

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

Inside Pick
TPH

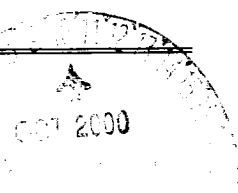
Huerfanito No. 25-4
Meter/Line ID - 14031

SITE DETAILS

Legals - Twn: 26N
NMOCD Hazard Ranking: 30
Operator: Meridian

Rng: 9W

Sec: 4
Unit: P
Land Type: BLM
Pit Closure Date: 08/15/94



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 Phase I excavation was conducted on August 15, 1994, to 12 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 50 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 46 ppm; laboratory analysis indicated a benzene concentration of <0.025 mg/kg, a total BTEX concentration of 0.103 mg/kg, and a TPH concentration of 174 mg/kg. TPH was above required remediation levels for the Hazard Ranking Score.

On August 4, 1995, a Phase II borehole was conducted to 37 feet below ground surface where auger refusal was encountered due to bedrock. Groundwater was not encountered in the borehole. The borehole was grouted to the surface in a manner to direct surface runoff away from the pit area.

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 six years.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavations or borehole.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene and total BTEX were below required remediation levels for the Hazard Ranking Score.
- Excavated material has been removed from the pit eliminating potential direct contact with livestock and the public.
- Bedrock was encountered at 37 feet below ground surface; therefore, impact to groundwater is unlikely.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.

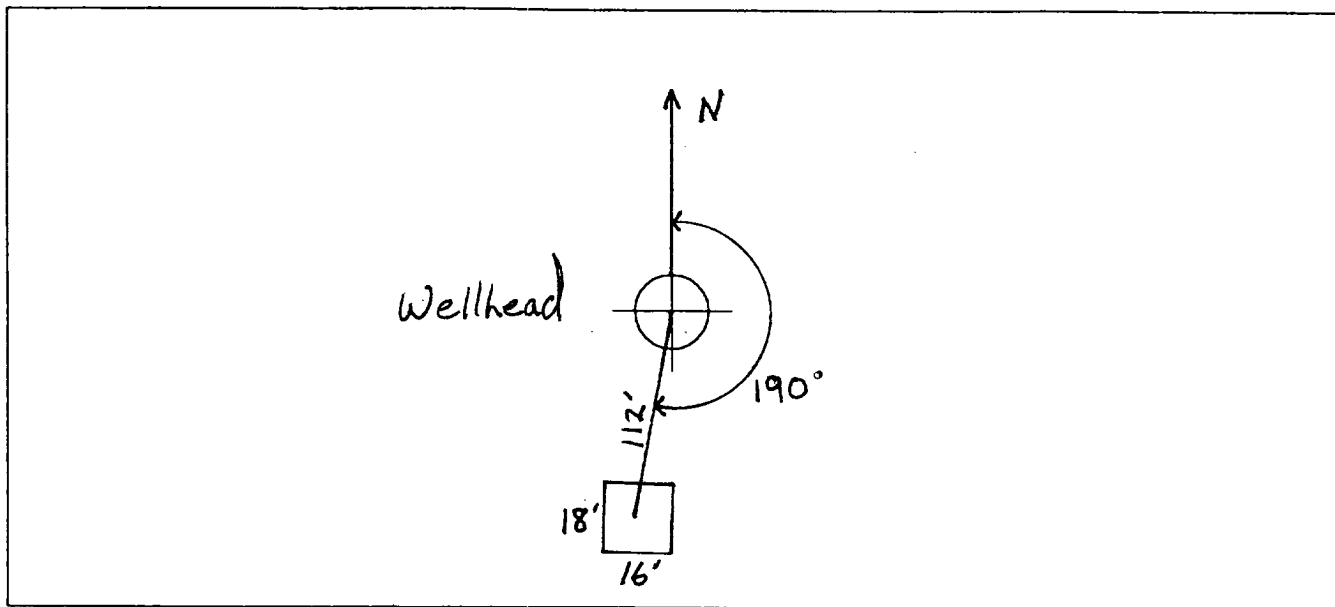
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>14031</u> Location: <u>Huerfanito No. 25-4</u></p> <p>Operator #: <u>2999</u> Operator Name: <u>Meridian</u> P/L District: <u>Ballard</u></p> <p>Coordinates: Letter: <u>P</u> Section <u>4</u> Township: <u>26N</u> Range: <u>9W</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>6-23-94</u> Area: <u>11</u> Run: <u>51</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p>Inside <input checked="" type="checkbox"/> (1) Outside <input 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 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 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>Reed Canyon Wash</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>30</u> POINTS</p>
REMARKS	<p>Remarks : <u>One pit on location. Dry</u></p> <p><u>Inside V.Z. on Redline & Topo</u></p>

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 190 Footage from Wellhead 112
b) Length : 18 Width : 16 Depth : 3



REMARKS

Remarks :

Photos- 1318 hrsEnd dump

Completed By:

Signature

6-23-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 14031 Location: Huefranco #25-4
 Coordinates: Letter: P Section 4 Township: 26N Range: 9W
 Or Latitude _____ Longitude _____
 Date Started : 8/15/94 Run: 11 51

FIELD OBSERVATIONS

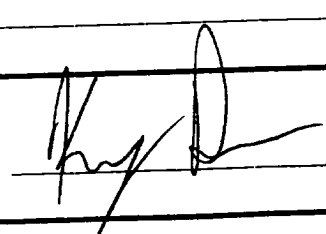
Sample Number(s): KD 215
 Sample Depth: 12' Feet
 Final PID Reading 46 ppm PID Reading Depth 12' Feet
 Groundwater Encountered ☐ Yes ☒ No
 Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☒ Approx. Cubic Yards 50
 Onsite Bioremediation ☐
 Backfill Pit Without Excavation ☐
 Soil Disposition:
 Envirotech ☒ Tierra ☐
 Other Facility ☐ Name: _____
 Pit Closure Date: 8/15/94 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 12', took PID sample,
closed pit.

Signature of Specialist: 



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 215	945937
MTR CODE SITE NAME:	14031	N/A
SAMPLE DATE TIME (Hrs):	8-15-94	1610
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	8-16-94	8-16-94
DATE OF BTEX EXT. ANAL.:	8/17/94	8/20/94
TYPE DESCRIPTION:	VC	Fine Brown Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	20.025	MG/KG	1			
TOLUENE	20.025	MG/KG	1			
ETHYL BENZENE	20.025	MG/KG	1			
TOTAL XYLENES	0.028	MG/KG	1			
TOTAL BTEX	0.103	MG/KG				
TPH (418.1)	174	MG/KG			2.21	28
HEADSPACE PID	46	PPM				
PERCENT SOLIDS	92.9	%				

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

The Surrogate Recovery was at 86 % for this sample All QA/QC was acceptable.

Varr 9: ATI results attached.

DF = Dilution Factor Used

Approved By:

Date:

9/2/94

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 408364
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
25	945937	NON-AQ	08/15/94	08/17/94	08/20/94	1
PARAMETER			UNITS	25		
BENZENE			MG/KG	<0.025		
TOLUENE			MG/KG	<0.025		
ETHYLBENZENE			MG/KG	<0.025		
TOTAL XYLENES			MG/KG	0.028		

SURROGATE:

BROMOFLUOROBENZENE (%)

86



Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **408364**

August 24, 1994

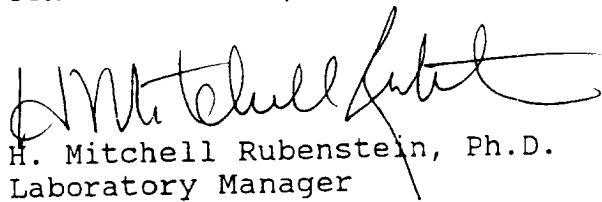
El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

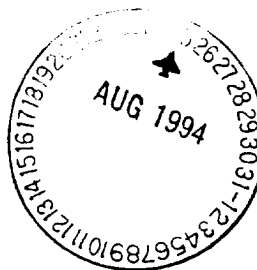
On **08/17/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.


H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure





CHAIN OF CUSTODY RECORD

[illegible]

PHILIP ENVIRONMENTAL

Project Name	EPNG Pits		
Project Number	14509	Phase	6000.77
Project Location	Huerfano	No	25-4 14031

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

Date/Time Completed		Core ID		Sample Description		USCS	Depth	Air Monitoring			Drilling Conditions
Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (Inches)	Classification System: USCS	Symbol	Lithology Change (feet)	Units: PPM	BZ	BH	S	& Blow Counts
0				Backfill material to 12'							
5											
10											
15											
20	1	18-20'	1.5 2.0	SAND, Gray, coarse grained, loose, moist.						106/ 445	1228
25	2	23-25'	1.5 2.0	S.A.A.						168/ 245	1238
30	3	28-30'	0.6 2.0	SANDSTONE, gray/brown, coarse grained, dry						468/ 215	1252
35	4	33-35'	18.8 2	S.A.A.						100/ 238	1302
40				Sandstone Due to refusal boring terminated at 37'							

Comments:

Refusal at 37', Not able to collect sample. BH grouted to top

Geologist Signature

Jeffrey Knicker