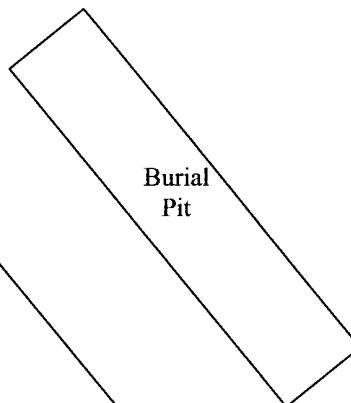


10.22.57

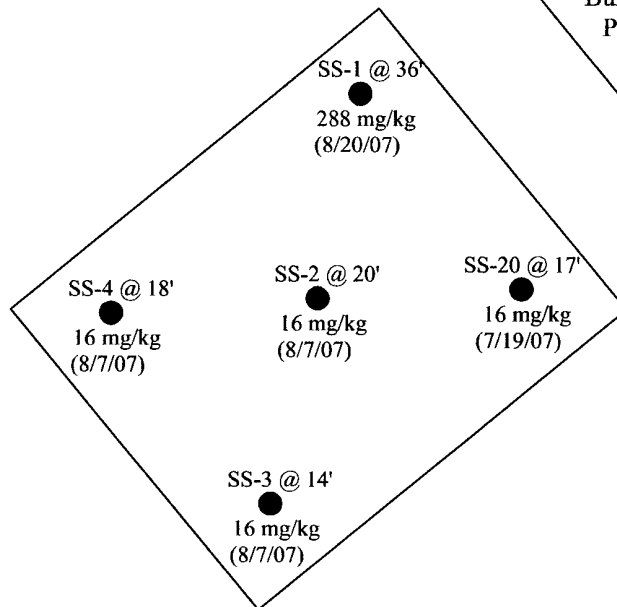
N32°24.767'
W103°08.772'



Wellhead



Burial
Pit



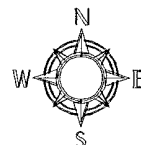
Sample Location GPS Coordinates

SS-1	N32°24.768'	W103°08.757'
SS-2	N32°24.781'	W103°08.749'
SS-3	N32°24.769'	W103°08.746'
SS-4	N32°24.780'	W103°08.755'
SS-20	N32°24.774'	W103°08.753'

LEGEND

SS-1 @ 36'
288 mg/kg
(8/20/07)

Soil sample location, with depth (feet bgs), chloride concentration (mg/kg) and sample date.



DATE: 8-21-07
NAME: CHH
PROJECT NO.: 6-0146

Graphic Scale in Feet

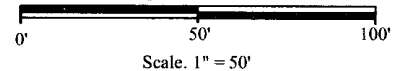


FIGURE # 2

LEA COUNTY, NEW MEXICO




Range Operating

Christmas 28 #2
U.L.L, Sec.28, T22S, R37E


Site Drawing

Ocotillo
ENVIRONMENTAL

Range Operating, Christmas 28 #2, Proposal for pit backfill [Inbox](#)

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☆  Cindy Crain to Larry,, Steve

show details Aug 21  [Reply](#)

Dear Larry,

On behalf of Range Operating (Range), Ocotillo Environmental, LLC (Ocotillo) has been contacted to conduct the reserve drilling pit closure activities at the Christmas 28 #2 site. The site is located in Unit Letter L, Section 28, Township 22 South, Range 37 East, Lea County, New Mexico.

A C144 form was approved by the OCD on 6/28/07 to deep bury the pit liner. Groundwater is at approximately 63 feet bgs.

On July 19, 2007, samples were collected below the liner and field tested. Field results reported chloride concentrations above 250 mg/kg. Excavation continued at the sample locations, until field tests reported chloride concentrations below 250 mg/kg. Those samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for chloride analysis. Results are as follows:

SS-10 @ 17' bgs (Center) 592 mg/kg

SS-18 @ 30' bgs (NE Corner) 3,119 mg/kg

SS-20 @ 17' bgs (SE Corner) 16 mg/kg

SS-21 @ 12' bgs (SW Corner) 384 mg/kg

SS-23 @ 15' bgs (NW Corner) 640 mg/kg

Following receipt of sample results, the entire pit was excavated to a depth of 14' bgs, and soil was hauled to an NMOCD disposal facility (Sundance).

On August 7, 2007, excavation continued at the Center, NE, SW and NW corners until samples were collected and submitted for laboratory analysis. Sample results are as follows:

SS-1 @ 35' bgs (NE Corner) 1,580 mg/kg

SS-2 @ 20' bgs (Center) 16 mg/kg

SS-3 @ 14' bgs (SW Corner) 16 mg/kg

SS-4 @ 18' bgs (NW Corner) 16 mg/kg

On August 20, 2007, excavation continued at the NE corner until a sample was collected at a depth of 36' bgs for laboratory analysis. Please note that extremely hard rock was encountered at a depth of approximately 35.5 feet bgs. The laboratory reported a result of 288 mg/kg chloride.

Attached please find a field drawing showing the sample locations, their depths, chloride concentrations, and the date they were collected.

Range proposes to install a 2' clay barrier at the currently excavated depth of 14' bgs. The clay will be compacted to at least 95% proctor density. The remainder of the excavation will be backfilled with clean soil, contoured to grade and re-seeded.

Ocotillo currently has equipment on location and would like to proceed with the pit closure as soon as possible. A complete report of the closure activities will be submitted with the final C144.

If you have any questions or need additional information, please either call me at (505) 441-7244 or email Cindy.Crain@gmail.com.

Thank you,

—
Cindy Crain
Environmental Manager

Ocotillo Environmental
2125 French Drive
Hobbs, NM 88240

Office (505) 393-6371
Cell (505) 441-7244
Fax (432) 272-0304



Field Drawing.doc

150K [View as HTML](#) [Open as a Google document](#) [Download](#)

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★ "Johnson, Larry, EMNRD" to me, Steve

show details Aug 23 [↩ Reply](#)

Closure approved as proposed. LJ

From: Cindy Crain [<mailto:cindy.crain@gmail.com>]
Sent: Tuesday, August 21, 2007 12:26 PM
To: Johnson, Larry, EMNRD
Cc: Steve Almager - Range
Subject: Range Operating, Christmas 28 #2, Proposal for pit backfill

- Show quoted text -

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Receiving Date: 07/20/07
Reporting Date: 07/23/07
Project Number: 6-0146
Project Name: CHRISTMAS 28 #2
Project Location: LEA COUNTY, NM

Analysis Date: 07/23/07
Sampling Date: 07/19/07 & 07/20/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H12953-1	SS-10 @ 17'	592
H12953-2	SS-18 @ 30'	3119
H12953-3	SS-20 @ 17'	16
H12953-4	SS-21 @ 12'	384
H12953-5	SS-23 @ 15'	640
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chémist

Date

H12953 OCO

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ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 08/07/07
Reporting Date: 08/07/07
Project Owner: RANGE
Project Name: CHRISTMAS 28 #2
Project Location: LEA CO., NM

Analysis Date: 08/07/07
Sampling Date: 08/07/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H13045-1	SS-1 @ 35'	1,580
H13045-2	SS-2 @ 20'	16
H13045-3	SS-3 @ 14'	16
H13045-4	SS-4 @ 18'	16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-C/B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date _____

H13045 OCO

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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Ocotillo Environmental LLC</u>				BILL TO												ANALYSIS REQUEST											
Project Manager: <u>Cindy Crain</u>				P.O. #:				Chloride																			
Address: <u>2125 French Dr.</u>				Company: <u>Ocotillo</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																							
Phone #: <u>505-441-7244</u> Fax #: <u>432-272-0309</u>				Address:																							
Project #: <u>6-0146</u> Project Owner: <u>Range</u>				City:																							
Project Name: <u>Christmas 28 #2</u>				State: Zip:																							
Project Location: <u>Log County N.M.</u>				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H13045-1	55-1 @ 35'	G	1			✓							8-7-07	7:49													
-2	55-2 @ 20'	G	1			✓							8-7-07	8:42													
-3	55-3 @ 14'	G	1			✓							8-7-07	8:53													
-4	55-4 @ 18'	G	1			✓							8-7-07	9:21													

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Relinquished By: <u>[Signature]</u>	Date: <u>8/7/07</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <u>1105</u>		Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <u>432-272-0309</u>	
	Time:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JB</u>	

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PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY CRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 08/21/07
Reporting Date: 08/21/07
Project Number: 6-0146
Project Name: CHRISTMAS 28 #2
Project Location: LEA COUNTY, NM

Analysis Date: 08/21/07
Sampling Date: 08/20/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl ⁻ (mg/Kg)
H13143-1	SS-1 @ 36'	288
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.


Chemist

08-21-07
Date

H13143 OCO

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
				REMARKS:		
Relinquished By:		Date:	Received By:	432-272-0384 ASAP Rush 24 hr if possible		
<i>Steve Cannon</i>		8/2/07	<i>Burley H. Cooke</i>			
Delivered By: (Circle One)		Time:		CHECKED BY:		
Sampler - UPS - Bus - Other:				(Initials)		
			Sample Condition			
			Cool Intact			
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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