 ft.	Lw	N	—
19.37.4.110	V. Linam	To	29	3,680	21	9-19-29	—	—	—	—	Chemical analysis in table 8.
18.111	Amerada Oil Co.	To	134	3,705	35	9- -47	1947	10¾	Ti	D	Monument District Camp. WBZ 67-108 feet, 112-125 feet. EY 385 gpm.
18.331	EPNG	To	—	3,710	51.9	3-18-54	—	10	N	N	—
20.242	Humble Oil Co.	—	80	3,660	Dry	—	1937	—	N	N	Plugged and abandoned.
21.132	do.	To	67	3,635	—	—	1937	—	—	—	State "D" well 2. EY 30 gpm.
19.37.25.422	—	To	—	3,600	40	4- 6-54	—	—	Lw	S	—
29.333	—	Qal	—	3,595	13.3	7-28-54	—	7	Lw	D	MWP
29.344	Hobbs School district	Qal	30±	—	21.5	3-23-60	—	8	Te	P	—
29.344a	do.	Qal	30±	—	—	—	—	6	Te	P	Chemical analysis in table 8.
30.113	Continental Oil Co.	Qal	60	3,660	—	—	—	—	Te	D	Pumps dry in summer.
20.32.1.322	W. M. Snyder	Qal	30	3,510	21.8	7- 1-54	—	6	Li	S	Water not potable.
18.233	Freeport Sulfur Co.	Tr	400	3,450	89.2	3-24-54	1954	8	Li	In	WBZ 215-243 feet.
27.144	Joel Frey	Qal	25	3,545	12.3	6-11-54	—	—	Lw	N	—
30.142	—	Qal	—	3,530	9.9	6-11-54	—	8⅝	N	N	Located in sink.
36.214	Mrs. Bingham	Qal	60	3,588	46.6	6- 6-55	1950	7¼	Lw	D	West well of three.
20.33.15.221	—	Tr	—	3,570	336.1	4-20-55	—	4	Li	N	—
24.122	D. C. Berry	Tr	700±	3,630	300±	—	—	10	Lw	S	—
20.34.17.334	Mark Smith	Tr	200	3,635	140	7- 1-54	1940	10	Lw	S	MWP
22.223	D. C. Berry	Tr	235	3,655	—	—	—	10	Lw	S	—
20.35.1.221	J. L. Wood	Qal	35	3,655	24.5	11-16-53	—	4×4 ft.	N	O	—
31 113	Leo Sims	To	85	3,740	68.4	6-25-54	—	6	Lw	S	PR
33 433	do.	To	135	3,700	94.1	6-25-54	—	7	Lw	S	MWP
35 333	do.	To	105	3,690	88.9	4-15-54	—	—	Lw	D,S	MWP Southeast well of two.
20.36.1.412	Amerada Oil Co.	Qal	72M	3,565	33.1	3-30-54	—	7	N	N	—

APPENDIX B

06/29/06

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ J-4-2-9 Line Site #1

Project Number: 2574

Location: Lea County, NM

Lab Order Number: 6F20011

Report Date: 06/29/06

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

Project Duke/ J-4-2-9 Line Site #1
Project Number 2574
Project Manager. Ike Tavarez

Fax (432) 682-3946

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-1 0-1 0'	6F20011-01	Soil	06/16/06 00 00	06/20/06 15 15
AH-1 1 0'-1 5'	6F20011-02	Soil	06/16/06 00 00	06/20/06 15 15
AH-1 2 0'-2.5'	6F20011-03	Soil	06/16/06 00 00	06/20/06 15 15
AH-1 3 0'-3 5'	6F20011-04	Soil	06/16/06 00 00	06/20/06 15 15
AH-1 4 0'-4.5'	6F20011-05	Soil	06/16/06 00 00	06/20/06 15.15
AH-2 0-1 0'	6F20011-06	Soil	06/16/06 00 00	06/20/06 15 15
AH-2 1 0'-1 5'	6F20011-07	Soil	06/16/06 00 00	06/20/06 15 15
AH-2 2 0'-2 5'	6F20011-08	Soil	06/16/06 00 00	06/20/06 15 15
AH-2 3.0'-3.5'	6F20011-09	Soil	06/16/06 00 00	06/20/06 15 15
AH-2 4 0'-4 5'	6F20011-10	Soil	06/16/06 00 00	06/20/06 15 15
AH-3 0-1 0'	6F20011-11	Soil	06/16/06 00 00	06/20/06 15 15
AH-3 1 0'-1 5'	6F20011-12	Soil	06/16/06 00 00	06/20/06 15 15
AH-3 2 0'-2 5'	6F20011-13	Soil	06/16/06 00 00	06/20/06 15 15
AH-3 3 5'-4 0'	6F20011-14	Soil	06/16/06 00 00	06/20/06 15 15

Highlander Environmental Corp	Project Duke/ J-4-2-9 Line Site #1	Fax (432) 682-3946
1910 N Big Spring St	Project Number 2574	
Midland TX, 79705	Project Manager Ike Tavarez	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AH-1 0-1.0' (6F20011-01) Soil									
Carbon Ranges C6-C12	**2060**	20.0	mg/kg dry	2	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**6190**	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**512**	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**8760**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*51.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*47.6 %*	*70-130*		"	"	"	"	*S-06*
AH-1 1.0'-1.5' (6F20011-02) Soil									
Benzene	**0.481**	0.100	mg/kg dry	100	EF62813	06/28/06	06/28/06	EPA 8021B	
Toluene	**8.07**	0.100	"	"	"	"	"	"	
Ethylbenzene	**6.18**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**20.4**	0.100	"	"	"	"	"	"	
Xylene (o)	**7.94**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*164 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*228 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**4670**	20.0	mg/kg dry	2	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**10900**	20.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**845**	20.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**16400**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.6 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*70.4 %*	*70-130*		"	"	"	"	*S-06*
AH-1 2.0'-2.5' (6F20011-03) Soil									
Carbon Ranges C6-C12	**180**	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**961**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**79.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**1220**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	

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Highlander Environmental Corp
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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AH-1 3.0'-3.5' (6F20011-04) Soil									
Carbon Ranges C6-C12	**10.8**	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**157**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**J [9.50]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	**168**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*73.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	
AH-1 4.0'-4.5' (6F20011-05) Soil									
Carbon Ranges C6-C12	**1510**	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**3410**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**245**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**5160**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.8 %*	*70-130*		"	"	"	"	
AH-2 0-1.0' (6F20011-06) Soil									
Benzene	**0.0676**	0.0250	mg/kg dry	25	EF62813	06/28/06	06/29/06	EPA 8021B	
Toluene	**2.05**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**3.26**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**11.1**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.94**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*150 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*260 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**2260**	50.0	mg/kg dry	5	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**7730**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**918**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**10900**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*12.6 %*	*70-130*		"	"	"	"	*S-06*

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AH-2 1.0'-1.5' (6F20011-07) Soil									
Carbon Ranges C6-C12	**343**	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	**1480**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**124**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**1950**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*72.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*76.6 %*	*70-130*		"	"	"	"	
AH-2 2.0'-2.5' (6F20011-08) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*70.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	
AH-2 3.0'-3.5' (6F20011-09) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.2 %*	*70-130*		"	"	"	"	
AH-2 4.0'-4.5' (6F20011-10) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AH-3 0-1.0' (6F20011-11) Soil									
Carbon Ranges C6-C12	**J [5.66]**	10.0	mg/kg dry	1	EF62113	06/21/06	06/22/06	EPA 8015M	J
Carbon Ranges C12-C28	**128**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**21.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**150**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.0 %*	*70-130*		"	"	"	"	
AH-3 1.0'-1.5' (6F20011-12) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62114	06/21/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*73.0 %*	*70-130*		"	"	"	"	
AH-3 2.0'-2.5' (6F20011-13) Soil									
Carbon Ranges C6-C12	ND	50.0	mg/kg dry	5	EF62114	06/21/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	**157**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**J [37.2]**	50.0	"	"	"	"	"	"	J
Total Hydrocarbon nC6-nC35	**157**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*12.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*11.7 %*	*70-130*		"	"	"	"	*S-06*
AH-3 3.5'-4.0' (6F20011-14) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62114	06/21/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	

Highlander Environmental Corp	Project Duke/ J-4-2-9 Line Site #1	Fax (432) 682-3946
1910 N Big Spring St	Project Number 2574	
Midland TX, 79705	Project Manager Ike Tavarez	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AH-1 0-1.0' (6F20011-01) Soil									
Chloride	**126**	5 00	mg/kg	10	EF62124	06/21/06	06/21/06	EPA 300 0	
% Moisture	**1.4**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-1 1.0'-1.5' (6F20011-02) Soil									
Chloride	**54.9**	5 00	mg/kg	10	EF62124	06/21/06	06/21/06	EPA 300 0	
% Moisture	**1.5**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-1 2.0'-2.5' (6F20011-03) Soil									
Chloride	**18.4**	5 00	mg/kg	10	EF62124	06/21/06	06/21/06	EPA 300 0	
% Moisture	**0.6**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-1 3.0'-3.5' (6F20011-04) Soil									
Chloride	**14.8**	5 00	mg/kg	10	EF62124	06/21/06	06/21/06	EPA 300 0	
% Moisture	**2.1**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-1 4.0'-4.5' (6F20011-05) Soil									
Chloride	**27.6**	5 00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300 0	
% Moisture	**4.2**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-2 0-1.0' (6F20011-06) Soil									
Chloride	**605**	10 0	mg/kg	20	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**1.2**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-2 1.0'-1.5' (6F20011-07) Soil									
Chloride	**14.7**	5 00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300 0	
% Moisture	**0.5**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-2 2.0'-2.5' (6F20011-08) Soil									
Chloride	**16.8**	5 00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300 0	
% Moisture	**1.2**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	

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Highlander Environmental Corp	Project Duke/ J-4-2-9 Line Site #1	Fax (432) 682-3946
1910 N Big Spring St	Project Number 2574	
Midland TX, 79705	Project Manager Ike Tavarez	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AH-2 3.0'-3.5' (6F20011-09) Soil									
Chloride	**42.9**	5.00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**1.8**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-2 4.0'-4.5' (6F20011-10) Soil									
Chloride	**578**	10.0	mg/kg	20	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**8.4**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-3 0-1.0' (6F20011-11) Soil									
Chloride	**35.5**	5.00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**0.3**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-3 1.0'-1.5' (6F20011-12) Soil									
Chloride	**13.2**	5.00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**0.2**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-3 2.0'-2.5' (6F20011-13) Soil									
Chloride	**13.4**	5.00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**1.4**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
AH-3 3.5'-4.0' (6F20011-14) Soil									
Chloride	**25.2**	5.00	mg/kg	10	EF62323	06/23/06	06/23/06	EPA 300.0	
% Moisture	**6.7**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	

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

Project: Duke/ J-4-2-9 Line Site #1
Project Number: 2574
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
Batch EF62113 - Solvent Extraction (GC)										
Blank (EF62113-BLK1)				Prepared 06/21/06 Analyzed 06/22/06						
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 Hydrocarbon nC6-nC35	ND	10 0	"							
Surrogate: 1-Chlorooctane	*38 3*		*mg/kg*	*50 0*		*76 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*37 2*		"	*50 0*		*74.4*	*70-130*			
LCS (EF62113-BS1)				Prepared: 06/21/06 Analyzed 06/22/06						
Carbon Ranges C6-C12	499	10.0	mg/kg wet	500		99.8	75-125			
Carbon Ranges C12-C28	492	10 0	"	500		98 4	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbon nC6-nC35	992	10 0	"	1000		99 2	75-125			
Surrogate 1-Chlorooctane	*44 9*		*mg/kg*	*50 0*		*89 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*37 6*		"	*50 0*		*75 2*	*70-130*			
Calibration Check (EF62113-CCV1)				Prepared 06/21/06 Analyzed 06/22/06						
Carbon Ranges C6-C12	235		mg/kg	250		94 0	80-120			
Carbon Ranges C12-C28	276		"	250		110	80-120			
Total Hydrocarbon nC6-nC35	511		"	500		102	80-120			
Surrogate 1-Chlorooctane	*45 5*		"	*50 0*		*91.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40 8*		"	*50 0*		*81 6*	*70-130*			
Matrix Spike (EF62113-MS1)	**Source: 6F20008-01**			Prepared 06/21/06 Analyzed: 06/22/06						
Carbon Ranges C6-C12	555	10 0	mg/kg dry	556	ND	99.8	75-125			
Carbon Ranges C12-C28	533	10 0	"	556	ND	95 9	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbon nC6-nC35	1090	10 0	"	1110	ND	98.2	75-125			
Surrogate 1-Chlorooctane	*38 8*		*mg/kg*	*50 0*		*77 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*37 7*		"	*50 0*		*75 4*	*70-130*			

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

Project: Duke/ J-4-2-9 Line Site #1
Project Number: 2574
Project Manager: Ike Tavarez

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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
Batch EF62113 - Solvent Extraction (GC)										
Matrix Spike Dup (EF62113-MSD1)	**Source: 6F20008-01**			Prepared 06/21/06 Analyzed 06/22/06						
Carbon Ranges C6-C12	550	10.0	mg/kg dry	556	ND	98.9	75-125	0.905	20	
Carbon Ranges C12-C28	541	10.0	"	556	ND	97.3	75-125	1.49	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1090	10.0	"	1110	ND	98.2	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*40.6*		*mg/kg*	*50.0*		*81.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.5*		*"*	*50.0*		*73.0*	*70-130*			
Batch EF62114 - Solvent Extraction (GC)										
Blank (EF62114-BLK1)				Prepared 06/21/06 Analyzed 06/23/06						
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 Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*37.1*		*mg/kg*	*50.0*		*74.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.4*		*"*	*50.0*		*72.8*	*70-130*			
LCS (EF62114-BS1)				Prepared 06/21/06 Analyzed 06/23/06						
Carbon Ranges C6-C12	497	10.0	mg/kg wet	500		99.4	75-125			
Carbon Ranges C12-C28	479	10.0	"	500		95.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	976	10.0	"	1000		97.6	75-125			
Surrogate: 1-Chlorooctane	*42.3*		*mg/kg*	*50.0*		*84.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			
Calibration Check (EF62114-CCV1)				Prepared 06/21/06 Analyzed 06/23/06						
Carbon Ranges C6-C12	258		mg/kg	250		103	80-120			
Carbon Ranges C12-C28	288		"	250		115	80-120			
Total Hydrocarbon nC6-nC35	546		"	500		109	80-120			
Surrogate: 1-Chlorooctane	*49.8*		*"*	*50.0*		*99.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.7*		*"*	*50.0*		*87.4*	*70-130*			

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

Project: Duke/ J-4-2-9 Line Site #1
Project Number: 2574
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
Batch EF62114 - Solvent Extraction (GC)										
Matrix Spike (EF62114-MS1)	**Source: 6F20011-12**			Prepared 06/21/06 Analyzed. 06/23/06						
Carbon Ranges C6-C12	448	10.0	mg/kg dry	501	ND	89 4	75-125			
Carbon Ranges C12-C28	450	10 0	"	501	ND	89 8	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbon nC6-nC35	898	10.0	"	1000	ND	89 8	75-125			
Surrogate 1-Chlorooctane	*36.5*		*mg/kg*	*50.0*		*73 0*	*70-130*			
Surrogate 1-Chlorooctadecane	*38 8*		*"*	*50 0*		*77 6*	*70-130*			
Matrix Spike Dup (EF62114-MSD1)	**Source: 6F20011-12**			Prepared 06/21/06 Analyzed 06/23/06						
Carbon Ranges C6-C12	464	10 0	mg/kg dry	501	ND	92 6	75-125	3 51	20	
Carbon Ranges C12-C28	485	10 0	"	501	ND	96 8	75-125	7 49	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	949	10 0	"	1000	ND	94 9	75-125	5 52	20	
Surrogate 1-Chlorooctane	*39 9*		*mg/kg*	*50 0*		*79 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*36 5*		*"*	*50.0*		*73 0*	*70-130*			
Batch EF62813 - EPA 5030C (GC)										
Blank (EF62813-BLK1)				Prepared & Analyzed: 06/28/06						
Benzene	ND	0 0250	mg/kg wet							
Toluene	ND	0 0250	"							
Ethylbenzene	ND	0 0250	"							
Xylene (p/m)	ND	0 0250	"							
Xylene (o)	ND	0 0250	"							
Surrogate a,a,a-Trifluorotoluene	*41 8*		*ug kg*	*40 0*		*104*	*80-120*			
Surrogate 4-Bromofluorobenzene	*38 8*		*"*	*40 0*		*97 0*	*80-120*			
LCS (EF62813-BS1)				Prepared & Analyzed 06/28/06						
Benzene	1 44	0.0250	mg/kg wet	1 25		115	80-120			
Toluene	1 40	0 0250	"	1.25		112	80-120			
Ethylbenzene	1 25	0 0250	"	1 25		100	80-120			
Xylene (p/m)	2 83	0 0250	"	2 50		113	80-120			
Xylene (o)	1 36	0 0250	"	1.25		109	80-120			
Surrogate a,a,a-Trifluorotoluene	*41 0*		*ug/kg*	*40 0*		*102*	*80-120*			
Surrogate 4-Bromofluorobenzene	*38 9*		*"*	*40 0*		*97 2*	*80-120*			

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

Project: Duke/ J-4-2-9 Line Site #1
Project Number: 2574
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
Batch EF62813 - EPA 5030C (GC)										
Calibration Check (EF62813-CCV1)				Prepared & Analyzed: 06/28/06						
Benzene	54 7		ug/kg	50.0		109	80-120			
Toluene	57.8		"	50 0		116	80-120			
Ethylbenzene	57 2		"	50 0		114	80-120			
Xylene (p/m)	111		"	100		111	80-120			
Xylene (o)	54 4		"	50 0		109	80-120			
Surrogate a,a,a-Trifluorotoluene	*40 4*		"	*40 0*		*101*	*80-120*			
Surrogate 4-Bromofluorobenzene	*37 3*		"	*40 0*		*93 2*	*80-120*			
Matrix Spike (EF62813-MS1)		**Source: 6F27008-01**		Prepared & Analyzed. 06/28/06						
Benzene	1 37	0 0250	mg/kg dry	1 33	ND	103	80-120			
Toluene	1 49	0 0250	"	1 33	ND	112	80-120			
Ethylbenzene	*1 40*	*0 0250*	"	*1 33*	*ND*	*105*	*80-120*			
Xylene (p/m)	3.02	0 0250	"	2 67	ND	113	80-120			
Xylene (o)	1 48	0 0250	"	1 33	ND	111	80-120			
Surrogate a,a,a-Trifluorotoluene	*35 6*		*ug kg*	*40 0*		*89.0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*41 6*		"	*40.0*		*104*	*80-120*			
Matrix Spike Dup (EF62813-MSD1)		**Source: 6F27008-01**		Prepared & Analyzed 06/28/06						
Benzene	1 43	0.0250	mg/kg dry	1 33	ND	108	80-120	4 74	20	
Toluene	1 55	0 0250	"	1.33	ND	117	80-120	4 37	20	
Ethylbenzene	1 47	0 0250	"	1 33	ND	111	80-120	5 56	20	
Xylene (p/m)	3 15	0 0250	"	2.67	ND	118	80-120	4 33	20	
Xylene (o)	1 55	0.0250	"	1 33	ND	117	80-120	5 26	20	
Surrogate a,a,a-Trifluorotoluene	*42 0*		*ug kg*	*40 0*		*105*	*80-120*			
Surrogate 4-Bromofluorobenzene	*43 5*		"	*40 0*		*109*	*80-120*			

Highlander Environmental Corp	Project Duke/ J-4-2-9 Line Site #1	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number 2574	
Midland TX, 79705	Project Manager Ike Tavarez	

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 EF62124 - General Preparation (WetChem)										
Blank (EF62124-BLK1)				Prepared & Analyzed: 06/21/06						
Chloride	ND	0 500	mg/kg							
LCS (EF62124-BS1)				Prepared & Analyzed 06/21/06						
Chloride	10 7		mg/L	10 0		107	80-120			
Calibration Check (EF62124-CCV1)				Prepared & Analyzed 06/21/06						
Chloride	10.6		mg/L	10 0		106	80-120			
Duplicate (EF62124-DUP1)	**Source: 6F20008-12**			Prepared & Analyzed: 06/21/06						
Chloride	954	20 0	mg/kg		959			0 523	20	
Duplicate (EF62124-DUP2)	**Source: 6F20010-05**			Prepared & Analyzed: 06/21/06						
Chloride	340	10 0	mg/kg		340			0 00	20	
Matrix Spike (EF62124-MS1)	**Source: 6F20008-12**			Prepared & Analyzed. 06/21/06						
Chloride	1470	20.0	mg/kg	400	959	128	80-120			S-07
Matrix Spike (EF62124-MS2)	**Source: 6F20010-05**			Prepared & Analyzed: 06/21/06						
Chloride	599	10 0	mg/kg	200	340	130	80-120			S-07
Batch EF62202 - General Preparation (Prep)										
Blank (EF62202-BLK1)				Prepared: 06/21/06 Analyzed. 06/22/06						
% Moisture	ND	0 1	%							
Duplicate (EF62202-DUP1)	**Source: 6F20008-01**			Prepared 06/21/06 Analyzed. 06/22/06						
% Moisture	9.9	0 1	%		10.1			2 00	20	

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Highlander Environmental Corp.	Project: Duke/ J-4-2-9 Line Site #1	Fax (432) 682-3946
1910 N Big Spring St	Project Number 2574	
Midland TX, 79705	Project Manager Ike Tavarez	

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 EF62323 - General Preparation (WetChem)										
Blank (EF62323-BLK1)				Prepared & Analyzed 06/23/06						
Chloride	ND	0.500	mg/kg							
LCS (EF62323-BS1)				Prepared & Analyzed 06/23/06						
Chloride	10 7		mg/L	10 0		107	80-120			
Calibration Check (EF62323-CCV1)				Prepared & Analyzed 06/23/06						
Chloride	11 1		mg/L	10 0		111	80-120			
Duplicate (EF62323-DUP1)		**Source: 6F20011-05**		Prepared & Analyzed 06/23/06						
Chloride	27 6	5 00	mg/kg		27.6			0 00	20	
Duplicate (EF62323-DUP2)		**Source: 6F21007-01**		Prepared & Analyzed 06/23/06						
Chloride	12 5	5 00	mg/kg		11 6			7 47	20	
Matrix Spike (EF62323-MS1)		**Source: 6F20011-05**		Prepared & Analyzed 06/23/06						
Chloride	125	5 00	mg/kg	100	27.6	97.4	80-120			
Matrix Spike (EF62323-MS2)		**Source: 6F21007-01**		Prepared & Analyzed: 06/23/06						
Chloride	102	5 00	mg/kg	100	11.6	90 4	80-120			

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Highlander Environmental Corp.	Project Duke/ J-4-2-9 Line Site #1	Fax: (432) 682-3946
1910 N Big Spring St	Project Number 2574	
Midland TX, 79705	Project Manager Ike Tavarez	

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: Raland K Tuttle Date: 6/29/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 2

CLIENT NAME: Duke

SITE MANAGER: Ike Tavarez

PROJECT NO.: 2574

PROJECT NAME: Duke / J-4-2-9 Line Site #1 Lea County, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
6F2004 -01	6/16/06		S		X	AH-1 0-1.0'	1				X	
-02			S		X	AH-1 1.0'-1.5'	1				X	
-03			S		X	AH-1 2.0'-2.5'	1				X	
-04			S		X	AH-1 3.0'-3.5'	1				X	
-05			S		X	AH-1 4.0'-4.5'	1				X	
-06			S		X	AH-2 0-1.0'	1				X	
-07			S		X	AH-2 1.0'-1.5'	1				X	
-08			S		X	AH-2 2.0'-2.5'	1				X	
-09			S		X	AH-2 3.0'-3.5'	1				X	
-10			S		X	AH-2 4.0'-4.5'	1				X	

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602 (X) Added 6-28-06	MTBE 8020/602	TPH 418.1	TPH 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	EDB, TRS, pH, TDS, (Chloride)	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
		X												X			
X		X												X			
		X												X			
		X												X			
		X												X			
X		X												X			
X		X												X			
		X												X			
		X												X			
		X												X			

RELINQUISHED BY: (Signature) Jimmy Taylor Date: 6-20-06 Time: 3:15

RELINQUISHED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ELT

ADDRESS: CITY: Odessa STATE: TX ZIP:

CONTACT: PHONE:

SAMPLE CONDITION WHEN RECEIVED: Iced

RECEIVED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: 6/20/06 Time: 3:15

SAMPLED BY: (Print & Sign) Jay Taylor / Ike Tavarez Date: 6/19/06 Time: 4:50

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: Run 1 BTEX for each AH on the highest TPH w/ label 4.0

Please fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

Analysis Request and Chain of Custody Record

PAGE: 2 OF: 2

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Duke
SITE MANAGER: Ike Tavarez
PROJECT NO.: 2574
PROJECT NAME: Duke / J-4-2-9 Line Site #1 Lea County, NM

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER 6F20011	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
-11	6/16/06		S		X	AH-3 0-1.0'	1				X				X											X			
-12	↓		S		X	AH-3 1.0'-1.5'	1				X				X											X			
-13	↓		S		X	AH-3 2.0'-2.5'	1				X				X											X			
-14	↓		S		X	AH-3 3.5'-4.0'	1				X				X											X			

RELINQUISHED BY: (Signature) [signature] Date: 6-20-06 Time: 3:15
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ELT
ADDRESS:
CITY: Odessa STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature) [signature]
DATE: 6/20/06 TIME: 3:15

SAMPLED BY: (Print & Sign) May Taylor & Ike Tavarez Date: 6/19/06 Time: 4:50

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # UPS OTHER: HAND DELIVERED (circled)

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED:

MATRIX: W-Water A-Air SD-Solid S-Soil (circled) SL-Sludge O-Other

REMARKS:

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Enviromental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

lient Highlander

ate/Time: 6/20/08 8:15

rder #: 6F20011

nitials: CK

Sample Receipt Checklist

emperature of container/cooler?	Yes	No	6.0 C
hipping container/cooler in good condition?	Yes	No	
ustody Seals intact on shipping container/cooler?	Yes	No	Not present
ustody Seals intact on sample bottles?	Yes	No	Not present
hain of custody present?	Yes	No	
ample Instructions complete on Chain of Custody?	Yes	No	
hain of Custody signed when relinquished and received?	Yes	No	
hain of custody agrees with sample label(s)	Yes	No	
ontainer labels legible and intact?	Yes	No	
ample Matrix and properties same as on chain of custody?	Yes	No	
amples in proper container/bottle?	Yes	No	
amples properly preserved?	Yes	No	
ample bottles intact?	Yes	No	
reservations documented on Chain of Custody?	Yes	No	
ontainers documented on Chain of Custody?	Yes	No	
ufficient sample amount for indicated test?	Yes	No	
samples received within sufficient hold time?	Yes	No	
OC samples have zero headspace?	Yes	No	Not Applicable

ther observations:

Variance Documentation:

ontact Person: - Date/Time: Contacted by:

egarding:

orrective Action Taken:

02/22/07

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ J-4-2-9 Line

Project Number: 2574

Location: Lea County, NM

Lab Order Number: 7B20001

Report Date: 02/22/07

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

Fax: (432) 682-3946

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 Bottom 5.5'	7B20001-01	Soil	02/19/07 00:00	02-19-2007 17:22
#2 Bottom 5.5'	7B20001-02	Soil	02/19/07 00:00	02-19-2007 17:22
#3 Bottom 5 5'	7B20001-03	Soil	02/19/07 00:00	02-19-2007 17:22

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
#1 Bottom 5.5' (7B20001-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB71705	02/19/07	02/19/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.8 %*	*70-130*		"	"	"	"	
#2 Bottom 5.5' (7B20001-02) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EB72010	02/20/07	02/21/07	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		*88.0 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*75-125*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB71705	02/19/07	02/19/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*95.2 %*	*70-130*		"	"	"	"	
#3 Bottom 5.5' (7B20001-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB71705	02/19/07	02/19/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.0 %*	*70-130*		"	"	"	"	

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
#1 Bottom 5.5' (7B20001-01) Soil									
% Moisture	**5.2**	0.1	%	1	EB72007	02/20/07	02/20/07	% calculation	
#2 Bottom 5.5' (7B20001-02) Soil									
% Moisture	**11.9**	0.1	%	1	EB72007	02/20/07	02/20/07	% calculation	
#3 Bottom 5.5' (7B20001-03) Soil									
% Moisture	**11.2**	0.1	%	1	EB72007	02/20/07	02/20/07	% calculation	

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
Batch EB71705 - Solvent Extraction (GC)										
Blank (EB71705-BLK1)				Prepared: 02/17/07 Analyzed: 02/19/07						
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	*53.4*		*mg/kg*	*50 0*		*107*	*70-130*			
Surrogate 1-Chlorooctadecane	*54.6*		*"*	*50.0*		*109*	*70-130*			
LCS (EB71705-BS1)				Prepared: 02/17/07 Analyzed: 02/19/07						
Carbon Ranges C6-C12	572	10.0	mg/kg wet	500		114	75-125			
Carbon Ranges C12-C28	541	10.0	"	500		108	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1110	10.0	"	1000		111	75-125			
Surrogate. 1-Chlorooctane	*53.9*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate. 1-Chlorooctadecane	*54 0*		*"*	*50.0*		*108*	*70-130*			
Calibration Check (EB71705-CCV1)				Prepared: 02/17/07 Analyzed: 02/20/07						
Carbon Ranges C6-C12	225		mg/kg	250		90 0	80-120			
Carbon Ranges C12-C28	270		"	250		108	80-120			
Total Hydrocarbons	495		"	500		99 0	80-120			
Surrogate 1-Chlorooctane	*56.8*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.8*		*"*	*50.0*		*99 6*	*70-130*			
Matrix Spike (EB71705-MS1)	**Source: 7B16012-01**			Prepared: 02/17/07 Analyzed: 02/19/07						
Carbon Ranges C6-C12	609	10.0	mg/kg dry	574	ND	106	75-125			
Carbon Ranges C12-C28	548	10.0	"	574	ND	95 5	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1160	10.0	"	1150	ND	101	75-125			
Surrogate 1-Chlorooctane	*47.2*		*mg/kg*	*50 0*		*94.4*	*70-130*			
Surrogate 1-Chlorooctadecane	*44.9*		*"*	*50 0*		*89.8*	*70-130*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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
Batch EB71705 - Solvent Extraction (GC)										
Matrix Spike Dup (EB71705-MSD1)	**Source: 7B16012-01**			Prepared: 02/17/07 Analyzed: 02/19/07						
Carbon Ranges C6-C12	615	10.0	mg/kg dry	574	ND	107	75-125	0.939	20	
Carbon Ranges C12-C28	552	10.0	"	574	ND	96.2	75-125	0.730	20	
Carbon Ranges C28-C35	ND	10.0	"	0 00	ND		75-125		20	
Total Hydrocarbons	1170	10.0	"	1150	ND	102	75-125	0.985	20	
Surrogate: 1-Chlorooctane	*48.6*		*mg/kg*	*50 0*		*97.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.7*		*"*	*50.0*		*91.4*	*70-130*			
Batch EB72010 - EPA 5030C (GC)										
Blank (EB72010-BLK1)				Prepared & Analyzed: 02/20/07						
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	*43.9*		*ug/kg*	*50.0*		*87 8*	*75-125*			
Surrogate. 4-Bromofluorobenzene	*41.0*		*"*	*50.0*		*82.0*	*75-125*			
LCS (EB72010-BS1)				Prepared & Analyzed: 02/20/07						
Benzene	0.0543	0.00100	mg/kg wet	0.0500		109	80-120			
Toluene	0 0496	0.00100	"	0.0500		99.2	80-120			
Ethylbenzene	0.0453	0.00100	"	0 0500		90 6	80-120			
Xylene (p/m)	0.0953	0.00100	"	0.100		95.3	80-120			
Xylene (o)	0.0401	0.00100	"	0.0500		80.2	80-120			
Surrogate. a,a,a-Trifluorotoluene	*47.5*		*ug/kg*	*50.0*		*95.0*	*75-125*			
Surrogate· 4-Bromofluorobenzene	*46.6*		*"*	*50.0*		*93 2*	*75-125*			

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
Batch EB72010 - EPA 5030C (GC)										
Calibration Check (EB72010-CCV1)				Prepared: 02/20/07 Analyzed: 02/21/07						
Benzene	51.2		ug/kg	50.0		102	80-120			
Toluene	47.5		"	50 0		95 0	80-120			
Ethylbenzene	45.2		"	50.0		90.4	80-120			
Xylene (p/m)	91.1		"	100		91.1	80-120			
Xylene (o)	41.0		"	50 0		82.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44 8*		"	*50.0*		*89 6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*44.5*		"	*50.0*		*89.0*	*75-125*			
Matrix Spike (EB72010-MS1)		**Source: 7B16003-02**		Prepared: 02/20/07 Analyzed: 02/21/07						
Benzene	0.107	0.00200	mg/kg dry	0.108	ND	99.1	80-120			
Toluene	0 0966	0.00200	"	0.108	ND	89.4	80-120			
Ethylbenzene	0 0970	0.00200	"	0.108	ND	89.8	80-120			
Xylene (p/m)	0.193	0.00200	"	0.216	ND	89 4	80-120			
Xylene (o)	0.0878	0 00200	"	0.108	ND	81.3	80-120			
Surrogate. a,a,a-Trifluorotoluene	*41.7*		*ug/kg*	*50.0*		*83.4*	*75-125*			
Surrogate. 4-Bromofluorobenzene	*52.7*		"	*50.0*		*105*	*75-125*			
Matrix Spike Dup (EB72010-MSD1)		**Source: 7B16003-02**		Prepared: 02/20/07 Analyzed: 02/21/07						
Benzene	0.114	0 00200	mg/kg dry	0.108	ND	106	80-120	6.73	20	
Toluene	0 103	0.00200	"	0.108	ND	95.4	80-120	6.49	20	
Ethylbenzene	0 105	0.00200	"	0.108	ND	97.2	80-120	7.91	20	
Xylene (p/m)	0 203	0.00200	"	0.216	ND	94.0	80-120	5.02	20	
Xylene (o)	0.0885	0.00200	"	0.108	ND	81.9	80-120	0.735	20	
Surrogate· a,a,a-Trifluorotoluene	*46.3*		*ug/kg*	*50 0*		*92.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*54.9*		"	*50.0*		*110*	*75-125*			

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

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 EB72007 - General Preparation (Prep)										
Blank (EB72007-BLK1)				Prepared & Analyzed: 02/20/07						
% Solids	99.8		%							
Duplicate (EB72007-DUP1)		**Source: 7B19002-01**		Prepared & Analyzed: 02/20/07						
% Solids	93 6		%		93.8			0 213	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Notes and Definitions

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: 2/22/07

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

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Analysis Request and Chain of Custody Record

PAGE: 1 OF: 1

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Duke

SITE MANAGER: Ike Tavarez

PROJECT NO.: 2574

PROJECT NAME: DUKE / J-4-2-9 Line Lea Co. NM

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER MB20001	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
-01	2-19-07		S		✓	#1 bottom 5.5'	1				✓				X														
-02	2-19-07		S		✓	#2 bottom 5.5'	1				✓		(X)		X														
-03	2-19-07		S		✓	#3 bottom 5.5'	1				✓				X														

RELINQUISHED BY: (Signature) [signature] Date: 2/19/07 Time: 5:22

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ike Tavarez Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: (HAND DELIVERED) UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: EIT.
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) [signature]
DATE: 2/19/07 TIME: 5:22

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Intact 4°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: Rush - Cell Vebels 425-3878
Alt 432-631-0348

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Enviromental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Add BTEX-02 as per Ike 2/20/07
Standard TAT CDK

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Highlander

Date/ Time: 2/9/07 5:22

Lab ID # : 7B2000

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	4.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	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

03/01/07

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Duke/ J-4-2-9 Line

Project Number: 2574

Location: Lea Co., NM

Lab Order Number: 7B22001

Report Date: 03/01/07

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

Fax: (432) 682-3946

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#4 2.0'	7B22001-01	Soil	02/19/07 00:00	02-21-2007 17:10
#5 2.0'	7B22001-02	Soil	02/19/07 00:00	02-21-2007 17:10
#6 2.0'	7B22001-03	Soil	02/19/07 00:00	02-21-2007 17:10
#7 2.0'	7B22001-04	Soil	02/19/07 00:00	02-21-2007 17:10

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
#4 2.0' (7B22001-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB72202	02/22/07	02/24/07	EPA 8015M	
Carbon Ranges C12-C28	**29.1**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**29.1**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*129 %*	*70-130*		"	"	"	"	
#5 2.0' (7B22001-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB72202	02/22/07	02/26/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	
#6 2.0' (7B22001-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB72202	02/22/07	02/24/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*124 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	
#7 2.0' (7B22001-04) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EB72202	02/22/07	02/26/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*127 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*141 %*	*70-130*		"	"	"	"	*S-04*

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
#4 2.0' (7B22001-01) Soil									
% Moisture	**2.2**	0.1	%	1	EB72301	02/22/07	02/23/07	% calculation	
#5 2.0' (7B22001-02) Soil									
% Moisture	**3.0**	0.1	%	1	EB72301	02/22/07	02/23/07	% calculation	
#6 2.0' (7B22001-03) Soil									
% Moisture	**3.1**	0.1	%	1	EB72301	02/22/07	02/23/07	% calculation	
#7 2.0' (7B22001-04) Soil									
% Moisture	**3.7**	0.1	%	1	EB72301	02/22/07	02/23/07	% calculation	

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
#4 2.0' (7B22001-01) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EB72703	02/27/07	02/27/07	EPA 8260B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.8 %*	*52-149*		"	"	"	"	
Surrogate. Toluene-d8		*92.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*66-145*		"	"	"	"	

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
Batch EB72202 - Solvent Extraction (GC)										
Blank (EB72202-BLK1)				Prepared: 02/22/07 Analyzed: 02/23/07						
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	*58.3*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate. 1-Chlorooctadecane	*53.5*		"	*50.0*		*107*	*70-130*			
LCS (EB72202-BS1)				Prepared: 02/22/07 Analyzed: 02/23/07						
Carbon Ranges C6-C12	609	10 0	mg/kg wet	500		122	75-125			
Carbon Ranges C12-C28	503	10.0	"	500		101	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0.00			75-125			
Total Hydrocarbons	1110	10 0	"	1000		111	75-125			
Surrogate. 1-Chlorooctane	*64.4*		*mg/kg*	*50 0*		*129*	*70-130*			
Surrogate 1-Chlorooctadecane	*53.6*		"	*50.0*		*107*	*70-130*			
Calibration Check (EB72202-CCV1)				Prepared: 02/22/07 Analyzed: 02/26/07						
Carbon Ranges C6-C12	217		mg/kg	250		86 8	80-120			
Carbon Ranges C12-C28	216		"	250		86 4	80-120			
Total Hydrocarbons	433		"	500		86 6	80-120			
Surrogate: 1-Chlorooctane	*60.9*		"	*50.0*		*122*	*70-130*			
Surrogate. 1-Chlorooctadecane	*61.2*		"	*50 0*		*122*	*70-130*			
Matrix Spike (EB72202-MS1)	**Source: 7B21012-17**			Prepared: 02/22/07 Analyzed: 02/24/07						
Carbon Ranges C6-C12	618	10.0	mg/kg dry	512	ND	121	75-125			
Carbon Ranges C12-C28	511	10.0	"	512	ND	99.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0 00	ND		75-125			
Total Hydrocarbons	1140	10 0	"	1020	ND	112	75-125			
Surrogate 1-Chlorooctane	*63 4*		*mg/kg*	*50 0*		*127*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.5*		"	*50 0*		*119*	*70-130*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
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
Batch EB72202 - Solvent Extraction (GC)										
Matrix Spike Dup (EB72202-MSD1)	**Source: 7B21012-17**			Prepared: 02/22/07 Analyzed: 02/24/07						
Carbon Ranges C6-C12	631	10 0	mg/kg dry	512	ND	123	75-125	1 64	20	
Carbon Ranges C12-C28	504	10 0	"	512	ND	98.4	75-125	1 41	20	
Carbon Ranges C28-C35	ND	10 0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1140	10 0	"	1020	ND	112	75-125	0 00	20	
Surrogate· 1-Chlorooctane	*60.4*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate. 1-Chlorooctadecane	*57.1*		*"*	*50.0*		*114*	*70-130*			

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Project: Duke/ J-4-2-9 Line
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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 EB72301 - General Preparation (Prep)										
Blank (EB72301-BLK1)				Prepared: 02/22/07 Analyzed: 02/23/07						
% Solids	100		%							
Duplicate (EB72301-DUP1)		**Source: 7B21012-01**		Prepared: 02/22/07 Analyzed: 02/23/07						
% Solids	92 4		%		92 1			0 325	20	
Duplicate (EB72301-DUP2)		**Source: 7B21014-02**		Prepared: 02/22/07 Analyzed: 02/23/07						
% Solids	92 1		%		92.3			0 217	20	

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB72703 - EPA 5030C (GCMS)										
Blank (EB72703-BLK1)				Prepared & Analyzed: 02/27/07						
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: Dibromofluoromethane	*51 5*		*ug/kg*	*50.0*		*103*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*39.5*		*"*	*50 0*		*79 0*	*52-149*			
Surrogate. Toluene-d8	*44.9*		*"*	*50 0*		*89.8*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*46 1*		*"*	*50 0*		*92 2*	*66-145*			
LCS (EB72703-BS1)				Prepared & Analyzed: 02/27/07						
Benzene	0.0375	0.00100	mg/kg wet	0.0500		75.0	70-130			
Toluene	0.0396	0.00100	"	0.0500		79.2	70-130			
Ethylbenzene	0 0558	0 00100	"	0.0500		112	70-130			
Xylene (p/m)	0.111	0.00100	"	0.100		111	70-130			
Xylene (o)	0.0559	0 00100	"	0 0500		112	70-130			
Surrogate. Dibromofluoromethane	*48 2*		*ug/kg*	*50.0*		*96.4*	*70-139*			
Surrogate 1,2-Dichloroethane-d4	*38.9*		*"*	*50.0*		*77.8*	*52-149*			
Surrogate Toluene-d8	*38.8*		*"*	*50 0*		*77.6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*44 8*		*"*	*50.0*		*89.6*	*66-145*			
Calibration Check (EB72703-CCV1)				Prepared & Analyzed: 02/27/07						
Toluene	54 9		ug/kg	50.0		110	70-130			
Ethylbenzene	48.4		"	50.0		96.8	70-130			
Surrogate Dibromofluoromethane	*49 5*		*"*	*50 0*		*99 0*	*70-139*			
Surrogate. 1,2-Dichloroethane-d4	*36.5*		*"*	*50.0*		*73.0*	*52-149*			
Surrogate. Toluene-d8	*48.2*		*"*	*50 0*		*96 4*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*48 8*		*"*	*50 0*		*97 6*	*66-145*			

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

Project: Duke/ J-4-2-9 Line
Project Number: 2574
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB72703 - EPA 5030C (GCMS)										
Matrix Spike (EB72703-MS1)		**Source: 7B21012-16**		Prepared & Analyzed: 02/27/07						
Benzene	0 112	0.00200	mg/kg dry	0.104	ND	108	70-130			
Toluene	0.112	0.00200	"	0.104	ND	108	70-130			
Ethylbenzene	0.0964	0.00200	"	0.104	ND	92.7	70-130			
Xylene (p/m)	0.185	0.00200	"	0.209	ND	88.5	70-130			
Xylene (o)	0.0989	0.00200	"	0 104	ND	95.1	70-130			
Surrogate: Dibromofluoromethane	*49.9*		*ug/kg*	*50 0*		*99.8*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		*"*	*50 0*		*96 4*	*52-149*			
Surrogate: Toluene-d8	*48.3*		*"*	*50.0*		*96 6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*51.3*		*"*	*50 0*		*103*	*66-145*			
Matrix Spike Dup (EB72703-MSD1)		**Source: 7B21012-16**		Prepared & Analyzed: 02/27/07						
Benzene	0 121	0.00200	mg/kg dry	0 104	ND	116	70-130	7.14	20	
Toluene	0 104	0 00200	"	0.104	ND	100	70-130	7 69	20	
Ethylbenzene	0.0972	0.00200	"	0.104	ND	93 5	70-130	0.859	20	
Xylene (p/m)	0 189	0.00200	"	0.209	ND	90 4	70-130	2 12	20	
Xylene (o)	0 0991	0.00200	"	0.104	ND	95.3	70-130	0.210	20	
Surrogate: Dibromofluoromethane	*45.4*		*ug/kg*	*50 0*		*90.8*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*36.2*		*"*	*50 0*		*72.4*	*52-149*			
Surrogate: Toluene-d8	*46.0*		*"*	*50 0*		*92.0*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*49.6*		*"*	*50 0*		*99 2*	*66-145*			

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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: 3/1/07

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

277837

Analysis Request and Chain of Custody Record

PAGE: 1 OF: 1

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Duke

SITE MANAGER: Ike Tavarez

PROJECT NO.: 2574

PROJECT NAME: Duke / J-4-2-9 line Lea Co. NM

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
7B22001 -01	2-19-07		S		✓	#4 (2.0')	1				✓		X		X														
-02	2-19-07		S		✓	#5 (2.0')	1				✓				X														
-03	2-19-07		S		✓	#6 (2.0')	1				✓				X														
	2-19-07		S		✓	#7 (2.0')	1				✓				X														

RELINQUISHED BY: (Signature) [signature] Date: 2-21-07 Time: 5:10pm

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ike Tavarez Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # HAND DELIVERED (circled) UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ETL
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) [signature]
DATE: 2-21-07 TIME: 5:10 PM

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 3.5°C

MATRIX: W-Water A-Air SD-Solid S-Soil (circled) SL-Sludge O-Other

REMARKS: Run (1) BTEX with highest TPH

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Enviromental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Highlander

Date/ Time: 2/22/07 5:10

Lab ID # : 7B22001

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	3.5 °C	
#2	Shipping container in good condition?	~~Yes~~	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	~~Yes~~	No		
#6	Sample instructions complete of Chain of Custody?	~~Yes~~	No		
#7	Chain of Custody signed when relinquished/ received?	~~Yes~~	No		
#8	Chain of Custody agrees with sample label(s)?	~~Yes~~	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	~~Yes~~	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	~~Yes~~	No		
#11	Containers supplied by ELOT?	~~Yes~~	No		
#12	Samples in proper container/ bottle?	~~Yes~~	No	See Below	
#13	Samples properly preserved?	~~Yes~~	No	See Below	
#14	Sample bottles intact?	~~Yes~~	No		
#15	Preservations documented on Chain of Custody?	~~Yes~~	No		
#16	Containers documented on Chain of Custody?	~~Yes~~	No		
#17	Sufficient sample amount for indicated test(s)?	~~Yes~~	No	See Below	
#18	All samples received within sufficient hold time?	~~Yes~~	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	~~Yes~~	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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Highlander

Date/ Time. 3/1/07 13:20

Lab ID # : 703008

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	4.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	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

SITE INFORMATION

Type of Report: Closure Report

General Site Information:	
Site:	**J-4-2-9 Gathering Line**
Company:	**DCP Midstream, LP**
Section, Township and Range	**Section 30, T19S, R35 E**
Unit Letter:	**M**
Lease Number:	**-**
County:	**Lea**
GPS:	**32° 37' 33.7", 103° 30' 08.2"**
Surface Owner:	-
Mineral Owner:	-
Directions:	From 62/180 and Hwy 529, go 6.5 west on 62/180 (before mile marker 86),
	turn left (south) into lease road, go 1.9 miles to "T"and turn right (west), go 0.8 miles
	and turn right (north), go 0.1 miles to P&A well pad, Duke right-a way or spill located
	200' north of well pad.

Release Data:	
Date Released:	unknown
Date Discovered:	1/20/2006
Type Release:	pipeline liquids
Source of Contamination:	Low pressure gathering pipeline
Fluid Released:	10 barrels
Fluids Recovered:	5 barrels

Official Communication:			
Name:	Lynn Ward		Ike Tavarez
Company:	DCP Midstream, LP		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		(432) 682- 3946
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 >50 - <100 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**	
Total Ranking Score:	**10**	

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-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 11525 W. Carlsbad Hwy., Hobbs, NM 88240	Telephone No. 505/391-5705 or 432/620-4207
Facility Name J-4-2-9 Gathering Line	Facility Type Low Pressure Gathering Line

Surface Owner DUKE ENERGY FIELD SERVICES	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
SW/4	30	19S	35E					LEA COUNTY

Latitude 32.62589 Longitude -103.50182

NATURE OF RELEASE

Type of Release PIPELINE LIQUIDS	Volume of Release 10 BBLS	Volume Recovered 5 BBLS
Source of Release Low pressure gathering pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 1/20/06 @ 7:15 am MST
Was Immediate Notice Given? ☐ Yes ☐ No ☑ Not Required	If YES, To Whom? NA – written notification within 15 days	
By Whom? LYNN WARD	Date and Hour 1/23/06 @ 3:45 pm MST to Larry Johnson, Hobbs, OCD	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse. NOT APPLICABLE	

If a Watercourse was Impacted, Describe Fully.*
NOT APPLICABLE

Describe Cause of Problem and Remedial Action Taken.*
The low pressure gathering line (J-4-2-9) separated at a dresser sleeve. The average daily line volume is 0.5 Mmscf. The average H2S concentration is 0 ppm H2S. The normal operating pressure of the line is 15 psia.

When the release was discovered, operators immediately depressurized the line and clamped the release point in order to terminate the release. A new section of pipe will be installed at the release location. Impacted soils will be investigated by Highlander Environmental who will submit a proposed closure plan.

Describe Area Affected and Cleanup Action Taken.*

A third party contractor will investigate and delineate the release location. Depth to water according to the Office of the State Engineers database is 50' to 100' bgs thus the RRALs for the location are as follows: TPH < 1,000 ppm, BENZENE<10 ppm, AND TOTAL BTEX<50 ppm. DELINEATION WILL DETERMINE IF ACTION LEVELS MORE STRINGENT ARE RECOMMENDED.

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: Lynn Ward	OIL CONSERVATION DIVISION	
Printed Name: LYNN WARD	Approved by District Supervisor:	
Title: SR. ENVIRONMENTAL SPECIALIST	Approval Date:	Expiration Date:
E-mail Address: lcward@duke-energy.com	Conditions of Approval:	Attached ☐
Date: 1/31/06 Phone: 432/620-4207		

* Attach Additional Sheets If Necessary

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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 June 10, 20

Submit 2 Copies to appropria
District Office in accordan
with Rule 116 on ba
side of for

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Rep

Name of Company: DCP Midstream, LP	Contact: Ronnie Gilcrest/Lynn Ward
Address: 11525 Carlsbad Hwy, Hobbs NM 88240	Telephone No.: (505) 391-5705/(432) 620-4207
Facility Name: J-4-2-9 Gathering Line	Facility Type: Low Pressure Gathering Line

Surface Owner: PRIVATE	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
M	30	19S	35E					Lea

NATURE OF RELEASE

Type of Release: Pipeline Liquids	Volume of Release: 10 BBLS	Volume Recovered: 5 BBLS
Source of Release: Low pressure gathering pipoline	Date and Hour of Occurrence unknown	Date and Hour of Discovery 1/20/06 7:15 AM MST
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? NA - written notice within 45 days	
By Whom? : Jackie Flowers - Duke	Date and Hour: 1/23/06 @ 3:45 pm MST to Larry Johnson, Hobbs NMOCD	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Low pressure gathering line separated at dresser sleeve. The leak at the line was repaired by replacing a new section of line.

Describe Area Affected and Cleanup Action Taken.*
Highlander Environmental Corp. submitted Work Plan Report to the NMOCD for review. Highlander assessed and remediated the spill area and removed a total of 288 cubic yards of impacted soil. The excavated soil was transported to CRI for proper disposal. Confirmation samples collected for t excavation were all below the RRAL. A Closure Report was submitted the NMOCD for review.

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: Lynn Ward	OIL CONSERVATION DIVISION
Printed Name: LYNN WARD	Approved by District Supervisor: ENVIR. ENGR
Title: ENV. SPECIALIST	Approval Date: 7-3-07 Expiration Date: —
E-mail Address: lcward@dcpmidstream.com	Conditions of Approval: — Attached ☐
Date: 6/15/07 Phone: 432/620-4207	

* Attach Additional Sheets If Necessary