

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

Gallegos Canyon Unit 204 E
Meter/Line ID – 94416

SITE DETAILS

Legals - Twn: 28N

Rng: 12W

Sec: 34

Unit: J

NMOCD Hazard Ranking: 20

Land Type: Navajo

Operator: Amoco

Pit Closure Date: 11/03/95

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 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. 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 0.0 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3, 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 nearly five years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the test excavation. In addition, the estimated depth to groundwater is greater than 100 feet; therefore, impact to groundwater is unlikely.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene, total BTEX, and TPH were below required remediation levels.

ATTACHMENT

Field Pit Assessment Form

Field Pit Remediation/Closure Form

Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

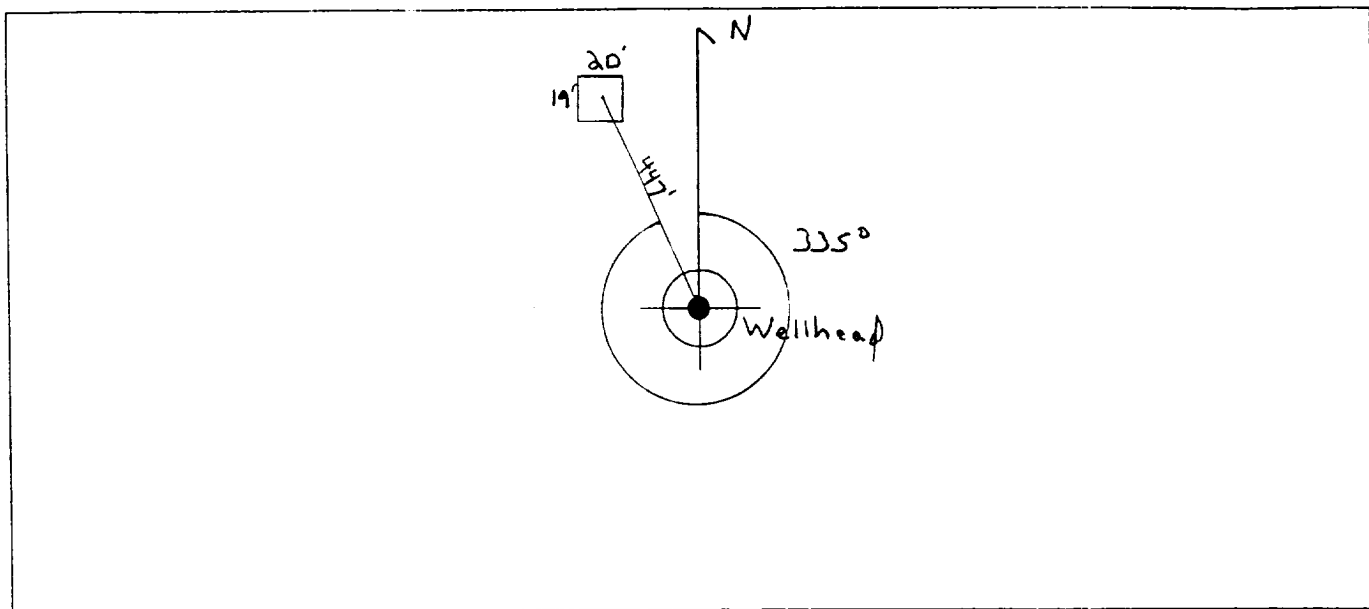
GENERAL	<p>Meter: <u>94416</u> Location: <u>Gallegos Canyon Unit 204E</u> Operator #: <u>0203</u> Operator Name: <u>Ameco</u> P/L District: <u>Angel Peak</u> Coordinates: Letter: <u>J</u> Section <u>34</u> Township: <u>28</u> Range: <u>12</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>1/20/95</u> Area: <u>01</u> Run: <u>32</u></p>
	<p>NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" 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 type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" 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 checked="" type="checkbox"/> (1) YES (20 points) <input 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 type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____ (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>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book: Outside</u> <u>Vulnerable Zone Type: Outside</u> <u>32 pits. Close!</u></p>

PUSH-IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 335° Footage from Wellhead 447'
b) Length : 20' Width : 19' Depth : 1'



REMARKS

Remarks :

Pictures @ 1406 hr 14-17 roll 1

Completed By:

Cory Chance
Signature

1/20/95
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>94416</u> Location: <u>Gallegos Canyon unit #204E</u></p> <p>Coordinates: Letter: <u>J</u> Section <u>34</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</u> <u>32</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>JK116</u></p> <p>Sample Depth: <u>8'</u> Feet</p> <p>Final PID Reading <u>0.0</u> PID Reading Depth <u>8'</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> <div style="display: flex; justify-content: space-between;"> <div> <p>Excavation</p> <p>Onsite Bioremediation</p> <p>Backfill Pit Without Excavation</p> </div> <div> <p><input type="checkbox"/> Approx. Cubic Yards <u>0 LT 11/6/95</u></p> <p><input type="checkbox"/> Approved for Closure by <u>Jim Walker 11-1-95</u></p> <p><input checked="" type="checkbox"/> <u>Jim Walker 11-1-95</u></p> </div> </div> <p>Soil Disposition:</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Envirotech <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> </div> <div> <p><input type="checkbox"/> Tierra</p> </div> </div> <p>Pit Closure Date: <u>11-10-95</u> <small>11/11/95</small> Pit Closed By: <u>Philip</u></p>
REMARKS	<p>Remarks : <u>Did Not Excavate</u></p> <p><u>Fence size 23x23x23x23 No Net</u></p> <p><u>more than 100' Foot From Electrical 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:	JK 116	947710
MTR CODE SITE NAME:	94416	Gallegos Canyon Unit #204E
SAMPLE DATE TIME (Hrs):	10-30-95 11:25	1356
PROJECT:	JicPits Phase I Navajo	
DATE OF TPH EXT. ANAL.:	10/31/95	
DATE OF BTEX EXT. ANAL.:	10/31/95	10/31/95
TYPE DESCRIPTION:	V6	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			2.13	28
HEADSPACE PID	D.O	PPM				
PERCENT SOLIDS	98.3	%				

-- 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:

11/1/95

BTEX SOIL SAMPLE WORKSHEET

File	:	947710	Date Printed	:	11/1/95
Soil Mass (g)	:	5.11	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):		200
Shot Volume (uL)	:	50	CAL FACTOR (Report):		0.19569

		DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L)	:	0.10	Benzene (mg/Kg):	0.020 0.489
Toluene (ug/L)	:	0.14	Toluene (mg/Kg):	0.027 0.489
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.489
p & m-xylene (ug/L)	:	0.16	p & m-xylene (mg/Kg):	0.031 0.978
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.489
		Total xylenes (mg/Kg):	0.031	1.468
		Total BTEX (mg/Kg):	0.078	