

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

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

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-09617

Operator: Meridian Oil (Site Closed by El Paso Field Services) Telephone: _____

Address: _____

Facility Or: Sunray J#1 MV, Meter 72063

Well Name _____

Location: Unit or Qtr/Qtr Sec M Sec 7 T 30 R 10 County San Juan

Pit Type: Separator Dehydrator X Other

Land Type: BLM X, State , Fee Other

Pit Location: Pit dimensions: length 18', width 18', depth 2'

(Attach diagram)

Reference: wellhead X, other

Footage from reference: 107'

Direction from reference: 82 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: 12/16/94 Date completed: 12/16/94

Remediation Method: Excavation X Approx. cubic yards 180
(Check all appropriate sections.) Landfarmed _____ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite Tierra
(i.e. landfarmed onsite, name and location of offsite facility) _____

General Description of Remedial Action: No line markers. Started to dig to 12'. Soil gray looking with a smell. At 12' soil still dark gray looking with a smell. On all four walls and floor of pit.

Ground Water Encountered: No X Yes _____ Depth _____

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

Sample location Four walls and center of pit composite

Sample depth 12'

Sample Date 12/16/94 Sample time 12:00

Sample Results

Benzene(ppm) <0.511

Total BTEX(ppm) 6.59

Field headspace(ppm) 338

TPH 323

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

**Sunray J #1 MV
Meter/Line ID 72063**

SITE DETAILS

Legals - Twn: 30N

Rng: 10W

Sec: 7

Unit: M

NMOCD Hazard Ranking: 10

Land Type: BLM

Operator: Meridian Oil Inc.

Pit Closure Date: 12/16/94

RATIONALE FOR CLEAN 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 and BTEX. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 338 ppm; laboratory analysis indicated a benzene concentration of <0.511 mg/kg, a total BTEX concentration of 6.59 mg/kg, and a TPH concentration of 323 mg/kg. All measurements were within recommended remediation levels for the Hazard Ranking Score of 10.

Approximately 180 cubic yards of soil were excavated and hauled to Tierra, a commercial landfarm, for treatment and disposal. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II borehole was completed with auger refusal at 50 ft bgs. A soil sample was collected at 45-46 ft bgs for field headspace and laboratory analysis for TPH. No groundwater was encountered in the soil boring. Headspace analysis indicated an organic vapor content of 182 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of 8.2 mg/kg, and a TPH concentration of 42.9 mg/kg. All measurements were below recommended remediation levels for the Hazard Ranking Score of 10.

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.
- Benzene, TPH, and BTEX measurements from the soil sample at the base of the test pit were below recommended remediation levels for the Hazard Ranking Score.
- The impacted soil was excavated to the practical extent of the equipment and disposed of offsite.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil placed on top of the excavation will 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.

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 72063 Location: SUNRA-1 T#1 MV
Operator #: _____ Operator Name: MEREDITH J. P/L District: KUTZ
Coordinates: Letter M Section 7 Township: 30 Range: 10
or Latitude _____ Longitude _____
Pit Type: Dehydrator ☒ Location Drip: _____ Line Drip: _____ Other: _____
Site Assessment Date: 12-9-94 Area: 02 Run: 72
Revised Date: 1-27-03

SITE ASSESSMENT

NMOCD Zone:

(from NMCOD Maps)

Land Type:

BLM ☒ (1)

State ☐ (2)

Fee ☐ (3)

Indian _____

Inside ☒ (1)

Outside ☐ (2)

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 INTERSECTION OF LALLOWAY CREEK AND
HAMPTON ARROYO
(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 REASSESSMENT OF THE DEPTH
TO GROUNDWATER AND THE HORIZONTAL DISTANCE TO
SURFACE WATER BODY.

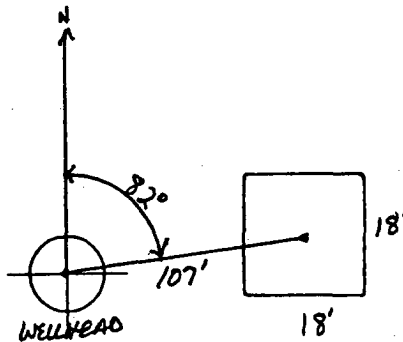
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>72063</u> Location: <u>SUNRAY J^{#1} MU</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: <u>KUTZ</u></p> <p>Coordinates: Letter: <u>M</u> Section <u>7</u> Township: <u>30</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <u>X</u> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>12.9.94</u> Area: <u>02</u> Run: <u>72</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>CALLOWAY CANYON</u> (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>30</u> POINTS</p>
REMARKS	<p>Remarks : <u>REDUNE & TOPO SHOW LOCATION INSIDE V.I.Z. THREE PITS ON LOCATION. TWO BELONG TO MERIDIAN. WILL CLOSE SPING'S DEHY PIT.</u></p> <p><u>DIG & HAUL</u></p>

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 82° Footage from Wellhead 107'
b) Length : 18' Width : 18' Depth : 2'



REMARKS

Remarks :

PHOTOS - 1139

Completed By:

Robert Thompson

Signature

12-9-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 72063 Location: SUNRAY J-#1
 Coordinates: Letter: m Section 7 Township: 30 Range: 10
 Or Latitude _____ Longitude _____
 Date Started : 12-16-94 Run: 02 72

FIELD OBSERVATIONS

Sample Number(s): KP364
 Sample Depth: 12' Feet
 Final PID Reading 338 PID Reading Depth 12' Feet
 Yes No
 Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☒ Approx. Cubic Yards 180
 Onsite Bioremediation ☐
 Backfill Pit Without Excavation ☐
 Soil Disposition:
 Envirotech ☐ ☒ Tierra
 Other Facility ☐ Name: _____
 Pit Closure Date: 12-16-94 Pit Closed By: B.E.I.

REMARKS

Remarks : NO LINE MARKERS. STARTED dig TO 12' soil
gray looking with A smell. AT 12' soil still dark gray looking
with A smell. ON all Four walls AND floor OF Pit.

Signature of Specialist: Kelly Padilla