

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

Salazar G 34-2
Meter/Line ID – 94161

SITE DETAILS

Legals - Twn: 25N
NMOCD Hazard Ranking: 40
Operator: Merrion

Rng: 6W

Sec: 34 Unit: I
Land Type: Navajo
Pit Closure Date: 11/07/95

OK
Feeney
Federal/State

RATIONALE FOR 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.

The pit was excavated to 14 feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit. Approximately 182 cubic yards of excavated material was removed for landfarming and sent to an OCD approved centralized site. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 10.5 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, total BTEX concentration of <3 mg/kg, and a TPH concentration of <10 mg/kg.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for almost five years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Based on the Hazard Ranking Score, benzene, total BTEX, and TPH were below required remediation levels.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Excavated material has been removed from the pit eliminating potential direct contact with livestock or the public.

ATTACHMENT

Field Pit Remediation/Closure Form

Field Pit Assessment Form
Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 94-161 Location: Salazar G 34-2
 Operator #: 5997 Operator Name: Merron P/L District: Ballard
 Coordinates: Letter: I Section: 34 Township: 25 Range: 6
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 11/19/95 Area: 07 Run: 72

SITE ASSESSMENT

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

Land Type: BLM ☐ (1) State ☐ (2) Fee ☐ (3) Indian Navajo

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 Canyon Largo
 (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: 40 POINTS

REMARKS

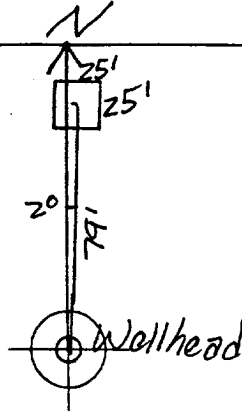
Remarks : Vulnerable Zone Topo: Inside
Three pits, location drip pit is dry. Will close one pit.

PIG 4 HALL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 2° Footage from Wellhead 79'
b) Length : 25' Width : 25' Depth : 4'



REMARKS

Remarks :

Pictures at 0935.
Dump Truck

Completed By:

Sarah Kelly
Signature

11/19/95
Date

I LD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>94-161</u> Location: <u>Salazar 6 34-2</u></p> <p>Coordinates: Letter: <u>I</u> Section <u>34</u> Township: <u>25</u> Range: <u>6</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>11/1/95</u> Run: <u>07</u> <u>22</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>JK 119</u></p> <p>Sample Depth: <u>14'</u> Feet</p> <p>Final PID Reading <u>10.5</u> PID Reading Depth <u>14'</u> Feet</p> <p>Groundwater Encountered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>182</u> LT <u>11/1/95</u></p> <p>Onsite Bioremediation <input type="checkbox"/> Approved for Closure by <u>Jim Walker 8-6-95</u></p> <p>Backfill Pit Without Excavation <input type="checkbox"/> <u>11 met 11-6-95</u></p> <p>Soil Disposition:</p> <p>Envirotech <input checked="" type="checkbox"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>11-7-95</u> Pit Closed By: <u>Phil P</u></p>
REMARKS	<p>Remarks : <u>Pit Pid Readings (N-25.2)(S-1.5)(E-10.0)(W-20.0)</u></p> <p><u>Pit size: 22x20x14 11/1-2-95</u></p> <p><u>Fence size: 28x28 11/1-2-95 784 sq ft Netting yes 784 sq ft.</u></p> <p><u>More than 100 feet from Ephemeral Stream</u></p> <p>Signature of Specialist: <u>Joe K. King</u></p>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JK119	947723
MTR CODE SITE NAME:	94161	Salazar G 34-2
SAMPLE DATE TIME (Hrs):	11-1-95	1315
PROJECT:	Phase I Navajo	
DATE OF TPH EXT. ANAL.:	11/3/95	
DATE OF BTEX EXT. ANAL.:	11/2/95	11/2/95
TYPE DESCRIPTION:	VG	LIGHT BROWN SAND

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	< 10	MG/KG			2.10	28
HEADSPACE PID	10.5	PPM				
PERCENT SOLIDS	98	%				

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

The Surrogate Recovery was at 100% for this sample All QA/QC was acceptable.
Narrative: _____

DF = Dilution Factor Used

Approved By: _____

Date: _____

11/7/95

BTEX SOIL SAMPLE WORKSHEET

File	:	947723	Date Printed	:	11/3/95
Soil Mass (g)	:	4.95	Multiplier (L/g)	:	0.00101
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):		200
Shot Volume (uL)	:	50	CAL FACTOR (Report):		0.20202

		DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.505
Toluene (ug/L)	:	0.89	Toluene (mg/Kg):	0.180 0.505
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.505
p & m-xylene (ug/L)	:	0.68	p & m-xylene (mg/Kg):	0.137 1.010
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.505
			Total xylenes (mg/Kg):	0.137 1.515
			Total BTEX (mg/Kg):	0.317