

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
7000 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)

*Risk
plume
not
defined*

PIT REMEDIATION AND CLOSURE REPORT

30-045-25056

Operator: Meridian *by EPFS* Telephone _____

Address: _____

Facility Or Albright #8E DK, Meter 94562

Well Name _____

Location: Unit or Qtr/Qtr Sec O Sec 15 T 29 R 10 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

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

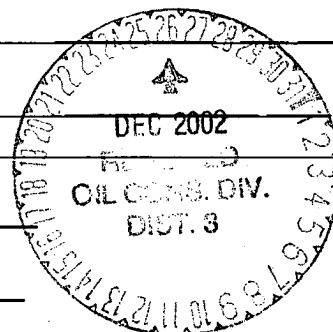
Pit Location: Pit dimensions: length 23', width 20', depth 3'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 151'

Direction from reference: 8 Degrees X East North _____

of
_____ West South _____



Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) <u>10</u>
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Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points) <u>0</u>
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Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet 200 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) <u>0</u>
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RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 05/24/94 Date completed: 05/24/94

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.

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 05/24/94 Sample time 16:15

Sample Results

Benzene(ppm) Not reported.

Total BTEX(ppm) Not reported.

Field headspace(ppm) 240

TPH 3100

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 1/8/03

Signature

Scott T. Pope

Printed Name
and Title

Scott T. Pope
Senior Env. Scientist



PIT CLOSURE REQUEST

Albright #8E (DK)
Meter/Line ID 94562

SITE DETAILS

Legals - Twn: 29N

Rng: 10W

Sec: 15

Unit: O

NMOCD Hazard Ranking: 10

Land Type: BLM

Operator: Meridian Oil Inc

Pit Closure Date: 5/24/94

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 240 ppm; laboratory analysis showed a TPH concentration of 3,100 mg/kg. The TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 10.

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 with refusal at 26 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 25-26 ft bgs. Headspace analysis indicated an organic vapor content of 806 ppm, laboratory analysis indicated a benzene concentration of 0.79 mg/kg, a total BTEX concentration of 38.5 mg/kg, and a TPH concentration of 184 mg/kg. The benzene, total BTEX and TPH concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III excavation was done.

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.
- 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., current direct contact exposure pathways are unlikely to be completed.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Groundwater was not encountered in the soil boring at 26 ft bgs; local geologic features indicate the depth to groundwater is greater than 50 ft bgs.
- Benzene, total BTEX and TPH concentrations at the base of the Phase II boring (26 feet bgs) were below recommended remediation levels for the Hazard Ranking Score.

REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 94562 Location: ALBRIGHT #8E
 Operator #: _____ Operator Name: BURLINGTON P/L District: _____
 Coordinates: Letter: 0 Section 15 Township: 29 Range: 10
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 4.24.98 Area: 10 Run: 42

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD

Maps)

Inside

Outside

Land Type:

☐ (1)

☒ (2)

BLM

State

Fee

Indian

☒ (1)

☐ (2)

☐ (3)

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, 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

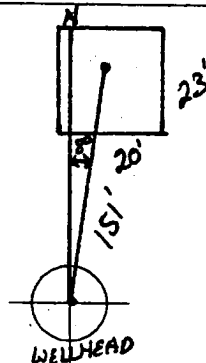
REMARKS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS IN A REMOTE AREA UP ON A HILL TO THE WEST OF ALBRIGHT CANYON.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 8° Footage to Wellhead 151'
b) Degrees from North _____ Footage to Dogleg _____
Dogleg Name _____
c) Length : 23' Width : 20' Depth : 3'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 11:47 A.M.
END DUMP

Completed By:

Bob Thompson
Signature

4.14.94

Date



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	UW 147	945295
MTR CODE SITE NAME:	94562	N/A
SAMPLE DATE TIME (Hrs):	5-24-94	1615
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5/26/94	5/26/94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Brown/grey coarse sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	3100	MG/KG			2.08	28
HEADSPACE PID	240	PPM				
PERCENT SOLIDS	89.8	%				

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -

Surrogate Recovery was at
ative:

N/A

% for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Approved By:

Date:

6/16/94

FIELD 'T REMEDIATION/CLOSURE' FORM

GENERAL

Meter: 94562 Location: A11bright # 8E DK
 Coordinates: Letter: 0 Section 15 Township: 29 Range: 10
 Or Latitude _____ Longitude _____
 Date Started : 5-24-94 Area: 10 Run: 42

FIELD OBSERVATIONS

Sample Number(s): VW147
 Sample Depth: 12' Feet
 Final PID Reading 240 PID Reading Depth 12' Feet
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☐ (1) Approx. Cubic Yards _____
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☒ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☐ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-24-94 Pit Closed By: BEI

REMARKS

Remarks : EPNG line markers

Signature of Specialist: Vale Wilson

RECORD OF SUBSURFACE EXPLORATION

HILIP SERVICES CORP.

300 Monroe Road
 Albuquerque, New Mexico 87401
 (505) 262-5622 FAX (505) 326-2388

Borehole # BH- 1
 Well # NA
 Page 1 of 1

Project Number 19643 Phase 1001.77
 Project Name EPFS PITS >10
 Project Location Albright # BE DK 94562

Elevation _____
 Borehole Location LTR: 0 S: 15 T: 29 R: 10
 SWL Depth NA
 Drilled By K. PADILLA
 Well Logged By H. BRADBURY
 Date Started 10/29/98
 Date Completed 10/29/98

Drilling Method 4 1/4 ID HSA
 Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ BH S/HS			Drilling Conditions & Blow Counts
0										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
15	1	15-17	24	EXCAVATION SAMPLE COLLECTED AT 12'						
15	1	15-17	24	LT BR silty SAND FINE SAND MOSEIDRY	SM		0	280	244 934	857 hrs
20	2	20-21	12	LT BR SANDSTONE FINE SAND LOW CEMENTATION dry			0	994	523 845	0906 hrs
25	3	25-26	6	LT BR SANDSTONE, FINE SAND. MOD CEMENTATION dry			0	92	732 806	0925 hrs HARD drilling
26				TOB 26'						

Comments:

HAB 56 25-26' SENT to lab FOR TPH, BTEX. GW NOT
ENCOUNTERED. BH GROUTED TO SURFACE
Auger Refusal at 25'

Geologist Signature

Holly Bradbury



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	HAB56	980763
MTR CODE SITE NAME:	94562	Albright #8E DK
SAMPLE DATE TIME (Hrs):	10/29/98	0925
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	11/9/98	11/10/98
DATE OF BTEX EXT. ANAL.:	11/3/98	11/6/98
TYPE DESCRIPTION:	VG	SOIL

Field Remarks: 25-26'

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	0.79	MG/KG				
TOLUENE	10.0	MG/KG				
ETHYL BENZENE	1.59	MG/KG				
TOTAL XYLENES	26.1	MG/KG				
TOTAL BTEX	38.5	MG/KG				
TPH (MOD.8015)	184	MG/KG				
HEADSPACE PID	806	PPM				
PERCENT SOLIDS	93.7	%				

-- TPH is by EPA Method 8015 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 104.5 % for this sample All QA/QC was acceptable.
ative:

DF = Dilution Factor Used

Approved By:

John J. J. J.

Date:

12/3/98



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : EL PASO FIELD SERVICES
PROJECT # : (none)
PROJECT NAME : PHASE II DRILLING

PINNACLE I.D.: 811012

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	980760	NON-AQ	10/28/98	11/9/98	11/9/98	1
02	980761	NON-AQ	10/28/98	11/9/98	11/9/98	1
03	980762	NON-AQ	10/28/98	11/9/98	11/10/98	1
PARAMETER		DET. LIMIT	UNITS	01	02	03
FUEL HYDROCARBONS, C6-C10		10	MG/KG	< 10	20	< 10
FUEL HYDROCARBONS, C10-C22		5.0	MG/KG	5.1	480	5.5
FUEL HYDROCARBONS, C22-C36		5.0	MG/KG	< 5.0	460	< 5.0
CALCULATED SUM:				5.1	960	5.5
SURROGATE:						
O-TERPHENYL (%)				131	156 **	125
SURROGATE LIMITS		(66 - 151)				

CHEMIST NOTES:

**= HIGH SURROGATE RECOVERY DUE TO MATRIX INTERFERENCE.



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Albuquerque, New Mexico 87107
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GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : EL PASO FIELD SERVICES
PROJECT # : (none)
PROJECT NAME : PHASE II DRILLING

PINNACLE I.D.: 811012

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	980763	NON-AQ	10/29/98	11/9/98	11/10/98	1
05	980764	NON-AQ	10/29/98	11/9/98	11/10/98	1
06	980765	NON-AQ	10/29/98	11/9/98	11/10/98	1
PARAMETER		DET. LIMIT	UNITS	04	05	06
FUEL HYDROCARBONS, C6-C10		10	MG/KG	88	< 10	< 10
FUEL HYDROCARBONS, C10-C22		5.0	MG/KG	56	< 5.0	< 5.0
FUEL HYDROCARBONS, C22-C36		5.0	MG/KG	40	< 5.0	< 5.0
CALCULATED SUM:				184		

SURROGATE:
O-TERPHENYL (%)
SURROGATE LIMITS (66 - 151)

129	124	126
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CHEMIST NOTES:
N/A



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 811012
BLANK I.D.	: 110998	DATE EXTRACTED	: 11/9/98
CLIENT	: EL PASO FIELD SERVICES	DATE ANALYZED	: 11/9/98
PROJECT #	: (none)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: PHASE II DRILLING		

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 5.0
FUEL HYDROCARBONS, C22-C36	MG/KG	< 5.0

SURROGATE:
BIPHENYL (%) 99
SURROGATE LIMITS (80 - 151)

CHEMIST NOTES:
N/A