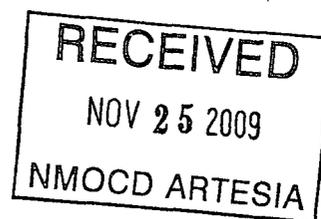


Includes CD

AP-100



TETRA TECH



November 20, 2009

Mr. Glenn von Gonten
Senior Hydrologist/Acting Environmental Bureau Chief
Environmental Bureau
Oil Conservation Division
Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Assessment and Closure Report for the Pit Located at the Gourley Federal #3 Well, Unit H, Section 28, Township 22 South, Range 28 East, Eddy County, New Mexico, Operated by Unit Petroleum Company (NMOCD Case # AP-100) 30-015-34152

Mr. von Gonten:

Tetra Tech was contacted by Unit Petroleum Corporation (Unit) to assist in the closure of a pit at the Gourley Federal #3 well, located in Unit Letter H, Section 28, Township 22 South, Range 28 East, Eddy County, New Mexico (Site). The pit coordinates are N 32° 22' 0.48" W 104° 5' 12.91". Both the State of New Mexico C-141 and C-144 (Initial and Final) are included in Appendix C. The Site is shown on Figures 1 and 2.

Background

In June 2007, Sweatt excavated the drilling Pit for the Gourley Federal #3 well to a maximum depth of 6' below ground surface (bgs), with sample trenches to 20 feet bgs for chloride sampling. Sampling conducted on July 25, 2007, found that chloride concentrations within the Pit were generally below 10,000 mg/kg with the exception of 3 samples. One sample was collected at 15 feet below the Pit bottom (bpb). The third sample was from the Pit bottom in the northeast corner. Chloride concentrations in the samples collected from the center of the Pit at depths below 15 feet bpg were below 10,000 mg/kg. At the request of the NMOCD, a temporary monitor well was installed on the south edge of the Pit, in June 2007, to establish the depth to groundwater. The well was drilled to a depth of 50' bgs. Samples from that well showed chloride concentrations of 907 mg/L and TDS concentrations of 3,990 mg/L. (See Tetra Tech January 19, 2009 report to Mr. Mike Bratcher, NMOCD.)

Tetra Tech

1910 North Big Spring, Midland, TX 79705

Tel 432.682.4559

Fax 432.682.3946 www.tetratech.com



In January 2009, Tetra Tech was contracted to perform sampling of the Pit at the site. As requested by the NMOCD, samples were collected from the center and southwest corner of the Pit. Samples from a depth of 25 feet bgs were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons (TPH), and chlorides. Confirmation samples were also collected for chlorides from a depth of 39 feet bgs in the center and 35 feet bgs in the southwest corner. During the confirmation sampling, the soils were field screened for chlorides. A one to two foot thick clay layer was encountered in both sample trenches at 37 feet bgs in the center and 34 feet bgs in the southwest corner. Sampling in the southwest corner of the pit showed elevated chlorides ranging from 5,800 mg/kg at the bottom of the Pit, declining to 700 mg/kg at 30 feet bgs, and increasing to 6,450 mg/kg at the clay layer. The concentration below the clay layer at 35 feet bgs was 761 mg/kg. The field screening at the center of the Pit showed chloride concentrations ranging from 13,520 mg/kg at the bottom of the pit, to 19,600 at 15 feet bgs, declining to 1,050 mg/kg at 35 feet bgs. At the clay layer at 37 feet bgs, the chloride concentration increased to 9,450 mg/kg. Below the clay layer at 39 feet bgs, the field chloride concentration was 1,600 mg/kg. The laboratory results for the 39 foot sample showed a concentration of 2,170 mg/kg chlorides.

Groundwater Gradient and Quality

At the request of Unit, Tetra Tech was onsite February 19, 2009 and June 25, 2009, to oversee the installation of three 2" monitor wells in the vicinity of the Pit. The three wells were installed to a depth of 60 feet bgs and completed with 30 feet of 0.02" slotted PVC (MW-1) and 20 feet of 0.02" slotted PVC (MW-2 and MW-3) installed at the bottom of the well borings. Following installation, the wells were gauged, developed and sampled for analysis of major anions/cations and TDS. Analytical results indicate chloride concentrations ranging from 1,110 mg/L in MW-2 to 4,140 mg/L in MW-1. The gauging and analytical data are presented in Tables 1 and 2. Laboratory analytical is presented in Appendix A. Based upon the data collected from MW-1, MW-2, and MW-3, the groundwater gradient in the vicinity of the Pit appears to be towards the west/northwest. MW-1 appears to be located essentially cross-gradient of the Pit.

Neither the New Mexico State Engineer's Office database nor the USGS database show any wells in Section 28, Township 22 South, Range 31 East. However, monitor wells installed at the site indicate groundwater depths ranging from approximately 46 to 49 feet below ground surface (bgs).



Assessment and Results

On October 26, 2009, Tetra Tech supervised the installation of five (5) soil borings (SB-1 through SB-5) in the center horseshoe section of the Pit in order to delineate chloride concentrations. See attached Figure 3. The area of the entire Pit measured approximately 120 feet by 120 feet, while the horseshoe section of the Pit measured 60 feet by 60 feet. Two sets of soil borings were placed on the west and east side of the horseshoe section, while one soil boring was placed in the center of the Pit. The soil boring logs are included in Appendix B.

The borings were installed using an air-rotary type drilling rig. The soil borings were extended to a maximum depth of 30 feet bgs and sampled in five foot intervals to a depth of 30 feet bgs. Each of the samples were collected and preserved in laboratory prepared sample containers with standard QA/QC procedures and were analyzed for chloride by method 4500 Cl-B. All samples were shipped under proper chain-of-custody control. The results of the sampling are shown in Table 1. The laboratory reports and chain-of-custody are included in Appendix A.

All down hole equipment was washed between boreholes or sampling events using a potable water and laboratory grade detergent. All down hole equipment (i.e., drill rods, drill bits, etc.) were thoroughly decontaminated between each use with a high-pressure hot water wash and rinse. Soil cuttings from drilling were stockpiled adjacent to the borehole. Following the completion of the drilling activities, all boreholes were grouted to the surface.

Referring to Table 1, chloride impacts were found throughout each of the five soil borings. The chloride sample concentrations ranged from 529 milligrams per kilogram (mg/kg) in soil boring SB-4 at 24-25 feet bgs to 12,800 mg/kg in soil boring SB-4 at 29-30 feet bgs.

Soil Capping and Conclusions

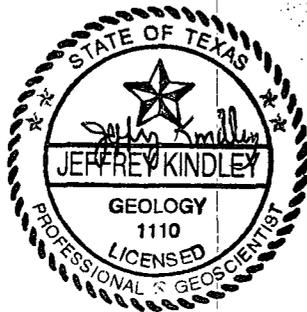
With the approval of Mr. Mike Bratcher of the NMOCD, Sweatt Construction, Inc (Sweatt) was onsite from November 3 to November 9, 2009, to excavate and remove soils in the Pit. The excavation with the Pit, measured approximately 30 feet by 20 feet by 5 feet deep between soil borings SB-2 and SB-3 and approximately 30 feet by 30 feet by 15 feet deep in the vicinity of soil boring SB-4 (See attached Figure 3 for site dimensions and Appendix D for site photographs). Upon completion of the excavation, the entire Pit measuring 120 feet by 120 feet was leveled and brought to within 5 feet below grade with overburden soils from the original pit excavation. The Pit area was then further extended out by 5 feet in each direction and a 40 mil polyethylene liner installed



TETRA TECH

at 5 feet bgs. Upon completion of the liner, the site was brought up to surface grade with clean fill soil. The fill soil was leveled, winnowed, and reseeded with BLM # 3 seed mixture. Approximately 670 cubic yards of chloride impacted soils from the excavated pit were transported offsite for disposal at Lea Land, Inc. of Carlsbad, New Mexico.

Based upon the pit closure work performed at the site, Unit Petroleum Company requests consideration of this pit for closure. If you require any additional information or have any questions or comments concerning the assessment/closure report, please call at (432) 682-4559.



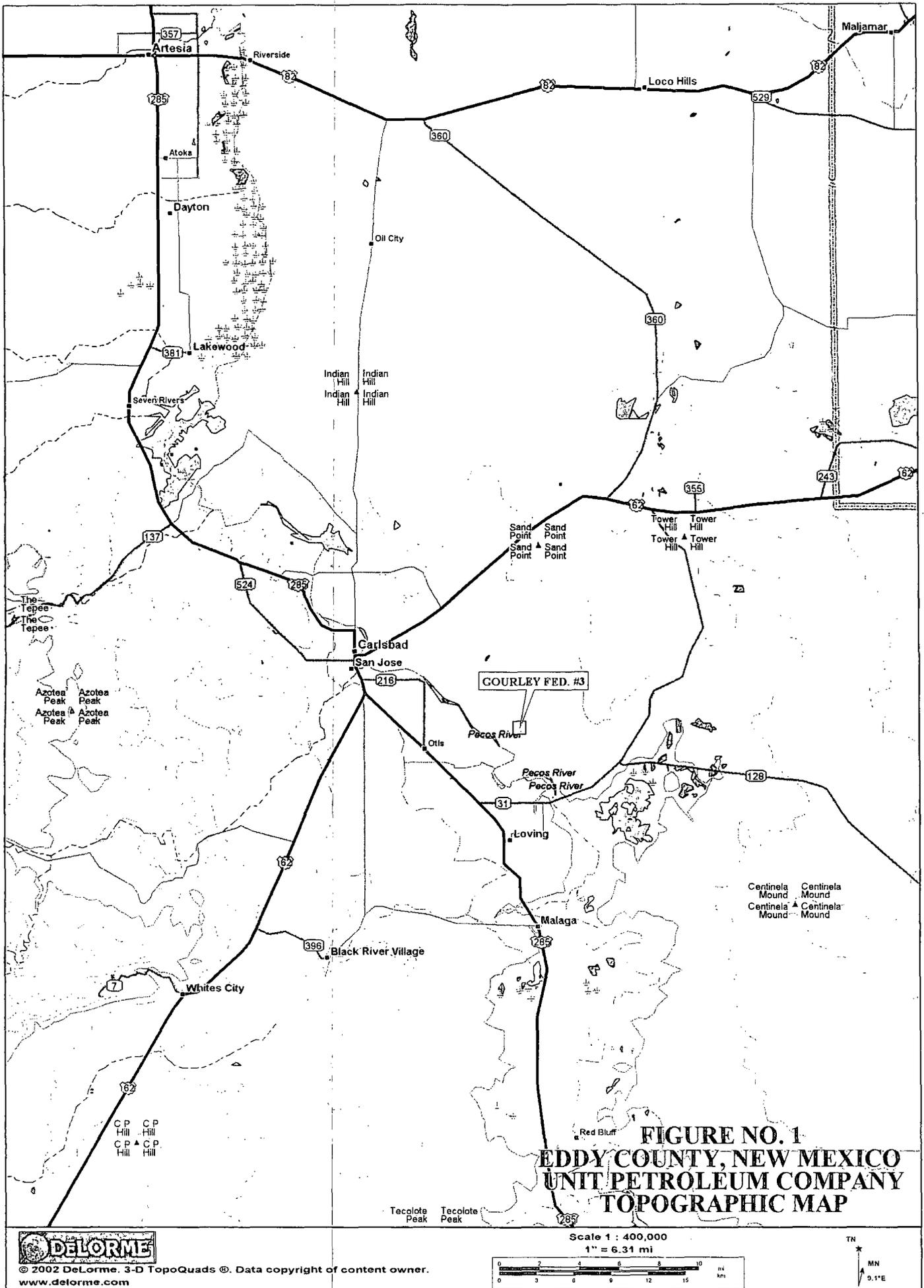
Respectfully submitted,
Tetra Tech


Jeffrey Kindley, P.G.

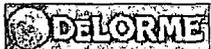
Senior Environmental Geologist

cc: Mike Bratcher – NMOCD – Carlsbad, NM

FIGURES



**FIGURE NO. 1
 EDDY COUNTY, NEW MEXICO
 UNIT PETROLEUM COMPANY
 TOPOGRAPHIC MAP**



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 www.delorme.com

Scale 1 : 400,000
 1" = 6.31 mi



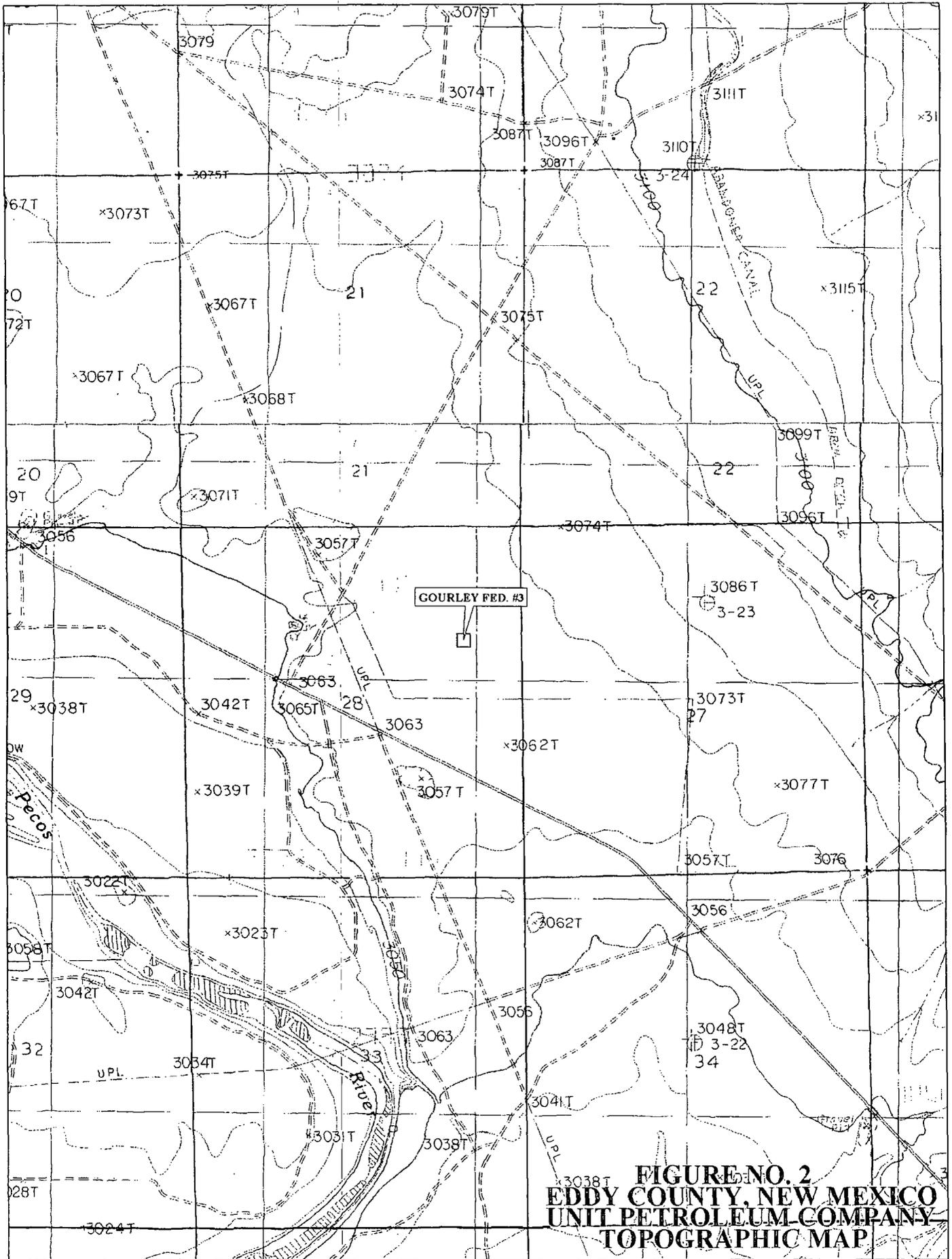
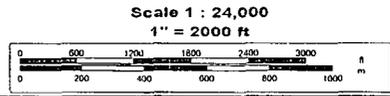
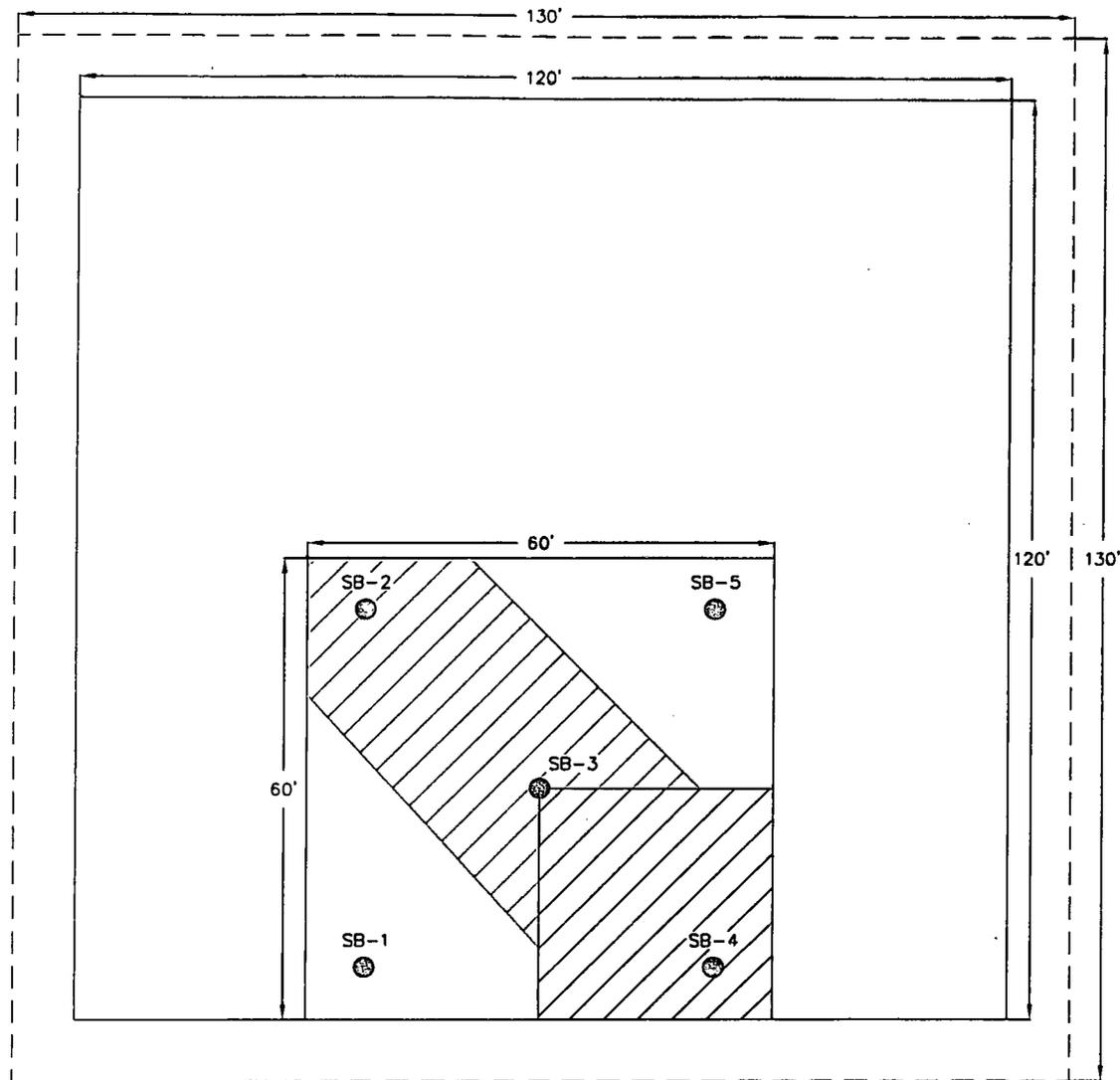


FIGURE NO. 2
EDDY COUNTY, NEW MEXICO
UNIT PETROLEUM COMPANY
TOPOGRAPHIC MAP



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 www.delorme.com





- AREA EXCAVATED TO 5'
- AREA EXCAVATED TO 15'
- SOIL BORING LOCATIONS
- EXTENT OF PIT (120' X 120')
- EXTENT OF LINER (130' X 130')

NOT TO SCALE

DATE:
6/16/09
DWN. BY:
JJ
FILE:
H:\UNIT\3654
GOURLEY FED #3 PDM

FIGURE NO. 3
EDDY COUNTY, NEW MEXICO
UNIT PETROLEUM COMPANY
GOURLEY FEDERAL #3
TETRA TECH, INC. MIDLAND, TEXAS

TABLE

Table 1
Unit Petroleum Corporation
Gourley Federal #3
Eddy County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
SB-1	10/26/09	4-5	X		4,570
	10/26/09	9-10	X		2,340
	10/26/09	14-15	X		2,360
	10/26/09	19-20	X		2,280
	10/26/09	24-25	X		584
	10/26/09	29-30	X		1,450
SB-2	10/26/09	4-5		X	5,030
	10/26/09	9-10	X		1,650
	10/26/09	14-15	X		3,570
	10/26/09	19-20	X		5,650
	10/26/09	24-25	X		4,570
	10/26/09	29-30	X		8,860
SB-3	10/26/09	4-5		X	5,230
	10/26/09	9-10		X	3,340
	06/12/09	14-15		X	2,530
	06/12/09	19-20	X		2,170
	06/12/09	24-25	X		4,580
	06/12/09	29-30	X		6,940
SB-4	10/26/09	4-5		X	4,020
	10/26/09	9-10		X	5,450
	10/26/09	14-15		X	5,610
	10/26/09	19-20	X		1,860
	10/26/09	24-25	X		866
	10/26/09	29-30	X		12,800
SB-5	10/26/09	4-5	X		2,180
	10/26/09	9-10	X		1,090
	10/26/09	14-15	X		945
	10/26/09	19-20	X		1,130
	10/26/09	24-25	X		529
	10/26/09	29-30	X		945

(-) Not Analyzed

APPENDIX A
LABORATORY ANALYTICAL

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite B Lubbock, Texas 79424 800•378•1796 806•794•1296 FAX 806•794•1296
 2001 East Sunset Road, Suite F El Paso, Texas 79922 889•589•3443 915•585•3443 FAX 915•585•3443
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6301
 6015 Harris Parkway Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Ike Tavarez
 Tetra Tech
 1910 N. Big Spring Street
 Midland, TX, 79705

Report Date: October 29, 2009

Work Order: 9102801



Project Location: Eddy Co., NM
 Project Name: Gourley Fed. #3
 Project Number: 115-6403654

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
213181	SB-1 (5')	soil	2009-10-26	00:00	2009-10-27
213182	SB-1 (10')	soil	2009-10-26	00:00	2009-10-27
213183	SB-1 (15')	soil	2009-10-26	00:00	2009-10-27
213184	SB-1 (20')	soil	2009-10-26	00:00	2009-10-27
213185	SB-1 (25')	soil	2009-10-26	00:00	2009-10-27
213186	SB-1 (30')	soil	2009-10-26	00:00	2009-10-27
213187	SB-2 (5')	soil	2009-10-26	00:00	2009-10-27
213188	SB-2 (10')	soil	2009-10-26	00:00	2009-10-27
213189	SB-2 (15')	soil	2009-10-26	00:00	2009-10-27
213190	SB-2 (20')	soil	2009-10-26	00:00	2009-10-27

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
213191	SB-2 (25')	soil	2009-10-26	00:00	2009-10-27
213192	SB-2 (30')	soil	2009-10-26	00:00	2009-10-27
213193	SB-3 (5')	soil	2009-10-26	00:00	2009-10-27
213194	SB-3 (10')	soil	2009-10-26	00:00	2009-10-27
213195	SB-3 (15')	soil	2009-10-26	00:00	2009-10-27
213196	SB-3 (20')	soil	2009-10-26	00:00	2009-10-27
213197	SB-3 (25')	soil	2009-10-26	00:00	2009-10-27
213198	SB-3 (30')	soil	2009-10-26	00:00	2009-10-27
213199	SB-4 (5')	soil	2009-10-27	00:00	2009-10-27
213200	SB-4 (10')	soil	2009-10-27	00:00	2009-10-27
213201	SB-4 (15')	soil	2009-10-27	00:00	2009-10-27
213202	SB-4 (20')	soil	2009-10-27	00:00	2009-10-27
213203	SB-4 (25')	soil	2009-10-27	00:00	2009-10-27
213204	SB-4 (30')	soil	2009-10-27	00:00	2009-10-27
213205	SB-5 (5')	soil	2009-10-27	00:00	2009-10-27
213206	SB-5 (10')	soil	2009-10-27	00:00	2009-10-27
213207	SB-5 (15')	soil	2009-10-27	00:00	2009-10-27
213208	SB-5 (20')	soil	2009-10-27	00:00	2009-10-27
213209	SB-5 (25')	soil	2009-10-27	00:00	2009-10-27
213210	SB-5 (30')	soil	2009-10-27	00:00	2009-10-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Gourley Fed. #3 were received by TraceAnalysis, Inc. on 2009-10-27 and assigned to work order 9102801. Samples for work order 9102801 were received intact at a temperature of 19.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	55329	2009-10-28 at 10:41	64786	2009-10-28 at 14:33
Chloride (Titration)	SM 4500-Cl B	55330	2009-10-28 at 10:42	64787	2009-10-28 at 14:34
Chloride (Titration)	SM 4500-Cl B	55331	2009-10-28 at 10:42	64788	2009-10-28 at 14:35

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9102801 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 213181 - SB-1 (5')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4570	mg/Kg	100	4.00

Sample: 213182 - SB-1 (10')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2340	mg/Kg	100	4.00

Sample: 213183 - SB-1 (15')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2360	mg/Kg	100	4.00

Sample: 213184 - SB-1 (20')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 Sample Preparation: 2009-10-28 Prepared By: AR

Report Date: October 29, 2009
115-6403654

Work Order: 9102801
Gourley Fed. #3

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Eddy Co., NM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2280	mg/Kg	100	4.00

Sample: 213185 - SB-1 (25')

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 64786
Prep Batch: 55329

Analytical Method: SM 4500-Cl B
Date Analyzed: 2009-10-28
Sample Preparation: 2009-10-28
Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		584	mg/Kg	50	4.00

Sample: 213186 - SB-1 (30')

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 64786
Prep Batch: 55329

Analytical Method: SM 4500-Cl B
Date Analyzed: 2009-10-28
Sample Preparation: 2009-10-28
Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1450	mg/Kg	50	4.00

Sample: 213187 - SB-2 (5')

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 64786
Prep Batch: 55329

Analytical Method: SM 4500-Cl B
Date Analyzed: 2009-10-28
Sample Preparation: 2009-10-28
Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5030	mg/Kg	100	4.00

Sample: 213188 - SB-2 (10')

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 64786
Prep Batch: 55329

Analytical Method: SM 4500-Cl B
Date Analyzed: 2009-10-28
Sample Preparation: 2009-10-28
Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Report Date: October 29, 2009
115-6403654

Work Order: 9102801
Gourley Fed. #3

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Eddy Co., NM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1650	mg/Kg	50	4.00

Sample: 213189 - SB-2 (15')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3570	mg/Kg	100	4.00

Sample: 213190 - SB-2 (20')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5650	mg/Kg	100	4.00

Sample: 213191 - SB-2 (25')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4570	mg/Kg	100	4.00

Sample: 213192 - SB-2 (30')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Report Date: October 29, 2009
115-6403654

Work Order: 9102801
Gourley Fed. #3

Page Number: 7 of 15
Eddy Co., NM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8860	mg/Kg	100	4.00

Sample: 213193 - SB-3 (5')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5230	mg/Kg	100	4.00

Sample: 213194 - SB-3 (10')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3340	mg/Kg	100	4.00

Sample: 213195 - SB-3 (15')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2530	mg/Kg	100	4.00

Sample: 213196 - SB-3 (20')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2170	mg/Kg	100	4.00

Sample: 213197 - SB-3 (25')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4580	mg/Kg	100	4.00

Sample: 213198 - SB-3 (30')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6940	mg/Kg	100	4.00

Sample: 213199 - SB-4 (5')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4020	mg/Kg	100	4.00

Sample: 213200 - SB-4 (10')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5450	mg/Kg	100	4.00

Sample: 213201 - SB-4 (15')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5610	mg/Kg	100	4.00

Sample: 213202 - SB-4 (20')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1860	mg/Kg	50	4.00

Sample: 213203 - SB-4 (25')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		866	mg/Kg	50	4.00

Sample: 213204 - SB-4 (30')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12800	mg/Kg	100	4.00

Sample: 213205 - SB-5 (5')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2180	mg/Kg	100	4.00

Sample: 213206 - SB-5 (10')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1090	mg/Kg	50	4.00

Sample: 213207 - SB-5 (15')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		945	mg/Kg	50	4.00

Sample: 213208 - SB-5 (20')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1130	mg/Kg	50	4.00

Sample: 213209 - SB-5 (25')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		529	mg/Kg	50	4.00

Sample: 213210 - SB-5 (30')

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 Sample Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		945	mg/Kg	50	4.00

Method Blank (1) QC Batch: 64786

QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 QC Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Method Blank (1) QC Batch: 64787

QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 QC Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Method Blank (1) QC Batch: 64788

QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 QC Preparation: 2009-10-28 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Laboratory Control Spike (LCS-1)

QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 QC Preparation: 2009-10-28 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<2.18	100	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.8	mg/Kg	1	100	<2.18	99	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 QC Preparation: 2009-10-28 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.3	mg/Kg	1	100	<2.18	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.1	mg/Kg	1	100	<2.18	99	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: October 29, 2009
115-6403654

Work Order: 9102801
Gourley Fed. #3

Page Number: 13 of 15
Eddy Co., NM

Laboratory Control Spike (LCS-1)

QC Batch: 64788 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55331 QC Preparation: 2009-10-28 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<2.18	100	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.7	mg/Kg	1	100	<2.18	100	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 213190

QC Batch: 64786 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55329 QC Preparation: 2009-10-28 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	15700	mg/Kg	100	10000	5650	100	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	15800	mg/Kg	100	10000	5650	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 213200

QC Batch: 64787 Date Analyzed: 2009-10-28 Analyzed By: AR
Prep Batch: 55330 QC Preparation: 2009-10-28 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	15600	mg/Kg	100	10000	5450	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	15700	mg/Kg	100	10000	5450	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: October 29, 2009
115-6403654

Work Order: 9102801
Gourley Fed. #3

Page Number: 14 of 15
Eddy Co., NM

Matrix Spike (MS-1) Spiked Sample: 213210

QC Batch: 64788
Prep Batch: 55331

Date Analyzed: 2009-10-28
QC Preparation: 2009-10-28

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11200	mg/Kg	100	10000	945	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11300	mg/Kg	100	10000	945	104	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 64786

Date Analyzed: 2009-10-28

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2009-10-28

Standard (CCV-1)

QC Batch: 64786

Date Analyzed: 2009-10-28

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2009-10-28

Standard (ICV-1)

QC Batch: 64787

Date Analyzed: 2009-10-28

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2009-10-28

Standard (CCV-1)

QC Batch: 64787

Date Analyzed: 2009-10-28

Analyzed By: AR

Report Date: October 29, 2009
115-6403654

Work Order: 9102801
Gourley Fed. #3

Page Number: 15 of 15
Eddy Co., NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2009-10-28

Standard (ICV-1)

QC Batch: 64788

Date Analyzed: 2009-10-28

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2009-10-28

Standard (CCV-1)

QC Batch: 64788

Date Analyzed: 2009-10-28

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2009-10-28

Order #: 9102801

Analysis Request of Chain of Custody Record

PAGE: 2 OF: 3



TETRA TECH

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

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

Unit Petroleum

SITE MANAGER:

Jeffrey Kindley

PROJECT NO.:

115-6403654

PROJECT NAME:

Gourley Federal # 3

LAB I.D. NUMBER

DATE

TIME

MATRIX
COMP.
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)
HCL
HNO3
ICE
NONE

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

ICPRA Metals Ag As Ba Cd Cr Pb Hg Se

ICLPL Metals Ag As Ba Cd Vt Pd Hg Se

ICLPL Volatiles

ICLPL Semi Volatiles

FCI

GC-MS Vol. 8240/8260/624

GC-MS Semi. Vol. 8270/625

PCB's 8080/608

Pest. 802/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

213191

10/26/09

S

✓

SB-2 (25')

1

✓

192

10/26/09

S

✓

SB-2 (30')

1

✓

193

10/26/09

S

✓

SB-3 (5')

1

✓

194

10/26/09

S

✓

SB-3 (10')

1

✓

195

10/26/09

S

✓

SB-3 (15')

1

✓

196

10/26/09

S

✓

SB-3 (20')

1

✓

197

10/26/09

S

✓

SB-3 (25')

1

✓

198

10/24/09

S

✓

SB-3 (30')

1

✓

199

10/21/09

S

✓

SB-4 (5')

1

</

Order #: 9102801

Analysis Request of Chain of Custody Record

PAGE: 3 OF: 3



TETRA TECH

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

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

Unit Petroleum

SITE MANAGER:

Jeffrey Kindley

PROJECT NO.:

115-6403654

PROJECT NAME:

Gourley Federal #3

LAB I.D. NUMBER

DATE

TIME

MATRIX

COMP.

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)

PRESERVATIVE METHOD

HCL

HNO3

ICE

NONE

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Vr Pd Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/608

Pest 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

213201

10/27/09

S

✓

SB-4 (15')

1

✓

202

10/27/09

S

✓

SB-4 (20')

1

✓

203

10/27/09

S

✓

SB-4 (25')

1

✓

204

10/27/09

S

✓

SB-4 (30')

1

✓

205

10/27/09

S

✓

SB-5 (5')

1

✓

206

10/27/09

S

✓

SB-5 (10')

1

✓

207

10/27/09

S

✓

SB-5 (15')

1

✓

208

10/27/09

S

✓

SB-5 (20')

1

✓

209

10/27/09

S

✓

SB-5 (25')

1

✓

210

10/27/09

S

✓

SB-5 (30')

1

✓

RELINQUISHED BY: (Signature)

John Kindley

Date: 10/27/09

Time: 1300

RECEIVED BY: (Signature)

Jeffrey Kindley

Date: 10/27/09

Time: 1300

SAMPLED BY: (Print & Initial)

Jeffrey Kindley JAK

Date: Oct 27, 2009

Time:

RELINQUISHED BY: (Signature)

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX
HAND DELIVERED

AIRBILL #:

OTHER:

TETRA TECH CONTACT PERSON:

Jeffrey Kindley

Results by:

RUSH Charges Authorized:
Yes No

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

SAMPLE CONDITION WHEN RECEIVED:

19.0°C intact

REMARKS:

APPENDIX B
SOIL BORING LOGS

SAMPLE LOG

Boring/Well: SB-1
Project Number: 3654
Client: Unit Petroleum Company
Site Location: Gourley Federal #3
Location: Eddy County, New Mexico
Total Depth: 30
Date Installed: 10/26/09

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	--	Backfill of sand/gravel and limestone
5-10	--	Tan fine grain sand with gravel (backfill)
10-15	--	Tan fine grain sand
15-20	--	Tan coarse grain sand
20-25	--	Tan fine grain sand
25-30	--	Tan coarse grain sand

Total Depth is 30 feet

No groundwater was encountered during drilling.

SAMPLE LOG

Boring/Well: SB-2
Project Number: 3654
Client: Unit Petroleum Company
Site Location: Gourley Federal #3
Location: Eddy County, New Mexico
Total Depth: 30
Date Installed: 10/26/09

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	--	Backfill of sand with brown silt intermixed
5-10	--	Tan fine grain sand
10-15	--	Tan fine grain sand
15-20	--	Tan fine grain sand
20-25	--	Tan gravelly sand
25-30	--	Red sandy clay

Total Depth is 30 feet

No groundwater was encountered during drilling.

SAMPLE LOG

Boring/Well: SB-3
Project Number: 3654
Client: Unit Petroleum Company
Site Location: Gourley Federal #3
Location: Eddy County, New Mexico
Total Depth: 30
Date Installed: 10/26/09

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	--	Tan fine grain sand
5-10	--	Tan fine grain sand with limestone
10-15	--	Tan fine grain sand
15-20	--	Tan fine grain sand
20-25	--	Tan medium grain sand
25-30	--	Tan fine grain sand

Total Depth is 30 feet

No groundwater was encountered during drilling.

SAMPLE LOG

Boring/Well: SB-4
Project Number: 3654
Client: Unit Petroleum Company
Site Location: Gourley Federal #3
Location: Eddy County, New Mexico
Total Depth: 30
Date Installed: 10/27/09

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	--	Tan fine grain sand
5-10	--	Tan fine grain sand with limestone
10-15	--	Tan fine grain sand
15-20	--	Tan fine grain sand
20-25	--	Tan medium grain sand
25-30	--	Tan fine grain sand

Total Depth is 30 feet No groundwater was encountered during drilling.

SAMPLE LOG

Boring/Well: SB-5
Project Number: 3654
Client: Unit Petroleum Company
Site Location: Gourley Federal #3
Location: Eddy County, New Mexico
Total Depth: 30
Date Installed: 10/27/09

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5	--	Tan fine grain calcareous sand
5-10	--	Tan fine grain calcareous sand
10-15	--	Tan fine grain sand
15-20	--	Tan fine grain sand
20-25	--	Tan fine grain sand
25-30	--	Tan fine grain sand

Total Depth is 30 feet

No groundwater was encountered during drilling.

APPENDIX C
INITIAL/FINAL C-141 & C-144

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	Unit Petroleum Company	Contact	Skip L. Wedel
Address	7130 S. Lewis Ave. Ste. 1000	Telephone No.	(918) 477-4574
Facility Name	Gourley Federal 003 Q	Facility Type	Production
Surface Owner	BLM	Mineral Owner	BLM
		Lease No.	NM-26684-A

LOCATION OF RELEASE

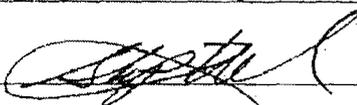
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	28	22S	28E	1650	North	810 Feet	East	Eddy

Latitude 32° 22' 0.48" N Longitude 104° 5' 12.91" W

NATURE OF RELEASE

Type of Release	Drilling fluids contained in reserve pit	Volume of Release	Volume Recovered
Source of Release	Drilling activity	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.*			
Describe Area Affected and Cleanup Action Taken.*			
<p>Samples were taken from the pit bottom material which contain chloride levels above 500 mg/kg. Groundwater samples collected up gradient from the pit and south of the pit indicate seemingly elevated background chloride levels in the area. Unit Petroleum Company is working with OCD to develop an approved plan to address the chloride levels in the center of the pit.</p>			
<p>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.</p>			

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:		
Printed Name: Skip L. Wedel, CSP	Approval Date:	Expiration Date:	
Title: Manager - Safety, Health, Environment	Conditions of Approval:		
E-mail Address: skip.wedel@unitcorp.com			Attached <input type="checkbox"/>
Date: June 2, 2009	Phone: (918) 477-4574		

* Attach Additional Sheets If Necessary

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 June 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: Unit Petroleum Company	Contact: Skip L. Wedel
Address: 7130 S. Lewis Ave. Ste. 1000	Telephone No. (918) 477-4574
Facility Name: Gourley Federal #3	Facility Type: Production

Surface Owner BLM	Mineral Owner BLM	Lease No. NM-26684-A
-------------------	-------------------	----------------------

LOCATION OF RELEASE

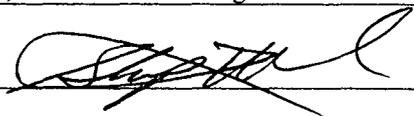
Unit Letter	Section\	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	28	22S	28E	1650	North	810	East	Eddy

Latitude 32° 22' 0.48"N Longitude 104° 05' 12.91"W

NATURE OF RELEASE

Type of Release Drilling fluids contained in pit	Volume of Release	Volume Recovered
Source of Release Drilling activity	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.*		
Describe Area Affected and Cleanup Action Taken.* Five soil borings were installed in horseshoe area of pit. Upon completion, two areas measuring 30' x 20' x 5' and 30' x 30' x 15' were excavated and approximately 670 cubic yards of soil transported offsite. Site was leveled, brought up to 5 feet bgs and a 40 mil liner measuring 130' x 130' installed over former pit area. Upon completion of liner, clean soils were placed in pit, brought up to surface grade and reseeded with BLM #3 seed mixture.		
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: 	Approved by District Supervisor:	
Printed Name: Skip L. Wedel, CSP	Approval Date:	Expiration Date:
Title: Manager-Safety, Health, Environment	Conditions of Approval:	
E-mail Address: skip.wedel@unitcorp.com	Attached <input type="checkbox"/>	
Date: 11/20/09 Phone: (918) 477-4574		

* Attach Additional Sheets If Necessary

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 87400
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No

Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank

Month - Year
APR 23 2007
OCD - ARTESIA, NM

Operator: Unit PET Telephone: 432-685-9020 mail address: _____
 Address: 407 N. Big Spring St. STE 101 Midland TX 79701
 Facility or well name: Gourley Fed 3 API #: 30015 32 40 3 U/L or Qtr/Qtr SW/NE Sec 28 T 22S R 23E
 County: Eddy Latitude _____ Longitude _____ NAD: 1927 1983
 Surface Owner: Federal State Private Indian

Pit	Below-grade tank
Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) <u>0</u> <u>100 feet or more</u> (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) <u>No</u> (0 points) <u>0</u>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) <u>0</u> <u>1000 feet or more</u> (0 points)
Ranking Score (Total Points) <u>0</u>	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite offsite If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No Yes If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: SWENTH CONST. plan to trench bury the drilling pit at the Gourley Fed #3. As per rule 50 of Pit and Below-Grade TANK Guidelines, we will line the trench with 12 mil liner and bury pit contents and liner then COVER with 20 mil plastic. We will cap with 3' of NATIVE MATERIAL capable of supporting native plant growth. We will contour the pit AREA to PREVENT EROSION and ponding of RAIN WATER outside the site

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Date: 4-23-04
Printed Name/Title: Brad Larson / Agent Signature: Brad Larson

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Notify OCD 24 hours prior to beginning pit closure

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back-filling

Date: 4/24/07

Approval: Victor W. Green
District II Supervisor

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

- Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Modification to an existing permit
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Unit Petroleum Corporation OGRID #: _____
Address: 7130 South Lewis Avenue, Suite 1000, Tulsa, OK 74136
Facility or well name: Gourley Federal #3 Well
API Number: 30-015-34152 OCD Permit Number: _____
U/L or Qtr/Qtr H Section 28 Township T-22-S Range R-28-E County: Eddy
Center of Proposed Design: Latitude 32.36611 N Longitude 104.08717 W NAD: 1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
 Permanent Emergency Cavitation P&A
 Lined Unlined Liner type: Thickness 40 mil LLDPE HDPE PVC Other _____
 String-Reinforced
Liner Seams: Welded Factory Other _____ Volume: _____ bbl Dimensions: L 120 x W 120 x D 5

3.
 Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
 Drying Pad Above Ground Steel Tanks Haul-off Bins Other _____
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
Liner Seams: Welded Factory Other _____

4.
 Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: _____ bbl Type of fluid: _____
Tank Construction material: _____
 Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
 Visible sidewalls and liner Visible sidewalls only Other _____
Liner type: Thickness _____ mil HDPE PVC Other _____

5.
 Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

Fencing: Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

- Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- Four foot height, four strands of barbed wire evenly spaced between one and four feet
- Alternate. Please specify _____

7.

Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

- Screen Netting Other _____
- Monthly inspections (If netting or screening is not physically feasible)

8.

Signs: Subsection C of 19.15.17.11 NMAC

- 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- Signed in compliance with 19.15.3.103 NMAC

9.

Administrative Approvals and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

- Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
- Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to permanent pits</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11. **Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC

Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC

Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC

Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC

Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12. **Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9

Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC

Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC

Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC

Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: _____

Previously Approved Operating and Maintenance Plan API Number: _____ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13. **Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC

Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

Climatological Factors Assessment

Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC

Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC

Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC

Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC

Quality Control/Quality Assurance Construction and Installation Plan

Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC

Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC

Nuisance or Hazardous Odors, including H₂S, Prevention Plan

Emergency Response Plan

Oil Field Waste Stream Characterization

Monitoring and Inspection Plan

Erosion Control Plan

Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14. **Proposed Closure:** 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative

Proposed Closure Method: Waste Excavation and Removal

Waste Removal (Closed-loop systems only)

On-site Closure Method (Only for temporary pits and closed-loop systems)

In-place Burial On-site Trench Burial

Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15. **Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)

Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

Yes (If yes, please provide the information below) No

Required for impacted areas which will not be used for future service and operations:

Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

- Ground water is less than 50 feet below the bottom of the buried waste.
 - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Yes No
 NA
- Ground water is between 50 and 100 feet below the bottom of the buried waste
 - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Yes No
 NA
- Ground water is more than 100 feet below the bottom of the buried waste.
 - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Yes No
 NA
- Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).
 - Topographic map; Visual inspection (certification) of the proposed site Yes No
- Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.
 - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Yes No
- Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.
 - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site Yes No
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.
 - Written confirmation or verification from the municipality; Written approval obtained from the municipality Yes No
- Within 500 feet of a wetland.
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Yes No
- Within the area overlying a subsurface mine.
 - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division Yes No
- Within an unstable area.
 - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map Yes No
- Within a 100-year floodplain.
 - FEMA map Yes No

18.

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.
Operator Application Certification:
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

20.
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: _____ Approval Date: _____

Title: _____ OCD Permit Number: _____

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

Closure Completion Date: 10-15-09

22.
Closure Method:
 Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
 If different from approved plan, please explain.

23.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

• Disposal Facility Name: Lea Land, Inc. Disposal Facility Permit Number: WM-01-035

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?
 Yes (If yes, please demonstrate compliance to the items below) No

Required for impacted areas which will not be used for future service and operations:

Site Reclamation (Photo Documentation)
 Soil Backfilling and Cover Installation
 Re-vegetation Application Rates and Seeding Technique

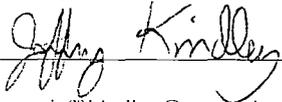
24.
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.

Proof of Closure Notice (surface owner and division)
 Proof of Deed Notice (required for on-site closure)
 Plot Plan (for on-site closures and temporary pits)
 Confirmation Sampling Analytical Results (if applicable)
 Waste Material Sampling Analytical Results (required for on-site closure)
 Disposal Facility Name and Permit Number
 Soil Backfilling and Cover Installation
 Re-vegetation Application Rates and Seeding Technique
 Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 32.36611 N Longitude 104.08717 W NAD: 1927 1983

25.
Operator Closure Certification:
 I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Jeffrey Kindley, P.G., Tetra Tech, Inc. (Agent for Unit Petroleum Corp.) Title: Sr. PM

Signature:  Date: 11-10-09

e-mail address: jeff.kindley@tetratech.com Telephone: 432-682-4559

APPENDIX D
SITE PHOTOGRAPHS

**Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico**



Photo 1: Removal of impacted soils.



Photo 2: Excavated impacted soils.

**Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico**

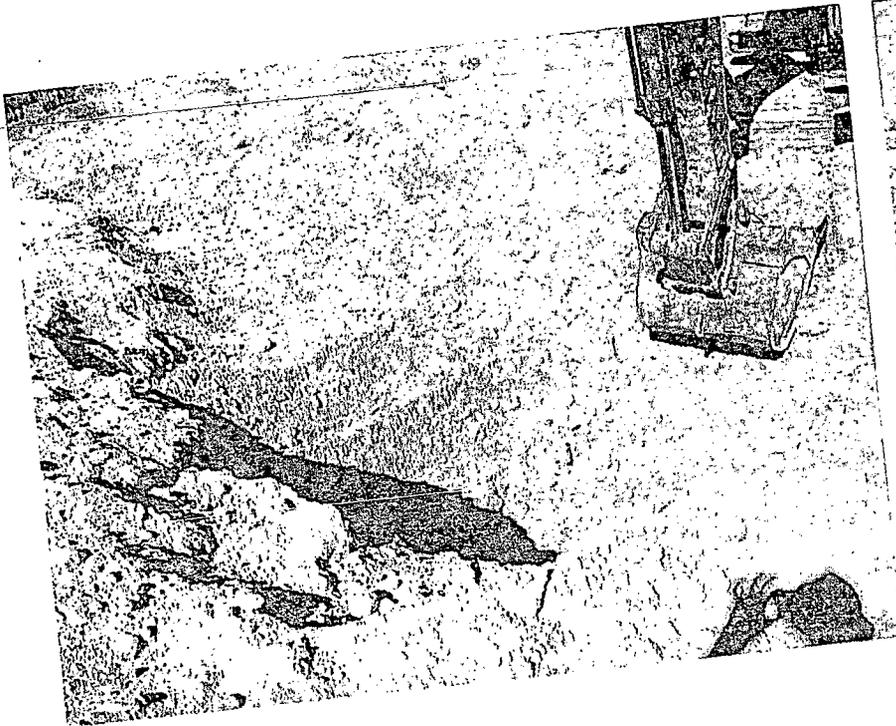


Photo 3: Excavation of impacted soils.

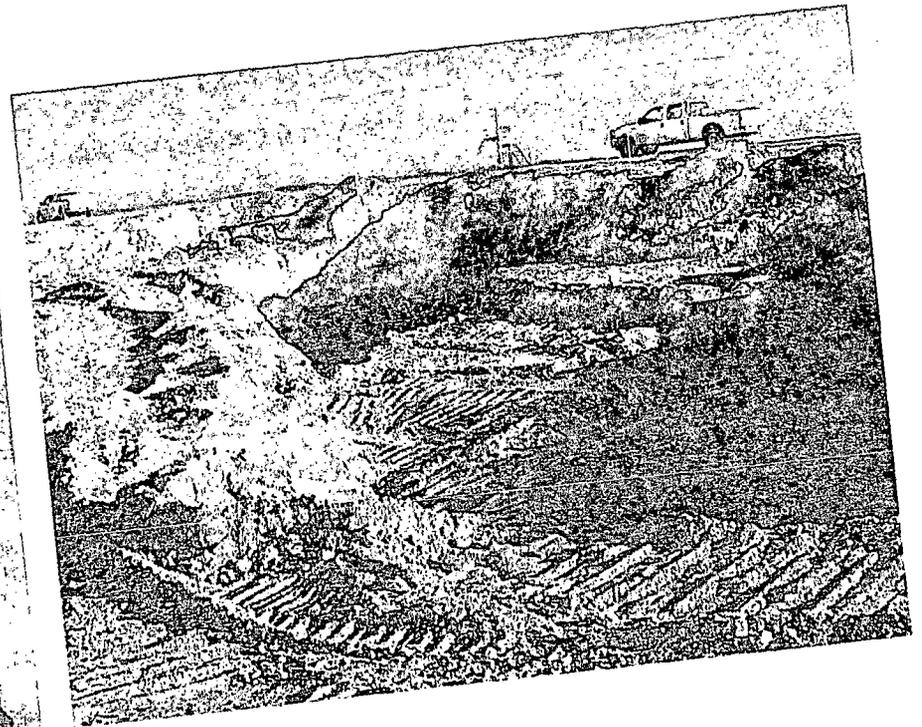


Photo 4: View of pit after removal of impacted soils.

**Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico**

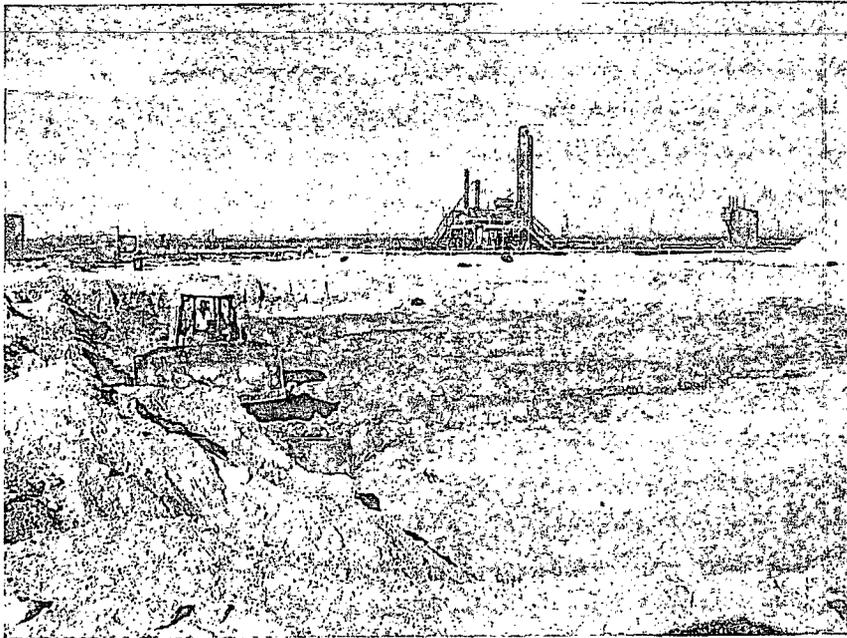


Photo 5: Leveling of soils for preparation of laying liner.

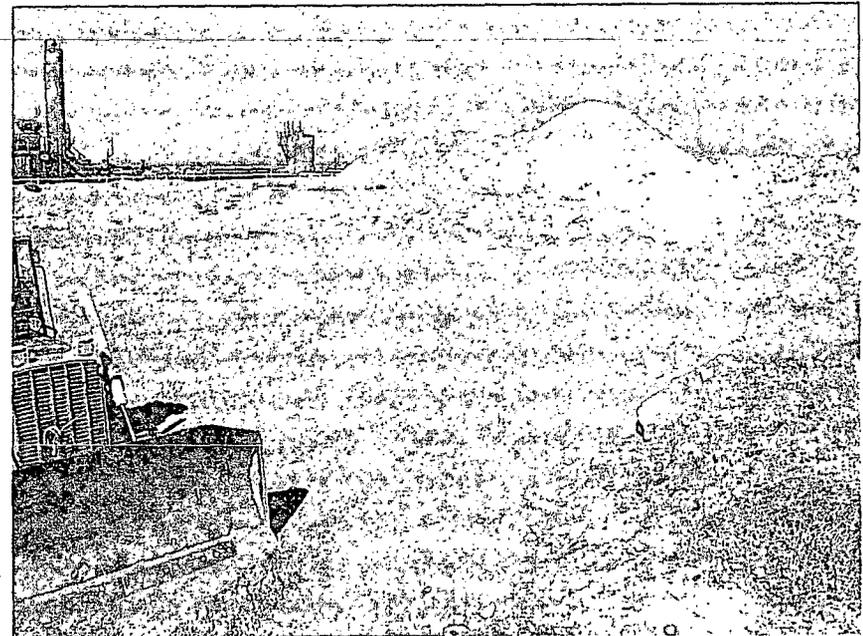


Photo 6: Completed leveling of soils at 5 feet below grade.

**Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico**

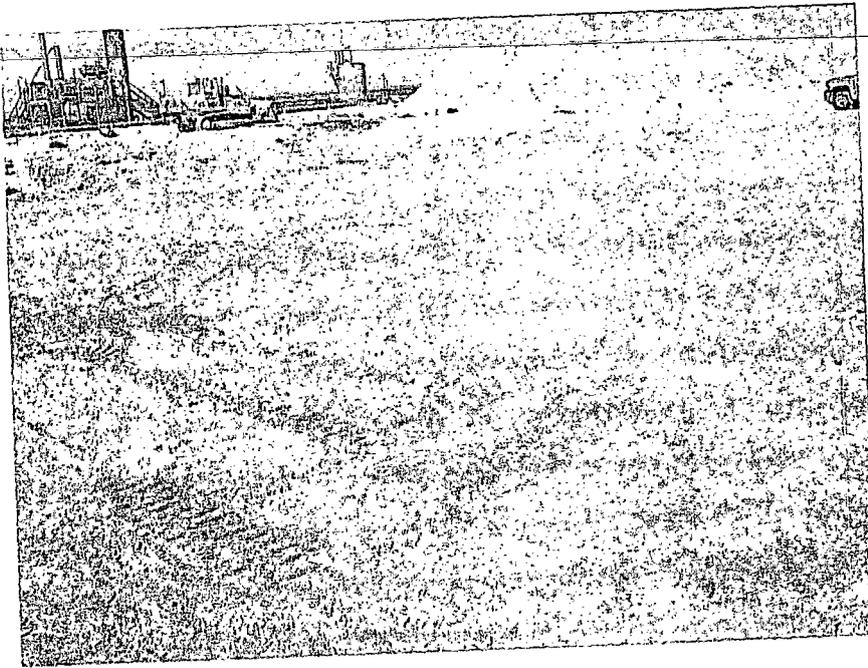


Photo 7: Completed leveling of site for placement of liner.

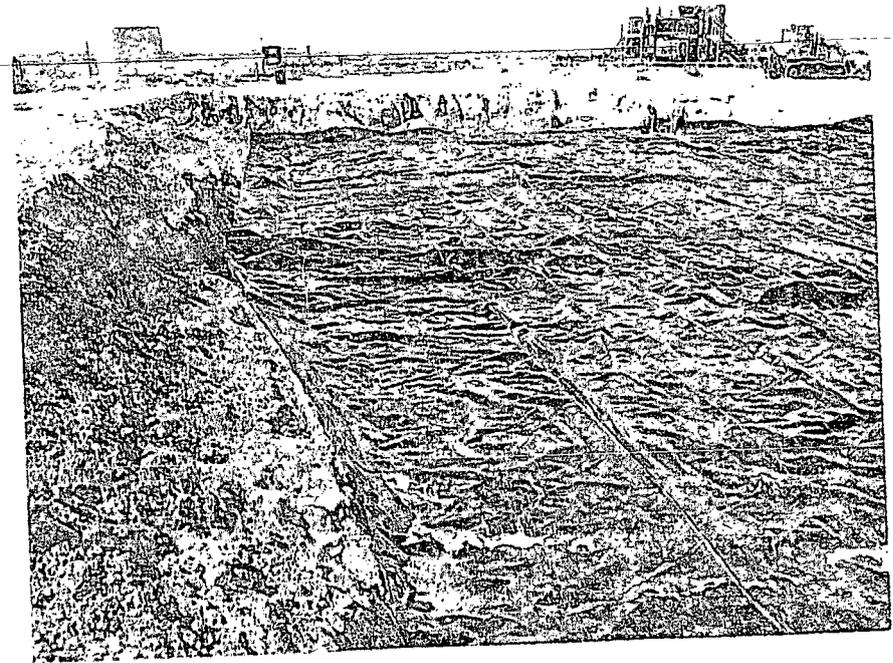


Photo 8: Placement of liner at 5 feet below grade.

**Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico**

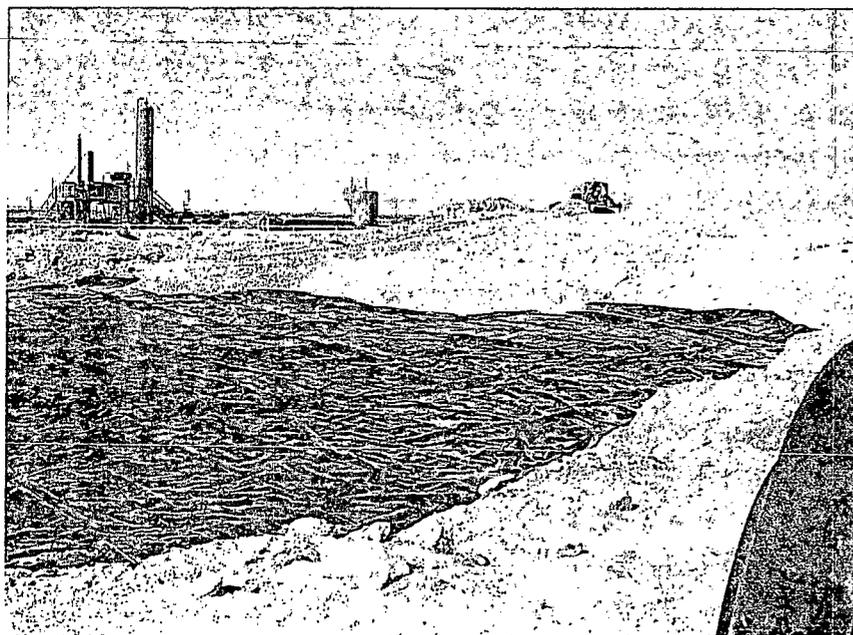


Photo 9: Backfilling site over liner.

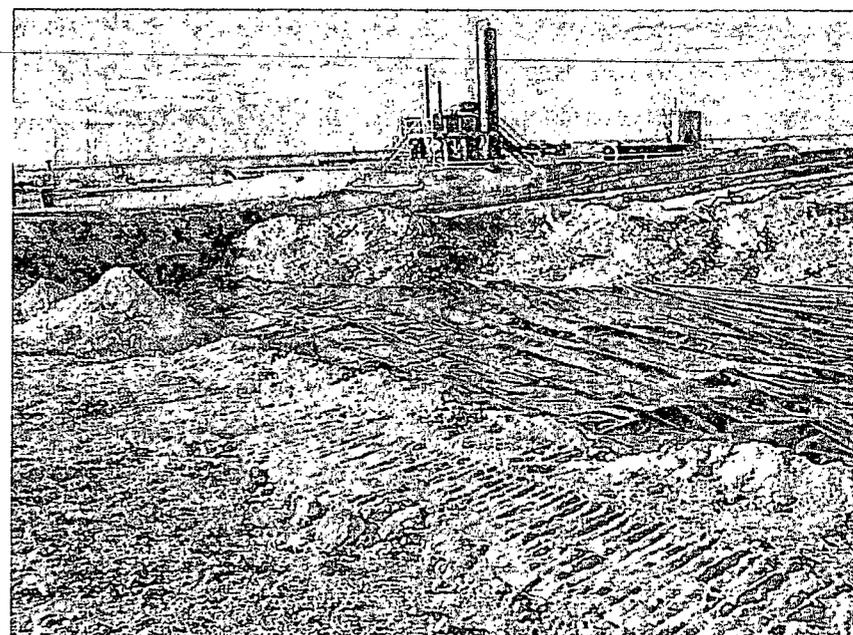


Photo 10: Backfilling site over line.

**Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico**

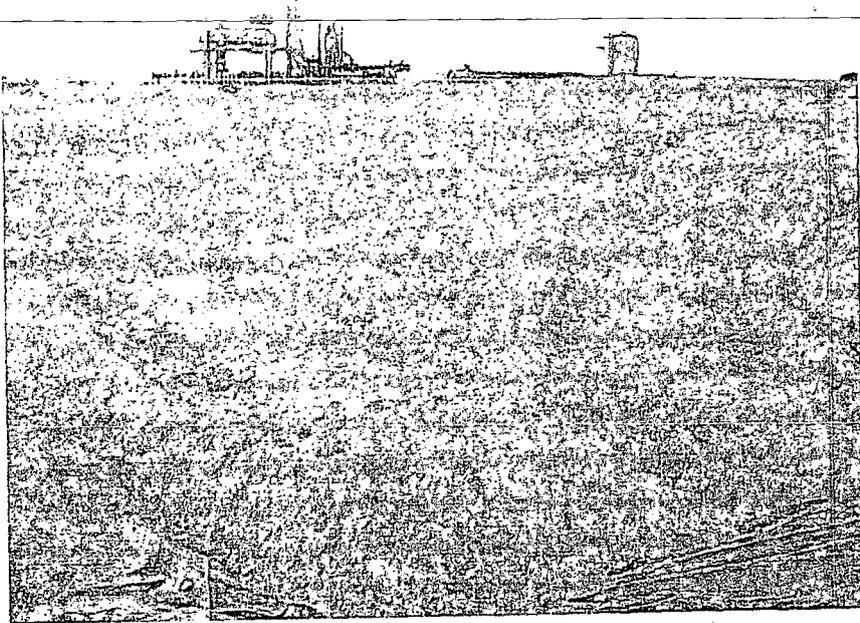


Photo 11: Backfilled material over liner.

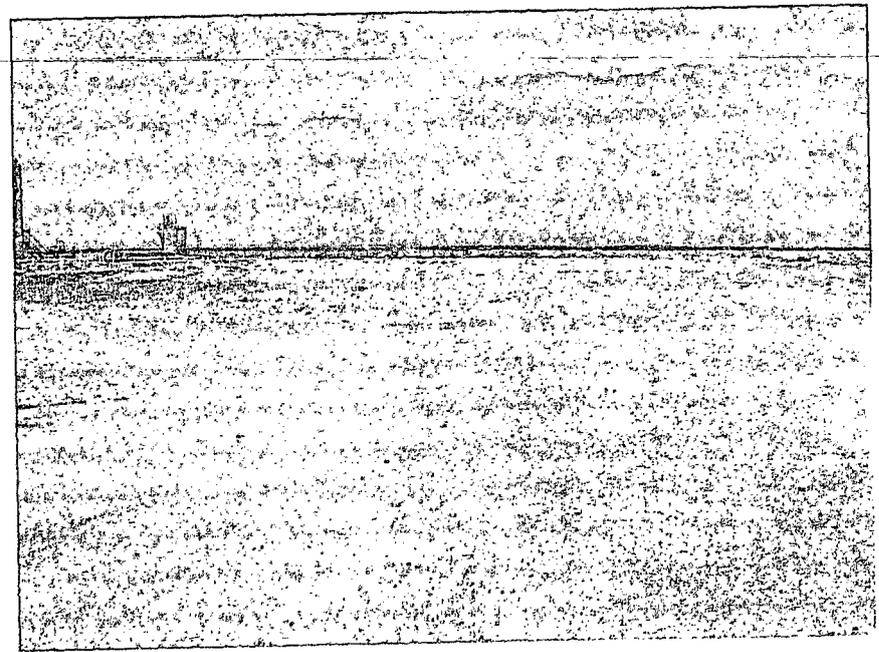


Photo 12: Completed backfill to 2 feet below ground surface.

Unit Petroleum Corporation
Gourley Federal #3 Well Site
Eddy County, New Mexico

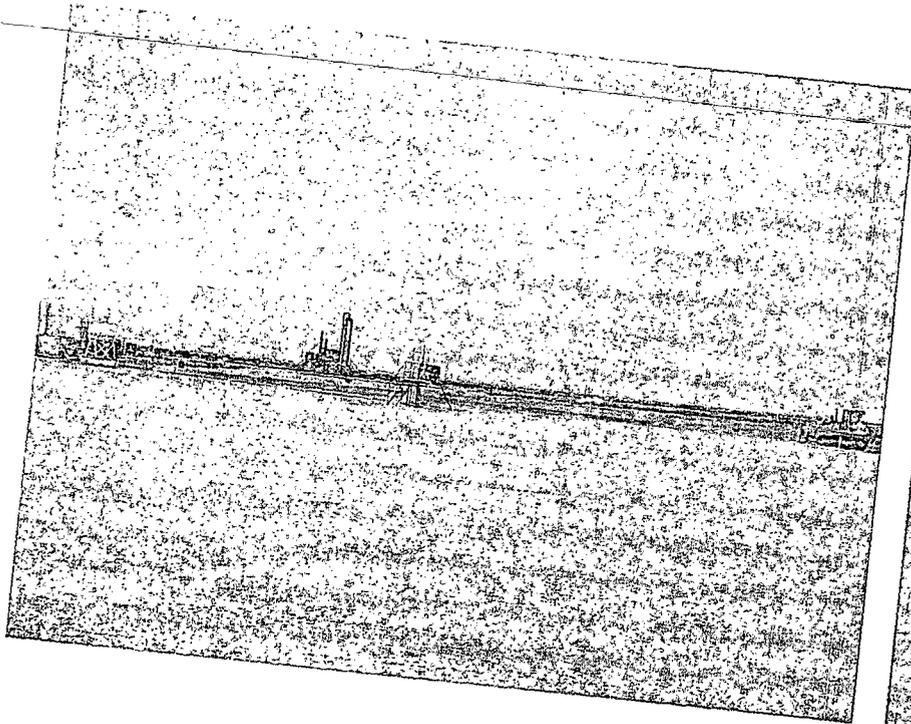


Photo 13: Completed backfilling of site.

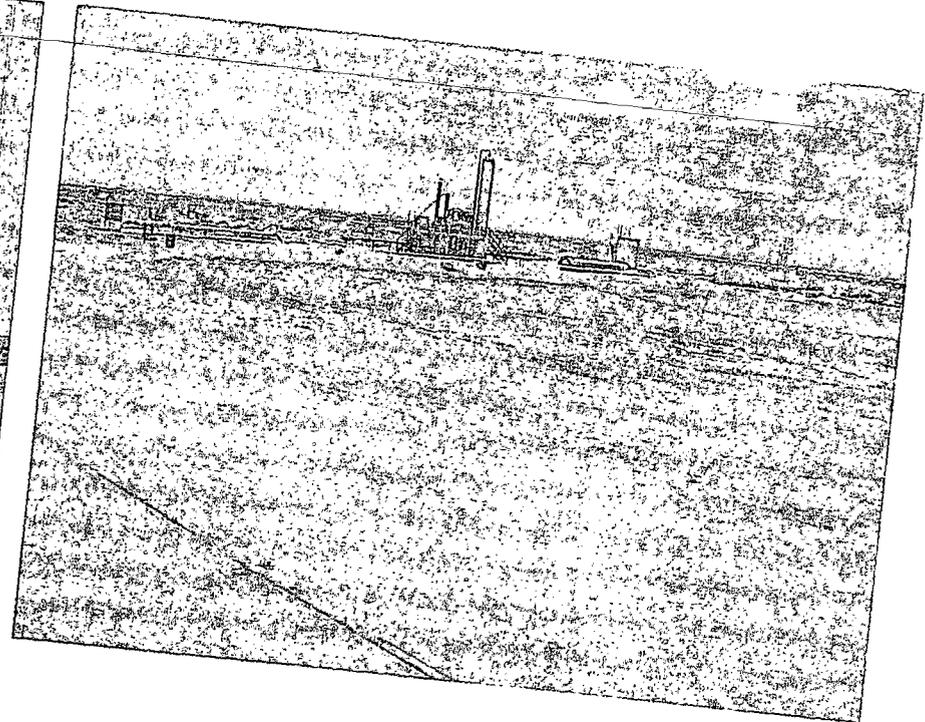


Photo 14: Completed backfilling of site.

**Unit Petroleum Company
Gourley Federal #3 Well Site
Eddy County, New Mexico**

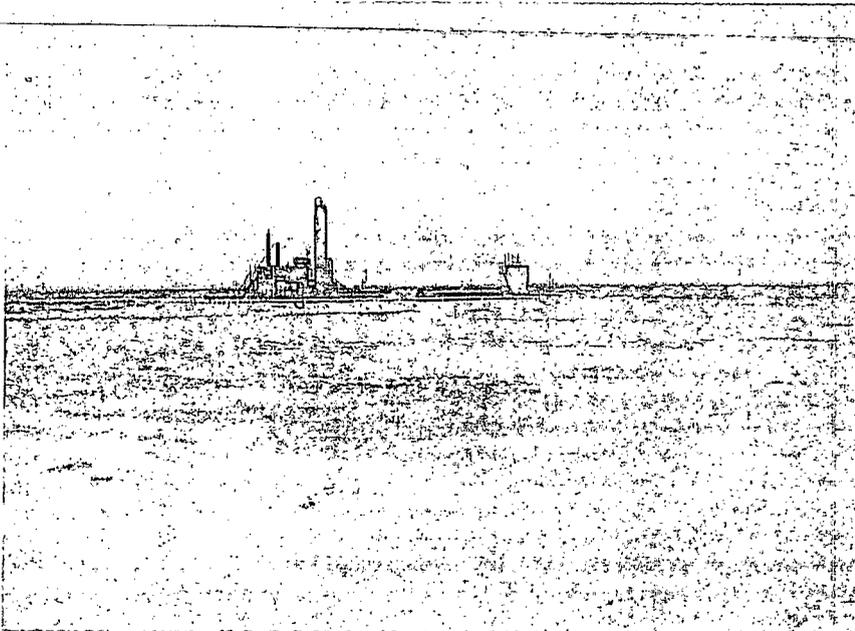


Photo 15: Completed backfilling of site.

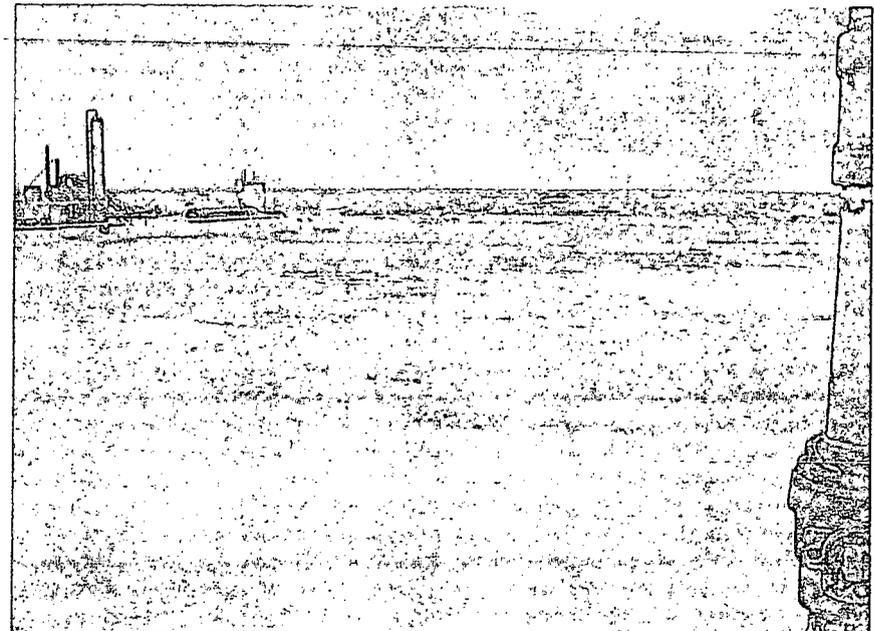


Photo 16: Completed backfilling of site.