

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
220 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

Risk
Defined
plume

Submit 1 copy to
appropriate
District Office
and 1 copy to
the Santa Fe Office
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-09207

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

Telephone: _____

Address: _____

Facility Or: Stewart LS #6, Meter 72895

Well Name _____

Location: Unit or Qtr/Qtr Sec H Sec 28 T 30 R 10 County San Juan

Pit Type: Separator Dehydrator Other Drip

Land Type: BLM X, State , Fee Other

Pit Location: Pit dimensions: length 19', width 17', depth 1'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 84'

Direction from reference: 6 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>0</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): 0

Date Remediation Started: 06/13/94 Date completed: 06/13/94

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: EPNG line markers. 8' hit sandstone.

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 8'

Sample Date 06/13/94 Sample time 10:50

Sample Results

Benzene(ppm) Not reported.

Total BTEX(ppm) Not reported.

Field headspace(ppm) 250

TPH 1750

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 4/23/03

Signature Scott T. Pope

Printed Name
and Title

Scott Pope, Senior Environmental Scientist



PIT CLOSURE REQUEST

Stewart LS #6
Meter/Line ID 72895

SITE DETAILS

Legals - Twn: 30N

Rng: 10W

Sec: 28

Unit: H

NMOCD Hazard Ranking: 0

Land Type: BLM

Operator: Amoco Production Company

Pit Closure Date: 6/13/94

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 8 feet (ft) below ground surface (bgs) where sandstone encountered 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 250 ppm; laboratory analysis indicated a TPH concentration of 1,750 mg/kg. The TPH measurement was below recommended remediation level for the Hazard Ranking Score of 0.

No soil was disposed of offsite. The pit was backfilled with site soil, topped 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 completed due to hard drilling at 31 ft bgs. A soil sample was collected at 30-31 for field headspace and laboratory analysis for TPH. No groundwater was encountered in the soil boring. Headspace analysis indicated an organic vapor content of 3 ppm, laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of <20 mg/kg. The benzene, total BTEX and TPH concentrations were below recommended remediation levels for the Hazard Ranking Score of 0.

No Phase III activities were conducted.

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 8 years.
- Sandstone was encountered at 8 feet bgs making additional excavation impractical, and further migration of residual hydrocarbons unlikely.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil from the berms placed on top of the excavation would limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are unlikely to be completed.
- Groundwater was not encountered in the soil boring at 31 ft bgs; local geologic features indicate the depth to groundwater is greater than 100 ft bgs.

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 72895 Location: STEWART LS #6
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter H Section 28 Township: 30 Range: 10
or Latitude _____ Longitude _____
Pit Type: Dehydrator _____ Location Drip: ☒ Line Drip: _____ Other: _____
Site Assessment Date: 5-3-99 Area: _____ Run: _____
Revised Date: 1-27-03

SITE ASSESSMENT

NMOCD Zone:

(from NMCOD Maps)

Land Type:

Inside ☐ (1)
Outside ☒ (2)

BLM ☒ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater

Less than 50 Feet (20 points) ☐ (1)
50 Feet to 99 Feet (10 Points) ☐ (2)
Greater than 100 Feet (0 Points) ☒ (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) ☐ (1)
200 Feet to 1000 Feet (10 Points) ☐ (2)
Greater than 1000 Feet (0 Points) ☒ (3)

Name of Surface Water Body CERRITOS 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 0 **POINTS**

REMARKS

Remarks: REVISION BASED ON REASSESSMENT OF THE
DEPTH TO GROUNDWATER.

REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>72895</u> Location: <u>Stewart LS #6</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>H</u> Section: <u>28</u> Township: <u>30</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4/7/98</u> Area: _____ Run: _____</p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p style="margin-left: 150px;"> <input type="checkbox"/> Inside (1) <input checked="" type="checkbox"/> Outside (2) </p> <p>Land Type:</p> <p style="margin-left: 150px;"> <input checked="" type="checkbox"/> BLM (1) <input type="checkbox"/> State (2) <input type="checkbox"/> Fee (3) <input type="checkbox"/> Indian _____ </p> <p>Depth to Groundwater</p> <p style="margin-left: 50px;"> <input type="checkbox"/> Less Than 50 Feet (20 points) (1) <input checked="" type="checkbox"/> 50 Ft to 99 Ft (10 points) (2) <input type="checkbox"/> Greater Than 100 Ft (0 points) (3) </p> <p>Wellhead Protection Area</p> <p>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?</p> <p style="margin-left: 150px;"> <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points) </p> <p>Horizontal Distance to Surface Water Body</p> <p style="margin-left: 50px;"> <input type="checkbox"/> Less Than 200 Ft (20 points) (1) <input type="checkbox"/> 200 Ft to 1000 Ft (10 points) (2) <input checked="" type="checkbox"/> Greater Than 1000 Ft (0 points) (3) </p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream</p> <p style="margin-left: 150px;"> <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' </p> <p>TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is <100' vertical from the center of Little Slave Canyon.</u></p>

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 72895 Location: STEWART LS #6
 Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
 Coordinates: Letter: H Section 28 Township: 30 Range: 10
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 5.3.94 Area: 10 Run: 73

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps) Inside ☐ (1) Outside ☒ (2)
 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 _____
 (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: 10 POINTS

REMARKS

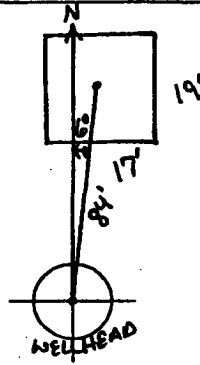
Remarks : FOUR PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY.
REDLINE SHOWS LOCATION IS INSIDE THE V.Z. BUT TOPO SHOWS THAT IT IS OUTSIDE THE V.Z.

PUSH IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 6° Footage from Wellhead 84'
b) Length : 19' Width : 17' Depth : 1'



REMARKS

Remarks :

TOOK PICTURES AT 12:16 P.M.

END DUMP

Completed By:

Paul Thompson

Signature

5.3.94

Date