

**EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE**

04

**Gallegos Canyon Unit 190E
Meter/Line ID - 94588**

SITE DETAILS

**Legals - Twn: 28N
NMOCD Hazard Ranking: 40
Operator: Amoco**

Rng: 12W

Sec: 32

Unit: K

Land Type: Navajo

Pit Closure Date: 11/03/95

In In

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 5 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 and bedrock was encountered at 5 feet below ground surface. Approximately 60 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 11.2 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, total BTEX concentration of <3 mg/kg, and a TPH concentration of 76.6 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.
- Bedrock was encountered in the test excavation at 5 feet below ground surface making further remediation impractical; therefore, impact to groundwater is unlikely.
- 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

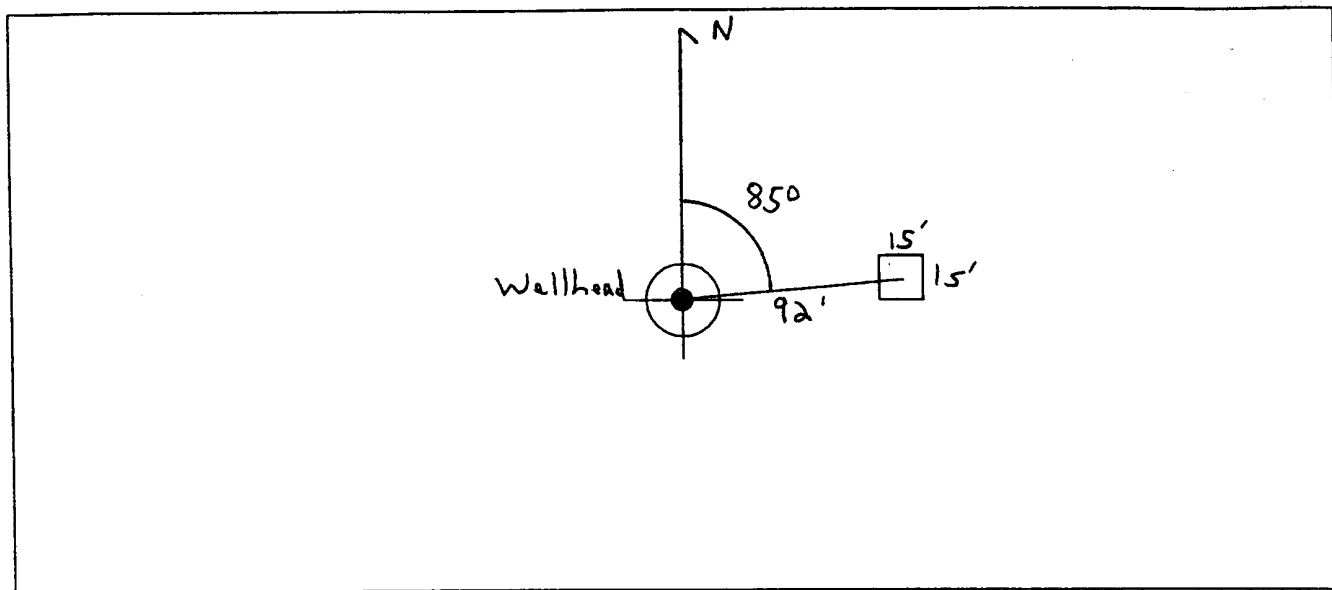
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>94588</u> Location: <u>Gallegos Canyon Unit 19DE</u> Operator #: <u>0203</u> Operator Name: <u>America</u> P/L District: <u>Angel Peak</u> Coordinates: Letter: <u>K</u> Section <u>32</u> Township: <u>28</u> Range: <u>12</u> Or Latitude <u>/</u> Longitude <u>/</u> Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: <u>/</u> Line Drip: <u>/</u> Other: <u>/</u> Site Assessment Date: <u>1/20/95</u> Area: <u>01</u> Run: <u>82</u></p>	
	<p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian <u>Navajo</u></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 checked="" type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Gallegos 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>40</u> POINTS</p>	
REMARKS	<p>Remarks : <u>Redline Book: Inside</u> <u>Vulnerable Zone Type: Inside</u> <u>2 pits. Close. Majority of fencing is gone. Heavy plant growth in & around</u> <u>pit. Dimensions are approximate. Pit & area around pit 3-5" under water.</u> <u>DIG & HAY</u></p>	

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 85° Footage from Wellhead 92'
 b) Length : 15' Width : 15' Depth : 1'

ORIGINAL PIT LOCATION



REMARKS :

Pictures @ 1227 hr 9-12 roll 1

Driving W. turn left off of 3002 with Amero compressors on right.
 Go straight ~400-500 yds. Bear left. Bear right at next Y & Follow
 edge of Field. Turn Right at end of Field & bear Right Out
 next Y. Will go over yellow cattle guard & past GCU 9.

REMARKS

Completed By:

Cory Chance
 Signature

1/20/95
 Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>94588</u> Location: <u>Gallegos Canyon Unit 1906</u></p> <p>Coordinates: Letter: <u>K</u> Section <u>32</u> Township: <u>28</u> Range: <u>12</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>10/30/95</u> Run: <u>01 82</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>JK115</u></p> <p>Sample Depth: <u>5'</u> Feet</p> <p>Final PID Reading <u>11.2</u> PID Reading Depth <u>5'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>60</u> or <u>11/6/95</u></p> <p>Onsite Bioremediation <input type="checkbox"/> Approved for Closure by _____</p> <p>Backfill Pit Without Excavation <input type="checkbox"/> Jim Walker 11-1-95</p> <p>Soil Disposition:</p> <p>Envirotech <input checked="" type="checkbox"/> <input type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>11-10-95</u> Pit Closed By: <u>Philip</u></p> <p style="text-align: center;"><small>11/11-6-95</small></p>
REMARKS	<p>Remarks : <u>Pit Pit Readings (N-6.7)(S-0.7)(E-0.8)(W-3.2)</u></p> <p><u>Pit size 18x15x5</u> <u>Hit Rock at 5'</u></p> <p><u>Fence size 18x18x3</u> <u>No Wet</u></p> <p><u>AA-19-9/95</u> <u>Less Than 100' From Ephemeral Stream</u></p>
	<p>Signature of Specialist: <u>[Signature]</u></p>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JK115	947709
MTR CODE SITE NAME:	94588	Gallegos Canyon Unit 190E
SAMPLE DATE TIME (Hrs):	10-30-95	1232
PROJECT:	JicPIT Phase I Navajo	RLB 11/2/95
DATE OF TPH EXT. ANAL.:	10/31/95	
DATE OF BTEX EXT. ANAL.:	10/31/95	10/31/95
TYPE DESCRIPTION:	V6	Dark brown sand & clay

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)	RLB 11/1/95 776.6	MG/KG			2.31	28
HEADSPACE PID	11.2	PPM				
PERCENT SOLIDS	80.2	%				

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

The Surrogate Recovery was at 97% for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: JK

Date: 11/1/95

BTEX SOIL SAMPLE WORKSHEET

File	:	947709	Date Printed	:	11/1/95
Soil Mass (g)	:	5.19	Multiplier (L/g)	:	0.00096
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):		200
Shot Volume (uL)	:	50	CAL FACTOR (Report):		0.19268

		DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L)	:	0.16	Benzene (mg/Kg):	0.031 0.482
Toluene (ug/L)	:	0.71	Toluene (mg/Kg):	0.137 0.482
Ethylbenzene (ug/L)	:	0.29	Ethylbenzene (mg/Kg):	0.056 0.482
p & m-xylene (ug/L)	:	0.76	p & m-xylene (mg/Kg):	0.146 0.963
o-xylene (ug/L)	:	0.45	o-xylene (mg/Kg):	0.087 0.482
			Total xylenes (mg/Kg):	0.233 1.445
			Total BTEX (mg/Kg):	0.457