EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE



Stewart LS 5 Meter/Line ID - 71373

SITE DETAILS

Legals - Twn: 30N

Rng: 10W

Sec: 20

Unit: L

NMOCD Hazard Ranking: 40

Land Type: BLM

Operator: Amoco

Pit Closure Date: 09/13/94

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.

A Phase I excavation was conducted on September 13, 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 pit. Approximately 40 cubic yards of 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 1131 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of 301 mg/kg, and a TPH concentration of 2090 mg/kg. TPH and BTEX were above required remediation levels for the Hazard Ranking Score.

On August 1, 1995, a Phase II borehole was conducted to 50 feet below ground surface where bedrock was encountered. 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 almost 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 excavation or the borehole.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Bedrock was encountered at 50 feet below ground surface; consequently, impact to groundwater is unlikely.
- Excavated material has been removed from the pit eliminating potential direct contact with livestock and the public.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of site.

ATTACHMENT

Field Pit Assessment Form

Phase II Geologic Log

FIELD PIT SITE ASSESSMENT FORM

1	
GENERAL	Meter: 71-373 Location: Stewart 155 Operator #: 0203 Operator Name: Production P/L District: Mztec Coordinates: Letter: Section ZO Township: 30 Range: 10 Or Latitude Longitude Pit Type: Dehydrator Location Drip: \times Line Drip: Other: Site Assessment Date: 8/4/94 Area: 04 Run: Z1
S ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Less Than 50 Feet (20 points) For to 99 Ft (10 points) Greater Than 100 Ft (0 points) 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? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) M(1) State (2) State (2) (1) State (2) (3) Valida Valida
S	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 Potter Canyon (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: Redline Book-Inside Vulnerable Zone Topo-Inside Two pits on site, location drip pit 15 dry, will close one pit-

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 71373 Location: Stewart LS 5 Coordinates: Letter: L Section 20 Township: 30 Range: 10 Or Latitude Longitude Date Started: 9/13/94 Run: 04 21
L'IELD OBSERVATIONS	Sample Number(s): KD 253 Sample Depth: 12' Feet Final PID Reading 131 PID Reading Depth 12' Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 9/13/94 Pit Closed By: BET
REMARKS	Remarks: Excavated pit 12', Took pid Sample, Closedpit Signature of Specialist: hum an (SP3191) 03/16/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field	ID		Lab ID					
SAMPLE NUMBER:	KD 25	3	946	112					
MTR CODE SITE NAME:	71373			N/A					
SAMPLE DATE TIME (Hrs):	9-13-94		09	13					
SAMPLED BY:		N/A	Α						
DATE OF TPH EXT. ANAL.:	9-15-9	4	9-15	- 94					
DATE OF BTEX EXT. ANAL.:	9-19-	1	91.9	94					
TYPE DESCRIPTION:	V C		Brown/1	yen sond	of Clay				
			/ 0	/	- 1				
REMARKS: _									
	F	RESULTS							
				QUALIFIE	:PQ				
PARAMETER	RESULT	UNITS	DF	Q	M(g)	V(ml)			
BENZENE	40.5	MG/KG	2.0						
TOLUENE	S. O	MG/KG	20						
ETHYL BENZENE	15	MG/KG	20_						
TOTAL XYLENES	280	MG/KG	ఖు						
TOTAL BTEX	301	MG/KG							
TPH (418.1)	2090	MG/KG			2.09	28			
HEADSPACE PID	1131	PPM			Acceptance of the second secon				
	On 1	%							
PERCENT SOLIDS	89.6	<u> </u>							
he Surrogate Recovery was at	TPH is by EPA Method) しる	418.1 and BTEX is by E % for this sample	All QA/QC			د اتم			
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GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 409367

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPL ID. #		MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	946111	NON-AQ	09/13/94	09/19/94	09/19/94	10
05	946112	NON-AQ	09/13/94	09/19/94	09/19/94	20
06	946113	NON-AQ	09/13/94	09/19/94	09/19/94	20
PARAM	FTER		UNITS	04	05	06
NZE			MG/KG	<0.25	<0.5	9.6
TOLUE			MG/KG	1.3	5.0	230 D(50)
			MG/KG	2.7	15	33
ETHYLBENZENE TOTAL XYLENES			MG/KG	55	280	410
SURRO	GATE:					
BROMO	FLUOROBENZENE (%)		91	168*	113

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE D(50)=DILUTED 50X, ANALYZED 09/21/94



ATI I.D. 409367

September 22, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 09/16/94, 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.

Letitia Krakowski, Ph.D.

Project Manager

MR:jt

Enclosure





CHAIN OF CUSTODY RECORD

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FIELD ID KD 255 KD 255 KD 255 INSTANCE STREELY SIGNALUR STANDER RECEIVED BY: (SIGNALUR) CHARGE CODE CHARGE CODE CHARGE CODE CHARGE CODE		PROJECT NAME PIT CLOSURE PLOJECT	Project		ERS SER			REQUEST	REQUESTED ANALYSIS	_	CONTRACT LABORATORY P. C. NUMBEH
## DATE TIME MATRIX FIELD FB FE FE FE FE FE FE FE	•	home	Call	DATE: 9/13/9	MUN JA'	SAMPLE TYPE				# nence	
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White - Testing Laboratory Canary - EPNG Lab Pink - Field Sampler

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.
4000 Monroe Road
Farmington, New Mexico 87401
(606) 326-2262 FAX (606) 326-2388

Elevation			
Borehole Location 13	0.1	R 10	, 520 L
GWL Depth	-		, ,
Logged By S.K	elly	7.	Kindley
Drilled By	· · ·	Dor	ahue
Date/Time Started	8/1	195	1015
Date/Time Completed	110	195	1235

Borehole #	BH-I
Well #	
Page {	of 2

Project Name	EPNG Pits			
Project Number	14509	Phase	501 6000	
Project Location	Stewart	<u>L\$5</u>	, 71373	
Well Logged By	S:Kelly	J. K	indley	0 6.4

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method

Air Monitoring Method

CGI, PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	l .	Monitor nits: ND BH		Drilling Conditions & Blow Counts
E				Backfill to 12 Feet						
5										
										·
			:							
15								-		1030
20	1	18-20	હોય	SAND, dank gray, coalee grain, loose, Moist					20(/ /53(1030
25	2.	23-25	1.2 1.2	s.a.a .					209/ 205	1040
30	3	18-3 0	به ام	CLAY, dank gray, SHFF, moist					304/ 311	1046
35	4	33 <i>- 3</i> 9	1.2	S.A.A with sand seems (tan)				·	191/ 294	10.55
40	5	38-40	بارد	SIL+ with clay (20%) dry		·			149/ 258	ווסד

Comments:	
	Geologist Signature

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp. 4000 Monroe Road **EPNG Pits** Project Name Farmington, New Mexico 87401 14509 Phase Project Number (606) 326-2262 FAX (605) 326-2388 StewartLS5 Project Location G.Kolly J. Kindle Well Logged By Elevation Personnel On-Site **Borehole Location** Contractors On-Site GWL Depth Client Personnel On-Site Logged By S.Kelly Drilled By **Drilling Method** Date/Time Started CGI, PID

Depth **Drilling Conditions** Lithology Air Monitoring Sample Description USCS Sample Type & Depth Units: NDU5/HS Classification System: USCS Change & Blow Counts Symbol (Feet) Number Interval Recovery вн (feet) (inches) 4345 6 5,A.A.

48-50 1.5 Sandstone (gray/known).

How dry

Rowing terminated at 50 15 20 25 30 35

Air Monitoring Method

Comments:

40

ANT A DELENBER LOC VIC

No sample due to high headspare readings at refusa

Geologist Signature

AK

Date/Time Completed