

LETTER OF TRANSMITTAL

ENVIRONMENTAL
PLUS, INC.



Date: September 15, 2005
To: Larry Johnson
 Company Name: New Mexico Oil Conservation Division
 Address: 1625 French Drive
 City / State / Zip: Hobbs, New Mexico 88240
 From: Jason Stegemoller
 CC: John Abney, C. John Coy
 Project #: 150006
 Project Name: ConocoPhillips State C-20 Battery Release Site
Subject: Site Characterization and Closure Proposal

# of originals	# of copies	Description
	1	Copy of the ConocoPhillips State C-20 Battery Release Site- Site Characterization and Closure Proposal

Remarks

Dear Mr. Johnson:

Enclosed is a copy of the Site Characterization and Closure Proposal for the above referenced site. Should you have any questions or concerns, please feel free to contact Iain Olness or me at (505) 394-3481.

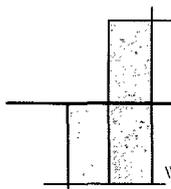
Sincerely,

Environmental Plus, Inc.

Jason Stegemoller



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



ConocoPhillips

IRP #51
9.27.05

**SITE CHARACTERIZATION
AND
CLOSURE PROPOSAL**

Rec'd
9.17.05

STATE C-20 BATTERY RELEASE SITE

(REF. #150006)

UL-L (NW¼ OF THE SW¼ OF SECTION 20, TOWNSHIP 21S, RANGE 36 E

~8 MILES WEST-NORTHWEST OF EUNICE, LEA COUNTY, NEW MEXICO

LATITUDE: N32° 27' 45.1"

LONGITUDE: W103° 17' 27.0"

SEPTEMBER 2005

PREPARED BY:

Environmental Plus, Inc.

2100 Avenue O

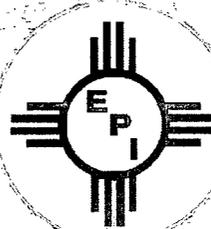
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Distribution List

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File	--	EPI	P. O. Box 1558 Eunice, NM 88231	iolness@envplus.net

NMOCD - New Mexico Oil Conservation Division
EPI - Environmental Plus, Inc.

Standard of Care

Site Characterization and Closure Proposal

State C-20 Battery Release Site

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
Jason Stegemoller, M.S.
Environmental Scientist

15 September 2005
Date

This report was reviewed by:

Iain A. Olness
Iain A. Olness, P.G.
Hydrogeologist

15 September 2005
Date

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1.0 Introduction & Background

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 approximately 8 miles East-Northeast of Eunice, Lea County, New Mexico (reference *Figure 1*). 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 initial site consisted of an approximate 16,650 square feet (ft²) 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. A portion of each sample was placed in a self sealing polyethylene bag and set in a heated environment (i.e., truck cabin) to allow for volatilization of organic vapors. After the samples had been allowed to equilibrate to $\approx 70^{\circ}$ F, they were analyzed in the field for the presence of organic vapors utilizing a UltraRae Photoionization Detector (PID) equipped with a 9.8 electron-volt (eV) lamp. The remaining portion of each sample was placed in a laboratory provided container, set on ice for transport and submitted for laboratory quantification of total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Analytical results indicated that impacted soil was limited within five-feet below ground surface (bgs).

Once the extents of contamination had been delineated, remediation activities commenced. Remediation of this site consisted of the excavation of approximately 1,200 cubic yards (yds³) of contaminated soil to a maximum depth of four-feet bgs. Approximately 140 yds³ of impacted soil was transported to J&L Land Farm for treatment. The remaining impacted soil was blended with approximately 210 yds³ of clean soil purchased from the State of New Mexico and obtained from State Pit number 562. On May 23, 2005, eight soil samples were collected from the excavation. A portion of each sample was analyzed in the field for the presence of organic vapors utilizing an UltraRae PID equipped with a 9.8 eV lamp. The remaining portion of each sample was submitted for laboratory quantification of chloride, TPH and BTEX constituent concentrations. Analytical results indicated that soil hydrocarbon concentrations were below NMOCD remedial thresholds. 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. The excavation phase of the site remediation commenced on April 29, 2005 and continued through May 23, 2005.

This release site is located in Unit Letter L, (NW $\frac{1}{4}$ of the SE $\frac{1}{4}$), Section 20, T21S, R36E, N32 $^{\circ}$ 27' 45.1" and W103 $^{\circ}$ 17' 27.0". The site is approximately 8-miles west-northwest of Eunice, New Mexico. The property is owned by the State of New Mexico and leased by DASCO Cattle Company (reference *Figures 1 through 3*).

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 (*Quercus 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 Ground Water

The unconfined groundwater aquifer at this site is projected to be ≈205-ft bgs based on limited water depth data obtained from the New Mexico State Engineers Office data base. Ground water 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.

2.5 Area Surface Water Features

No surface water bodies exist within 1,000 horizontal feet of the site.

3.0 NMOCD Site Ranking

Contaminant delineation and remedial work done at this site indicate that 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 (CoC), i.e., TPH^{8015m}, benzene, and the mass sum of benzene, toluene, ethylbenzene, and total xylenes (BTEX), were determined based on the NMOCD Ranking Criteria as follows:

- ◆ *Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.*
- ◆ *Wellhead Protection Area, i.e., distance from fresh water supply wells.*
- ◆ *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 0 points with the soil remedial goals highlighted in the Site Ranking table presented below.

1. Ground Water		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	
Ground Water Score = 0		Wellhead Protection Score= 0		Surface Water Score= 0	
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 Subsurface Soil Investigation

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 level 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 (MDL), and BTEX concentrations

were 116 µg/Kg, both were below NMOCD remedial thresholds. Analytical results of soil samples obtained from five and ten-foot bgs indicated that benzene and BTEX constituents were not detected at or above laboratory MDL. TPH at five-foot bgs was detected, however concentrations could only be estimated 9.35 mg/Kg. TPH concentrations at ten-foot bgs were not detected at or above laboratory MDL. All hydrocarbon concentrations from SB-1 at five and ten-foot 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 level were 20,500 mg/Kg, in excess of NMOCD remedial threshold. Benzene concentrations were reported to be 31.9 µg/Kg, and BTEX constituents concentrations were 2,765 µg/Kg; both were below NMOCD remedial goals. Analyses of soil samples collected from five and ten-foot bgs indicated benzene and BTEX constituents were not detected at or above laboratory MDL. TPH concentrations from five and ten-foot bgs were 1,520 and 16.4 mg/Kg, respectively. All analytes from soil samples obtained at five and ten-foot bgs intervals were below NMOCD remedial thresholds (*reference Table 1*).

Laboratory analyses of soil samples collected from soil boring SB-3 indicated TPH concentrations in the surface level were 29,500 mg/Kg, in excess of NMOCD remedial goals. Benzene and BTEX concentrations were reported to be 31.9 and 2,765 µg/Kg, respectively. Analyses of soil samples collected from five and ten-foot bgs indicated that 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-foot bgs were detected, however could only be estimated at 9.19 mg/Kg. All analytes from soil samples obtained at five and ten-foot bgs intervals were below NMOCD remedial thresholds (*reference Table 1*).

Upon 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*).

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 that 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*).

5.0 Ground Water Investigation

The projected depth to ground water at this site is ≈205-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 (*reference Table 2*).

6.0 Remediation Process

Remediation of the site commenced on April 29, 2004 and continued through May 23, 2004. Remedial activities at the site consisted of excavation of approximately 1,200 yd³ of contaminated soil from the site. Approximately 140 yd³ of impacted soil was transported to J&L Land Farm for treatment. The remaining contaminated soil was blended with clean soil purchased from the State of New Mexico and obtained from State Pit number 562 to below NMOCD remedial thresholds. Laboratory analyses of samples CPSC20BSSPC, CPSC20BNSPC and CPSC20BNSP-1-4 confirmed blending activities had achieved NMOCD remedial goals (*reference Table 2 and Appendix 1*). Field and laboratory analyses of soil samples obtained from the excavation on May 23, 2005 indicated that all remedial goals had been achieved.

7.0 Recommendations

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 a land farm for treatment; the remaining impacted soil was blended with clean soil to achieve NMOCD remedial goals. Based on the data presented in this report, Environmental Plus, Inc. recommends the excavation be backfilled with the remediated/blended soil, contoured and graded to allow natural drainage and seeded with a native range type grass.

FIGURES

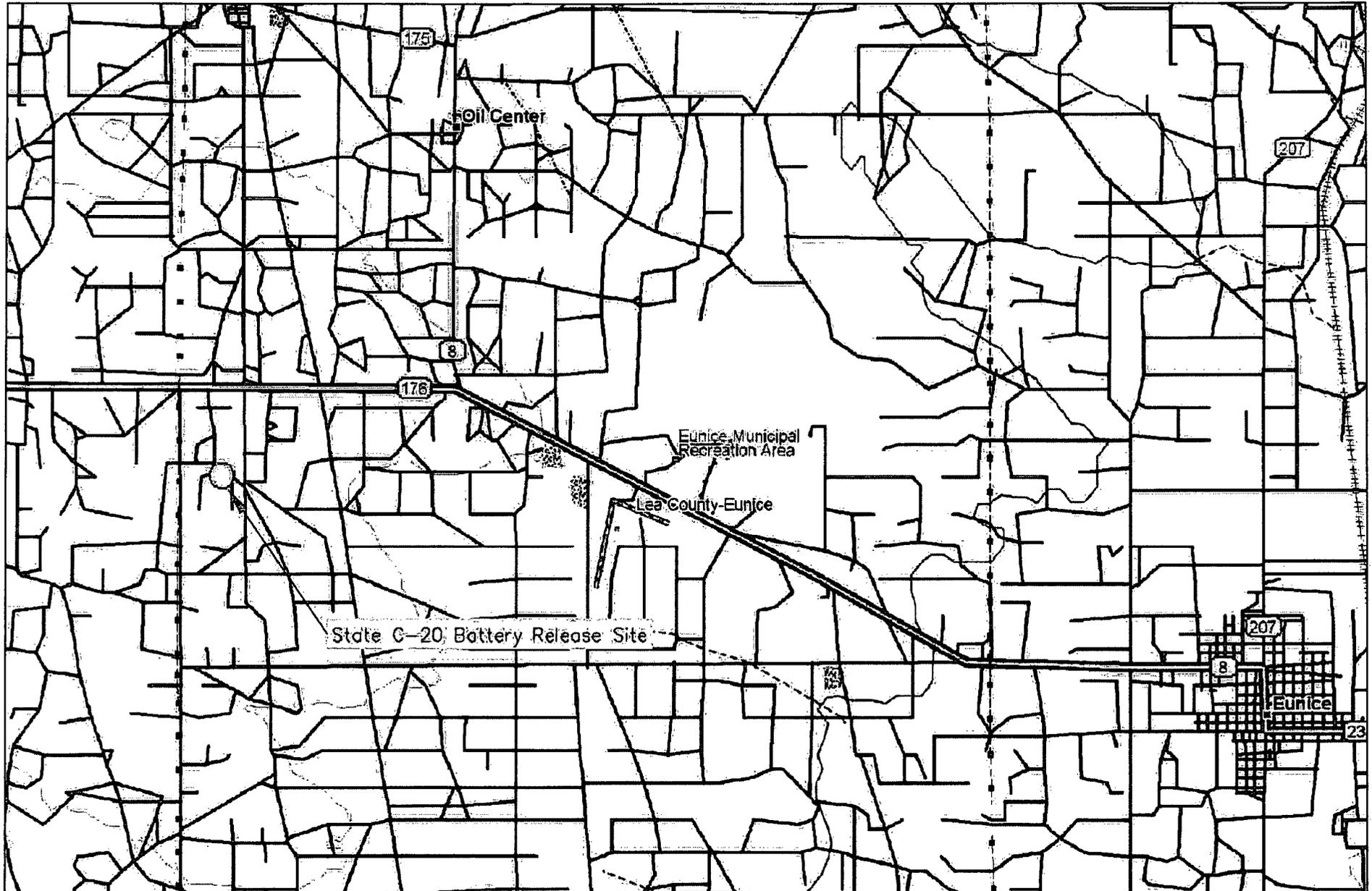


Figure 1
 Area Map
 Conoco Phillips
 State C-20 Battery

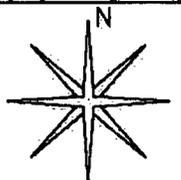
Lea County, New Mexico
 NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E
 N 32° 27' 45.1" W 103° 17' 27.0"
 Elevation: 3,636 feet amsl

DWG By: Iain Olness
 December 2004

REVISED:



SHEET
 1 of 1



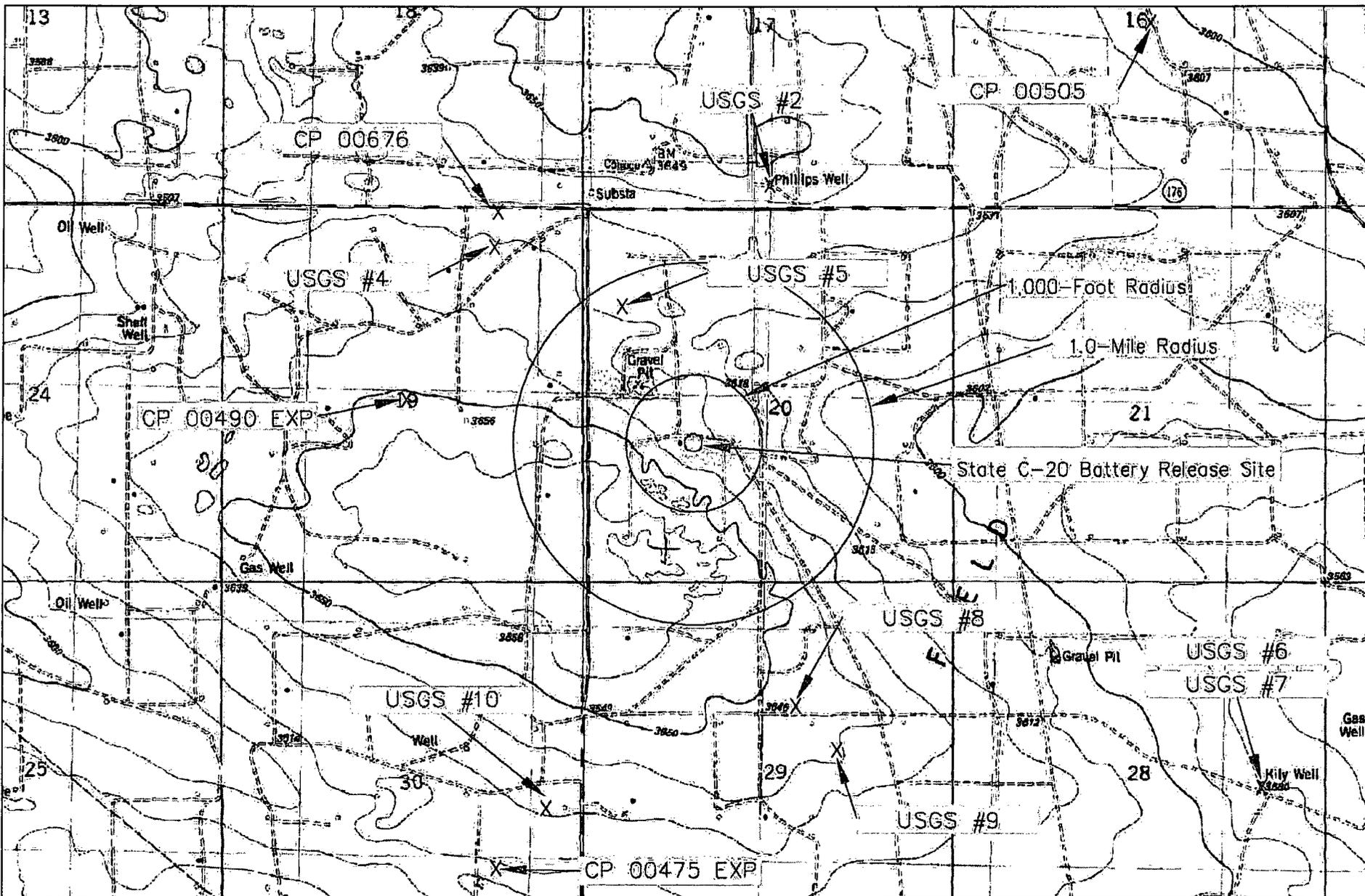


Figure 2
 Site and Water Well Location Map
 Conoco Phillips
 State C-20 Battery

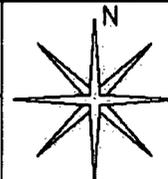
Lea County, New Mexico
 NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E
 N 32° 27' 45.1" W 103° 17' 27.0"
 Elevation: 3,636 feet amsl

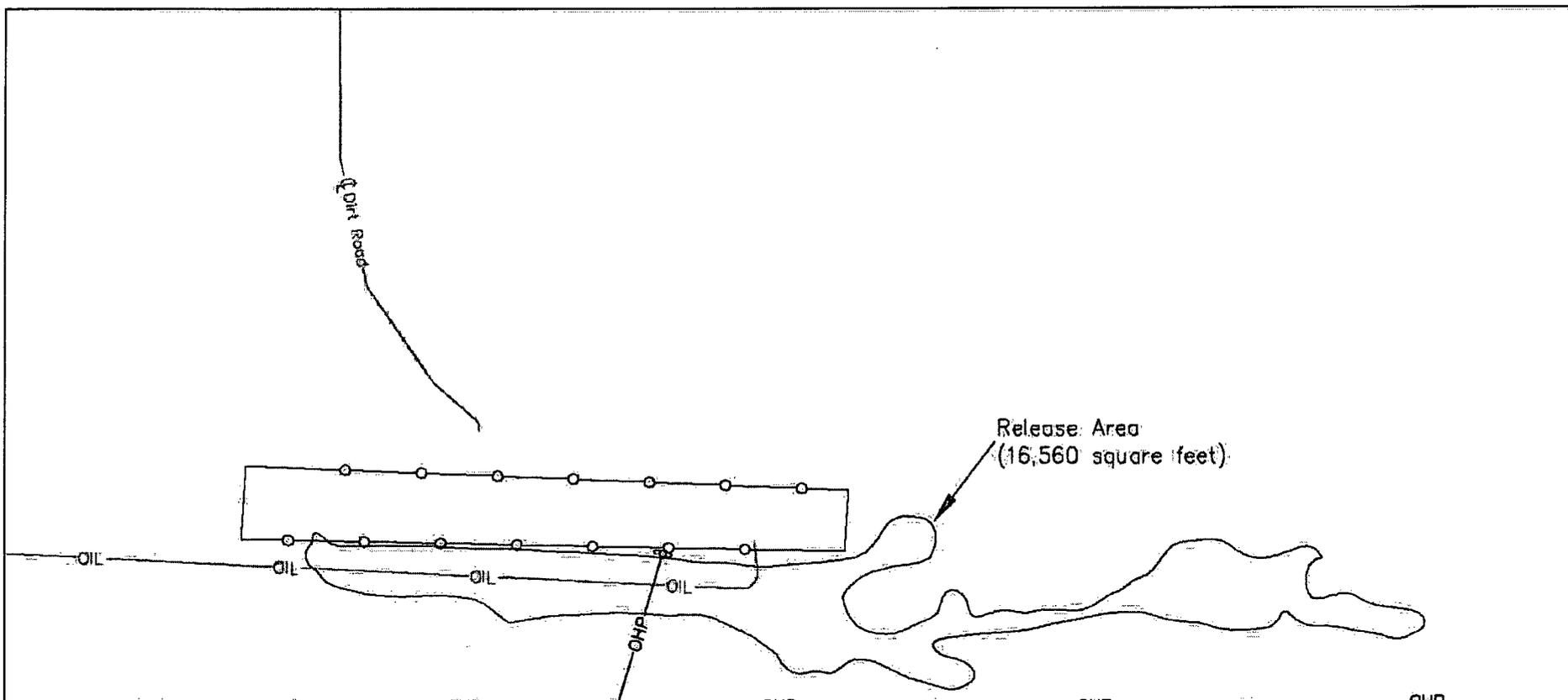
DWG By: Iain Olness
 December 2004

REVISED:



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 1 of 1





LEGEND	
- - - - -	Access Road
— OIL —	Oil Pipeline
— ○ —	Fence
— OHP —	Overhead Power
○	Utility Pole

Figure 3
 Site Map
 Conoco Phillips
 State C-20 Battery

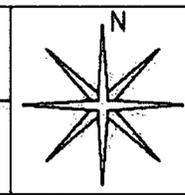
Lea County, New Mexico
 NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E
 N 32° 27' 45.1" W 103° 17' 27.0"
 Elevation: 3,636 feet amsl

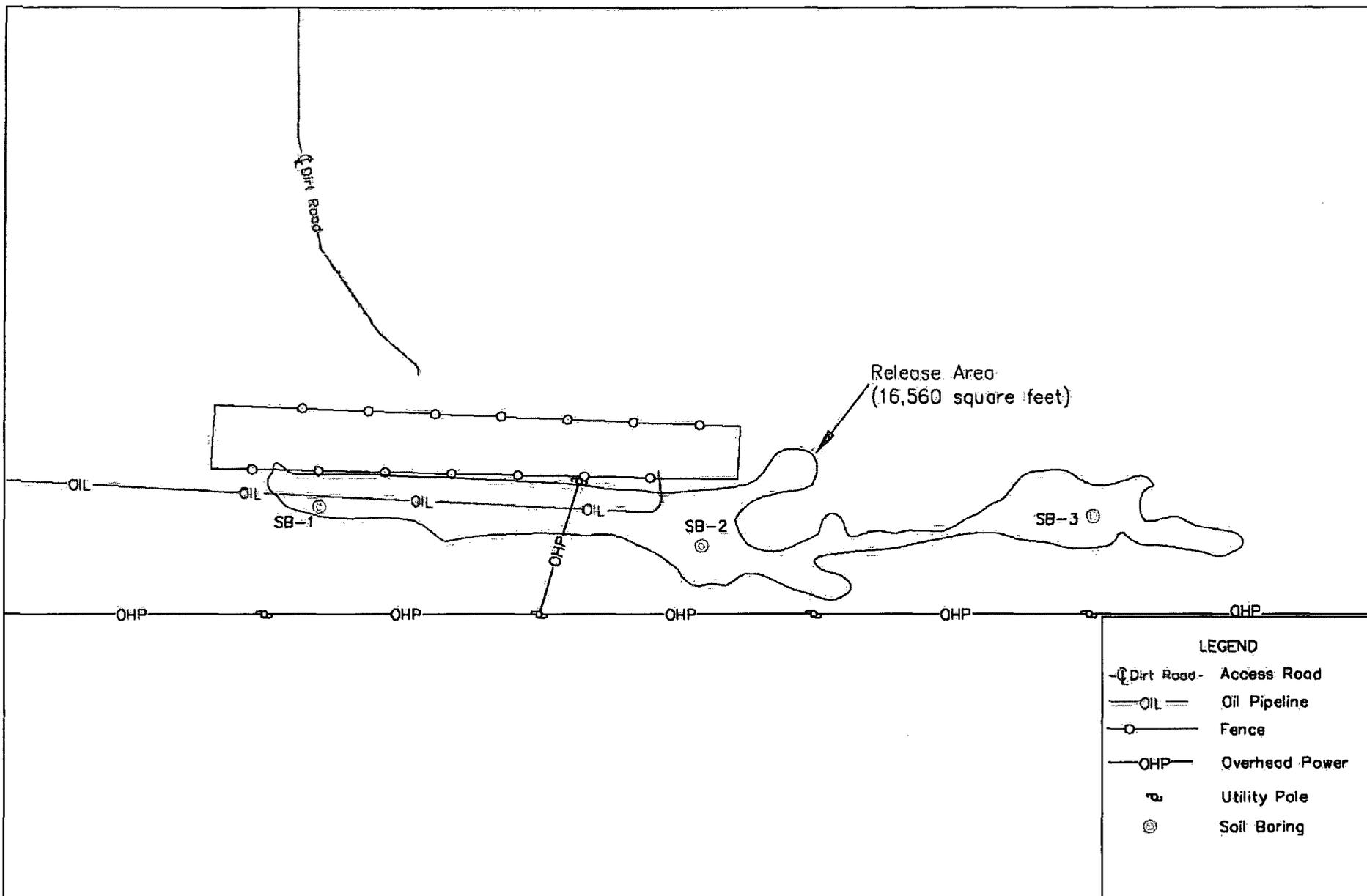
DWG By: Iain Olness
 December 2004

0 75 150
 Feet

REVISED:

SHEET
 1 of 1





LEGEND	
-Dirt Road-	Access Road
—OIL—	Oil Pipeline
—○—	Fence
—OHP—	Overhead Power
⊙	Utility Pole
⊙	Soil Boring

Figure 4
Soil Boring Location Map
Conoco Phillips
State C-20 Battery

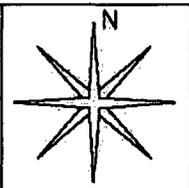
Lea County, New Mexico
NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E
N 32° 27' 45.1" W 103° 17' 27.0"
Elevation: 3,636 feet amsl

DWG By: Iain Olness
December 2004

0 75 150
Feet

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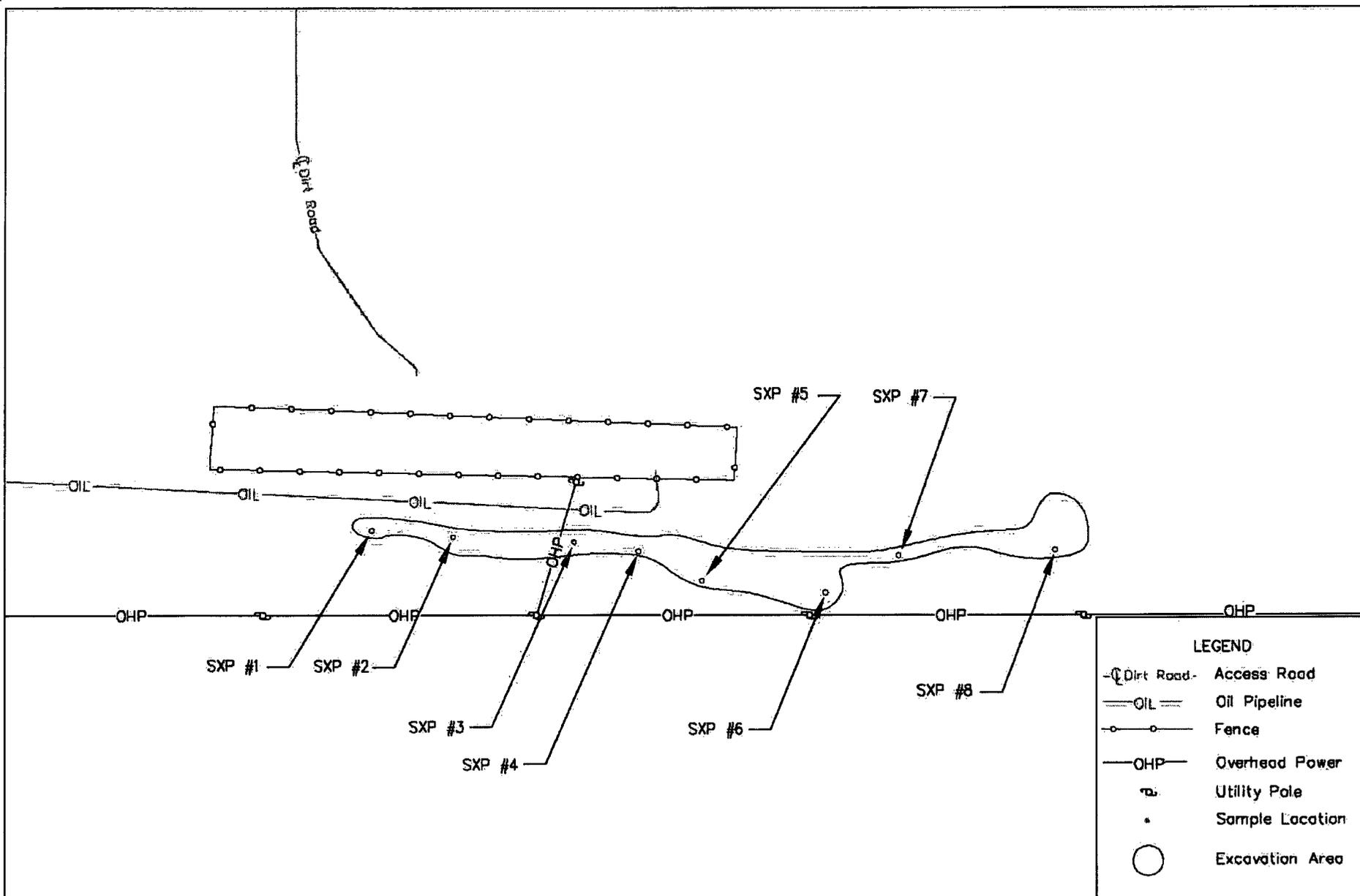
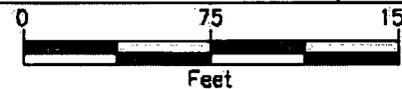


Figure 5
 Sample Location Map
 Conoco Phillips
 State C-20 Battery

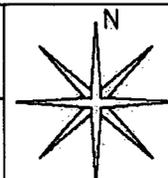
Lea County, New Mexico
 NW 1/4 of the SW 1/4, Sec. 20, T21S, R36E
 N 32° 27' 45.1" W 103° 17' 27.0"
 Elevation: 3,636 feet amsl

DWG By: Iain Olness
 December 2004

REVISED:
 JCS, July 2005



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 ¹	70.1	26.4	97	322	13,100	13,400
	5	23-Nov-04	2.2	<25	<25	<25	<25	<25	<125	<10	9.35 ¹	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 ¹	9.19
NMOCD Remedial Thresholds			100³	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 analyses of benzene, toluene, ethylbenzene and total xylenes.

¹ 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	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	2.3	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	160
SXP #2	2	23-May-05	16.4	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	144
SXP #3	2	23-May-05	4.2	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	112
SXP #4	2	23-May-05	21.1	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	64
SXP #5	2	23-May-05	88.4	0.011	0.003	<0.002	0.006	0.020	<10	176	176	80
SXP #6	2	23-May-05	156.0	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	202	160
SXP #7	4	23-May-05	25.6	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	518	48
SXP #8	2	23-May-05	56.7	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	112
CPSC20BSSPC	Comp	25-May-05	NA	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	80
CPSC20BNSPC	Comp	25-May-05	NA	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	80
CPSC20BNSP-1-4	Comp	25-May-05	NA	<0.002	<0.002	<0.002	<0.006	<0.0012	<10	<10	<10	96
NMOC Remedial Thresholds			100³	10				50			5,000	250^A

¹ Bolded values are in excess of the NMOC Remediation Thresholds

² NA : Not Analyzed

³ In lieu of laboratory analyses of benzene, toluene, ethylbenzene and total xylenes.

Comp= Composite Sample

^A= Chloride residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 ppm.

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

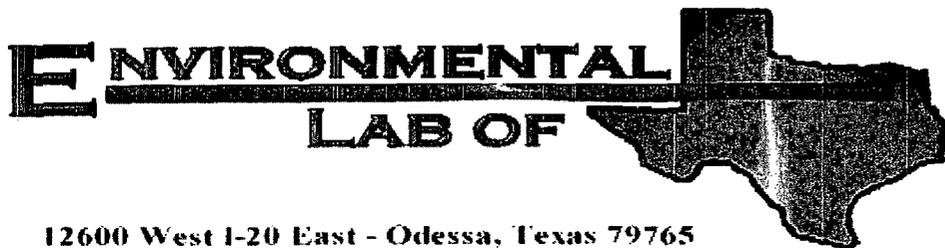
quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

APPENDIX I

LABORATORY ANALYTICAL REPORTS

AND

CHAIN-OF-CUSTODY FORMS



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
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

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

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	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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 (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		"	"	"	"		

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-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	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %		80-120	"	"	"	"		
<i>Surrogate: 4-Bromofluorobenzene</i>		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	
<i>Surrogate: 1-Chlorooctane</i>		122 %		70-130	"	"	"	"		
<i>Surrogate: 1-Chlorooctadecane</i>		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	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		112 %		80-120	"	"	"	"		
<i>Surrogate: 4-Bromofluorobenzene</i>		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	
<i>Surrogate: 1-Chlorooctane</i>		27.1 %		70-130	"	"	"	"		S-06
<i>Surrogate: 1-Chlorooctadecane</i>		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	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %		80-120	"	"	"	"		
<i>Surrogate: 4-Bromofluorobenzene</i>		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	

Environmental Lab of Texas

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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
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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	"	"	"	"		



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 ₈ -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

Bryan J. Cook
 Chemist

6/13/05
 Date

H9817.XLS

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 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 NUMBER \ 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

Jennelle DeBain
 Chemist

5/26/2005
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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PHONE (505) 393-2328 • 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

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79608
915-673-7001 Fax 915-673-7020

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

Company Name <i>Conoco Phillips</i>			Bill To										Analysis Request										
Project Manager <i>John Abney</i>			ENVIRONMENTAL PLUS INC. Conoco Phillips Attn. John Abney 1410 West 8 th CR, Hobbs, NM 88240										BTEX 8021B TPH 8015 Modified CI SAR EC										
Address <i>1410 West</i>																							
City, State, Zip <i>Hobbs, NM 88240</i>																							
Phone#/Fax# <i>(505) 391-3128 / (505) 391-3122</i>																							
Project #/Owner <i>150006</i>																							
Project Name <i>State C 20</i>																							
Project Location <i>UL-H, Sec 4, T21S, R 36E</i>																							
Sampler Name <i>Jac Gatts</i>																							
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	BTEX 8021B	TPH 8015 Modified	CI	SAR	EC		
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER											
<i>H9817-1</i>	<i>SXP # 1</i>	<i>RG</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0800</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>H9817-2</i>	<i>SXP # 2</i>	<i>RG</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0806</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>-3</i>	<i>SXP # 3</i>	<i>RG</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0812</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>-4</i>	<i>SXP # 4</i>	<i>RG</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0817</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>-5</i>	<i>SXP # 5</i>	<i>G</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0825</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>-6</i>	<i>SXP # 6</i>	<i>G</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0832</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>-7</i>	<i>SXP # 7</i>	<i>G</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0840</i>	<i>X</i>	<i>X</i>	<i>X</i>					
<i>-8</i>	<i>SXP # 8</i>	<i>G</i>	<i>1</i>			<i>X</i>								<i>5/23</i>	<i>0847</i>	<i>X</i>	<i>X</i>	<i>X</i>					
Sample Relinquished:		<i>5/24/05</i>		Received By: <i>[Signature]</i>										Fax results to <i>Pete McCasland 505-394-2601</i>									
<i>Jain Oiness</i>		<i>12:30</i>		Received By: <i>[Signature]</i>										Remarks: <i>Jain Oiness</i>									
Relinquished By:		Date		Received By: <i>[Signature]</i>																			
		Time																					
Delivered by Sampler		Sample Cool & Intact		Checked By:																			
		<i>Yes</i>																					

(1)



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


 Date

H9824.XLS

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL 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

APPENDIX II

PROJECT PHOTOGRAPHS

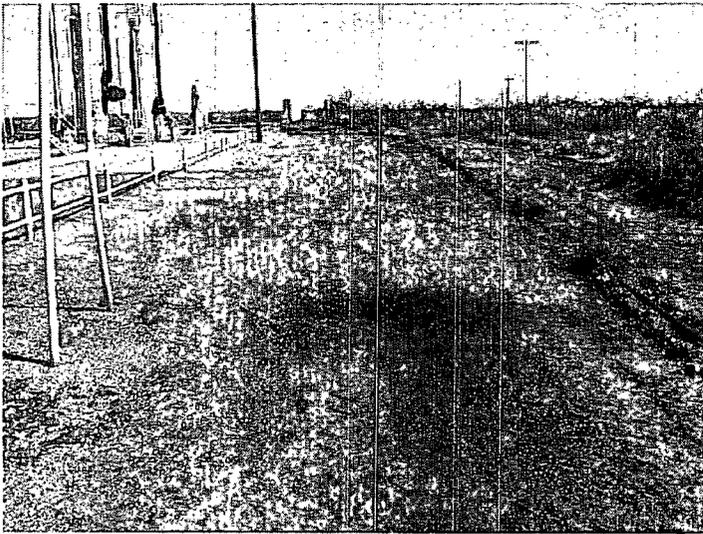


Photo #1: Release area, looking easterly. Dark stained soil indicates contamination.

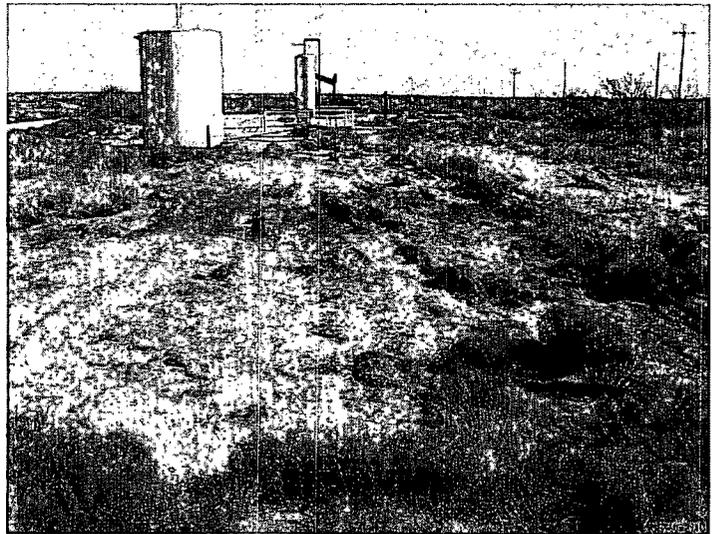


Photo #2: Release area, looking easterly. Notice soil staining in central portion of the photograph.

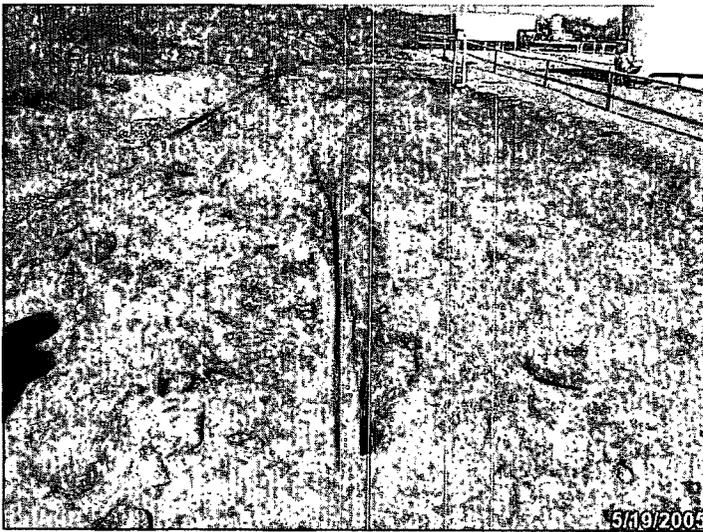


Photo #3: Excavation, looking westerly.



Photo #4: Excavation, looking easterly.

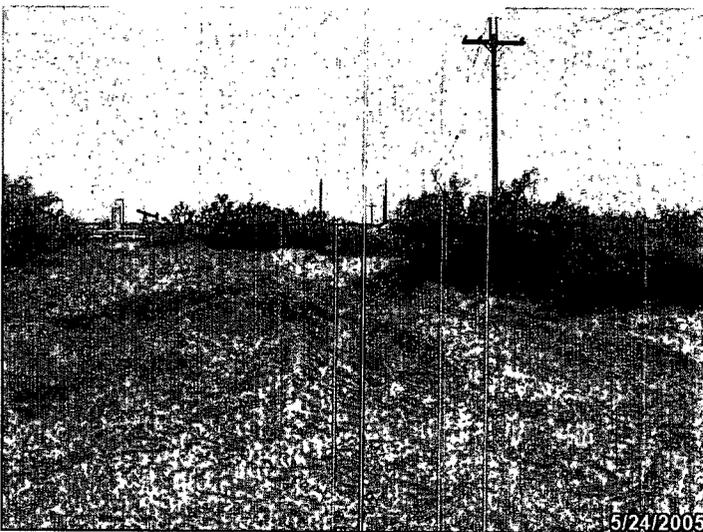


Photo #5: Current status of excavation, looking easterly.



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

APPENDIX III

INITIAL 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-14
Revised October 10, 200

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 Company	Contact John Abney
Address 4001 Penbrook Street Odessa, TX 79762	Telephone No. (505)391-3128
Facility Name State C-20 Battery	Facility Type Oil and Gas
Surface Owner State of New Mexico	Mineral Owner State of New Mexico
Lease No. NM-14758	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	20	21S	36E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil	Volume of Release 32 bbls	Volume Recovered 30 bbls
Source of Release Tank	Date and Hour of Occurrence 9/27/04 4:00am	Date and Hour of Discovery 9/27/04 8a
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson	
By Whom? John Abney	Date and Hour 9/27/04	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Lost power, due to thunderstorms, this caused the air compressor to lose air which operates the water dump valve. Shut in the lease to stop the leak and called for vacuum truck to pick up the free fluids.

Describe Area Affected and Cleanup Action Taken.*
Affected area is 535' X 50'. We were able to pick up 30 bbls of oil and used a backhoe to backdrag the area to soak up any remaining fluid.

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: 	OIL CONSERVATION DIVISION	
Printed Name: John Abney	Approved by District Supervisor:	
Title: SHEaR Specialist	Approval Date:	Expiration Date:
E-mail Address: john.h.abney@conocophillips.com	Conditions of Approval:	
Date: 9-30-04 Phone: (505)391-3128	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary