CLOSURE REPORT

STATE C-20 BATTERY RELEASE SITE

REF: 150006

COMPANY # 217817

UL-L (NW¼ OF THE NE¼) OF SECTION 20 T21S R36E

~8 MILES WEST-NORTHWEST OF EUNICE

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 27' 45.1" **LONGITUDE: W 103° 17' 27.0"**

APRIL 2006

PREPARED BY:

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NEW MEXICO 88231

PREPARED FOR:

ConocoPhillips

Facility - fPAC0614450970

Incident - nPAC0614451084
application - pPAC0614451428

LETTER OF TRANSMITTAL

ENVIRONMENTAL PLUS, INC.

Date:	May 15, 2006
To:	**Larry Johnson**
Company Name:	**New Mexico Oil Conservation Division – Hobbs**
Address:	1625 French Drive
City / State / Zip:	Hobbs, New Mexico 88240
From:	Jason Stegemoller
CC:	Thaddeus Kostrubala, NMSLO – Sante Fe, NM; Myra Meyers, NMSLO – NMSLO – Hobbs, NM; C. John Coy, ConocoPhillips – Hobbs, NM; John Abney, ConocoPhillips – Hobbs, NM; File
Project #:	150006
Project Name:	ConocoPhillips – State C-20 Tank Battery
Subject:	**Closure Report**

# of originals	# of copies	Description
	1	ConocoPhillips – State C-20 Tank Battery – Closure Report

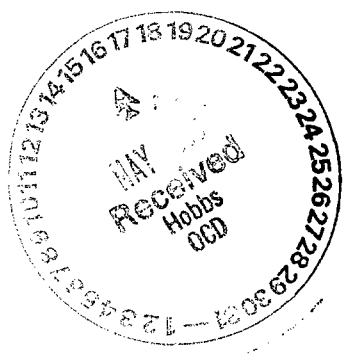
Remarks

Dear Mr. Johnson:

Enclosed is the Closure Report for the ConocoPhillips – State C-20 Tank Battery. Should you have any questions or concerns, please feel free to contact Iain Olness or me at (505) 394-3481.

Sincerely,

Jason Stegemoller



P. O. Box 1558
Eunice, NM 88240
(505) 394-3481
Fax: (505) 394-2601

Distribution List

ConocoPhillips – State C-20 Tank Battery

(Ref.: 150006)

Name	Title	Company or Agency	Mailing Address	E-Mail
Larry Johnson	Environmental Engineer	NMOCD – Hobbs	1625 French Drive Hobbs, NM 88240	larry.johnson@state.nm.us
Thaddeus Kostrubala	Environmental Engineer	New Mexico State Land Office- Sante Fe	P.O. Box 1148 Sante Fe, NM 87504-1148	tkostrubala@slo.state.nm.us
Myra Meyers	District Resource Manager	New Mexico State Land Office-Hobbs	2702 N. Grimes, Suite D Hobbs, NM 88240	mmeyers@slo.state.nm.us
C. John Coy	Operations Supervisor	ConocoPhillips-Hobbs	1410 West County Road Hobbs, NM 88240	c-john.coy@conocophillips.com
John Abney	S.H.E.A.R. Specialist	ConocoPhillips-Hobbs	1410 West County Road Hobbs, NM 88240	john.h.abney@conocophillips.com
File	--	Environmental Plus, Inc.	P.O. Box 1558 Eunice, NM 88231	iolness@envplus.net

STANDARD OF CARE

Closure Report

ConocoPhillips-State C-20 Battery

Ref. # 150006

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February 1993), and the Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan.* The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental and/or the natural sciences.

This report was prepared by:

Jason Stegemoller 15 May 2006

Jason Stegemoller, M.S. Date

Environmental Scientist

This report was reviewed by:

Iain A. Olness 15 May 2006

Iain A. Olness, P.G. Date

Technical Manager

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Project Synopsis

Site Specific:

- **Company Name:** ConocoPhillips
- **Facility Name:** State C-20 Battery Release Site
- **Project Reference:** 150006
- **Company Contacts:** John Abney
- **Site Location:** WGS84 N32° 27' 45.1"; W103° 17' 27.0"
- **Legal Description:** Unit Letter L, (NW¼ of the SW¼), Section 20, T21S, R36E
- **General Location:** ~ 8-miles West-Northwest of Eunice, New Mexico
- **Elevation:** 3,636-ft amsl **Depth to Ground Water**: ~200-ft
- **Land Ownership:** State of New Mexico (leased by DASCO Cattle Company)
- **EPI Personnel:** Project Consultant – Iain Olness
  Site Foreman – Joe Gatts

Release Specific:

- **Product Released:** Production Fluid
- **Volume Released:** ≈32-bbl reported **Volume Recovered:** ≈30-bbl
- **Time of Occurrence:** 27-September-2004 **Time of Discovery:** 27-September-2004
- **Release Source:** Air compressor lost power causing pneumatically operated water dump valve to open.
- **Initial Surface Area Affected:** 16,560-ft^2

Remediation Specific:

- **Final Vertical extent of contamination:** 5-ft bgs;
- **Remaining depth to ground water:** >100-ft
- **Water wells within 1,000-ft:** 0 **Surface water bodies within 1,000-ft:** 0
- **NMOCD Site Ranking Index**: 0 points (>100-ft to top of water table)
- **Remedial goals for Soil:** TPH – 5,000 mg/kg; BTEX – 50 mg/kg; Benzene – 10 mg/kg
- **RCRA Waste Classification:** Exempt
- **Remediation Option Selected:** a) Excavation of contaminated soil above NMOCD remedial goals; b) laboratory analyses to confirm removal of soil impacted of NMOCD remedial thresholds; c) dispose of a portion of excavated soil, blend the remaining excavated soil with clean soil and backfill the excavation.
- **Disposal Facility:** J & L Land Farm **Volume disposed:** 140 cubic yards
- **Project Completion Date:** 13 December 2005

1.0 Summary

This report addresses the site investigation and remedial activities of the ConocoPhillips State C-20 Battery release site. On September 27, 2004, a release of approximately 32 barrels of production fluid occurred as a result of the loss of electrical power. ConocoPhillips recovered approximately 30 barrels, and utilized a backhoe to back drag the release area to soak up the remaining fluid. This site is located in Unit Letter L, (NW¼ of the SE¼), Section 20, T21S, R36E, N32° 27' 45.1" and W103° 17' 27.0"approximately 8 miles East-Northeast of Eunice, Lea County, New Mexico. The property is owned by the State of New Mexico and leased by DASCO Cattle Company (reference *Figures 1* and 2). Environmental Plus, Inc. (EPI) was retained by ConocoPhillips in October 2004 to delineate the site and remediate soil impacted above New Mexico Oil Conservation Division (NMOCD) remedial thresholds. EPI performed GPS surveying, photography and characterization of the site on October 29, 2004. The release impacted approximately 16,650 square feet (ft^2) of visibly affected surface area (reference *Figure 3*).

To delineate the vertical extent of contamination, three soil borings were advanced on November 23, 2004 within the perimeter of the release area. During the advancement of the soil borings, samples were collected at five-foot intervals for field and laboratory analyses. Field analyses indicated organic vapor concentrations ranged from 0.0 to 61.4 parts per million (ppm). Analytical results indicated that soil impacted above NMOCD remedial guidelines was limited to five-feet below ground surface (bgs).

After the extents of contamination had been delineated, remediation activities commenced on April 29, 2004 and continued through May 23, 2005. Remediation of this site consisted of the excavation of approximately 1,200 cubic yards (yds^3) of contaminated soil to a maximum depth of four-feet bgs.

On May 23, 2005, eight soil samples were collected from the excavation for field and laboratory analyses. Field analytical data indicated organic vapors ranged from 2.3 to 156 ppm. Analytical results indicated that soil hydrocarbon concentrations were below NMOCD remedial thresholds. On December 13, 2005, the site was backfilled with the blended soil and graded to allow natural drainage.

Approximately 140 yds^3 of impacted soil (i.e., soil exhibiting highest contaminant levels) was transported to J&L Land Farm for treatment. The remaining impacted soil was blended with approximately 210 yds^3 of clean soil purchased from the State of New Mexico and obtained from State Pit number 562. To confirm that the excavated, hydrocarbon impacted soil had been blended to below NMOCD remedial thresholds, soil samples were collected on May 25, 2005 and submitted for laboratory analyses (reference *Table 2*). Analytical results for these samples indicated all contaminant concentrations were less than the NMOCD remedial thresholds.

2.0 Site Description

2.1 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments (i.e., fine to medium sand) with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO

formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil."

The release site is located in the Eunice Plain physiographic subdivision, described by Nicholson & Clebsch as an area "underlain by a hard caliche surface and is almost entirely covered by reddish-brown dune sand". The thickness of the sand cover ranges from 2-5 feet in most areas to as much as 20-30 feet in drift areas.

2.2 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Querqus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with semi-desert grasses, and flowering annual and perennial forbs. Mammals represented, include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians, and birds are numerous and typical of area. A survey of *Listed, Threatened,* or *Endangered Species* was not conducted.

2.3 Area Groundwater

The unconfined groundwater aquifer at this site is projected to be approximately 200-ft bgs based on limited water depth data obtained from the New Mexico State Engineers Office data base. Groundwater gradient in this area is generally to the east-southeast.

2.4 Area Water Wells

All recorded wells are greater than 1,000 horizontal feet from the site (reference *Figure 2*).

2.5 Area Surface Water Features

No surface water bodies exist within a 1,000 foot radius of the site (reference *Figure 2*).

3.0 NMOCD Site Ranking

Contaminant delineation and remedial work done at this site indicate the chemical parameters of the soil and the physical parameters of the groundwater were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- ***Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)***
- ***Unlined Surface Impoundment Closure Guidelines (February 1993)***

Acceptable thresholds for contaminants/constituents of concern, i.e., total petroleum hydrocarbons, benzene, and the mass sum of benzene, toluene, ethylbenzene, and total xylenes, were determined based on the NMOCD Ranking Criteria as follows:

- *Depth to Groundwater (i.e., distance from the lower most acceptable concentration to the groundwater);*
- *Wellhead Protection Area (i.e., distance from fresh water supply wells); and*
- *Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).*

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is zero points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water
Depth to GW <50 feet: *20 points*	**If <1,000' from water source, or; <200' from private domestic water source: *20 points***	**<200 horizontal feet: *20 points***
Depth to GW 50 to 99 feet: *10 points*		**200-1,000 horizontal feet: *10 points***
Depth to GW >100 feet: 0 points	**If >1,000' from water source, or; >200' from private domestic water source: *0 points***	**>1,000 horizontal feet: *0 points***
Site Rank (1+2+3) = 0 + 0 + 0 = 0 points		

Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Parameter	20 or >	10	**0**
Benzene[1]	10 ppm	10 ppm	**10 ppm**
BTEX[1]	50 ppm	50 ppm	**50 ppm**
TPH	100 ppm	1,000 ppm	**5,000 ppm**

[1] A field soil vapor headspace measurement of 100 ppm may be substituted for a laboratory analysis of the benzene and BTEX concentration limits.

4.0 Remedial Investigation and Cleanup

The vertical extent of hydrocarbon contamination at the site was determined with the advancement of three soil borings on November 23, 2004 within the perimeter of the release area. Soil borings were advanced to a maximum depth of ten-feet bgs with samples collected at five-foot intervals. A portion of each sample was analyzed in the field utilizing an UltraRae PID equipped with a 9.8 eV lamp. Field analyses indicated soil organic vapor concentrations ranged from 0.0 to 61.4 ppm. The remaining portion of each sample was submitted for laboratory quantification of TPH and BTEX concentrations. Lateral extents of hydrocarbon impacts were determined visually as the excavation progressed, with confirmatory samples collected upon the completion of excavation activities.

Analytical results indicated that TPH concentrations in the soil from the surface of soil boring SB-1 were 13,400 mg/Kg, in excess of NMOCD remedial thresholds. Benzene concentrations were not detected at or above laboratory method detection limits (MDLs), and BTEX concentrations were 0.116 mg/Kg, both were below NMOCD remedial thresholds. Analytical results of soil samples obtained from five and ten-feet bgs indicated benzene and BTEX constituents were not detected at or above laboratory MDL. TPH at five-feet bgs was detected; however, concentrations could only be estimated at 9.35 mg/Kg. TPH concentrations at ten-feet bgs were not detected at or above laboratory MDLs. All hydrocarbon concentrations from SB-1 at five and ten-feet bgs were below NMOCD remedial thresholds (reference *Table 1*).

Analytical results from samples obtained from soil boring SB-2 indicated TPH concentrations at the surface were 20,500 mg/Kg, in excess of NMOCD remedial threshold. Benzene concentrations were reported to be 0.0319 mg/Kg, and BTEX constituent concentrations were 2.765 mg/Kg, both below NMOCD remedial goals. Analyses of soil samples collected from five and ten-feet bgs indicated benzene and BTEX constituents were not detected at or above

laboratory MDLs. TPH concentrations from five and ten-feet bgs were 1,520 and 16.4 mg/Kg, respectively. All analytes from soil samples obtained at five and ten-feet bgs intervals were below NMOCD remedial thresholds (reference *Table 1*).

Laboratory analyses of soil samples collected from soil boring SB-3 indicated TPH concentrations at the surface were 29,500 mg/Kg, in excess of NMOCD remedial goals. Benzene and BTEX concentrations were reported to be 0.0319 and 2.765 mg/Kg, respectively. Analyses of soil samples collected from five and ten-feet bgs indicated benzene and BTEX constituent concentrations were not detected at or above laboratory MDL. Analytical results indicated TPH concentrations at five-foot bgs were not detected at or above laboratory MDL and at ten-feet bgs were detected; however, could only be estimated at 9.19 mg/Kg. All analytes from soil samples obtained at five and ten-feet bgs intervals were below NMOCD remedial thresholds (reference *Table 1*).

Field and laboratory analytical results of samples collected from SB-1, SB-2 and SB-3 indicated soil impacted above NMOCD remedial thresholds was limited to approximately five-ft bgs. Based on analytical data soil impacted above NMOCD remedial thresholds was excavated

After excavation of soil to previously delineated extents, confirmatory composite soil samples were collected from the excavation on May 23, 2005 and analyzed in the field to verify remedial limits had been achieved. Organic vapor concentrations ranged from 2.3 to 156 ppm with an average concentration of 46 ppm (reference *Table 2).* In addition, samples were submitted to an independent laboratory for quantification of TPH, BTEX constituents, and chloride concentrations. Analytical results indicated excavation hydrocarbon concentrations for all analytes were below the NMOCD remedial thresholds for all samples. Chloride concentrations ranged from 48 to 160 mg/Kg, with an average of 110 mg/Kg (reference *Table 2*).

Remedial activities at the site consisted of the excavation of approximately 1,200 yd^3 of impacted soil from the site. Approximately 140 yd^3 of impacted soil (i.e., soil exhibiting highest contamination levels) was transported to J&L Land Farm for treatment. The remaining impacted soil, approximately 1,060 yd^3 was blended with clean soil purchased from the State of New Mexico to below NMOCD remedial thresholds.

Soil samples were collected from the blended soil on May 25, 2005 and submitted for laboratory analyses for quantification of hydrocarbon and chloride concentrations in the impacted soil had been blended to below NMOCD remedial goals. Laboratory analytical results indicated TPH, benzene and BTEX constituent concentrations were not detected at or above laboratory MDL. Reported chloride concentrations ranged from 80 to 96 mg/Kg. Hydrocarbon concentrations for all hydrocarbon analytes from the blended soil were below NMOCD remedial thresholds (reference *Table 2*).

On December 13, 2005, the excavation was backfilled with the blended soil and graded to allow natural drainage.

5.0 Groundwater Investigation

The projected depth to groundwater at this site is approximately 200-ft bgs. Excavation of the site was to a maximum depth of four feet, with the remaining depth to ground water >100-ft. Final field analyses for soil samples collected from the base of the excavation indicated organic vapor concentrations of <300 ppm *(*reference *Table 2).* In addition, final analytical results for samples collected from the excavation on May 23, 2005 indicated all hydrocarbon concentrations were below NMOCD remedial thresholds. Final chloride concentrations remaining in the excavation were reported to range from 48 to 160 mg/Kg, with an average of 110 mg/Kg. Soil

samples were collected from the blended soil on May 25, 2005 indicated TPH and BTEX constituent concentrations were not detected at or above laboratory MDL and chloride concentrations ranged from 80 to 96 mg/Kg (reference *Table 2*).

Based on depth to groundwater and field and laboratory analytical data, it is believed groundwater was not impacted, nor will it be impacted due to the release. Therefore, no further groundwater investigation is necessary.

6.0 Closure Justification

This report documents successful treatment of impacted soil above the remedial thresholds discussed in Section 3 above and confirmed via laboratory analyses for this release site. The impacted soil was excavated with a portion transported to J & L Landfarm for treatment; the remaining impacted soil was blended with clean soil to achieve NMOCD remedial goals. The site was backfilled with blended soil and graded to allow natural drainage. The final closure activity at the site is to seed the remediation area with a seed blend approved by the New Mexico State Land Office.

Environmental Plus, Inc., on behalf of ConocoPhillips, request the NMOCD require no further action at the site and issue a *Site Closure Letter.*

FIGURES

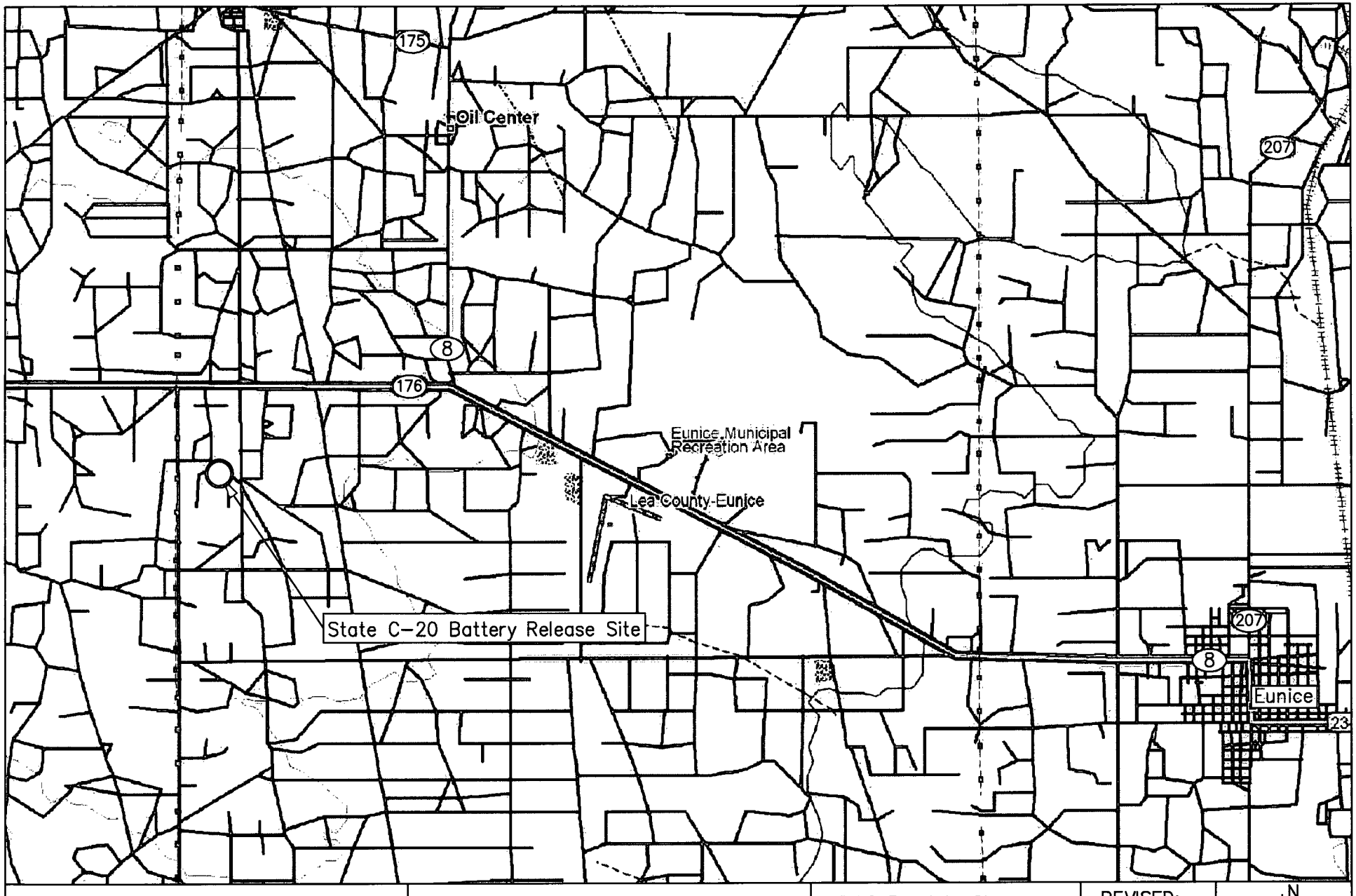

Figure 1 Area Map Conoco Phillips State C-20 Battery	Lea County, New Mexico NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E N 32° 27' 45.1" W 103° 17' 27.0" Elevation: 3,636 feet amsl	DWG By: Iain Olness December 2004 0 1.0 2.0 Miles	REVISED: SHEET 1 of 1	N

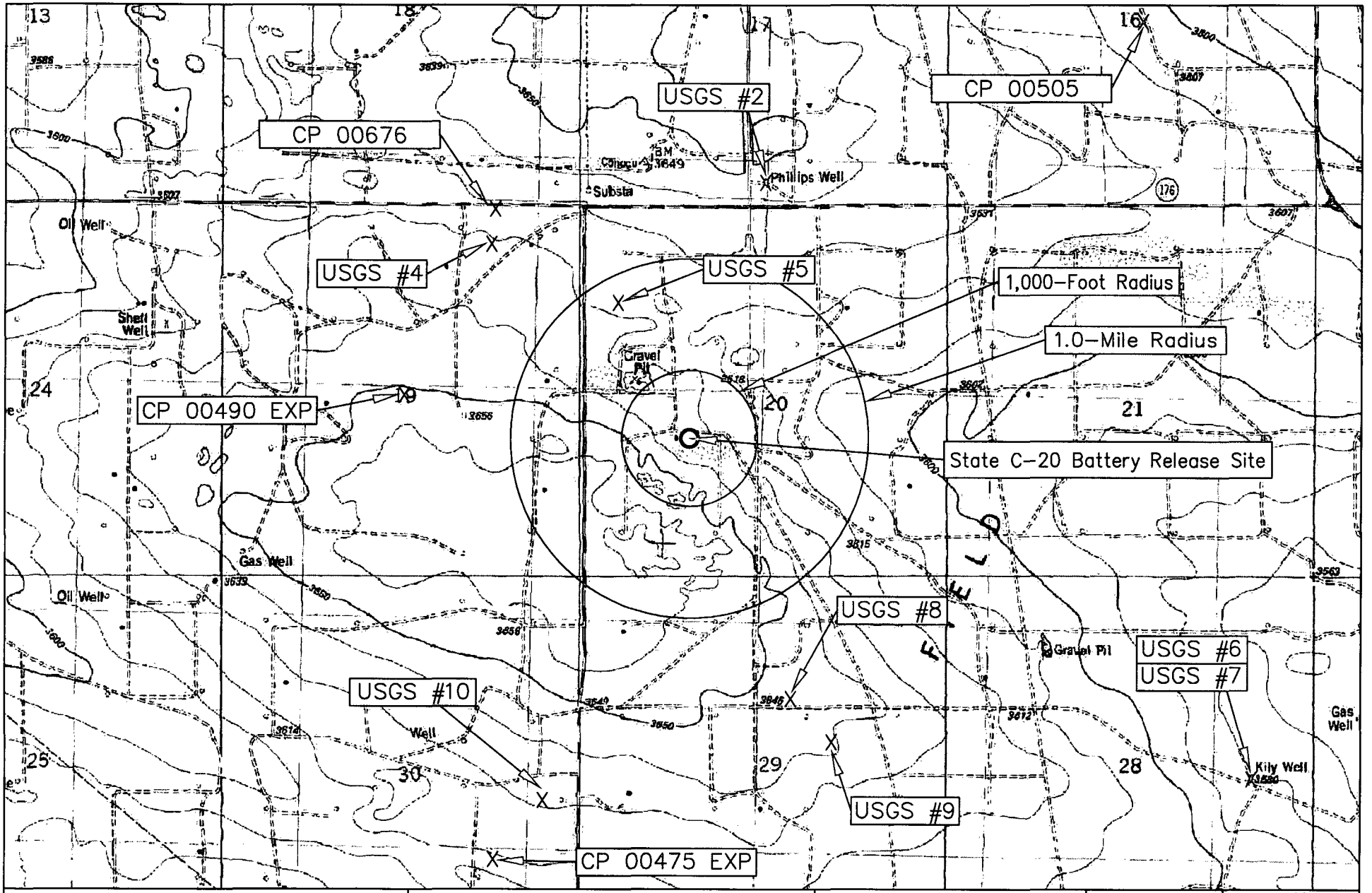

Figure 2 Site and Water Well Location Map Conoco Phillips State C-20 Battery	Lea County, New Mexico NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E N 32° 27' 45.1" W 103° 17' 27.0" Elevation: 3,636 feet amsl	DWG By: Iain Olness December 2004 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1

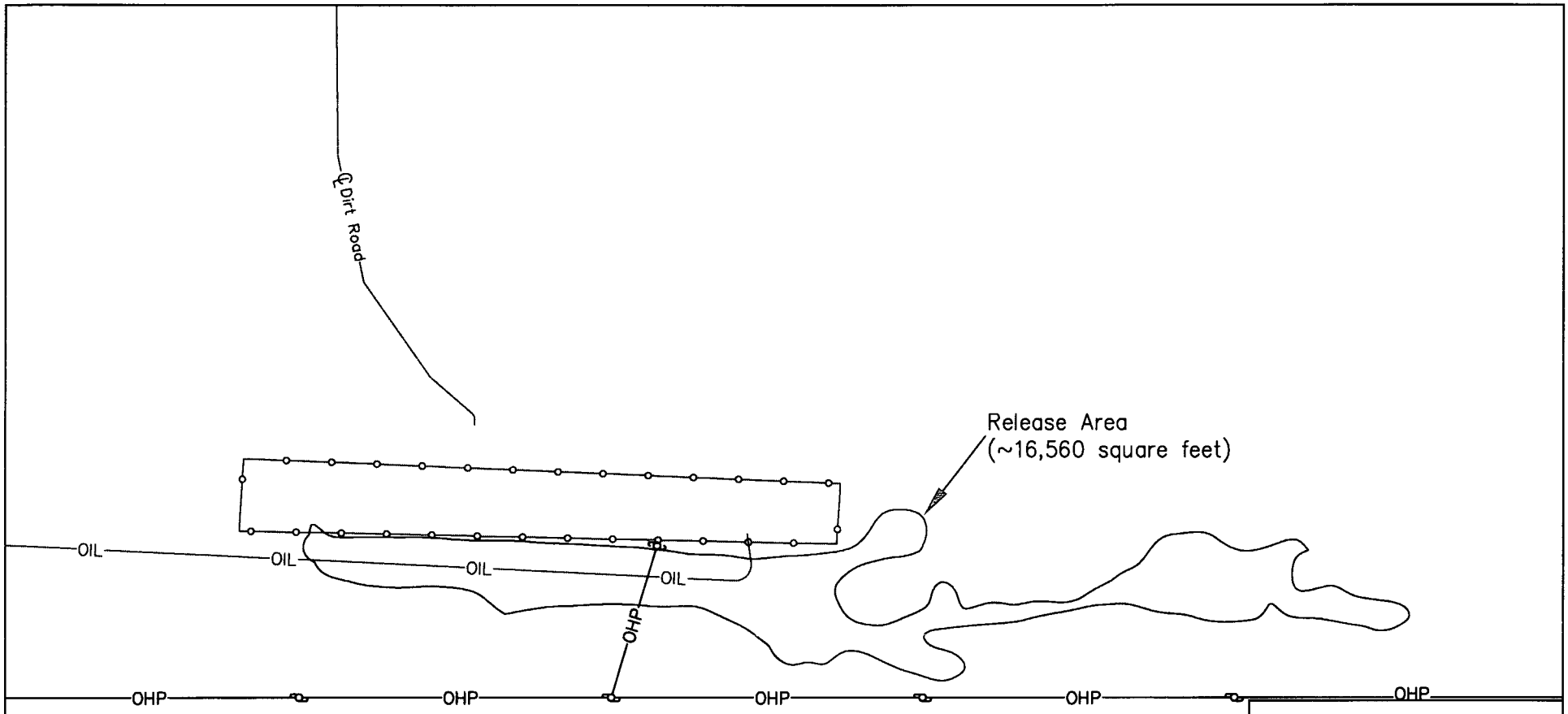

Figure 3 Site Map Conoco Phillips State C–20 Battery	Lea County, New Mexico NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E N 32° 27' 45.1" W 103 17' 27.0" Elevation: 3,636 feet amsl	DWG By: Iain Olness December 2004	REVISED: JCS, July 2005	N
		0 75 150 Feet	SHEET 1 of 1	

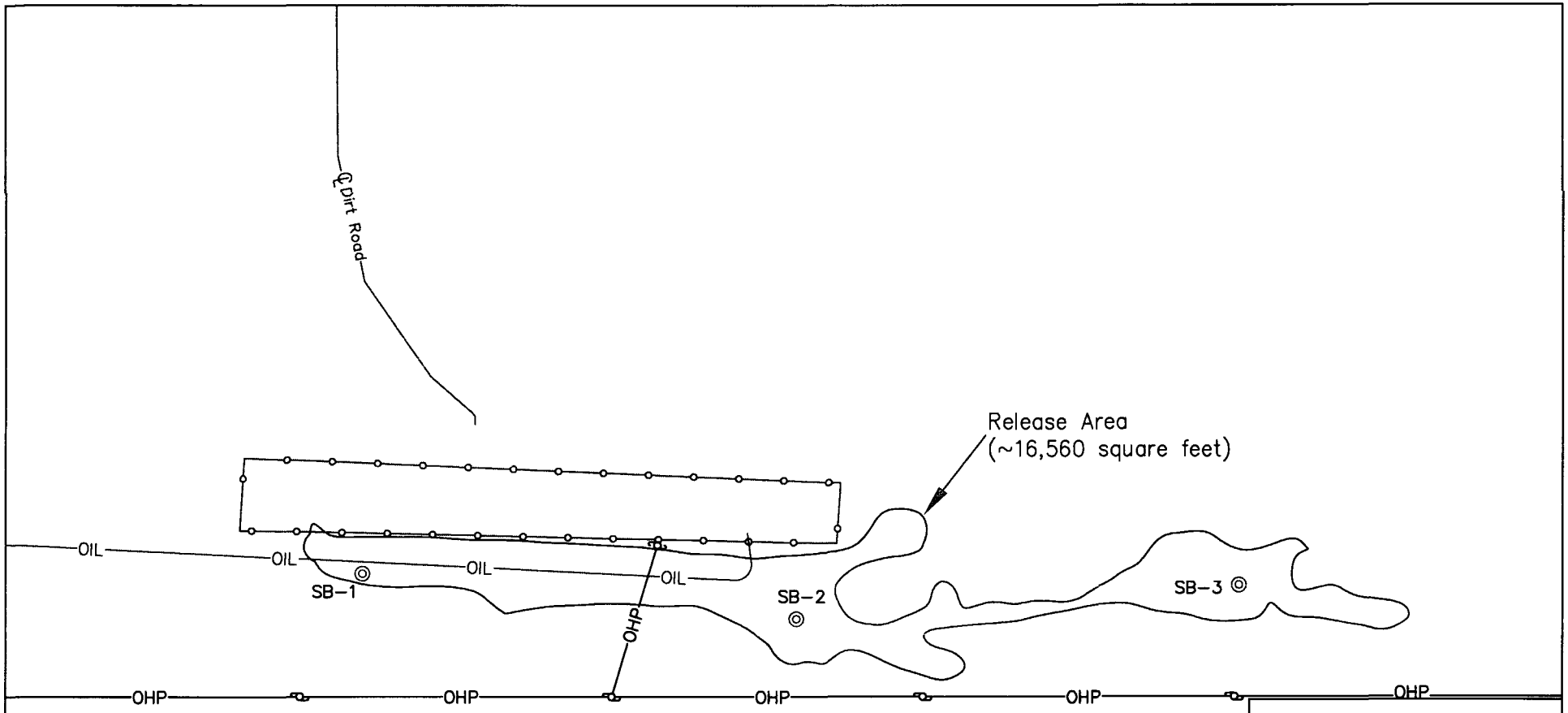

Figure 4 Soil Boring Location Map Conoco Phillips State C-20 Battery	Lea County, New Mexico NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E N 32° 27' 45.1" W 103 17' 27.0" Elevation: 3,636 feet amsl	DWG By: Iain Olness December 2004	REVISED: JCS, July 2005	N
		0 75 150 Feet	SHEET 1 of 1	

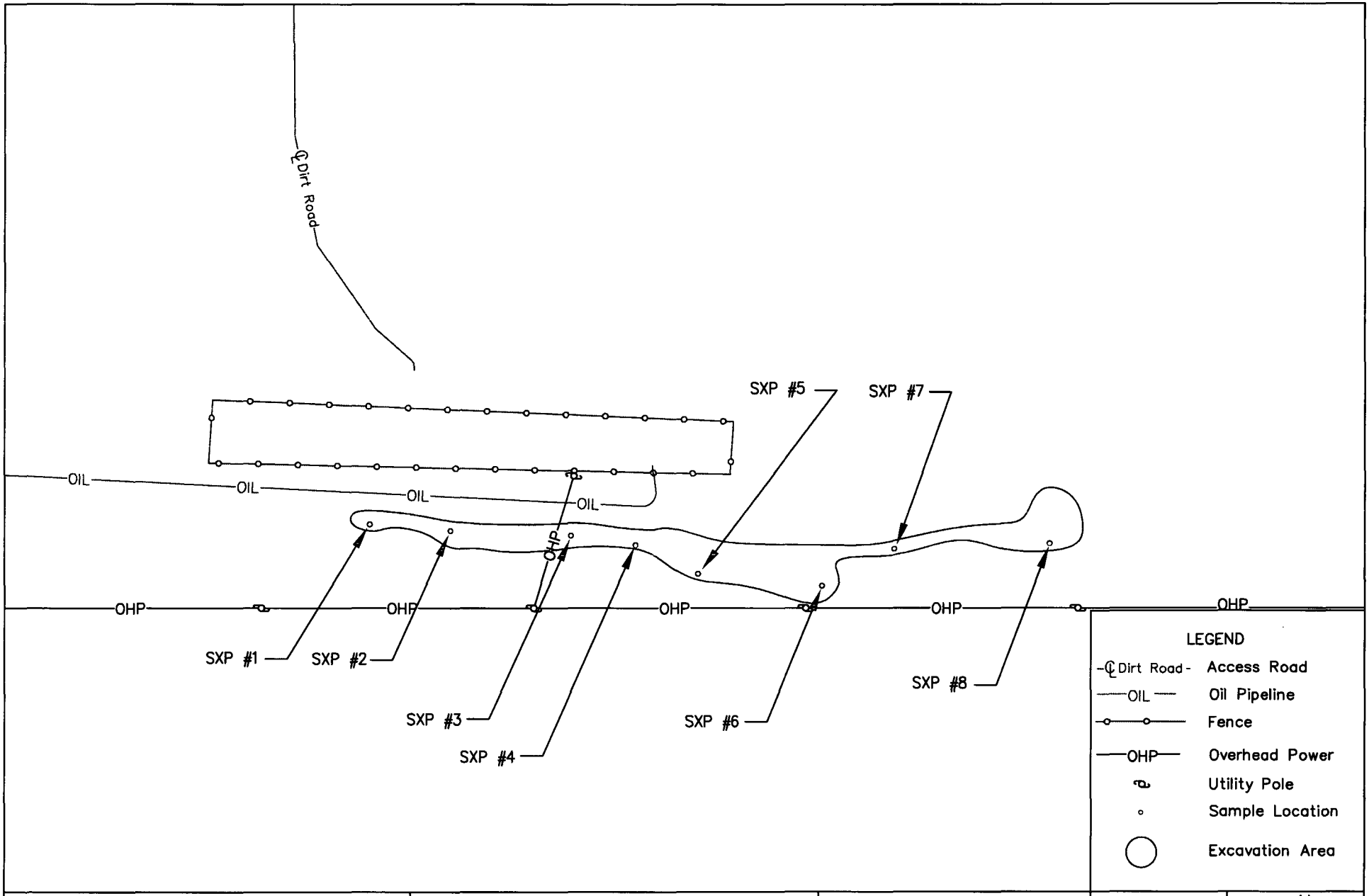

Figure 5 Sample Location Map Conoco Phillips State C–20 Battery	Lea County, New Mexico NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E N 32° 27' 45.1" W 103° 17' 27.0" Elevation: 3,636 feet amsl	DWG By: Iain Olness December 2004	REVISED: JCS, July 2005	N
		0 75 150 Feet	SHEET 1 of 1	

TABLES

TABLE 1

Summary of Soil Boring Analytical Results

Conoco Phillips State C-20 Battery (Ref. #150006)

Soil Boring	Depth (feet)	Sample Date	PID Reading (ppm)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethylbenzene (µg/Kg)	m,p-Xylenes (µg/Kg)	o-Xylene (µg/Kg)	Total BTEX (µg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)
SB-1	Surface	23-Nov-04	18	<25	<25	19.1 [4]	70.1	26.4	96.5	322	13,100	**13,400**
	5	23-Nov-04	2.2	<25	<25	<25	<25	<25	<125	<10	9.35 [4]	0.00
	10	23-Nov-04	0.0	<25	<25	<25	<25	<25	<125	<10	<10	<10
SB-2	Surface	23-Nov-04	21.3	31.9	336	486	1,490	421	2,770	948	19,500	**20,500**
	5	23-Nov-04	11.3	<25	<25	<25	<25	<25	<125	58.5	1,460	1,520
	10	23-Nov-04	0.3	<25	<25	<25	<25	<25	<125	<10	16.4	16.4
SB-3	Surface	23-Nov-04	61.4	<25	76.2	171	589	218	1,060	2,830	26,700	**29,500**
	5	23-Nov-04	5.0	<25	<25	<25	<25	<25	<125	<10	<10	<10
	10	23-Nov-04	0.0	<25	<25	<25	<25	<25	<125	<10	9.19 [4]	9.19
NMOCD Remedial Thresholds			**100** [3]	**10,000**					**50,000**			**5,000**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA : Not Analyzed*

[3] *In lieu of laboratory analyes of benzene, toluene, ethylbenzene and total xylenes.*

[4] *Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).*

TABLE 2

Summary of Excavation Analytical Results

Conoco Phillips State C-20 Battery (Ref. #150006)

Soil Sample I.D.	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SXP #1	2	23-May-05	In Situ	2.3	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	160
SXP #2	2	23-May-05	In Situ	16.4	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	144
SXP #3	2	23-May-05	In Situ	4.2	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	112
SXP #4	2	23-May-05	In Situ	21.1	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	64
SXP #5	2	23-May-05	In Situ	88.4	0.011	0.003	<0.002	0.006	0.020	<10	176	176	80
SXP #6	2	23-May-05	In Situ	156	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	202	160
SXP #7	4	23-May-05	In Situ	25.6	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	518	48
SXP #8	2	23-May-05	In Situ	56.7	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	112
CPSC20BSSPC	Comp	25-May-05	Blended Soil	NA	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	80
CPSC20BNSPC	Comp	25-May-05	Blended Soil	NA	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	80
CPSC20BNSP-1-4	Comp	25-May-05	Blended Soil	NA	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	96
NMOCD Remedial Thresholds				**100**	**10**				**50**			**5,000**	**250** [A]

Bolded *values are in excess of the NMOCD Remediation Thresholds*

[A] *Chloride residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 ppm.*

Comp= *Composite Sample*

TABLE 3

Well Data

Conoco Phillips State C-20 Battery (Ref. #150006)

Well Number	Diversion[A]	Owner	Use	Source	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
USGS #1					21 S	36 E	16 2 2 4			31-Jan-91	3,590	174.98
CP 00505	3	Snyder Ranches, Ltd.	STK		21 S	36 E	16 2	N 32° 28' 43.53"	W 103° 16' 11.43"	10-Jul-72	3,605	195
USGS #2					21 S	36 E	17 4 3 3			07-Mar-96	3,645	242.65
USGS #3					21 S	36 E	18 2 4 1			07-Feb-96	3,645	233.83
CP 00676	0	Joe E. Sims	DOM	Shallow	21 S	36 E	18 4 4 1	N 32° 28' 17.46"	W 103° 17' 59.37"	30-Apr-93	3,625	106
USGS #4					21 S	36 E	19 2 2 1			18-Mar-86	3,635	217.34
CP 00490 EXP	0	U. R. Cattle Company	STK		21 S	36 E	19 2 3	N 32° 27' 51.41"	W 103° 18' 14.75"		3,655	
USGS #5					21 S	36 E	20 1 1 3			07-Jan-54	3,628	215.96
USGS #6					21 S	36 E	28 4 2 1			15-Feb-96	3,580	186.14
USGS #7					21 S	36 E	28 4 2 1			15-Jan-54	3,580	174.49
USGS #8					21 S	36 E	29 2 3 1			06-Apr-91	3,645	246.87
USGS #9					21 S	36 E	29 2 3 4			08-Sep-70	3,640	240.89
USGS #10					21 S	36 E	30 4 2 2			13-Feb-96	3,642	230.69
CP 00475 EXP	0	Ross Robinson	STK		21 S	36 E	30 4 2 2	N 32° 26' 46.01"	W 103° 17' 59.18"		3,615	

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1)
Shaded well information indicates well location shown on Figure 2

[A] = in acre feet per annum

[B] = Elevation interpolated from USGS topographical map based on referenced location.

DOM = Domestic
STK = Livestock Watering
EXP = Expired
quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

APPENDIX I

LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY FORMS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Conoco Phillips / State C-20 Battery

Project Number: 2002-10273

Location: None Given

Lab Order Number: 4K24008

Report Date: 12/06/04

Environmental Plus, Incorporated	Project: Conoco Phillips / State C-20 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number: 2002-10273	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	12/06/04 10:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 (surface)	4K24008-01	Soil	11/23/04 09:21	11/24/04 13:15
BH-1 (5')	4K24008-02	Soil	11/23/04 09:54	11/24/04 13:15
BH-1 (10')	4K24008-03	Soil	11/23/04 10:46	11/24/04 13:15
BH-2 (Surface)	4K24008-04	Soil	11/23/04 10:44	11/24/04 13:15
BH-2 (5')	4K24008-05	Soil	11/23/04 11:27	11/24/04 13:15
BH-2 (10')	4K24008-06	Soil	11/23/04 12:48	11/24/04 13:15
BH-3 (surface)	4K24008-07	Soil	11/23/04 14:53	11/24/04 13:15
BH-3 (5')	4K24008-08	Soil	11/23/04 15:37	11/24/04 13:15
BH-3 (10')	4K24008-09	Soil	11/23/04 16:07	11/24/04 13:15

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Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

Project: Conoco Phillips / State C-20 Battery
Project Number: 2002-10273
Project Manager: Iain Olness

Fax: 505-394-2601

Reported:
12/06/04 10:47

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
BH-1 (surface) (4K24008-01) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	**J [0.0191]**	0.0250	"	"	"	"	"	"	cdk	J
Xylene (p/m)	**0.0701**	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	**0.0264**	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*84.0 %*		*80-120*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*83.6 %*		*80-120*	"	"	"	"		
Gasoline Range Organics C6-C12	**322**	50.0	"	5	EK42419	11/24/04	11/24/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**13100**	50.0	"	"	"	"	"	"	JLH	
Total Hydrocarbon C6-C35	**13400**	50.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*21.9 %*		*70-130*	"	"	"	"		*S-06*
Surrogate: 1-Chlorooctadecane		*28.1 %*		*70-130*	"	"	"	"		*S-06*
BH-1 (5') (4K24008-02) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*97.5 %*		*80-120*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*96.6 %*		*80-120*	"	"	"	"		
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK42419	11/24/04	11/24/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**J [9.35]**	10.0	"	"	"	"	"	"	JLH	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*104 %*		*70-130*	"	"	"	"		
Surrogate: 1-Chlorooctadecane		*116 %*		*70-130*	"	"	"	"		
BH-1 (10') (4K24008-03) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*98.2 %*		*80-120*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*100 %*		*80-120*	"	"	"	"		
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK42419	11/24/04	11/24/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	JLH	

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Environmental Plus, Incorporated	Project: Conoco Phillips / State C-20 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number: 2002-10273	**Reported:**
Eunice NM, 88231	Project Manager: Iain Olness	12/06/04 10:47

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
BH-1 (10') (4K24008-03) Soil										
Total Hydrocarbon C6-C35	ND	10.0	mg/kg dry	1	EK42419	11/24/04	11/24/04	EPA 8015M	JLH	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"		
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"		
BH-2 (Surface) (4K24008-04) Soil										
Benzene	**0.0319**	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	**0.336**	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	**0.486**	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	**1.49**	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	**0.421**	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*156 %*	*80-120*		"	"	"	"		*S-04*
Surrogate: 4-Bromofluorobenzene		*126 %*	*80-120*		"	"	"	"		*S-04*
Gasoline Range Organics C6-C12	**948**	50.0	"	5	EK42419	11/24/04	11/25/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**19500**	50.0	"	"	"	"	"	"	JLH	
Total Hydrocarbon C6-C35	**20500**	50.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*21.0 %*	*70-130*		"	"	"	"		*S-06*
Surrogate: 1-Chlorooctadecane		*27.0 %*	*70-130*		"	"	"	"		*S-06*
BH-2 (5') (4K24008-05) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*92.9 %*	*80-120*		"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*89.8 %*	*80-120*		"	"	"	"		
Gasoline Range Organics C6-C12	**58.5**	10.0	"	1	EK42419	11/24/04	11/25/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**1460**	10.0	"	"	"	"	"	"	JLH	
Total Hydrocarbon C6-C35	**1520**	10.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*99.1 %*	*70-130*		"	"	"	"		
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"		

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
BH-2 (10') (4K24008-06) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*80-120*		"	"	"	"		
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK42419	11/24/04	11/29/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**16.4**	10.0	"	"	"	"	"	"	JLH	
Total Hydrocarbon C6-C35	**16.4**	10.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*122 %*	*70-130*		"	"	"	"		
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"		
BH-3 (surface) (4K24008-07) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/02/04	EPA 8021B	cdk	
Toluene	**0.0762**	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	**0.171**	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	**0.589**	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	**0.218**	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"		
Gasoline Range Organics C6-C12	**2830**	50.0	"	5	EK42419	11/24/04	11/25/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**26700**	50.0	"	"	"	"	"	"	JLH	
Total Hydrocarbon C6-C35	**29500**	50.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*27.1 %*	*70-130*		"	"	"	"		*S-06*
Surrogate: 1-Chlorooctadecane		*29.8 %*	*70-130*		"	"	"	"		*S-06*
BH-3 (5') (4K24008-08) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*89.3 %*	*80-120*		"	"	"	"		
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK42419	11/24/04	11/29/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	JLH	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	JLH	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
BH-3 (5') (4K24008-08) Soil										
Surrogate: 1-Chlorooctane		*117 %*		*70-130*	*EK42419*	*11/24/04*	*11/29/04*	*EPA 8015M*		
Surrogate: 1-Chlorooctadecane		*122 %*		*70-130*	"	"	"	"		
BH-3 (10') (4K24008-09) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EL40209	12/01/04	12/01/04	EPA 8021B	cdk	
Toluene	ND	0.0250	"	"	"	"	"	"	cdk	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	cdk	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	cdk	
Surrogate: a,a,a-Trifluorotoluene		*96.4 %*		*80-120*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*101 %*		*80-120*	"	"	"	"		
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK42419	11/24/04	11/25/04	EPA 8015M	JLH	
Diesel Range Organics >C12-C35	**J [9.19]**	10.0	"	"	"	"	"	"	JLH	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	JLH	
Surrogate: 1-Chlorooctane		*102 %*		*70-130*	"	"	"	"		
Surrogate: 1-Chlorooctadecane		*112 %*		*70-130*	"	"	"	"		

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
BH-1 (surface) (4K24008-01) Soil										
% Moisture	**7.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-1 (5') (4K24008-02) Soil										
% Moisture	**16.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-1 (10') (4K24008-03) Soil										
% Moisture	**11.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-2 (Surface) (4K24008-04) Soil										
% Moisture	**11.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-2 (5') (4K24008-05) Soil										
% Moisture	**21.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-2 (10') (4K24008-06) Soil										
% Moisture	**7.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-3 (surface) (4K24008-07) Soil										
% Moisture	**4.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-3 (5') (4K24008-08) Soil										
% Moisture	**11.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	
BH-3 (10') (4K24008-09) Soil										
% Moisture	**9.0**		%	1	EK42908	11/29/04	11/29/04	% calculation	LC	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42419 - Solvent Extraction (GC)				Analyst: JLH						
Blank (EK42419-BLK1)				Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*50.3*		"	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.7*		"	*50.0*		*109*	*70-130*			
LCS (EK42419-BS1)				Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	436	10.0	mg/kg wet	500		87.2	75-125			
Diesel Range Organics >C12-C35	475	10.0	"	500		95.0	75-125			
Total Hydrocarbon C6-C35	911	10.0	"	1000		91.1	75-125			
Surrogate: 1-Chlorooctane	*49.2*		"	*50.0*		*98.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.9*		"	*50.0*		*95.8*	*70-130*			
Calibration Check (EK42419-CCV1)				Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	452		mg/kg	500		90.4	80-120			
Diesel Range Organics >C12-C35	483		"	500		96.6	80-120			
Total Hydrocarbon C6-C35	935		"	1000		93.5	80-120			
Surrogate: 1-Chlorooctane	*58.5*		*mg/kg wet*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.7*		"	*50.0*		*113*	*70-130*			
Matrix Spike (EK42419-MS1)	**Source: 4K24008-02**			Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	575	10.0	mg/kg dry	595	ND	96.6	75-125			
Diesel Range Organics >C12-C35	666	10.0	"	595	9.35	110	75-125			
Total Hydrocarbon C6-C35	1240	10.0	"	1190	ND	104	75-125			
Surrogate: 1-Chlorooctane	*72.3*		"	*59.5*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*70.0*		"	*59.5*		*118*	*70-130*			
Matrix Spike Dup (EK42419-MSD1)	**Source: 4K24008-02**			Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	587	10.0	mg/kg dry	595	ND	98.7	75-125	2.07	20	
Diesel Range Organics >C12-C35	661	10.0	"	595	9.35	110	75-125	0.754	20	
Total Hydrocarbon C6-C35	1250	10.0	"	1190	ND	105	75-125	0.803	20	
Surrogate: 1-Chlorooctane	*73.1*		"	*59.5*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*70.8*		"	*59.5*		*119*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40209 - EPA 5030C (GC)				Analyst: cdk						
Blank (EL40209-BLK1)				Prepared & Analyzed: 12/01/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*0.102*		"	*0.100*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.100*		*102*	*80-120*			
LCS (EL40209-BS1)				Prepared & Analyzed: 12/01/04						
Benzene	87.2		ug/kg	100		87.2	80-120			
Toluene	87.8		"	100		87.8	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	234		"	200		117	80-120			
Xylene (o)	116		"	100		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.115*		*mg/kg wet*	*0.100*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.100*		*117*	*80-120*			
Calibration Check (EL40209-CCV1)				Prepared: 12/01/04 Analyzed: 12/02/04						
Benzene	87.7		ug/kg	100		87.7	80-120			
Toluene	88.4		"	100		88.4	80-120			
Ethylbenzene	99.7		"	100		99.7	80-120			
Xylene (p/m)	227		"	200		114	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.0939*		*mg/kg wet*	*0.100*		*93.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.100*		*120*	*80-120*			
Matrix Spike (EL40209-MS1)	**Source: 4K29003-01**			Prepared & Analyzed: 12/01/04						
Benzene	83.7		ug/kg	100	ND	83.7	80-120			
Toluene	86.3		"	100	ND	86.3	80-120			
Ethylbenzene	96.2		"	100	ND	96.2	80-120			
Xylene (p/m)	221		"	200	ND	110	80-120			
Xylene (o)	114		"	100	ND	114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.125*		*mg/kg dry*	*0.122*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.131*		"	*0.122*		*107*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40209 - EPA 5030C (GC)				Analyst:	cdk					
Matrix Spike Dup (EL40209-MSD1)		**Source: 4K29003-01**		Prepared & Analyzed: 12/01/04						
Benzene	85.9		ug/kg	100	ND	85.9	80-120	2.59	20	
Toluene	88.3		"	100	ND	88.3	80-120	2.29	20	
Ethylbenzene	101		"	100	ND	101	80-120	4.87	20	
Xylene (p/m)	233		"	200	ND	116	80-120	5.31	20	
Xylene (o)	119		"	100	ND	119	80-120	4.29	20	
Surrogate: a,a,a-Trifluorotoluene	*0.129*		*mg/kg dry*	*0.122*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.142*		*"*	*0.122*		*116*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42908 - General Preparation (Prep)				Analyst: LC						
Blank (EK42908-BLK1)				Prepared & Analyzed: 11/29/04						
% Moisture	0.0		%							
Duplicate (EK42908-DUP1)	**Source: 4K24004-01**			Prepared & Analyzed: 11/29/04						
% Moisture	5.0		%		5.0			0.00	20	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 12/6/2004

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Labs of Texas

Chain of Custody Form

12600 West I-20 East, Odessa, TX 79763
(915) 563-1800 FAX: (915) 563-1713

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Conoco Phillips
Facility Name	State C-20 Battery
Project Reference	2002-10273
EPI Sampler Name	Manuel Gonzales

Bill To:

Attn: Iain Olness
PO Box 1558,
Eunice, NM 88231-1558

ANALYSIS REQUEST

LAB I.D. 4K24008	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH				
-01	BH-1 (surface)	C	1			X					X		23-Nov	9:21	X	X										
-02	BH-1 (5')	C	1			X					X		23-Nov	9:54	X	X										
-03	BH-1 (10')	C	1			X					X		23-Nov	10:46	X	X										
-04	BH-2 (surface)	C	1			X					X		23-Nov	10:44	X	X										
-05	BH-2 (5')	C	1			X					X		23-Nov	11:27	X	X										
-06	BH-2 (10')	C	1			X					X		23-Nov	12:48	X	X										
-07	BH-3 (surface)	C	1			X					X		23-Nov	14:53	X	X										
-08	BH-3 (5')	C	1			X					X		23-Nov	15:37	X	X										
-09	BH-3 (10')	C	1			X					X		23-Nov	16:07	X	X										
-10																										

Sampler Relinquished: Manuel Gonzales — Date: 11-24 — Time: 10:00 — Received By: [signature]

Relinquished by: [signature] — Date: 11-24-04 — Time: 1315 — Received By: (lab staff) Joanne McMurray

Delivered by:

Sample Cool & Intact: (Yes) No

Checked By: JMM

E-mail results to: iolness@hotmail.com

REMARKS: 0.5°C 4oz glass on ice

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

Client: EPI

Date/Time: 11-24-04 @ 1330

Order #: 411C24008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO PHILLIPS
ATTN: JOHN ABNEY
1410 WEST COUNTY ROAD
HOBBS, NM 88240
FAX TO: (505) 391-3102

Receiving Date: 05/24/05
Reporting Date: 06/03/05
Project Number: 150006
Project Name: STATE C 20
Project Location: UL-H, SEC4, T21S, R36E

Sampling Date: 05/23/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)
ANALYSIS DATE:		06/03/05	06/03/05
H9817-1	SXP #1	<10.0	<10.0
H9817-2	SXP #2	<10.0	<10.0
H9817-3	SXP #3	<10.0	<10.0
H9817-4	SXP #4	<10.0	<10.0
H9817-5	SXP #5	<10.0	176
H9817-6	SXP #6	<10.0	202
H9817-7	SXP #7	<10.0	518
H9817-8	SXP #8	<10.0	77.4
Quality Control		806	733
True Value QC		800	800
% Recovery		101	91.6
Relative Percent Difference		0.5	0.8

METHOD: SW-846 8015 M

Chemist

6/3/05
Date

H9817.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO PHILLIPS
ATTN: JOHN ABNEY
1410 WEST
HOBBS, NM 88240
Fax: 505-391-3102

Receiving Date: 5/24/2005
Reporting Date: 5/26/2005
Project Number: 150006
Project Name: STATE C-2020
Project Location: UL-H, SEC 4, T215, R36E

Sampling Date: 5/23/2005
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: JD

LAB NUMBI SAMPLE ID	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:	5/26/05	5/26/05	5/26/05	5/26/05	5/26/05
H9817-1 SXP#1	<0.002	<0.002	<0.002	<0.002	<.006
H9817-2 SXP#2	<0.002	<0.002	<0.002	<0.002	<.006
H9817-3 SXP#3	<0.002	<0.002	<0.002	<0.002	<.006
H9817-4 SXP#4	<0.002	<0.002	<0.002	<0.002	<.006
H9817-5 SXP#5	<0.002	0.011	0.003	<0.002	0.006
H9817-6 SXP#6	<0.002	<0.002	<0.002	<0.002	<.006
H9817-7 SXP#7	<0.002	<0.002	<0.002	<0.002	<.006
H9817-8 SXP#8	<0.002	<0.002	<0.002	<0.002	<.006
Quality Control	0.094	0.108	0.102	0.101	0.299
True Value QC	0.100	0.100	0.100	0.100	0.300
% Recovery	94	108	102	101	99.7
Relative Percent Difference	5	0	1	2.1	1.7

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Jeanelle DeBrine
Chemist

5/26/2005
Date

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO PHILLIPS
ATTN: JOHN ABNEY
1410 WEST COUNTY ROAD
HOBBS, NM 88240
FAX TO: (505) 391-3102

Receiving Date: 05/24/05
Reporting Date: 05/26/05
Project Number: 150006
Project Name: STATE C20
Project Location: UL-H SEC4 T21S R36E

Analysis Date: 05/26/05
Sampling Date: 05/23/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H9817-1*	SXP #1	160
H9817-2*	SXP #2	144
H9817-3*	SXP #3	112
H9817-4	SXP #4	64
H9817-5	SXP #5	80
H9817-6*	SXP #6	160
H9817-7	SXP #7	48
H9817-8*	SXP #8	112
Quality Control		1000
True Value QC		1000
% Recovery		100
Relative Percent Difference		4.0

METHOD: Standard Methods	4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.
*Matrix interference (color) observed.

Amy Hill
Chemist

5/26/05
Date

h9817

[illegible]
915-673-7001 Fax 915-673-7020

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

Company Name: ConocoPhillips
Project Manager: ~~[illegible]~~ John Abney
Address: 1410 West
City, State, Zip: Hobbs, NM 88240
Phone#/Fax#: (505) 391-3128 / (505) 391-3102
Project #/Owner: 150006
Project Name: State C 20
Project Location: UL-H, Sec 4, T21S, R36E
Sampler Name: Joe Gatts

Bill To

~~ENVIRONMENTAL PLUS INC.~~
ConocoPhillips
Attn. John Abney
1410 West CR, Hobbs, NM 88240

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015Modified	Cl	SAR	EC
H9817-1	SXP # 1	G	1			X							5/23	0800	X	X	X		
H9817-2	SXP # 2	G	1			X							5/23	0806	X	X	X		
-3	SXP # 3	G	1			X							5/23	0812	X	X	X		
-4	SXP # 4	G	1			X							5/23	0817	X	X	X		
-5	SXP # 5	G	1			X							5/23	0825	X	X	X		
-6	SXP # 6	G	1			X							5/23	0832	X	X	X		
-7	SXP # 7	G	1			X							5/23	0840	X	X	X		
-8	SXP # 8	G	1			X							5/23	0847	X	X	X		

Sampler Relinquished: [illegible signature] | Date: 5/24/05 | Time: 7:30 | Received By: [illegible signature]

Relinquished by: | Date | Time | Received By: (lab staff) [illegible signature]

Delivered by Sampler | Sample Cool & Intact: Yes (circled) No | Checked By:

Fax results to ~~Pat McCasland~~ 505-394-2601

Remarks: Iain Olness

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: IAIN OLNESS
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 05/26/05
Reporting Date: 06/06/05
Project Number: 2002-10273
Project Name: STATE C-20 BATTERY
Project Location: NOT GIVEN

Sampling Date: 05/25/05
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		06/04/05	06/04/05	05/31/05
H9824-1	CPSC20BSSPC	<10.0	<10.0	80
H9824-2	CPSC20BNSPC	<10.0	<10.0	80
H9824-3	CPSC20BNSP-1-4	<10.0	<10.0	96
Quality Control		800	743	950
True Value QC		800	800	1000
% Recovery		100	92.9	95.0
Relative Percent Difference		1.5	1.9	5.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

6/6/05
Date

H9824.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC
ATTN: IAIN OLNESS
PO BOX 1558
EUNICE, NM 88231
FAX TO: 505-394-2601

Receiving Date: 5/26/2005
Reporting Date: 6/6/2005
Project Number: 2002-10273
Project Name: NONE GIVEN
Project Location: STATE C-20 BATTERY

Sampling Date: 5/25/2005
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: JD

LAB NUMBER	SAMPLE ID	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		6/6/05	6/6/05	6/6/05	6/6/05	6/6/05
H9824-1	CPSC20BSSPC	<0.002	<0.002	<0.002	<0.002	<0.006
H9824-2	CPSC20BNSPC	<0.002	<0.002	<0.002	<0.002	<0.006
H9824-3	CPSC20BNSP-1-4	<0.002	<0.002	<0.002	<0.002	<0.006
Quality Control		0.101	0.098	0.094	0.094	0.274
True Value QC		0.100	0.100	0.100	0.100	0.300
% Recovery		101	98	94	94	91.3
Relative Percent Difference		5	0	1	2.1	1.7

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Chemist

06/07/2005
Date

Cardinal Laboratories Inc.

Chain of Custody Form

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Conoco Phillips
Facility Name	State C-20 Battery
Project Reference	2002-10273
EPI Sampler Name	Cody Fisher

Bill To

ConocoPhillips

Attn: John Abney
1410West County Road,
Hobbs, NM 88240

ANALYSIS REQUEST

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{2-})	pH	TCLP	OTHER >>>	PAH
149824-1	1	CPSC20BSSPC	C	1			X					X		25-May	7:30	X	X	X					
	2	~~CPSC20B3SP-2-1~~	~~G~~	~~1~~	~~—~~	~~—~~	~~X~~	~~—~~	~~—~~	~~—~~	~~—~~	~~X~~	~~—~~	~~25-May~~	~~7:00~~	~~X~~	~~X~~	~~X~~	~~—~~				
-2	3	CPSC20BNSPC	C	1			X					X		25-May	8:05	X	X	X					
-3	4	CPSC20BNSP-1-4	G	1			X					X		25-May	7:50	X	X	X					
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Sampler Relinquished: [signature] Date: 5-26-05 Time: 9:45 Received By:

Relinquished by: Date: 5/26/05 Time: Received By: (lab staff) [signature]

Delivered by:

Sample Cool & Intact: Yes No

Checked By:

Fax results to: Iain Olness @ (505) 394-2601

REMARKS:

No CPSC20BSSP-2-1 sample

[signature]

APPENDIX II

PROJECT PHOTOGRAPHS

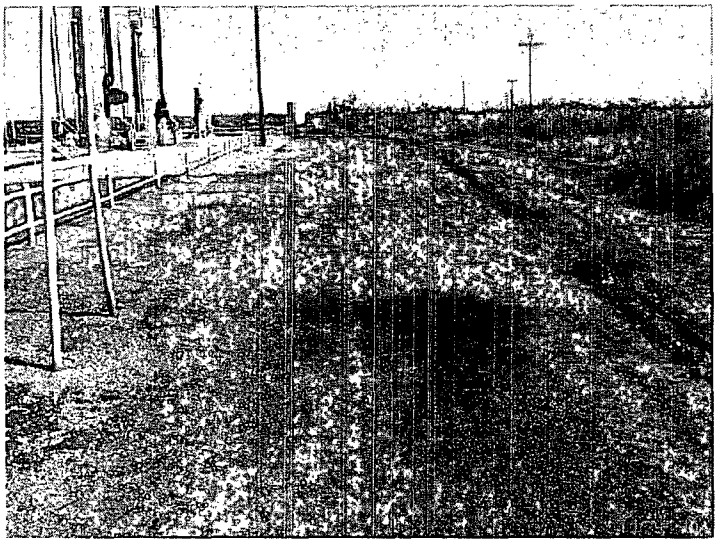

Photo #1: Release area, looking easterly. Dark stained soil indicates contamination.

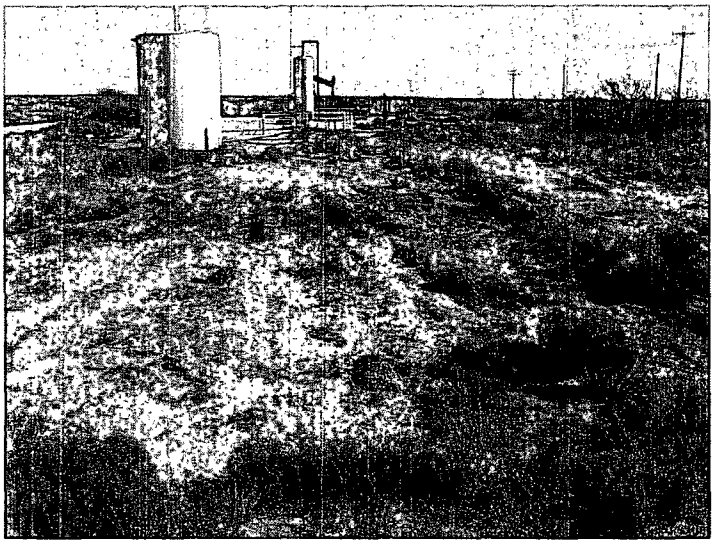

Photo #2: Release area, looking easterly. Notice soil staining in central portion of the photograph.

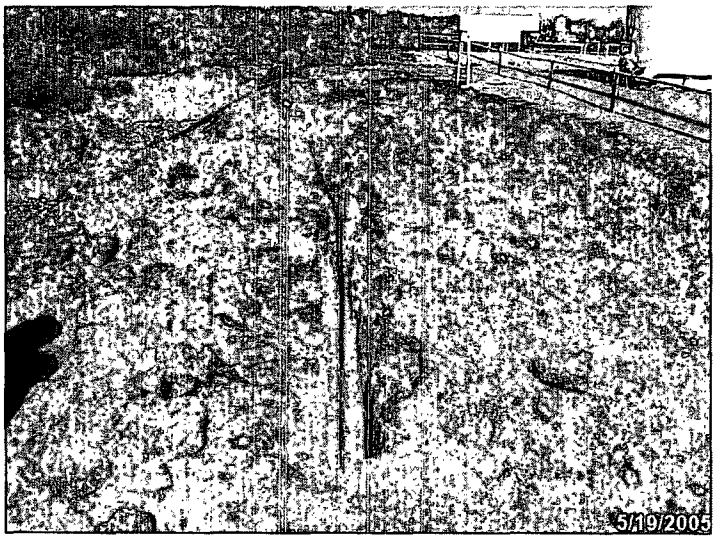

Photo #3: Excavation, looking westerly.

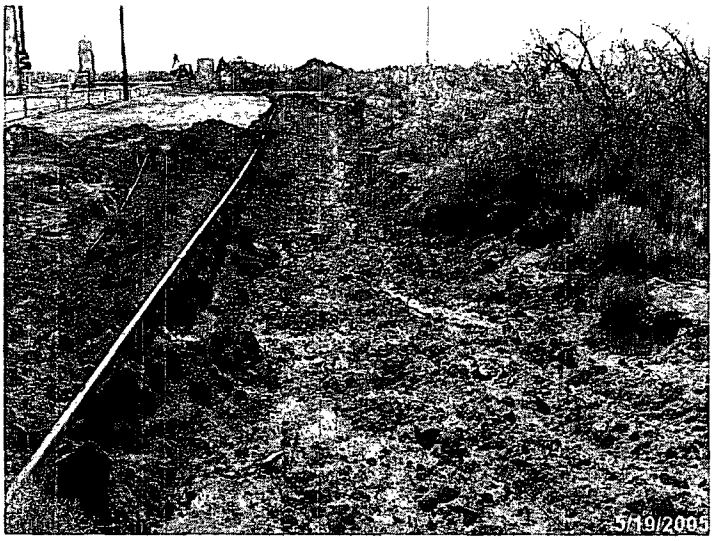

Photo #4: Excavation, looking easterly.

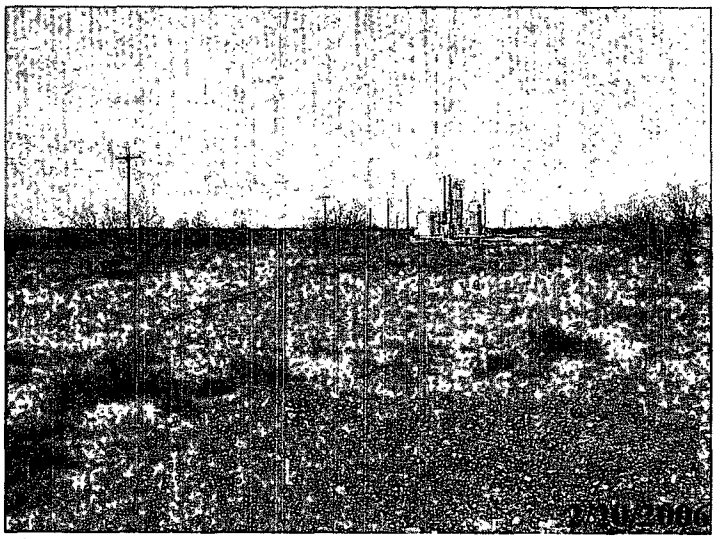

Photo #5: Current status of excavation, looking westerly.

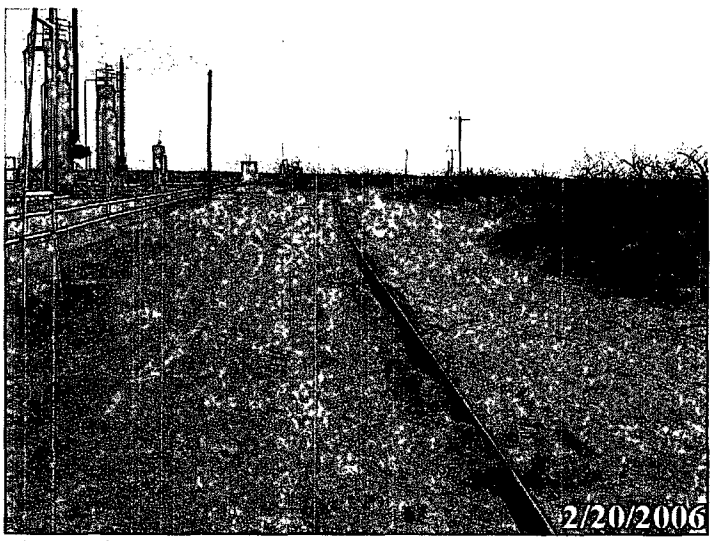

Photo #6: Current status of excavation, looking easterly.

APPENDIX III

SOIL BORING LOGS

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE
505-394-3481

Project Number: 150006

Project Name: Conoco Phillips State C-20 Battery

Location: UL-I, Section 20, Township 21 South, Range 36 East

Boring Number: SB-1 | Surface Elevation: 3,636

Start Date: 11/23/04 Time: 0849 hrs

Completion Date: 11/23/04 Time: 1017 hrs

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
0849	Grab	NA	Da	18.0	SP		SAND
						5	
0920	CS	10	Da	2.2	Caliche		Caliche
						10	
0927	CS	5	Dry	0.0	Caliche		Caliche
						15	End of Boring at 12.0'
						20	
						25	
						30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
11/23/04	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: HSA 3.5" ID

Backfill Method: Bentonite

Field Representative: MG

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE
505-394-3481

Project Number: 150006

Project Name: Conoco Phillips State C-20 Battery

Location: UL-I, Section 20, Township 21 South, Range 36 East

Boring Number: SB-2 | Surface Elevation: 3,636

Start Date: 11/23/04 Time: 10399 hrs

Completion Date: 11/23/04 Time: 1155 hrs

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
1045	Grab	NA	Da	21.3	SP		SAND
						5	
1057	CS	9	Da	11.3	Caliche		Caliche
						10	
1120	CS	8	Dry	0.3	Caliche		Caliche
						15	End of Boring at 12.0'
						20	
						25	
						30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
11/23/04	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: HSA 3.5" ID

Backfill Method: Bentonite

Field Representative: MG

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE
505-394-3481

Project Number: 150006

Project Name: Conoco Phillips State C-20 Battery

Location: UL-I, Section 20, Township 21 South, Range 36 East

Boring Number: SB-3 | Surface Elevation: 3,636

Start Date: 11/23/04 Time: 1314 hrs

Completion Date: 11/23/04 Time: 1418 hrs

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
1325	Grab	NA	Da	61.4	SP		SAND
						5	
1344	CS	8	Dry	5.0	Caliche		Caliche
						10	
1400	CS	10	Dry	0.0	Rock		Caliche
							End of Boring at 12.0'
						15	
						20	
						25	
						30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
11/23/04	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: HSA 3.5" ID

Backfill Method: Bentonite

Field Representative: MG

APPENDIX IV

FINAL NMOCD C-141 FORM

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 March 17, 1999

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 ConocoPhillips	**Contact** John Abney
Address 1410 N. West County Rd. Hobbs NM	**Telephone No.** 505-391-3128
Facility Name State C-20 Battery	**Facility Type** Oil and Gas

Surface Owner	**Mineral Owner**	**Lease No.**
~~Millard Deck Estate~~ State of New Mexico		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the North/South Line	Feet from the East/West Line	County: Lea Lat. N 32° 27' 45.1" Lon. W 103° 17' 27.0"
L	20	T21S	R36E			

1RP-897

NATURE OF RELEASE

Type of Release Oil	**Volume of Release** 32 bbls	**Volume Recovered** 30 bbls
Source of Release Tank Battery	**Date and Hour of Occurrence** 27 September 2004 @ 0300 hrs	**Date and Hour of Discovery** 27 September 2004 @ 0800 hrs
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Larry Johnson, NMOCD-Hobbs	
By Whom?	**When?** 27 September 2004	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.** NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Air compressor lost power causing pneumatically operated water dump valve to open. Upon discovery lease was shut in.

Describe Area Affected and Cleanup Action Taken.*
Spill area of approximately 535' X 509'. ~ 1,200 yd^3 of soil impacted above the NMOCD Remedial Guidelines was excavated from the remediation area. ~ 140 yd^3 was transported to J & L Landfarm for treatment. The remaining impacted soil was blended with clean soil obtained from the State of New Mexico to below NMOCD remedial thresholds and utilized as backfill. Upon completion of backfilling, the site was graded to allow natural drainage.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: John Abney

Printed Name: John Abney

E-mail Address: John.H.Abney@ConocoPhillips.com

Title: S.H.E.A.R. Specialist

Date: **Phone:** 505-391-3128

OIL CONSERVATION DIVISION

Approved by District Supervisor: ENVIRENGR

Approval Date: 5.24.06 **Expiration Date:**

Conditions of Approval: **Attached** ☐

* Attach Additional Sheets If Necessary