Semester SPIR CLOSURE SUMMARY

DEPLITY OIL & GAS INSPECTOR

JUL 1 7 1998

Huerfanito No. 64 Meter/Line ID - 70884

Legals - Twn: 26 ing: 9

NMOCD Hazard Ranking: 20

Operator: Meridian

SITE DETAILS

Sec: 12

Unit: D

Land Type: FEE

PREVIOUS ACTIVITIES

Site Assessment: 6/21/94

Monitor Well: N/A

Excavation: 8/11/94

Re-Excavation: N/A

Soil Boring: 8/19/95

Geoprobe: N/A

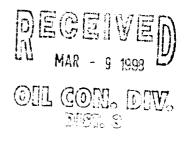
CONCLUSIONS

The excavation was excavated to the practical extent of the trackhoe, which was 12 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 256 ppm at 12 feet bgs. Excavation was terminated and a sample was collected and analyzed for BTEX and TPH. Sample analysis indicated total BTEX to be above standards at 111 mg/kg and TPH was above standards at 3.050 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of the impact to soils. The soil lithology consisted of a brown fine grained sand, which continued to the termination of the boring at 20 feet bgs. A sample was collected for BTEX and TPH analysis at 18-20 feet bgs. Laboratory analysis showed total BTEX to be below laboratory detection limits and TPH present at 36.3 mg/kg.

RECOMMENDATIONS

No further action is recommended at the site for the following reasons:

- The bulk of the impacted soil was removed during the phase 1 excavation.
- Test boring sample results indicated soils below standards 6 feet beneath the initial excavation.
- No groundwater was encountered in the test boring.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soils at the bottom of the initial excavation will
 naturally degrade in time with minimal risk to the environment.



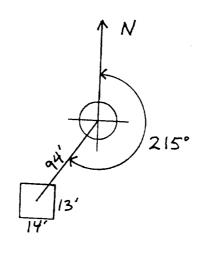
FIELD PIT SITE ASSESSMENT FORM

12	
GENERAL	Meter: 70884 Location: Huerfanito No. 64 Operator #: 2999 Operator Name: Menidian P/L District: Balland Coordinates: Letter: D Section 12 Township: 26 Range: 9W Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 6-21-94 Area: 11 Run: 9L
	NMOCD Zone: (From NMOCD Maps) Inside Outside Crowndwater Land Type: BLM State (2) Fee (3) Indian Depth to Crowndwater
	Depth to GroundwaterLess Than 50 Feet (20 points)□ (1)50 Ft to 99 Ft (10 points)□ (2)Greater Than 100 Ft (0 points)□ (3)
ASSESSMENT	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? (1) YES (20 points) (2) NO (0 points)
SITE ASS	Horizontal Distance to Surface Water Body 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 Reed Canyon Wash (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: 20 POINTS
EMARKS	Remarks: One pit on location - Dry
MA]	Inside V.Z. on Redline & TOPO
1 闰	Town of Assessment

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 215 Footage from Wellhead 94

b) Length: 14 Width: 13 Depth: 3



	Remarks:
	Photos-1540
	Bobtail
S	
REMARKS	
3MA	
22	
,	
	Completed By:

Signature

6-21-94

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

34	Meter: 70884 Location: Huerfanito No. 64
GENERAL	Coordinates: Letter: D Section 12 Township: 26 Range: 9 Or Latitude Longitude Date Started: 8-11-94 Run: 44 91
FIELD OBSERVATIONS	Sample Number(s):
CLOSTIRE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 8-11-94 Pit Closed By: 18-5 T
DEWADES	Remarks: Some Line markers. On Location. dug a test hole Pit dirty. Soil turned Dark gray, At 12' Soil Still the Same. Closed Pit.
	Signature of Specialist: Kelly Padille

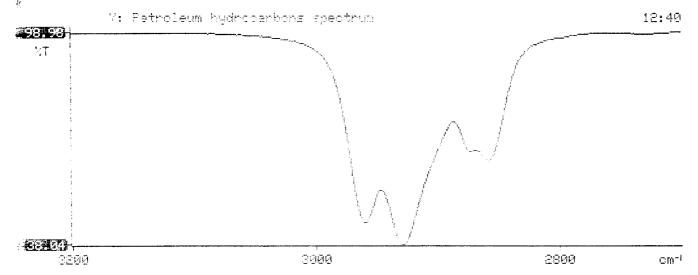


FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

	SAMPLE	IDENTIFICA'	TION					
	Field	ID		Lab ID				
SAMPLE NUMBER:	KP181		94590	7				
MTR CODE SITE NAME:	70884							
SAMPLE DATE TIME (Hrs):	8-11-9	4	1600					
SAMPLED BY:		N/	7					
DATE OF TPH EXT. ANAL.:	<i>P</i> -	16-94	8/1	6/94				
DATE OF BTEX EXT. ANAL.:	8	17/94	1 8119	194				
TYPE DESCRIPTION: VC								
REMARKS:								
		RESULTS						
					 			
PARAMETER	RESULT UNITS QUALIFIERS DF Q MG				IERS M(g)) V(mi)		
BENZENE	40.25	MG/KG	10					
TOLUENE	39	MG/KG	10					
ETHYL BENZENE	3.0	MG/KG	10					
TOTAL XYLENES	69	MG/KG	10					
TOTAL BTEX	111	MG/KG						
TPH (418.1)	3050	MG/KG			2.17	28		
HEADSPACE PID	256	PPM						
PERCENT SOLIDS	90.8	%						
The Surrogate Recovery was at	TPH is by EPA Method	418.1 and BTEX is by _% for this samp			otable.			
Narrative:			umgate	l l	even	<u>was</u>		
DF = Dilution Factor Used	- QC Jim	VIS and	TOUR	atrix	Tex () Lever (

10 mg 自2000年,在自2012年,19 Test Method for Gil and Grease and Petroleum Hydrocarbons in Water and Soil Perkin-Elmer Model 1600 FT-IR Analysis Report 74/08/16 12:40 Sample identification 945907 Thittal mass of sample: g 1 Volume of sample after extraction, ml Petroleum hydrocarbons, ppm 3051.151 Net absorbance of hydrocarbons (2930 cm-1) 0.415 水火





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



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 408364

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPL:		MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	945907	NON-AQ	08/11/94	08/17/94	08/19/94	10
11	945912	NON-AQ	08/12/94	08/17/94	08/19/94	1
12	945913	NON-AQ	08/12/94	08/17/94	08/19/94	20
PARAM	ETER		UNITS	10	11	12
BENZE	NE		MG/KG	<0.25	<0.025	10
TOLUE	NE		MG/KG	39	<0.025	110
ETHYL	BENZENE		MG/KG	3.0	<0.025	20
TOTAL	XYLENES		MG/KG	69	<0.025	190
SURRO	GATE:					
BROMO	FLUOROBENZENE (%)		277*	94	350*

^{*}OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PHASE II

RECORD OF SUBSURFACE EXPLORATION

5wx 32

8 Borehole # BH-1 Well # Page 1 of: 1

PHILIP ENVIRONMENTA

4000 Monroe Road Farmington, New Mexico 87401 (505) 326-2262 FAX (506) 326-2388

roject Name	EPNG Pits			
roject Number	14509	Phase	6000).77
roject Location	Huer Fan	to No	64	70884

Elevation

Borehole Location
GWL Depth
Logged By
Drilled By
Date/Time Started
Date/Time Completed

Elevation

T26N, R9W, 512 D

Jeff W. Kindley

6. Syddull

0819195 0730

0819195 0815

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

Drilling Method 4 1/4 ID HSA

Air Monitoring Method PID, CGI

Depth Sam (Feet) Num		Sample Interval	Sample Type & Recovery	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Monitorir its: PPV BH	- 1	Drilling Conditions & Blow Counts
0	ŀ	18-20	(inches)	Back Fill material to 12' SW, be sand, Fine grained, dry, medium dame, no odor. Boring terminated at 20'				3/3	0751 15 blows on foot

Comments:	Sample TRH.	Callectal	From	18 to	au Lat	- and	analy	red	Fo	BTEX on	d_
Johnne He	118 Py	BH COM	tod in	the	subte						
									Λ.	^	

Geologist Signature

Jeffy Kmdley



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JWK 32	947275
MTR CODE SITE NAME:	70884	Huerfanito No. 64
SAMPLE DATE TIME (Hrs):	08-19-95	0751
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	8/21/95	8-21-95
DATE OF BTEX EXT. ANAL.:	8/23/95	8/23/95
TYPE DESCRIPTION:	VG	Brown Sand & clay

Field Remarks:	
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RESULTS

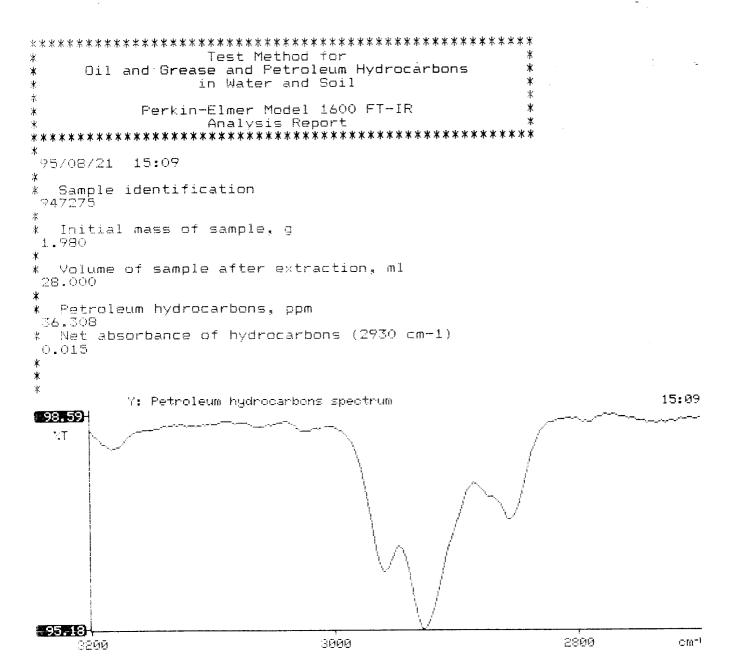
PARAMETER	RESULT	UNITS	.41	QUALIFI	QUALIFIERS		
Modern			DF	Q	M(g)	V(ml)	
BENZENE	4 .5	MG/KG					
TOLUENE	< .5	MG/KG					
ETHYL BENZENE	< .5	MG/KG					
TOTAL XYLENES	< 1.5	MG/KG				_	
TOTAL BTEX	4 3	MG/KG					
TPH (418. 1)	36.3 1	45 MG/KG			1.98	28	
HEADSPACE PID	3	PPM	1.00 gr 1				
PERCENT SOLIDS	9.3	%	, est -				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -
112% for this sample All QA/QC was acceptable.

DF = Dilution Factor Used		
\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	Data	8/

The Surrogate Recovery was at

Narrative:



BTEXSOIL SAMPLE WORKSHEET

File Soil Mas Extraction vol Shot Volum	s (g) : l. (mL) :	94 72 75 4 .97 20 100	DF (Analyt	(L/g) :	8/25/95 0.00101 200 0.20121	
						Det. Limit
Benzene	(ug/L) :	0 .00	Benzene (mg/Kg):	0.000	0.503
Toluene	(ug/L) :	0 0. 0	Toluene (mg/Kg):	0.000	0.503
Ethylbenzene	(ug/L) :	D .00	Ethylbenzene ((mg/Kg):	0.000	0.503
p & m-xylene	(ug/L):	10 .00	p & m-xylene	(mg/Kg):	0.000	1.006
o-xylene	(ug/L) :	00. a	o-xylene	(mg/Kg):	0.000	0.503
•	· - ·		Total xylenes ((mg/Kg):	0.000	1.509
			Total BTEX ((mg/Kg):	0.000	

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\082395-1.008
Method : C:\LABQUEST\METHODS\9001.MET

Sample ID : 947275,4.97G,100U Acquired : Aug 23, 1995 20:40:06 Printed : Aug 23, 1995 21:06:19

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.420	0	0.0000
a,a,a TFT	4.937	5183601	99.6661
TOLUENE	6.783	112918	-0.4349
ETHYLBENZENE	10.453	0	0.0000
M & P XYLENE	10.893	73965	-4.9588
O XYLENE	11.933	0	0.0000
BFB	13.433	80986824	112.4291

C:\LABQUEST\CHROM001\082395-1.008 - Channel A

