

3R - 355

REPORTS

DATE:

Nov. 1994

ENVIROTECH INC.

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OIL CONSERVATION DIV.
SANTA FE

**CLOSURE REPORT
SANTA FE #1
SANTA FE PACIFIC GOLD CORP
SECTION 9 T19N., R6W., NMPM
MCKINLEY COUNTY, NEW MEXICO**

**PREPARED FOR:
SANTA FE PACIFIC GOLD**

NOVEMBER 1994 PROJECT 94103

NOVEMBER 1994

PROJECT 94103

**CLOSURE REPORT
SANTA FE #1
SANTA FE PACIFIC GOLD CORP
SECTION 9 T19N., R6W., NMPM
MCKINLEY COUNTY, NEW MEXICO**

INTRODUCTION

Santa Fe Pacific Gold Corporation (SFG) retained Envirotech Inc. to develop a pit closure plan for the Santa Fe #1 well. The location of this well is the SE/4 SW/4 Section 9, T19N, R6W NMPM, McKinley County, New Mexico and is shown on sheet 1. This well was plugged and abandoned in November 1993. This closure plan was submitted in August 1994 and was accepted and approved on October 6, by the Navajo Environmental Protection Agency (NEPA). Following approval, Envirotech was retained by SFG to implement the pit closure plan.

REMEDIAL ACTION

PIT AREA

Remedial action started on October 24, 1994 and consisted of excavation of contaminated soil in the unlined pit. Prior to excavation, approximately 60 bbls of oily water was removed from the pit using a contract vacuum truck. This water was transported to Envirotech's Landfarm #2 for stabilization and disposal. The pit was excavated until bedrock was encountered at a depth of approximately 5.5 ft. below ground level. The excavated soil was monitored using visual guidelines, and by testing the limits of the final excavation with an organic vapor meter(OVM) using headspace samples as described in the pit closure plan. Once all visible contaminated soil was removed from the pit area, confirmation soil samples were taken from all four pit walls and the floor of the pit and tested in the field with an OVM as well as a portable I.R. spectrophotometer for total petroleum hydrocarbons(TPH) using Field Modified EPA Method 418.1.

SPILL AREAS

Several small areas west and north of the pit with visible soil contamination were excavated to depths varying from 12 to 36 inches and the soils stockpiled. Five spot composite soil samples were taken from each of these excavated areas and the samples were tested in the field for OVM headspace and field modified EPA method 418.1 for TPH. Excavation in this areas was continued until OVM headspace readings were less than 100 ppm and the TPH values were less than 5,000 ppm.

RESULTS

The excavated areas as well as depth and soil sample locations are shown on sheet 2. Lab analysis for soil samples are included as appendix A. TPH and OVM values are summarized in the following table.

TABLE 1.

Sample I.D.	Lab No.	OVM ppm	TPH ppm
Background	860	0.0	18
Reagent Blank	861	0.0	21
5 @ 5.5'	862	277	8,415
1 @ 5.0'	863	22	209
2 @ 3.0'	864	0.0	78
3 @ 3.0'	865	96	2,020
4 @ 3.0'	866	5.0	984
4 Dup @ 3.0'	867	0.0	1,165
6 @ 2.0'	868	0.0	2,515
7 @ 2.0'	869	0.0	5,536
8 @ 1.0'	870	4.0	5,436
9 @ 2.0'	871	0.0	749
10 @ 2.0'	872	1.0	757
10 Dup @ 2.0'	873	1.0	789
11 @ 3.0'	874	4.0	369

A West to East profile of the excavated pit is included as sheet 3. Hydrocarbon contamination is confined to the permeable sands in the western part of the pit area. During excavation this contamination was readily visible as a blue-grey to black coloration in the sandstone. The sample from the bottom of the pit, #862, exceeded the 5,000 ppm TPH and the 100 ppm OVM closure limits. Further excavation in this area is not practical, as bedrock has been encountered. Previous investigations in this area indicate the contaminated zone only extends approximately one foot into the sandstone bedrock. The bedrock was core drilled and analyzed to determine the depth that the hydrocarbon migrated into the sandstone interface.

Two other samples, #869 and #870, from the shallow spill areas, slightly exceeded the 5,000 TPH limit, however they did pass the 100 ppm OVM standard. Further sampling in these two areas, following additional excavation, yielded analysis that meet the accepted standards (Samples #871 & #874).

A background soil sample (#860) was collected from a an upgradient area approximately 300' due south of the wellhead, and had a 0.0 ppm reading on the OVM and a value of 18 ppm TPH.

Approximately 524 yards of contaminated soil was removed from the site and transported to Envirotech's Landfarm #2. Following excavation approximately 254 yards of clean fill dirt was hauled in to help backfill and recontour the area. Manifest's for the soil are included as Appendix B.

Photographs of the site are included as Appendix C and show the area as it looked before and after being remediated, as well as during excavation. Reseeding of the area remains to be done, and will be coordinated with the NEPA.

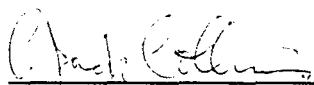
LIMITATIONS AND CLOSURE

This pit closure was conducted using the findings of prior site assessments and the guidelines of the July 1993 BLM Unlined Pit Remediation & Closure Program for the Farmington and Albuquerque Districts.

All soil contamination is believed to be E & P wastes and to have originated from the normal operation of the separator equipment on the location. No hazardous wastes are believed to be present or involved with the subject contamination as defined per RCRA (40 CFR 261).

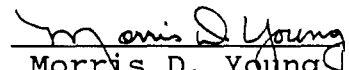
A Sundry Notice for the closure work is attached in the Appendix D.

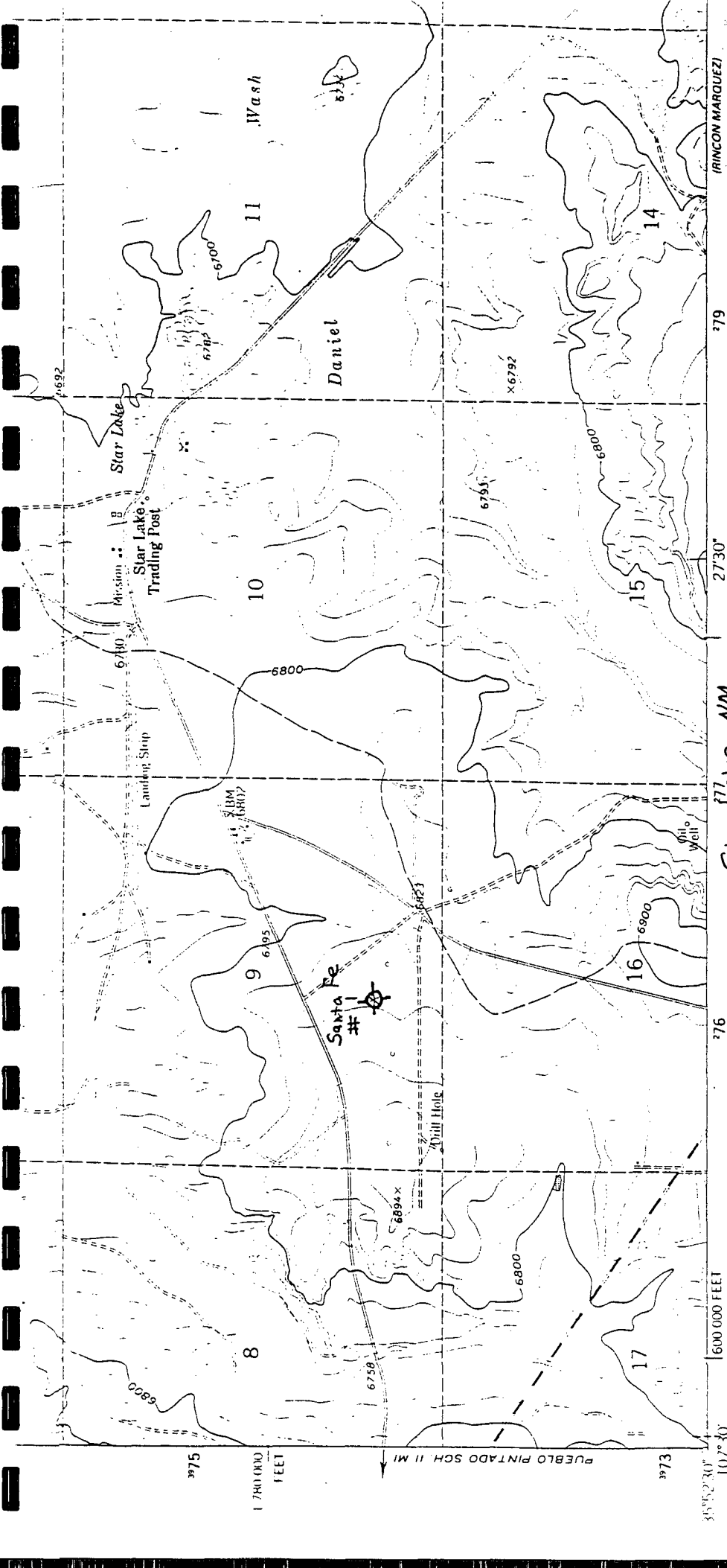
Respectfully Submitted
Envirotech Inc.



C. Jack Collins, P.G.
Hydrogeologist

Review
Envirotech Inc.


Morris D. Young
President



4553 156
HORSE PINCONI

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958. Field checked 1961

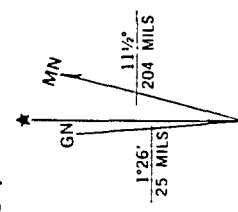
Polyconic projection. 1927 North American Datum
10,000-foot grid ticks based on New Mexico coordinate system, west zone
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

To place on the predicted North American datum 1983 move the projection lines 1 meter north and 54 meters east as shown by dashed corner ticks

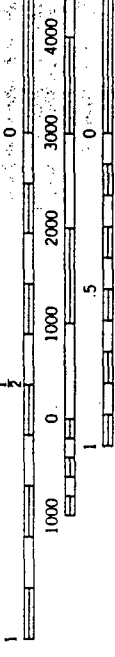
Revisions shown in purple and woodland compiled from aerial photographs taken 1981 and other sources. This information not field checked. Map edited 1989

Star Lake, NM
1989



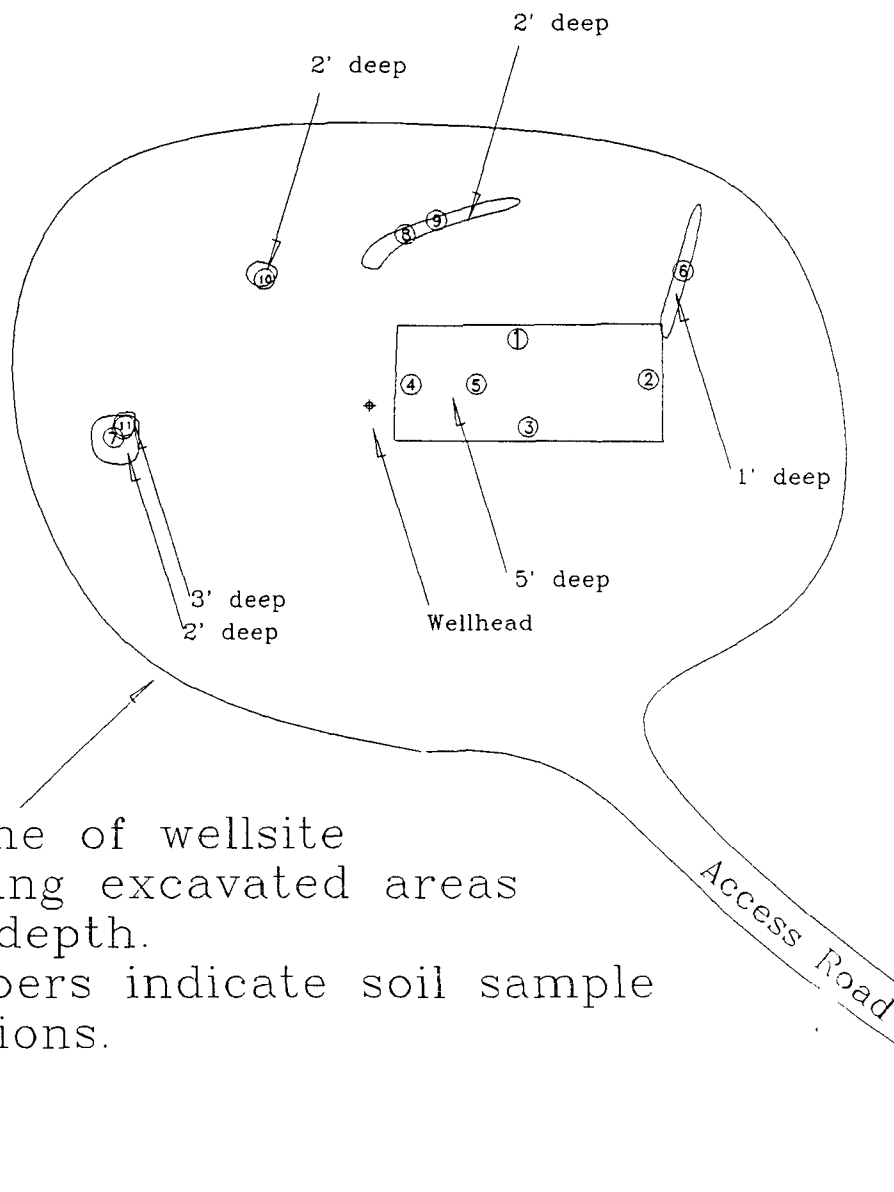
UTM GRID AND 1989 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

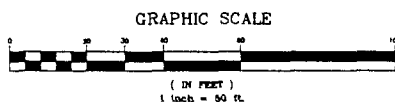


CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1983

THIS MAP COMPLIES WITH NATIONAL MAP ACTUALLY
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS



Outline of wellsite
showing excavated areas
and depth.
Numbers indicate soil sample
locations.



SANTA FE GOLD CORPORATION
Santa Fe #1, Hospah Coal Company
SE/4 SW/4 SEC 9, T19N, R6W NMPM
McKinley County, New Mexico
PROJECT: 94103 OCTOBER 1994

ENVIROTECH INC.
[REDACTED]
[REDACTED]
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION
MAP

SHEET 2

East

West

Clay, shale, tan, brown, soft, dry, slight odor

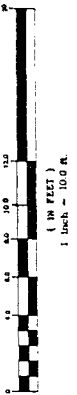
Sand, fine, tan, yellow-brown, soft, dry, slight odor

Sandstone, fine, well cemented, hard, blue - grey, strong odor.

Sandstone, fine, hard, yellow - tan, dry, no odor.

H = 2 x V

GRAPHIC SCALE

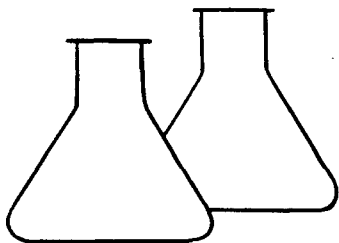


SANTA FE PACIFIC GOLD CORPORATION
Santa Fe #1, Hospah Coal Company
SE/4 SW/4 SEC 9, T19N, R8W NMPM
McKinley County, New Mexico
PROJECT: 94103 OCTOBER 1994

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
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PT
PROFILE

SHEET 3
BY CAC



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5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Santa Fe Gold	Project #:	94103
Sample ID:	11 @ 3.0'	Date Analyzed:	10-26-94
Project Location:	SANTA FE #1	Date Reported:	10-27-94
Laboratory Number:	GAC0874	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	369	10

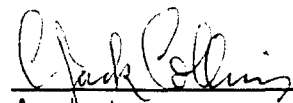
ND = Not Detectable at stated detection limits.

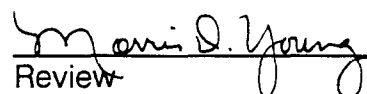
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	376 *	404	7

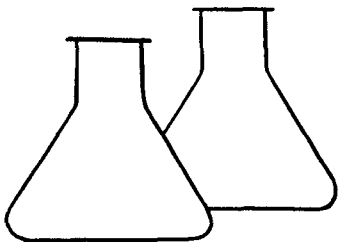
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: W. SPILL


Analyst


Review



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 10 DUP @ 2.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0873

Project #: 94103
Date Analyzed: 10-26-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	789	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	376 *	404	7

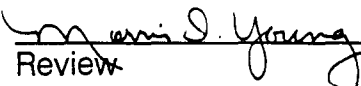
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

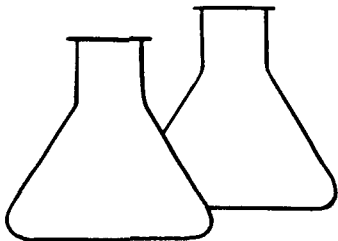
Comments: NW. SPILL



Analyst



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 10 @ 2.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0872

Project #: 94103
Date Analyzed: 10-26-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	757	10

ND = Not Detectable at stated detection limits.

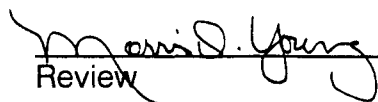
QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	376 *	404	7

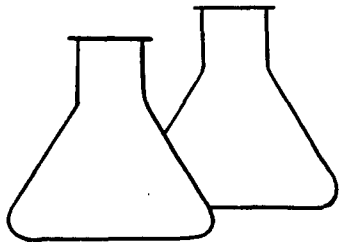
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: NW. SPILL


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 9 @ 2.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0871

Project #: 94103
Date Analyzed: 10-26-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	749	10

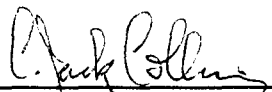
ND = Not Detectable at stated detection limits.

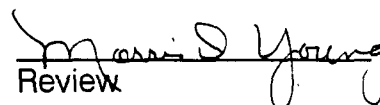
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	984 *	1,165	17

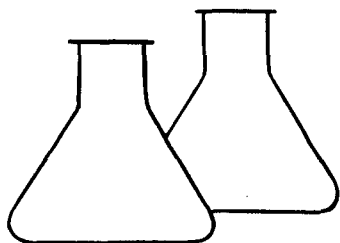
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: NW. SPILL


Analyst


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 8 @ 1.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0870

Project #: 94103
Date Analyzed: 10-26-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	5,456	99

ND = Not Detectable at stated detection limits.

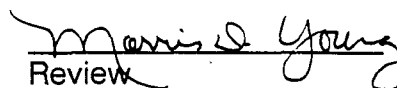
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	984 *	1,165	17

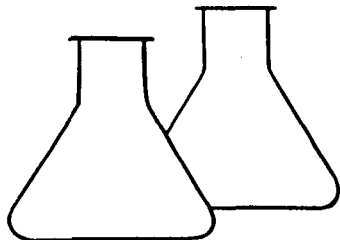
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: NW. SPILL


Analyst


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 7 @ 2.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0869

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	5,536	99

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	984 *	1,165	17

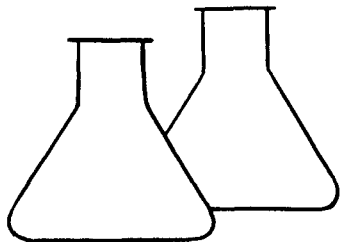
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: W. SPILL

Clark Collins
Analyst

Monis D. Young
Review



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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Santa Fe Gold	Project #:	94103
Sample ID:	6 @ 2.0'	Date Analyzed:	10-25-94
Project Location:	SANTA FE #1	Date Reported:	10-27-94
Laboratory Number:	GAC0868	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	2,515	98

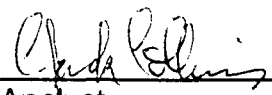
ND = Not Detectable at stated detection limits.

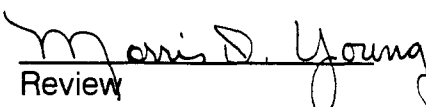
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	984 *	1,165	17

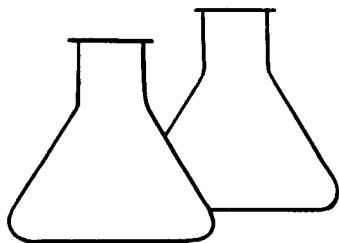
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: N. SPILL


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 4 DUP @ 3.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0867

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	1,165	12

ND = Not Detectable at stated detection limits.

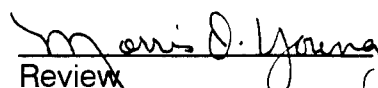
QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	984 *	1,165	17

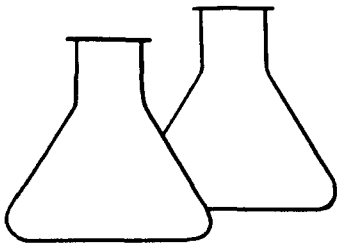
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: PIT


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 4 @ 3.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0866

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	984	12

ND = Not Detectable at stated detection limits.

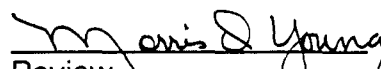
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	984 *	1,165	17

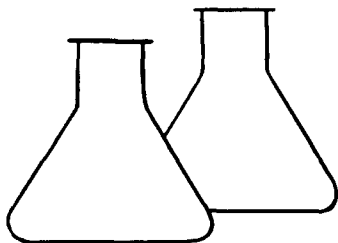
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: PIT


Analyst


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 3 @ 3.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0865

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	2,020	99

ND = Not Detectable at stated detection limits.

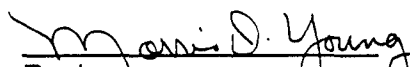
QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	16 *	14	12

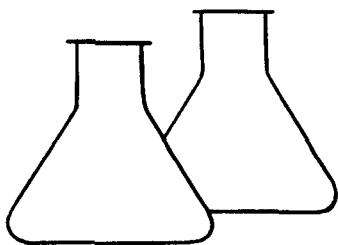
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Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: PIT


Analyst


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 2 @ 3.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0864

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	78	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	16 *	14	12

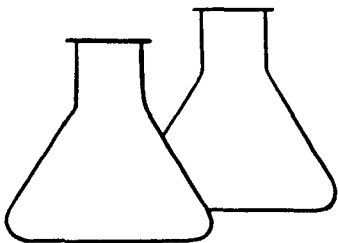
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: PIT

C. Jack Collins
Analyst

Morris D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: 1 @ 5.0'
Project Location: SANTA FE #1
Laboratory Number: GAC0863

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	209	10

ND = Not Detectable at stated detection limits.

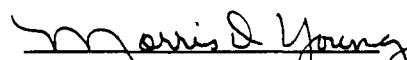
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	16 *	14	12

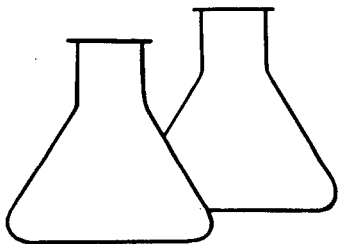
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: PIT


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Santa Fe Gold	Project #:	94103
Sample ID:	Pit Btm. @ 5.5'	Date Analyzed:	10-25-94
Project Location:	SANTA FE #1	Date Reported:	10-27-94
Laboratory Number:	GAC0862	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	8,415	98

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	16 *	14	12

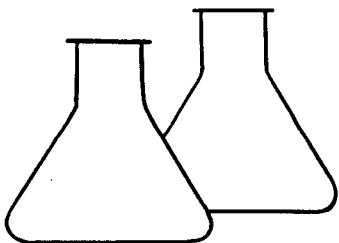
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: PIT

Patrick Collins
Analyst

Maria D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: RB-1
Project Location: SANTA FE #1
Laboratory Number: GAC0861

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	21	10

ND = Not Detectable at stated detection limits.

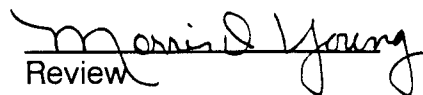
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	16 *	14	12

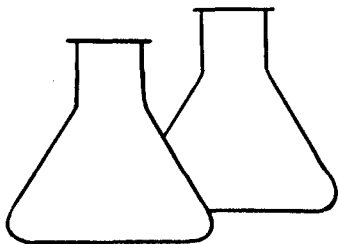
*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: REAGENT BLANK


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Santa Fe Gold
Sample ID: BG-1
Project Location: SANTA FE #1
Laboratory Number: GAC0860

Project #: 94103
Date Analyzed: 10-25-94
Date Reported: 10-27-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	18	10

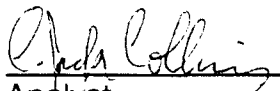
ND = Not Detectable at stated detection limits.

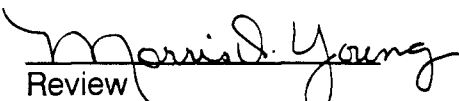
QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	16 *	14	12

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: 300' SOUTH OF WELLHEAD


Analyst


Review

ENVIROTECH INC. *SANTA FE GOLF* 94103

Bill of Lading

5399

PHONE: (505) 632-0615 • 5796 U.S. Highway 64 - 3014 • FARMINGTON, NEW MEXICO 87401

MONTH OF OCTOBER

MANIFEST		COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE
10-26	1	SANTA FE #1	LARVIA #2	CERT DIRT	6114	20	ENVIROTECH	528	<i>[Signature]</i>
10-26	1	SANTA FE #1	LARVIA #2	CERT DIRT	6114	20	ENVIROTECH	528	<i>[Signature]</i>
10-26	1	LARVIA #2	SANTA FE #1	FILL DIRT		20	ENVIROTECH	528	<i>[Signature]</i>
10-26	1	LARVIA #2	ENVIROTECH YARD	FILL DIRT		20	ENVIROTECH	528	<i>[Signature]</i>
						CHARGED NOV - 8 1994			

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAMED *TIMOTHY P. ELKERT* COMPANY *ENVIROTECH* SIGNATURE *[Signature]* DATE *10-26-94*

Bill of Lading

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 - 3014 • FARMINGTON, NEW MEXICO 87401

MONTH OF Oct 1954

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Tracy Wentack

COMPANY ENVIROTECH

SIGNATURE

DATE 10-26-94

ENVIROTECH INC.

Bill of Lading

5400

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • 3014 • FARMINGTON, NEW MEXICO 87401

MONTH OF OCT 1994

MANIFEST			COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
DATE	No.		POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE		
10-27	1		LAND FARM #2	SANTA FE #1	FILL DIRT	CHARGE	20	ENVIROTECH	EH8	J. M. Knight		
10-27	1		LAND FARM #2	SANTA FE #1	FILL DIRT		20	ENVIROTECH	EH8	J. M. Knight		
10-27	1		SANTA FE #1	LAND FARM #2	CERT DIRT	CHARGE	20	ENVIROTECH	EH8	J. M. Knight		
10-27	1		SANTA FE #1	LAND FARM #2	CERT DIRT	CHARGE	20	ENVIROTECH	EH8	J. M. Knight		
10-27	1		LAND FARM #2	ENVIROTECH	FILL DIRT		20	ENVIROTECH	EH8	J. M. Knight		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Timothy McElroy COMPANY ENVIROTECH SIGNATURE J. M. Knight DATE 10-27-94

Bill of Lading

MONTH OF

QAT 1994

CHARGED
6-10-44
4004

NAME: _____

COMPANY

SIGNATURE

1/21/94 see page 100 to 105, 110

DATE _____

Bill of Lading

TRANSPORTING COMPANY

MONTH OF _____

06T 94

985

CHARGED 1101 8 1994

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME J. A. Mullins COMPANY Enviro 42 cll SIGNATURE J. A. Mullins DATE 10/27/94

Bill of Lading

MONTH OF OCT 94

MONTH OF _____

OCT 94

CHARGED	19061	4
---------	-------	---

NAME J. A. MULLINS COMPANY ENVIA TRELL

SIGNATURE

1/27/95 san francisco form 578 80

DATE _____

Bill of Lading

MONTH OF Oct 94

CHARGED DEED NOV 8 1901

John M. King

COMPANY LEADING

SIGNATURE

DATE _____

Table 1.

22

Bill of Lading

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 - 3014 • FARMINGTON, NEW MEXICO 87401

MONTH OF _____

0351

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME _____

COMPANY

SIGNATURE

ENVIROTECH INC.

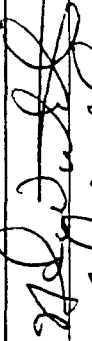
74103

Bill of Lading

5109

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • 3014 • FARMINGTON, NEW MEXICO 87401

MONTH OF Oct 94

MANIFEST		COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY				
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE		
31	1	E-Tech Land Farm Star-lake #1	Star-lake #1 Santa Fe Gold	Fill		20	Envirotech	48			
31	2	Santa Fe Gold	E-Tech LF #2	Cont Dirt	E-15	20	"	"			
31	3	En-Tech LF	Star-lake #1 Santa Fe Gold	Fill		20	"	"			
31	4	Santa Fe Gold	E-Tech LF 2	Cont Dirt	E-15	20	"	"			
CHARGED NOV - 9 1994											
31	1	E-Tech LF	RI Biggs	Fill		20	Envirotech	48			

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME

COMPANY

SIGNATURE

5402

FARMINGTON, NEW MEXICO 87401

MONTH OF October

CHARGED NOV - 8 1994

1-27/94 SAN JUAN COTOPACI 578 80

Bill of Lading

MONTH OF Oct 1994

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

DRIVER SIGNATURE

Thence

Chana

27-28

CHARGED NOV - 8 1994

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

1977-78

DATE _____

Bill of Lading

MONTH OF October

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME JAMES A. MOULTON COMPANY PERINTEGRITY SIGNATURE JAMES A. MOULTON

DATE 10/31/94

Bill of Lading

PHONE (505) 632-0615 • 5796 U.S. HIGHWAY 64 - 3014 • FARMINGTON, NEW MEXICO 87401

MONTH OF:

Nov 94

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

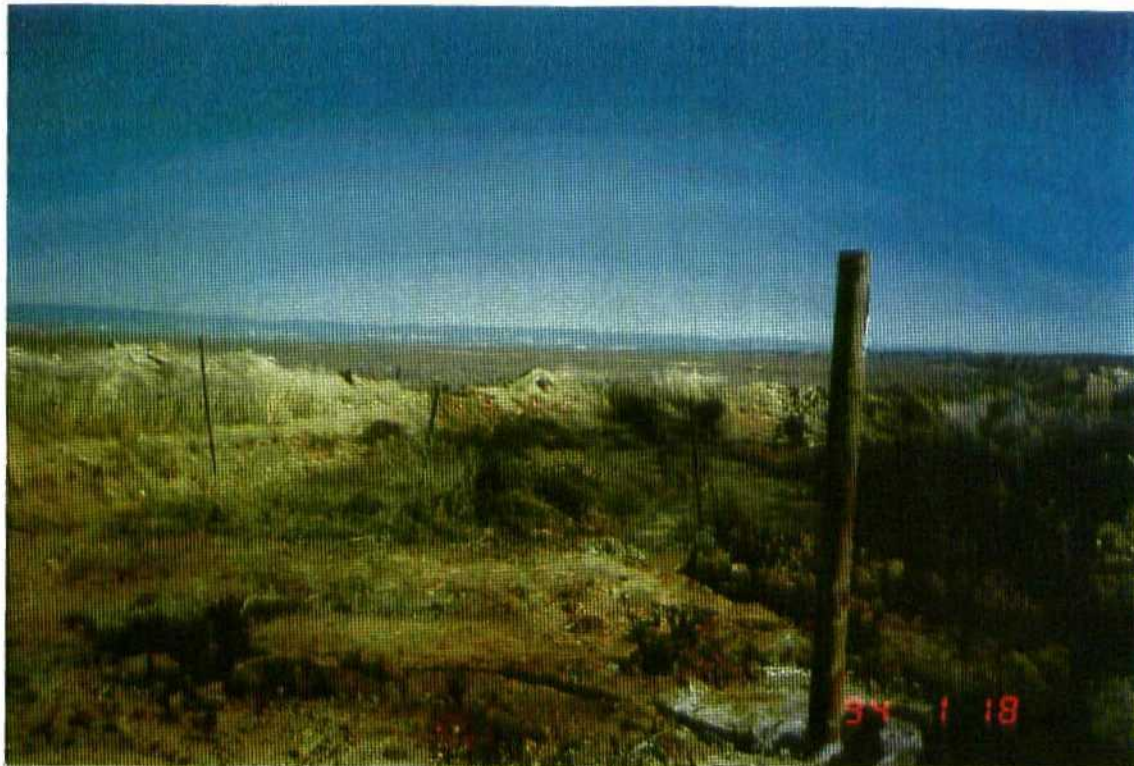
ENVIRONMENTAL

COMPANY

NAME _____ A. Williams

SIGNATURE

DATE 11/1/94



#1 VIEW TO NE SHOWING WELLHEAD AND PIT, PRIOR TO RECLAMATION



#2 VIEW TO WEST SHOWING OIL STAINED SOILS, PRIOR TO REMEDIATION

CLOSURE REPORT
 SANTA FE #1
 SANTA FE PACIFIC GOLD CORPORATION
 SECTION 9 T19N., R6W., NMPM
 MCKINLEY COUNTY, NEW MEXICO

Envirotech Inc.
 NOVEMBER 1994 PROJECT: 94103



#3 VIEW TO WEST SHOWING WELLHEAD AND EXCAVATION OF PIT



#4 VIEW TO NE SHOWING PIT EXCAVATION & STOCKPILED SOILS

CLOSURE REPORT
 SANTA FE #1
 SANTA FE PACIFIC GOLD CORPORATION
 SECTION 9 T19N., R6W., NMPM
 MCKINLEY COUNTY, NEW MEXICO

Envirotech Inc.
 NOVEMBER 1994 PROJECT: 94103



#5 VIEW TO EAST SHOWING RECLAIMED SITE



#6 VIEW TO SOUTHWEST SHOWING RECLAIMED SITE

CLOSURE REPORT
 SANTA FE #1
 SANTA FE PACIFIC GOLD CORPORATION
 SECTION 9 T19N., R6W., NMPM
 MCKINLEY COUNTY, NEW MEXICO

Envirotech Inc.
 NOVEMBER 1994 PROJECT: 94103

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Elm Street Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

3. Indicate Type of Lease
Navajo Nation STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Santa Fe Pacific Gold Corp

3. Address of Operator
P.O. Box 27019, Albuquerque, NM 87125 505-880-5389

4. Well Location
Unit Letter _____ Feet From The _____ Line and _____ Feet From The _____ Line

Section SW/4 SW/4 Sec9 Township 19N Range 6W NMPM McKinley County

10. Elevation (Show whether DP, KRB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

PIT CLOSURE - SEE ATTACHED DOCUMENTATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Paul Eby TITLE Director - Field Oper DATE 12/5/94

TYPE OR PRINT NAME PAUL EBY

TELEPHONE NO. 505-880-5389

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: