

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

30-045-10190

Operator: Amoco Production (Site Closed by El Paso Field Services) Telephone: _____

Address: _____

Facility Or: Atlantic B LS 7, Meter 70177

Well Name _____

Location: Unit or Qtr/Qtr Sec A Sec 34 T 31 R 10 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

Land Type: BLM _____, State _____, Fee X Other _____

Pit Location: Pit dimensions: length 52', width 28', depth 4'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 112'

Direction from reference: 5 Degrees X East North _____
of
_____ 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: 09/30/94 Date completed: 09/30/94

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections.) Landfarmed _____ Insitu Bioremediation _____

Other Backfill Pit Without Excavation

Remediation Location: Onsite N/A Offsite N/A
(i.e. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: No line marker. Dug a test hole to 12'. Soil dark gray with a smell.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Four walls and center of pit composite

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

Sample depth 12'

Sample Date 09/30/94 Sample time 09:00

Sample Results

Benzene(ppm) Not reported

Total BTEX(ppm) Not reported

Field headspace(ppm) 334

TPH 8750

Ground Water Sample: Yes _____ No X (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 4/22/03

Signature Scott T. Pope

Printed Name
and Title Scott Pope, Senior Environmental Scientist



PIT CLOSURE REQUEST

Atlantic B LS 7
Meter/Line ID 70177

SITE DETAILS

Legals - Twn: 31N	Rng: 10W	Sec: 34	Unit: A
NMOCD Hazard Ranking: 10		Land Type: Fee	
Operator: Amoco Production Company		Pit Closure Date: 9/30/94	

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet (ft) below ground surface (bgs) and a soil sample was collected for field headspace and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 334 ppm, while the laboratory reports indicated a TPH concentration of 8,750 mg/kg. The TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score.

No soil was disposed of off site. The pit backfilled with clean soil from the surrounding berms and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was not completed.

A Phase III excavation was performed where approximately 208 cubic yards of impacted soil along with 46 cubic yards of overburden were removed. The pit dimensions were approximately 24'x18'x13' deep, and the excavated soils were hauled to the Envirotech land farm. The excavation was completed to 13 feet where sandstone refusal was met and a soil sample was collected for field headspace and laboratory analyses for TPH and total BTEX. No groundwater was encountered in the excavation. Headspace analysis indicated an organic vapor content of 2,999 ppm, laboratory analysis indicated a benzene concentration of <1 mg/kg, a total BTEX concentration of 16.6 mg/kg, and a TPH concentration of 980 mg/kg. The benzene, total BTEX and TPH concentrations were below recommended remediation levels for the Hazard Ranking Score.

El Paso Field Services requests closure of the above mentioned pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over eight years.
- Impacted soils (approximately 208 cubic yards) were excavated to the practical extent of the equipment and subsurface conditions (bedrock refusal). All excavated material was disposed of at an off-site location.
- Benzene, total BTEX and TPH concentrations at the base of the Phase III excavation were below recommended remediation levels for the Hazard Ranking Score.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.



PIT CLOSURE REQUEST

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Groundwater was not encountered during the excavation.
- TPH concentration in the soil at the bottom of the Phase III excavation (13 feet bgs) were approximately 11 percent of the concentration at 12 feet bgs indicating that further downward migration is unlikely.
- Residual hydrocarbons in the soil will likely degrade by natural attenuation with minimal risk to the environment.

ATTACHMENTS

Field Pit Assessment Form

Revised Field Pit Assessment Form

Field Pit Remediation/Closure Form

Phase III Excavation Form

Laboratory Analytical Results

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70177 Location: ATLANTIC B L S 7
Operator #: 0203 Operator Name: AMOCO P/L District: ARTAC
Coordinates: Letter A Section 34 Township: 31 Range: 10
or Latitude _____ Longitude _____
Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
Site Assessment Date: 8/31/94 Area: 04 Run: 61
Revised Date: 1/7/03

SITE ASSESSMENT

NMOCD Zone: (from NMCOD Maps) **Land Type:**

	<input type="checkbox"/> (1)	BLM	<input type="checkbox"/> (1)
	<input type="checkbox"/> (2)	State	<input type="checkbox"/> (2)
Inside	<input type="checkbox"/> (1)	Fee	<input checked="" type="checkbox"/> (3)
Outside	<input checked="" type="checkbox"/> (2)	Indian	_____

Depth to Groundwater

Less than 50 Feet (20 points)	<input type="checkbox"/> (1)
50 Feet to 99 Feet (10 Points)	<input checked="" type="checkbox"/> (2)
Greater than 100 Feet (0 Points)	<input type="checkbox"/> (3)

Well Protection Area

Is it less than 1000 feet from well, spring or other source of fresh water extraction?
or; Is it less than 200 feet from a private domestic water source?

☐ YES (20 Points) ☒ NO (0 Points)

Horizontal Distance to Surface Water Body

Less than 200 Feet (20 points)	<input type="checkbox"/> (1)
200 Feet to 1000 Feet (10 Points)	<input type="checkbox"/> (2)
Greater than 1000 Feet (0 Points)	<input checked="" type="checkbox"/> (3)

Name of Surface Water Body HART CANYON

(Surface Water Body: Perennial River, Stream, Creek, Irrigation Canal, Ditch, Lake, Pond)

Distance to Nearest Ephemeral Stream ☐ (1) < 100 feet (Navajo Pits Only)
☐ (2) > 100 feet

TOTAL HAZARD RANKING SCORE 10 **POINTS**

REMARKS

Remarks: REVISION BASED ON RE-ASSESSMENT OF DISTANCE TO
NEAREST SOURCE OF FRESHWATER EXTRACTION.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70-177 Location: Atlantic B L5 7
 Operator #: 0203 Operator Name: Amoco Production P/L District: Aztec
 Coordinates: Letter: A Section 34 Township: 31 Range: 10
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 8/31/94 Area: 04 Run: 61

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps) Inside _____ Outside _____
 Land Type: BLM ☐ (1) State ☐ (2) Fee ☒ (3) Indian _____

Depth to Groundwater
 Less Than 50 Feet (20 points) ☐ (1)
 50 Ft to 99 Ft (10 points) ☒ (2)
 Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :

Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☒ (1) YES (20 points) ☐ (2) NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☐ (1)
 200 Ft to 1000 Ft (10 points) ☐ (2)
 Greater Than 1000 Ft (0 points) ☒ (3)

Name of Surface Water Body Hart Canyon

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 30 POINTS

REMARKS

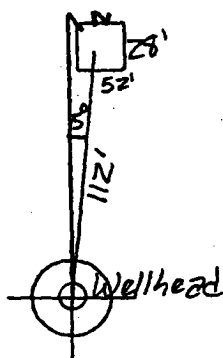
Remarks : Redline Book - Outside Vulnerable Zone Type - Outside
Four pits, location drip pit is dry, will close one pit.

DIK H. T. N

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 5° Footage from Wellhead 112'
b) Length : 52' Width : 28' Depth : 4'



REMARKS

Remarks :

Pictures @ 0919 (5-8, Roll 4)

Dump Truck

There is a residence approximately 1500' away
from this site.

Completed By:

Sam Kelly
Signature

8/31/94
Date