

**EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE**

Risk - Bedrock
outside *BTEX* *TPH*

**Jaquez Gas Com C1A
Meter/Line ID - 89933**

RECEIVED
NOV - 2 1995

SITE DETAILS

Legals - Twn: 29N

Rng: 9W

Sec: 6

NMOCD Hazard Ranking: 0

Land Type: BLM

Operator: Amoco

Pit Closure Date: 2/6/95

**OIL CON. DIV.
DIST. 3**

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.

Sandstone was encountered in the test pit at a depth of four feet. The excavation was terminated and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. The test pit was then backfilled and the pit area graded in a manner to divert precipitation away from the pit area. Headspace analysis indicated an organic vapor content of 135 ppm; laboratory analysis indicated a TPH concentration of 11,400 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 over four years.
- Bedrock was encountered in the test excavation at four feet making remediation impractical.
- The test pit was backfilled with clean soil and the former pit area graded to direct surface runoff away from the former pit.
- Source material has been removed from the ground surface, eliminating potential direct contact with livestock and the public.
- 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.
- The site is greater than 100 vertical feet from groundwater and there are no water supply wells or potential surface water receptors within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.

ATTACHMENT

Revised Field Pit Assessment Form
Field Pit Remediation/Closure Form

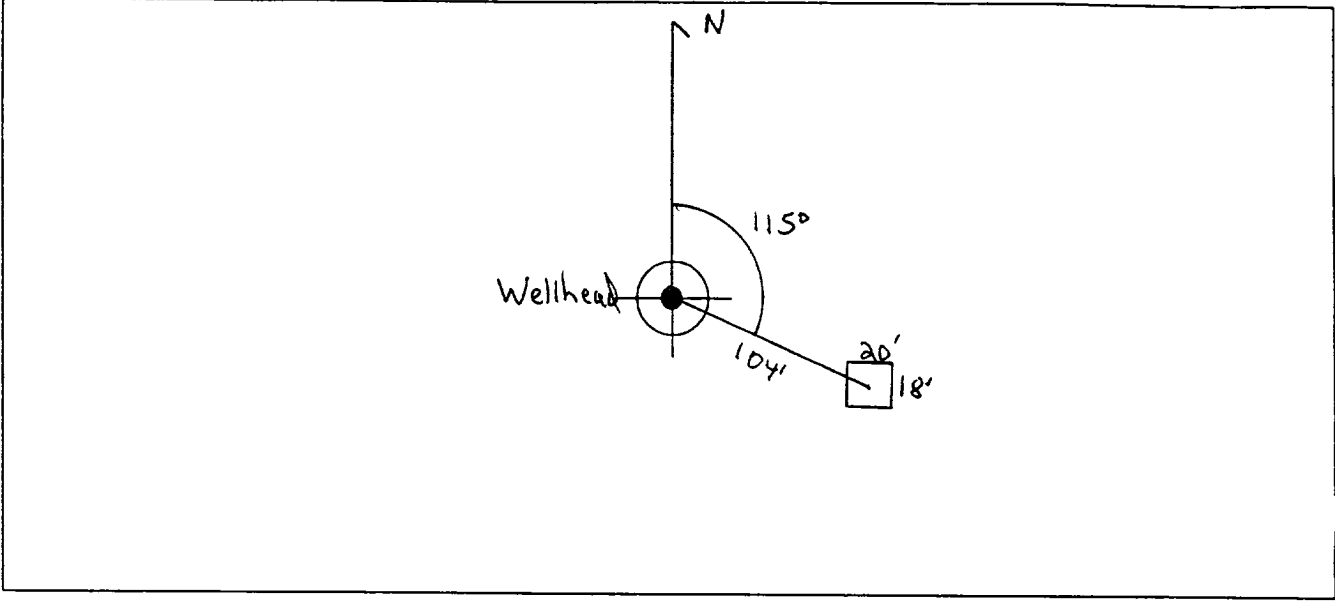
Field Pit Assessment Form
Laboratory Analytical Results

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>89933</u> Location: <u>Jaquez Gas Com CIA</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>K</u> Section <u>b</u> Township: <u>29</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>4/9/98</u> Area: _____ Run: _____
SITE ASSESSMENT	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> NMOCD Zone: (From NMOCD Maps) </div> <div style="width: 45%;"> Land Type: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (1) Inside <input checked="" type="checkbox"/> (2) Outside </div> <div style="width: 45%;"> BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ </div> </div> </div> </div> Depth to Groundwater <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Less Than 50 Feet (20 points) 50 Ft to 99 Ft (10 points) Greater Than 100 Ft (0 points) </div> <div style="width: 45%;"> <input type="checkbox"/> (1) <input type="checkbox"/> (2) <input checked="" type="checkbox"/> (3) </div> </div> 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? <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points) </div> Horizontal Distance to Surface Water Body <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Less Than 200 Ft (20 points) 200 Ft to 1000 Ft (10 points) Greater Than 1000 Ft (0 points) </div> <div style="width: 45%;"> <input type="checkbox"/> (1) <input type="checkbox"/> (2) <input checked="" type="checkbox"/> (3) </div> </div> Name of Surface Water Body _____ (Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' </div> TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS
REMARKS	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is >100' vertical From center of San Juan River</u>

FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>89933 Meter: 89930 Location: <u>Jaquez Gas Com C 1A</u> Operator #: <u>0203</u> Operator Name: <u>Amosa</u> P/L District: <u>Bloomfield</u> Coordinates: Letter: <u>K</u> Section <u>6</u> Township: <u>29</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>1/16/95</u> Area: <u>10</u> Run: <u>83</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" 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 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 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>Vaca Canyon (off San Juan R.)</u> (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) 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>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book: Inside</u> <u>Vulnerable Zone Top: Outside</u> <u>2 pits. Close.</u></p> <p style="text-align: right;"><u>PUSH-IN</u></p>

ORIGINAL PIT LOCATION	<p style="text-align: center;">ORIGINAL PIT LOCATION</p> <p>Original Pit : a) Degrees from North <u>115°</u> Footage from Wellhead <u>104'</u> b) Length : <u>20'</u> Width : <u>18'</u> Depth : <u>4'</u></p> 
REMARKS	<p>Remarks :</p> <p><u>Pictures @ 0916 hr 9-13 roll 1</u></p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p>
	<p>Completed By:</p> <p style="text-align: center;"><u>Cory Chane</u> Signature</p> <p style="text-align: right;"><u>1/16/95</u> Date</p>

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>89933</u> Location: <u>JAQUEZ GAS COM C 1A</u></p> <p>Coordinates: Letter: <u>K</u> Section <u>6</u> Township: <u>29</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>2-6-95</u> Run: <u>10</u> <u>83</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP 407</u></p> <p>Sample Depth: <u>3', 4'</u> Feet</p> <p>Final PID Reading <u>135</u> PID Reading Depth <u>3', 4'</u> Feet</p> <p>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 type="checkbox"/> Approx. Cubic Yards _____</p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input checked="" type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>2-6-95</u> Pit Closed By: <u>B. E. J.</u></p>
REMARKS	<p>Remarks : <u>Some Line markers. dug a Test hole</u></p> <p><u>sampled closed pit. Hit SAND stone At 4'</u></p> <p><u>closed pit.</u></p>
	<p>Signature of Specialist: <u>Kelly Radille</u></p>



CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER # 24324		PROJECT NAME Pit Closure Project		DATE 2-6-95		DATE 2-6-95	
LAB ID		DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBERS OF CONTAINERS	
946636	2-6-95	0900	soil	KP 407	1	VG	X
946637	2-6-95	1045	soil	KP 408	1	VG	X
946638	2-6-95	1210	soil	KP 409	1	VG	X
946639	2-6-95	1350	soil	KP 410	1	VG	X
946640	2-6-95	1645	soil	KP 411	1	VG	X
946641	2-6-95	1740	soil	KP 412	1	VG	X
[REMAINDER OF TABLE IS BLANK]							

REQUESTED ANALYSIS		REMARKS			
TPH	BTEX	EPA 8020	LAB PID		
				SEQUENCE #	
				368	HIT SAND STONE AT 3' to 4'
				369	AT 12' soil gray looking with H.C. ORDER
				370	AT 12' soil Light Brown No H.C. ORDER
				371	HIT SAND STONE AT 3'
				372	
				373	HIT SAND STONE AT 8'
[REMAINDER OF TABLE IS BLANK]					

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
<i>Kelly Padilla</i>	2-6-95 1815	<i>Brenda Liss</i>	2-6-95 0935
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

REQUESTED TURNAROUND TIME:	SAMPLE RECEIPT REMARKS
<input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH	
CARRIER CO.	CHARGE CODE

RESULTS & INVOICES TO:
FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499
505-599-2144
FAX: 505-599-2261



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP407	946636
MTR CODE SITE NAME:	89933	N/A
SAMPLE DATE TIME (Hrs):	2-6-95	0900
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	2-8-95	2-8-95
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Dark gray sand and clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	11400	MG/KG			0.40	28
HEADSPACE PID	135	PPM				
PERCENT SOLIDS	89.4	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

2-22-95