

Denny E. Foust

DEPUTY OIL & GAS INSPECTOR SERVICES

PIT CLOSURE REPORT

AUG 09 1999

OK

CANYON LARGO UNIT #99
Meter/Line ID - 72629

SITE DETAILS

Legals - Twn: 25N Rng: 7W
NMOCD Hazard Ranking: 10
Operator: EPFS

Sec: 36 Unit: M
Land Type: State

PREVIOUS ACTIVITIES

Site Assessment: July-94 Test Excavation: Aug-94

A test excavation was conducted on the pit and a soil sample was collected at 12 feet beneath ground surface (bgs). The headspace soil reading from the excavation bottom was 48 ppm. Soil analytical results were as follows: TPH (418.1) 90.6mg/kg.

CONCLUSIONS

The primary source, discharge to the pit, has been removed and the pit has been closed for over four years.

Groundwater was not encountered and an analytical soil sample, collected from below the pit, was below New Mexico Oil Conservation Division (NMOCD) standards for a pit with a hazard ranking of 10. Impact to groundwater is unlikely and no excavation of soils from the pit was required to meet closure standards. The pit was filled with clean fill dirt during final pit closure activities.

RECOMMENDATIONS

- EPFS requests closure at this site.

ATTACHMENTS

Revised Field Pit Assessment Form
Field Pit Assessment Form
Field Pit Remediation/Closure Form
Laboratory Analytical Results
Chain of Custody

RECEIVED
JUN 22 1999

OIL CON. DIV.
DIST. 3

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>72629</u> Location: <u>Canyon Largo Unit #99</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: <u>M</u> Section <u>36</u> Township: <u>25</u> Range: <u>7</u></p> <p style="padding-left: 40px;">Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>12/18/97</u> Area: _____ Run: _____</p>
SITE ASSESSMENT	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>NMOCD Zone: (From NMOCD Maps)</p> <p style="padding-left: 40px;">Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> </div> <div style="width: 45%;"> <p>Land Type:</p> <p>BLM <input type="checkbox"/> (1) State <input checked="" type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> </div> </div> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Wellhead Protection Area</p> <p>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?</p> <p style="text-align: center;"><input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>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 _____</p> <p>(Surface Water Body: Perennial Rivers, 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>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is >1000' from center of Rockhouse Canyon Wash</u></p>

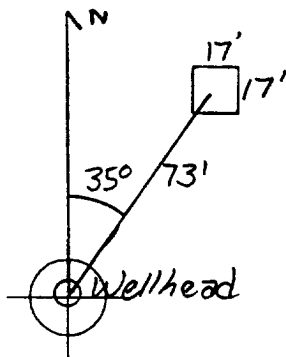
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>72-629</u> Location: <u>Canyon Largo Unit No. 99</u> Operator #: <u>2999</u> Operator Name: <u>Medford</u> P/L District: <u>Ballard</u> Coordinates: Letter: <u>M</u> Section: <u>36</u> Township: <u>25</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>07/05/94</u> Area: <u>07</u> Run: <u>62</u>	
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2) Land Type: BLM <input type="checkbox"/> (1) State <input checked="" type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ 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) 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) 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) Name of Surface Water Body <u>Rockhouse Canyon</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' TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS	
REMARKS	Remarks : <u>Redline Book - Outside Vulnerable Zone Type - Outside</u> <u>One pit, pit is dry, will close one pit.</u> <div style="text-align: right;"><u>Push In</u></div>	

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 35° Footage from Wellhead 73'
b) Length : 17' Width : 17' Depth : 3'



REMARKS

Remarks :

Pictures @ 10:03 (7/6/94) (5-8, Roll 12)
Dump Truck

Completed By:

Sarah Kelly

Signature

7/5/94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>72629</u> Location: <u>CANYON Largo UNIT No. 99</u></p> <p>Coordinates: Letter: <u>M</u> Section <u>36</u> Township: <u>25</u> Range: <u>7</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>8-25-94</u> Run: <u>07</u> <u>62</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP 210</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>048</u> PID Reading Depth <u>12'</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 <input checked="" type="checkbox"/></p> </div> <div> <p><input type="checkbox"/> Approx. Cubic Yards _____</p> <p><input type="checkbox"/></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"/></p> </div> <div> <p><input type="checkbox"/> Tierra</p> <p>Name: _____</p> </div> </div> <p>Pit Closure Date: <u>8-25-94</u> Pit Closed By: <u>B.E.I</u></p>
REMARKS	<p>Remarks : <u>Some Line markers. Dug a test hole to 12'</u></p> <p><u>Pid closed pit</u></p> <p style="text-align: right;"><u><u>PUSH IN</u></u></p>
	<p>Signature of Specialist: <u>Kelly Padilla</u></p>



outside

FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples ^{outside} Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 210	946011
MTR CODE SITE NAME:	72629	N/A
SAMPLE DATE TIME (Hrs):	8/25/94	1540
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	8-30-94	8/30/94
DATE OF BTEX EXT. ANAL.:	8/31/94	9/6/94
TYPE DESCRIPTION:	V6	Brown Sand & Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	LO.025	MG/KG	1			
TOLUENE	0.026	MG/KG	1			
ETHYL BENZENE	0.099	MG/KG	1			
TOTAL XYLENES	0.033	MG/KG	1			
TOTAL BTEX	0.183	MG/KG				
TPH (418.1)	96.0 90.6	MG/KG			2.04	2.8
HEADSPACE PID	48	PPM				
PERCENT SOLIDS	89.2	%				

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

The Surrogate Recovery was at 95 % for this sample All QA/QC was acceptable.

Narrative:

ATI results attached.

DF = Dilution Factor Used

Approved By: J.S.

Date: 9/30/94

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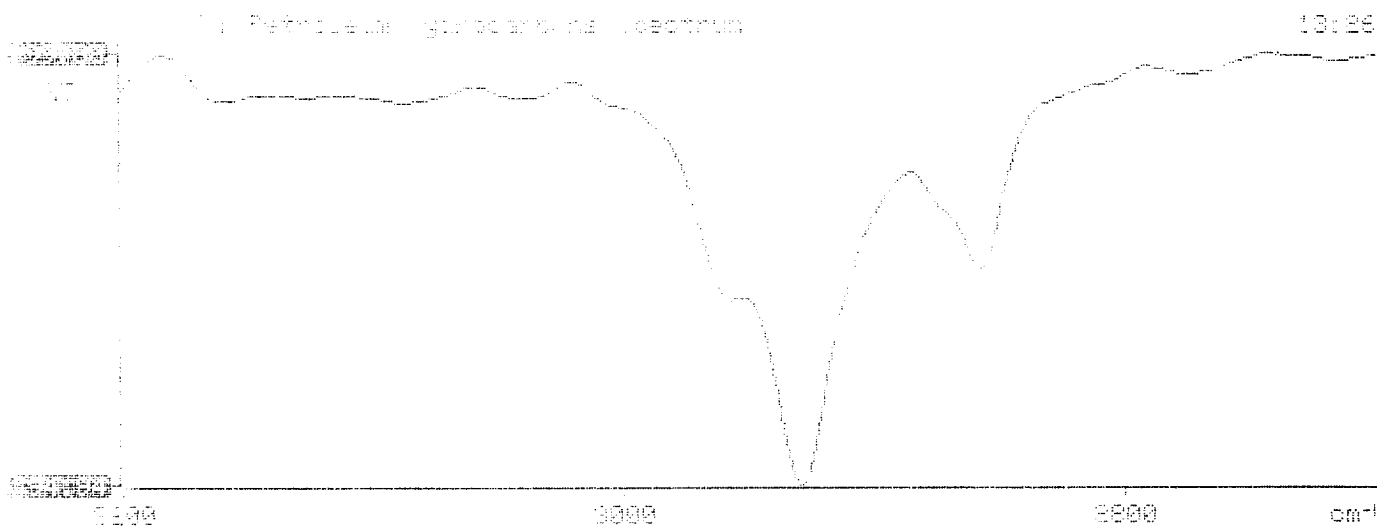
*****
*                               *
*      Test Method for          *
*      Oil and Grease and Petroleum Hydrocarbons *
*      in Water and Soil       *
*                               *
*      Perkin-Elmer Model 1400 FT-IR *
*      Analysis Report          *
*                               *
*****

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94/08/30 13:26
*
* Sample Identification
* 844011
*
* Initial mass of sample, g
* 5.740
*
* Volume of sample after extraction, ml
* 55.000
*
* Petroleum hydrocarbons, ppm
* 50.858
*
* 4% Absorbance of hydrocarbon (2950 cm-1)
* 0.071

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Analytical **Technologies**, Inc.

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

ATI I.D. 408425

September 12, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 08/31/94, 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

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.: 408425
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	946009	NON-AQ	08/25/94	08/31/94	09/07/94	10
05	946010	NON-AQ	08/25/94	08/31/94	09/06/94	1
06	946011	NON-AQ	08/25/94	08/31/94	09/06/94	1

PARAMETER	UNITS	04	05	06
BENZENE	MG/KG	<0.25	<0.025	<0.025
TOLUENE	MG/KG	46	0.032	0.026
ETHYLBENZENE	MG/KG	0.68	0.096	0.099
TOTAL XYLENES	MG/KG	4.3	0.047	0.033

SURROGATE:

BROMOFLUOROBENZENE (%)	58*	96	95
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*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE