

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 Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company	Contact Shelly Cook-Cowden	
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-324-5140	
Facility Name Aztec 8E	Facility Type Gas Well API #3004523751	
Surface Owner Federal	Mineral Owner Federal	Lease No. NMNM - 03179

LOCATION OF RELEASE

Unit Letter H	Section 14	Township 28N	Range 011W	Feet from the 1490'	North/South Line North	Feet from the 1190'	East/West Line East	County San Juan County
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Latitude ° N Longitude ° W

NATURE OF RELEASE

Type of Release -	Volume of Release -	Volume Recovered -
Source of Release - Below Grade Tank	Date and Hour of Occurrence -	Date and Hour of Discovery -
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour -	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Below Grade Tank Closure Activities.		
Describe Area Affected and Cleanup Action Taken.* Since the sample results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases no further action is required.		
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.		
OIL CONSERVATION DIVISION		
Signature: <i>Shelly Cook-Cowden</i>	Approved by District Supervisor: <i>Brand Pell</i>	
Printed Name: Shelly Cook-Cowden	Approval Date: <i>3/11/11</i> Expiration Date:	
Title: Environmental Technician	Conditions of Approval:	
E-mail Address: Shelly.g.Cook-Cowden@ConocoPhillips.com	Attached <input type="checkbox"/>	
Date: March 7, 2011 Phone: 505-324-5140	<i>NJK1122140764</i>	

* Attach Additional Sheets If Necessary



March 1, 2011

Project No.92115-1587

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403

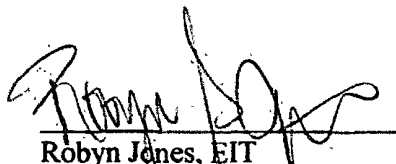
RE: BELOW GRADE TANK CLOSURE DOCUMENTATION FOR THE AZTEC #8E (hBr) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for below grade tank (BGT) closure activities conducted at the Aztec #8E (hBr) well site located in Section 14, Township 28 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on February 9, 2011, one (1) five (5)-point composite sample was collected from directly beneath the BGT; see attached *Field Notes*. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, for organic vapors using a photoionization detector (PID) and for chlorides. Additionally, the sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500. The sample returned results below the regulatory limits for all constituents analyzed, confirming a release did not occur; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Robyn Jones, EIT
Staff Engineer
rjones@envirotech-inc.com

Enclosures: Field Notes
Analytical Results

Cc: Client File 92115

PAGE NO: <u>1</u> OF <u>1</u> DATE STARTED: <u>2-9-11</u> DATE FINISHED: <u>2-9-11</u>	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>R Jones</u> LAT: <u>36.66546</u> LONG: <u>-107.96823</u>
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FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>K2+EC</u>	WELL #: <u>8E</u>	TEMP PIT: <u> </u>	PERMANENT PIT: <u> </u>	BGT: <u>✓</u>
LEGAL ADD: UNIT: <u>H</u>	SEC: <u>14</u>	TWP: <u>26N</u>	RNG: <u>11W</u>	PM: <u>NM PM</u>
QTR/FOOTAGE: <u>1490 FNL 1190 FEL</u>		CNTY: <u>San Juan</u>	ST: <u>NM</u>	

EXCAVATION APPROX: <u>36</u> FT. X <u>20</u> FT. X <u>4</u> FT. DEEP	CUBIC YARDAGE: <u> </u>
DISPOSAL FACILITY: <u>N/A</u>	REMEDATION METHOD: <u>MOV 2 to another location</u>
LAND OWNER: <u>Federal</u>	API: <u>3004523751</u>
CONSTRUCTION MATERIAL: <u>Steel</u>	BGT / PIT VOLUME: <u> </u>
DOUBLE-WALLED, WITH LEAK DETECTION: <u>ND</u>	

LOCATION APPROXIMATELY: <u>75</u> FT. <u>160°</u> FROM WELLHEAD
DEPTH TO GROUNDWATER: <u> </u>

TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg
TEMPORARY PIT - GROUNDWATER ≥ 100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg
✓ PERMANENT PIT OR BGT
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

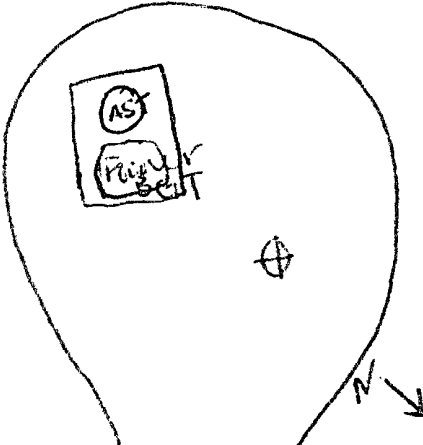
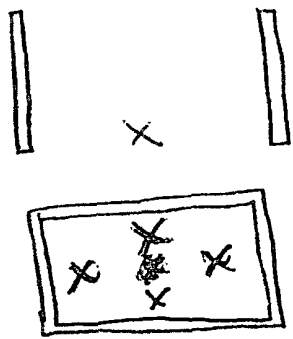
FIELD 418.1 ANALYSIS

TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
13:54	WSTD					2.64	
1417	BGT	1	5	20	4	1	ND
		2					
		3					
		4					
		5					
		6					

PERIMETER

FIELD CHLORIDES RESULTS

PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>READING</th> <th>CALC. (mg/kg)</th> </tr> <tr> <td>1</td> <td>1.8</td> <td>47</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	SAMPLE ID	READING	CALC. (mg/kg)	1	1.8	47																
SAMPLE ID	READING	CALC. (mg/kg)																					
1	1.8	47																					
PID RESULTS																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>RESULTS (mg/kg)</th> </tr> <tr> <td>100 St-4</td> <td>96.7</td> </tr> <tr> <td>1</td> <td>0.0</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>			SAMPLE ID	RESULTS (mg/kg)	100 St-4	96.7	1	0.0															
SAMPLE ID	RESULTS (mg/kg)																						
100 St-4	96.7																						
1	0.0																						

X = Sample points

LAB SAMPLES <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>RESULTS</th> </tr> <tr><td> </td><td>BENZENE</td><td> </td></tr> <tr><td> </td><td>BTEX</td><td> </td></tr> <tr><td> </td><td>GRO & DRO</td><td> </td></tr> <tr><td> </td><td>CHLORIDES</td><td> </td></tr> </table>	SAMPLE ID	ANALYSIS	RESULTS		BENZENE			BTEX			GRO & DRO			CHLORIDES		NOTES: <u>Samples gotten via backhoe</u> WORKORDER # <u> </u> WHO ORDERED <u> </u>
SAMPLE ID	ANALYSIS	RESULTS														
	BENZENE															
	BTEX															
	GRO & DRO															
	CHLORIDES															



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: Beneath BGT
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1587
Date Reported: 2/17/2011
Date Sampled: 2/9/2011
Date Analyzed: 2/9/2011
Analysis Needed: TPH-418.1

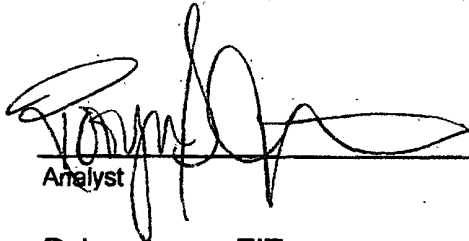
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Aztec #8E (hBr)

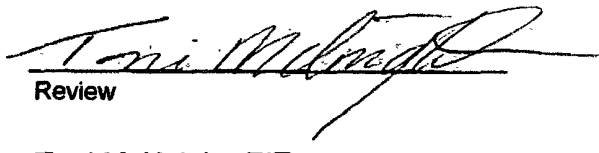
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Robyn Jones, EIT

Printed



Review

Toni McKnight, EIT

Printed

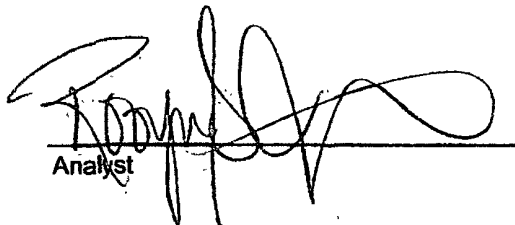


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 9-Feb-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	204
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

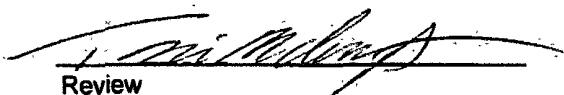

Analyst

Robyn Jones, EIT

Print Name

2/17/2011

Date


Review

Toni McKnight, EIT

Print Name

2/17/2011

Date



Field Chloride

Client: ConocoPhillips
Sample No.: 1
Sample ID: Beneath BGT
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

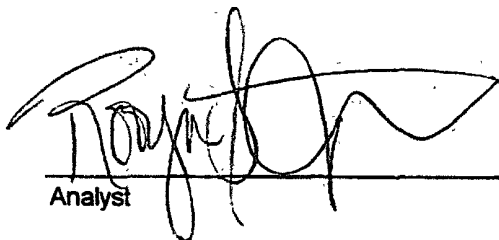
Project #: 92115-1587
Date Reported: 2/17/2011
Date Sampled: 2/9/2011
Date Analyzed: 2/9/2011
Analysis Needed: Chloride

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	47	28.0

ND = Parameter not detected at the stated detection limit.

References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992
Hach Company Quantab Titrators for Chloride

Comments: Aztec #8E (hBr)



Analyst

Robyn Jones, EIT

Printed



Review

Toni McKnight, EIT

Printed

Client:	ConocoPhillips	Project #:	92115-1587
Sample ID:	Beneath BGT	Date Reported:	02-10-11
Laboratory Number:	57170	Date Sampled:	02-09-11
Chain of Custody:	11115	Date Received:	02-09-11
Sample Matrix:	Soil	Date Analyzed:	02-10-11
Preservative:	Cool	Date Extracted:	02-09-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

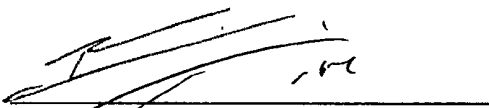
ND - Parameter not detected at the stated detection limit.

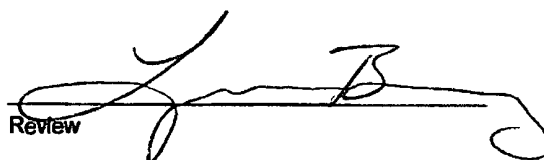
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	104 %
	Bromochlorobenzene	104 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Aztec #8E (hBr)**


 Analyst


 Review

Client:	N/A	Project #:	N/A
Sample ID:	0210BBLK QA/QC	Date Reported:	02-10-11
Laboratory Number:	57170	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-10-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	1.3947E+005	1.3975E+005	0.2%	ND	0.1
Toluene	1.4665E+005	1.4694E+005	0.2%	ND	0.1
Ethylbenzene	1.3342E+005	1.3369E+005	0.2%	ND	0.1
p,m-Xylene	3.0366E+005	3.0427E+005	0.2%	ND	0.1
o-Xylene	1.2340E+005	1.2365E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	503	101%	39 - 150
Toluene	ND	500	530	106%	46 - 148
Ethylbenzene	ND	500	523	105%	32 - 160
p,m-Xylene	ND	1000	1,070	107%	46 - 148
o-Xylene	ND	500	540	108%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 57170, 57173-57174**

Analyst


Review

Client:	ConocoPhillips	Project #:	92115-1587
Sample ID:	Beneath BGT	Date Reported:	02/10/11
Lab ID#:	57170	Date Sampled:	02/09/11
Sample Matrix:	Soil	Date Received:	02/09/11
Preservative:	Cool	Date Analyzed:	02/10/11
Condition:	Intact	Chain of Custody:	11115

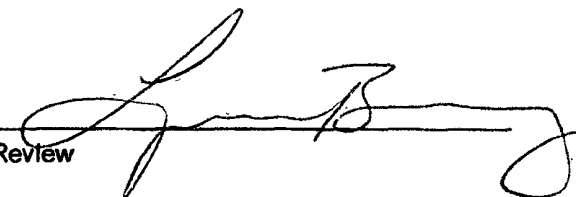
Parameter	Concentration (mg/Kg)
Total Chloride	25

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1995

Comments: **Aztec #8E (hBr)**



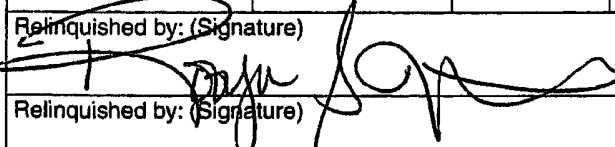
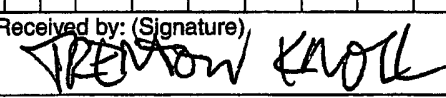
Analyst




Review

CHAIN OF CUSTODY RECORD

11115 RUSH

Client: ConocoPhillips			Project Name / Location: Aztec #8E (hBr)			ANALYSIS / PARAMETERS																	
Client Address:			Sampler Name: R Jones																				
Client Phone No.:			Client No.: 92115-1587																				
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl Ca			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Beneath BERT	2/9/11	14:30	57170	Soil Solid	1-4oz					X								X				Y	Y
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
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Relinquished by: (Signature) 			Date	Time	Received by: (Signature) 			Date			Time												
Relinquished by: (Signature)					Received by: (Signature)																		
Relinquished by: (Signature)					Received by: (Signature)																		

RUSH



envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



March 9, 2011

Brandon Powell
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Gállegos Federal 26-12-31 #1S - API # 30-045-31904
Unit D, Section 31, Township 26N, Range 12W, San Juan County, New Mexico

Dear Mr. Powell,

Attached is photo documentation of reclamation at the above mentioned well site. This document completes the Below Grade Tank Closure Report submitted to your office on January 24, 2011.

Should you have questions or require additional information, please feel free to contact me at your convenience at (505) 333-3100. Thank you for your time in regards to this matter.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'J. McDaniel'.

James McDaniel
EH&S Specialist
XTO Energy, Inc.
San Juan Division

XTO Energy, Inc.
Gallegos Federal 26-12-31 #1S
Section 31, Township 26N, Range 12W
Closure Date 12/13/2010



Photo 1: Gallegos Federal 26-12-31 #1S after Reclamation (view 1)



Photo 2: Gallegos Federal 26-12-31 #1S after Reclamation (view 2)



March 9, 2011

Brandon Powell
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Gallegos Federal 26-12-31 #1 - API # 30-045-28902
Unit A, Section 31, Township 26N, Range 12W, San Juan County, New Mexico

Dear Mr. Powell,

Attached is photo documentation of reclamation at the above mentioned well site. This document completes the Below Grade Tank Closure Report submitted to your office on January 24, 2011.

Should you have questions or require additional information, please feel free to contact me at your convenience at (505) 333-3100. Thank you for your time in regards to this matter.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'J. McDaniel'.

James McDaniel
EH&S Specialist
XTO Energy, Inc.
San Juan Division

XTO Energy, Inc.
Gallegos Federal 26-12-31 #1
Section 31, Township 26N, Range 12W
Closure Date 12/13/2010



Photo 1: Gallegos Federal 26-12-31 #1 after Reclamation (view 1)

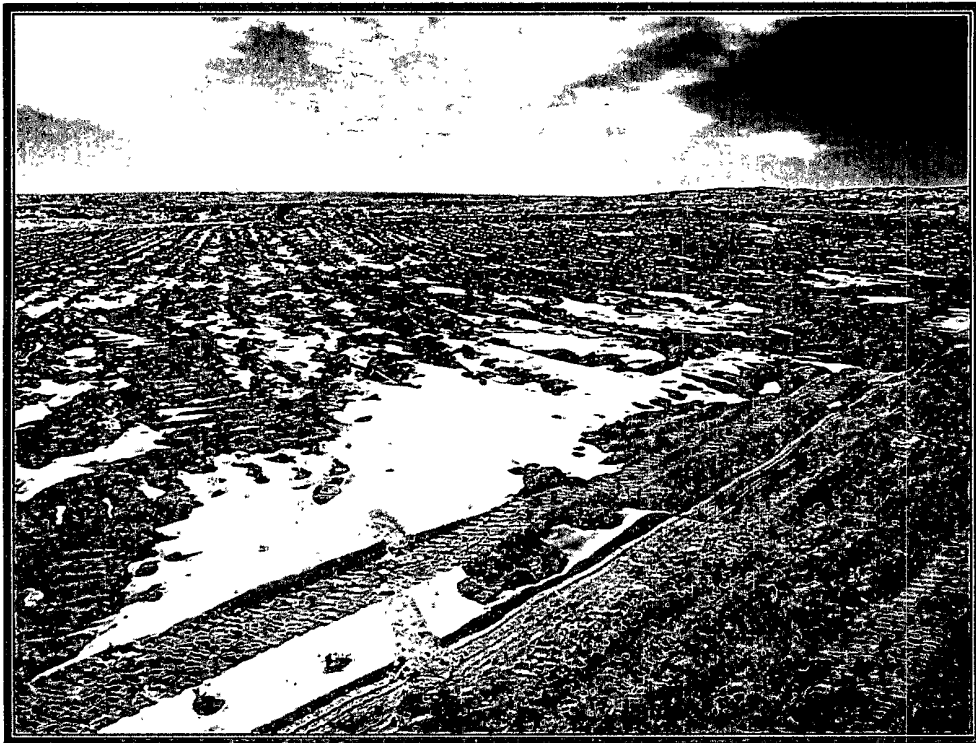


Photo 2: Gallegos Federal 26-12-31 #1 after Reclamation (view 2)