

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

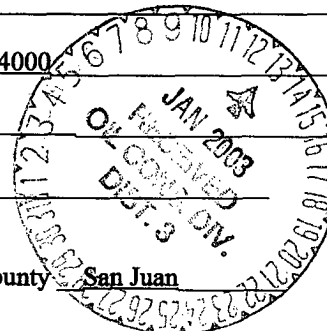
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit 1 copy to  
appropriate  
District Office  
and 1 copy to  
the Santa Fe Office

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Calpine Natural Gas Company L.P. Telephone: 713-335-4000  
Address: 1000 Louisiana, Suite 800, Houston, Texas 77002  
Facility Or: Roosevelt No. 1 - Separation Pit  
Well Name \_\_\_\_\_  
Location: Unit or Qtr/Qtr Sec NE SE Sec 22 T 30N R 14W County San Juan  
Pit Type: Separator X Dehydrator \_\_\_\_\_ Other \_\_\_\_\_  
Land Type: BLM X, State \_\_\_\_\_, Fee \_\_\_\_\_ Other \_\_\_\_\_



Pit Location: Pit dimensions: length 27 ft., width 25 ft., depth 6.0 ft.

(Attach diagram)

Reference: wellhead \_\_\_\_\_, other stack pack

Footage from reference: 24 ft.

Direction from reference: 74 Degrees \_\_\_\_\_ East North X  
of  
X West South \_\_\_\_\_

Depth To Ground Water	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	( 0 points) <u>10</u>
high water elevation of		
ground water.)		

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private	No ( 0 points) <u>0</u>
domestic water source, or; less than	
1000 feet from all other water sources.)	

Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	( 0 points) <u>0</u>
irrigation canals and ditches.)		

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: -- Date completed: 03/01/02

Remediation Method: Excavation X Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections.) Landfarmed X Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite ☒ Offsite \_\_\_\_\_  
(i.e. landfarmed onsite,  
name and location of  
offsite facility) \_\_\_\_\_

General Description of Remedial Action: Excavated to bedrock. Spread soil in landfarm area (see Roosevelt No. 1 plat). Fertilized; tilled landfarm area after each rain. Landfarm area sampled 11/26/02 by Walsh Engineering - analysis follows: \_\_\_\_\_

GRO - Not Detected; DRO - Not Detected \_\_\_\_\_

Benzene, ethylbenzene, toluene, xylenes - Not Detected (see attached iina ba laboratory report) \_\_\_\_\_

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location See attached plat - bottom grab sample on 01/18/02, 4 side walls to 3 ft depth and composited. \_\_\_\_\_

Sample depth 6.0 ft \_\_\_\_\_

Sample Date 01/18/02 (btm) and 03/06/02 Sample time 1050 and 1555 \_\_\_\_\_

Sample Results

Benzene(ppm) ND \_\_\_\_\_

Total BTEX(ppm) btm - ND; sides - < 30 \_\_\_\_\_

Field headspace(ppm) NA \_\_\_\_\_

Ground Water Sample: TPH btm - 140 ppm; sides - 521 ppm \_\_\_\_\_

Yes \_\_\_\_\_ No ☒ (If yes, attach sample results)

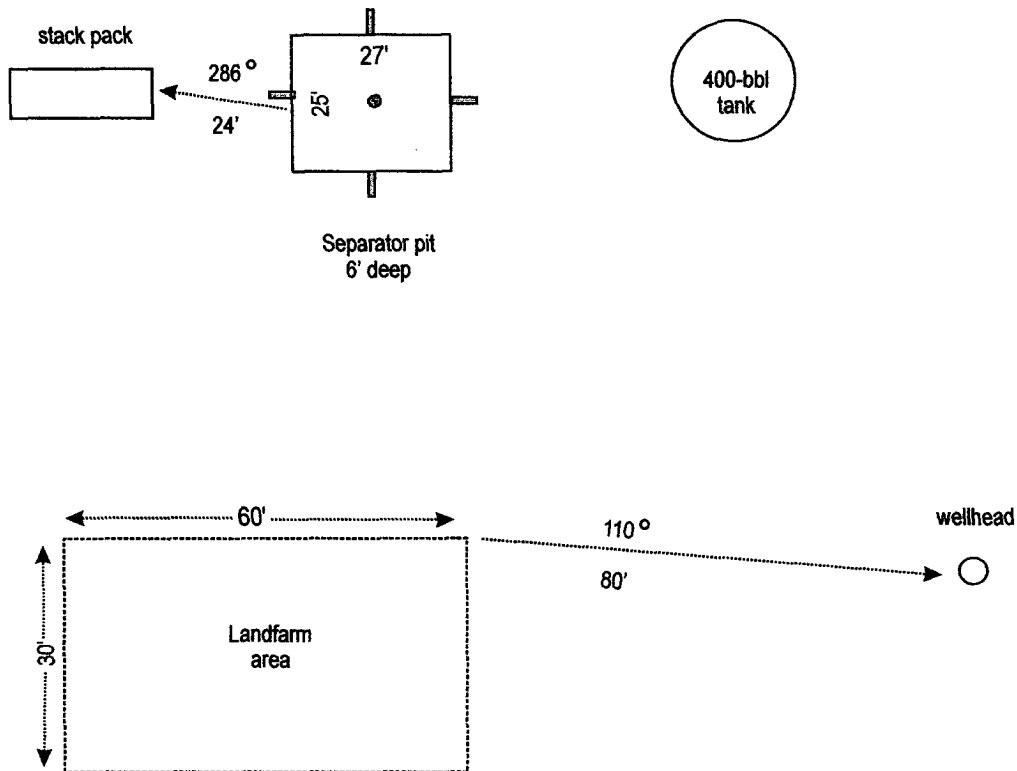
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Date January 6, 2003

Signature



Printed Name - M. Kyle Tudor  
and Title - Environmental Consultant



#### LEGEND



Pit bottom samples



Pit side samples - composited;  
samples taken from 2.5'-3' into pit side -  
refusal at 2' west side of separator pit

180°



46'

Magnetic azimuth and distance to

**NOT TO SCALE**

Prepared by:  
CEG, Inc.  
Houston, Texas

Date: 08/02/02

### **PIT CLOSURE REPORT**

Calpine Natural Gas Company L.P.  
San Juan County, New Mexico

**ROOSEVELT NUMBER 1**

**SEPARATOR PIT**

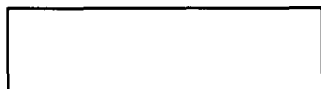
**LEASE NO.: NM20314**

# PLAN VIEW

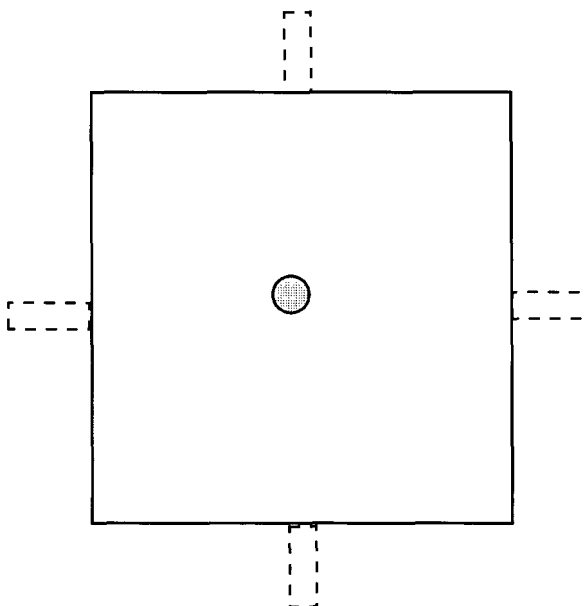


←----- 27' -----→

Stack pack - sep. and line heater



25'

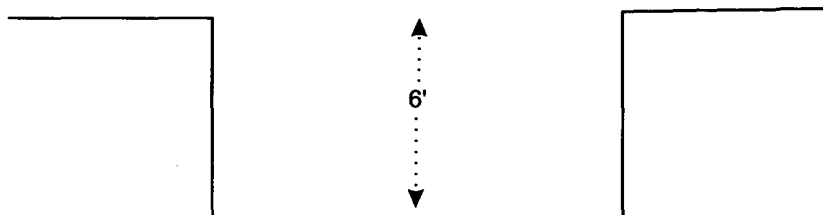


Pit bottom sample - taken 01/18/02  
at top bedrock



Pit side samples - composited  
samples taken from 2.5'-3' into side.  
West side sample - refusal at 2'

# PIT PROFILE



Excavated to bedrock

Prepared by:  
CEG, Inc.  
Houston, Texas

Date:  
03/16/2002

**PIT CLOSURE REPORT**  
Calpine Natural Gas Company L.P.  
San Juan County, New Mexico

ROOSEVELT NO. 1  
SEPERATOR PIT

LEASE NO.: NM 20314

OFF: (505) 325-5667  
FAX: (505) 327-1496



LAB: (505) 325-1556  
FAX: (505) 327-1496

## ANALYTICAL REPORT

Date: 04-Feb-02

Client:	Calpine	Client Sample Info:	Calpine Pit Locations
Work Order:	0201022	Client Sample ID:	Roosevelt #1 Production Pit
Lab ID:	0201022-06A	Matrix:	SOIL
Project:	Calpine Pit Locations	Collection Date:	01/18/2002 10:50:00 AM
		COC Record:	11737

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: <b>MDM</b>
T/R Hydrocarbons: C10-C28	140	25		mg/Kg	1	01/31/2002
<b>AROMATIC VOLATILES BY GC/MS</b>		<b>SW8021B</b>				Analyst: <b>ENR</b>
Benzene	ND	25		µg/Kg	25	01/24/2002
Toluene	ND	50		µg/Kg	25	01/24/2002
Ethylbenzene	ND	25		µg/Kg	25	01/24/2002
m,p-Xylene	ND	50		µg/Kg	25	01/24/2002
o-Xylene	ND	25		µg/Kg	25	01/24/2002

**Qualifiers:**

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

BB - Analyte detected in the associated Method Blank

Surr - Surrogate

PO. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

1 of 1

612 E. Murray Drive  
Farmington, NM 87401

Off: (505) 327-1072

# iiná bá

P.O. Box 2606  
Farmington, NM 87499

Fax: (505) 327-1496

Date: 04-Dec-02

**CLIENT:** Calpine  
**Work Order:** 0211034  
**Project:** Landfarm  
**Lab ID:** 0211034-003A

**Client Sample Info:** Landfarm  
**Client Sample ID:** Roosevelt #1  
**Collection Date:** 11/26/2002 2:48:00 PM  
**Matrix:** SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: JEM
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	12/2/2002
<b>GASOLINE RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: JEM
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	12/1/2002
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: JEM
Benzene	ND	25		µg/Kg	25	12/2/2002
Ethylbenzene	ND	25		µg/Kg	25	12/2/2002
m,p-Xylene	ND	50		µg/Kg	25	12/2/2002
o-Xylene	ND	25		µg/Kg	25	12/2/2002
Toluene	ND	50		µg/Kg	25	12/2/2002

**Qualifiers:**

ND - Not Detected at the Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted precision limits

E - Value above Upper Quantitation Limit - UQL