

AUG 16 1999

Approved
SANCHEZ GAS COM B #1
Meter/Line ID - 75220

RECEIVED
APR - 2 1999
OIL CON. DIV.
DIST. 3

~~Legals: Twn 29N Rng 10W~~

SITE DETAILS

Sec: 28

Unit: G

NMOCD Hazard Ranking: 40

Land Type: FEE

Operator: AMOCO PRODUCTION COMPANY

PREVIOUS ACTIVITIES

Site Assessment: Apr-94

Excavation: Apr-94 (40 cy)

Geoprobe: Oct-96

Soil Boring: Feb-97

Monitor Well: Feb-97

The pit was excavated to 10 feet beneath ground surface (bgs) and a composite soil sample was collected from the pit bottom and four walls. Approximately 220 cubic yards of impacted soil were removed during excavation. The headspace soil reading from the excavation bottom was 200 ppm. Soil analytical was as follows: benzene - <0.05 mg/kg, total BTEX 19.4 mg/kg, and TPH (418.1) <10 mg/kg.

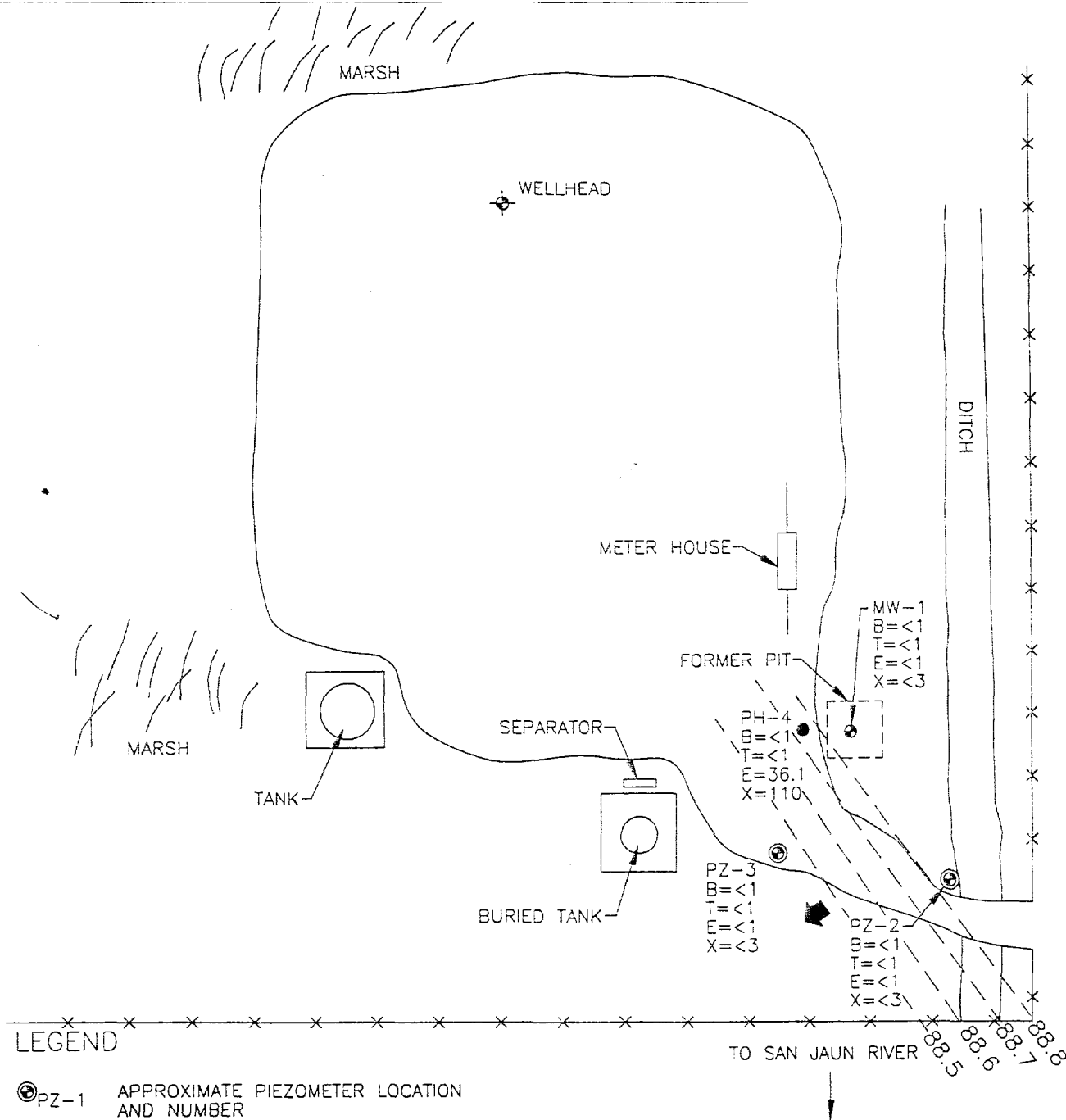
One soil boring was drilled in the center of the former pit and a monitoring well was installed. Groundwater was encountered at approximately 10 feet bgs. No soil samples were collected. Quarterly groundwater monitoring was initiated on 8/12/97 and continued through 5/5/98. Groundwater analytical data are presented in Table 1. Additional geoprobe sample points showed BTEX levels in groundwater to be below standards down gradient of the former production pit. Groundwater analytical data prior to 1998 has been previously submitted in the 1997 Annual Report.

CONCLUSIONS

The soil sample from the bottom of the pit was below NMOCD standards. Initial groundwater sampling indicated xylenes above standards. Subsequent sampling has shown all BTEX parameters to be below standards. Groundwater analysis from MW-1 has been non detect or below standards for 4 consecutive quarters, indicating minimal impact to groundwater at this site.

RECOMMENDATIONS

- EPFS request closure at this site.
- Following OCD approval for closure, MW-1 will be abandoned following OCD approved abandonment procedures.



TITLE:

SANCHEZ GAS COM B1
75220

DWN:

TMM

DES.:

CC

PROJECT NO.:

17520

EPFS GW PITS

CHKD:

CC

APPD:

DATE:

1/20/98

REV.:

0

FIGURE 1



GENERAL

Meter: 75220 Location: SANCHEZ GAS COM B #1
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter: 6 Section 28 Township: 29 Range: 10
Or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: _____ Line Drip: _____ Other: _____
Site Visit Date: 4-11-94 Run: 10 42

SITE ASSESSMENT

NMOCD Zone: Inside Land Type: BLM ☐
(From NMOCD Vulnerable State ☐
Maps) Zone ☒ Fee ☒
Outside ☐ Indian _____

Depth to Groundwater

Less Than 50 Feet (20 points) ☒
50 Ft 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? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☒
200 Ft to 1000 Ft (10 points) ☐
Greater Than 1000 Ft (0 points) ☐

Name of Surface Water Body SAN JUAN RIVER

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

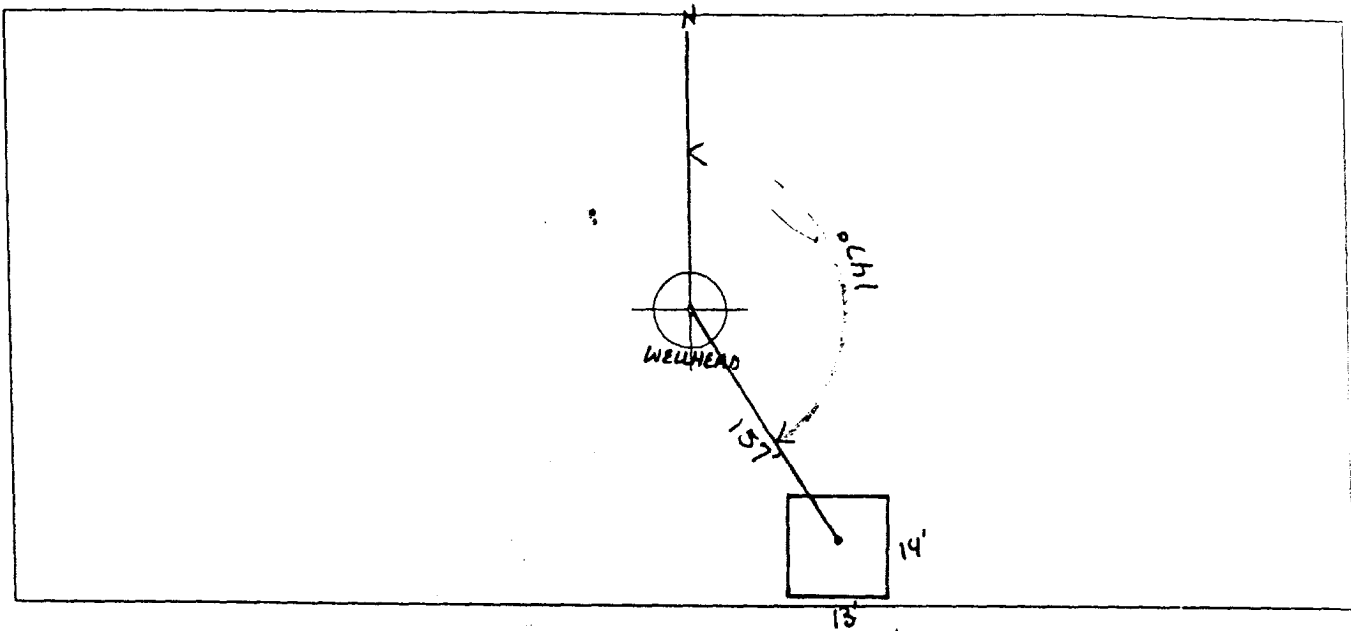
TOTAL HAZARD RANKING SCORE: 40 POINTS

REMARKS

Remarks : THREE PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS NEXT TO SAN JUAN RIVER.

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 142° Footage to Wellhead 152'
 b) Degrees from North _____ Footage to Dogleg _____
 Dogleg Name _____
 c) Length : 14' Width : 13' Depth : 2'



Remarks :

STARTED TAKING PICTURES AT
END DUMP

Completed By:

Robert Thompson
 Signature

4-11-94
 Date

GENERAL

Meter: 25220 Location: Sanchez Gas Com B#1
Coordinates: Letter: G Section 28 Township: 29 Range: 10
Or Latitude _____ Longitude _____
Date Started : 4-29-94 Area: 10 Run: 42

FIELD OBSERVATIONS

Sample Number(s): AP7 _____
Sample Depth: 10 Feet
Final PID Reading 200 ppm PID Reading Depth 10 Feet
Yes No
Groundwater Encountered ☒ (1) ☐ (2) Approximate Depth 10 Feet

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 40
Onsite Bioremediation ☐ (2)
Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra
Other Facility ☐ (2) Name: _____

Pit Closure Date: 4-29-94 Pit Closed By: BEI

REMARKS

Remarks : STARTED Remediating pit to 10' which is ground
water level. Alton James took water sample & soil sample. Took 5 point
VC sample PID read 200 ppm at 75". OGD said we could close
pit the persons name was Bill Olson

Signature of Specialist: James J. Pearson



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

SAMPLE NUMBER:

Field ID

Lab ID

MTR CODE | SITE NAME:

SAMPLE DATE | TIME (Hrs):

SAMPLED BY:

DATE OF TPH EXT. | ANAL.:

DATE OF BTEX EXT. | ANAL.:

TYPE | DESCRIPTION:

N/A

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	10.05	MG/KG				
TOLUENE	1.1	MG/KG				
ETHYL BENZENE	1.2	MG/KG				
TOTAL XYLENES	17	MG/KG				
NETAL BTEX	19.4	MG/KG				
NETAL BTEX	444 ^{<10}	^{5/9/94} MSB MG/KG			2.05	28
HEADSPACE PID	200	PPM				
PERCENT SOLIDS	82.7	%				

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

The Surrogate Recovery was at 65 % for this sample All QA/QC was acceptable.

Narrative:

ATI results attached.

DF = Dilution Factor Used

Approved By:

John Santoli

Date:

5/21/94



ATI I.D. 405313

May 13, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 05/03/94, 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.

EPA Method 8015 analysis was added on 05/05/94 for sample 945008 per Stacy Sendler.

The matrix spike/spike duplicate data from the samples extracted on 05/05/94 is reported twice reflecting quantification using both the internal standard and external standard protocols. Both protocols were employed to quantify the samples submitted for this project.

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:jd

Enclosure



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX, MTBE (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405313
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
31	945044	NON-AQ	04/29/94	05/05/94	05/06/94	2
32	945045	NON-AQ	04/29/94	05/05/94	05/06/94	10
33	945046	NON-AQ	04/29/94	05/05/94	05/08/94	20
PARAMETER			UNITS	31	32	33
BENZENE			MG/KG	<0.05	1.4	<0.50
TOLUENE			MG/KG	1.1	<0.25	<0.50
METHYLBENZENE			MG/KG	1.2	7.9	2.2
TOTAL XYLENES			MG/KG	17	72	27
METHYL-t-BUTYL ETHER			MG/KG	<0.24	<1.2	<2.4
SURROGATE:						
BROMOFLUOROBENZENE (%)				65	93	52*

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PIEZOMETER INSTALLATION RECORD

Philip Environmental Services, Inc.

4000 Monroe Rd.

Farmington, NM 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # PZ - 1

Well # _____

Page 1 of 1

Project Name EPFS PITS

Project Number 16297 Phase 6004

Site Location Sanchez GC Bl 75220

Elevation _____

Well Location Center of Pit

GWL Depth 8.55 BGS

Installed By K PADILLA

On-Site Geologist CM CHANCE

Personnel On-Site D CHARLEY

Contractors On-Site _____

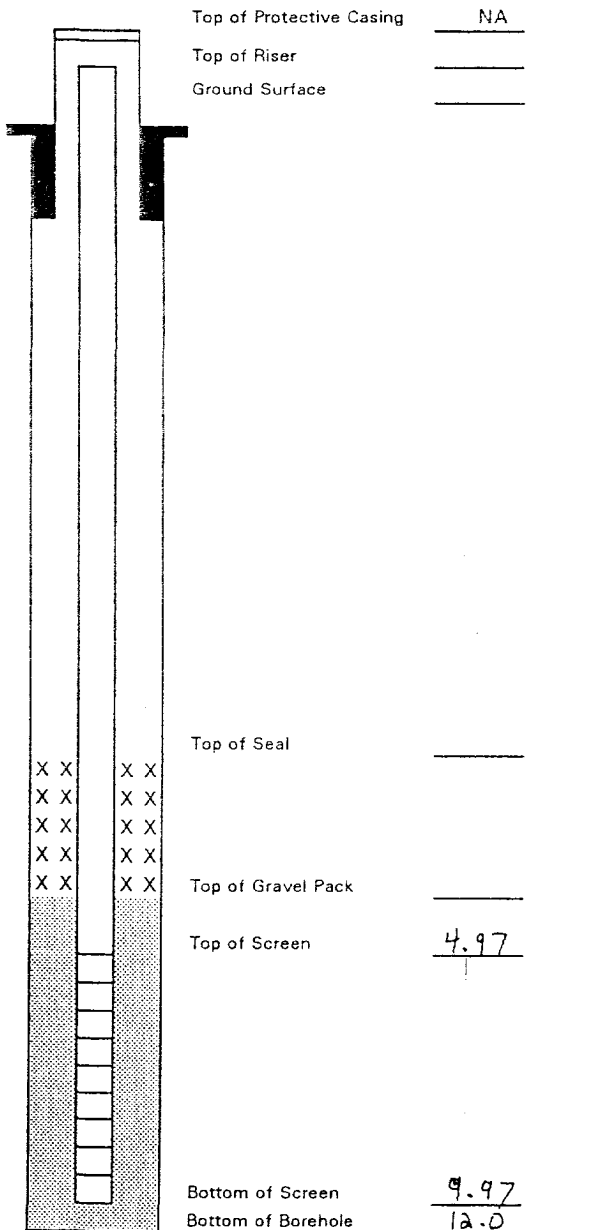
Client Personnel On-Site _____

Date/Time Started 10/24/96

Date/Time Completed 10/29/96

Depths in Reference to Ground Surface

Item	Material	Depth (feet)
Top of Protective Casing		
Bottom of Protective Casing		
Top of Permanent Borehole Casing		N/A
Bottom of Permanent Borehole Casing		N/A
Top of Concrete		
Bottom of Concrete		
Top of Grout		
Bottom of Grout		
Top of Well Riser		
Bottom of Well Riser		
Top of Well Screen		
Bottom of Well Screen		
Top of Peltonite Seal		
Bottom of Peltonite Seal		
Top of Gravel Pack		
Bottom of Gravel Pack		
Top of Natural Cave-In		
Bottom of Natural Cave-In		
Top of Groundwater		
Total Depth of Borehole		



Comments: _____

IWINSTAL.wk1

Geologist Signature _____

PIEZOMETER INSTALLATION RECORD

Philip Environmental Services, Inc.

4000 Monroe Rd.

Farmington, NM 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # PZ-2

Well # _____

Page 1 of 1

Project Name EPFS PITS

Project Number 16297 Phase 6004

Site Location Sanchez GC Bl 75220

Elevation _____

Well Location Center of Pits SE of P21

GWL Depth 8.29 BGS

Installed By K PADILLA

On-Site Geologist CM CHANCE

Personnel On-Site D CHARLEY

Contractors On-Site _____

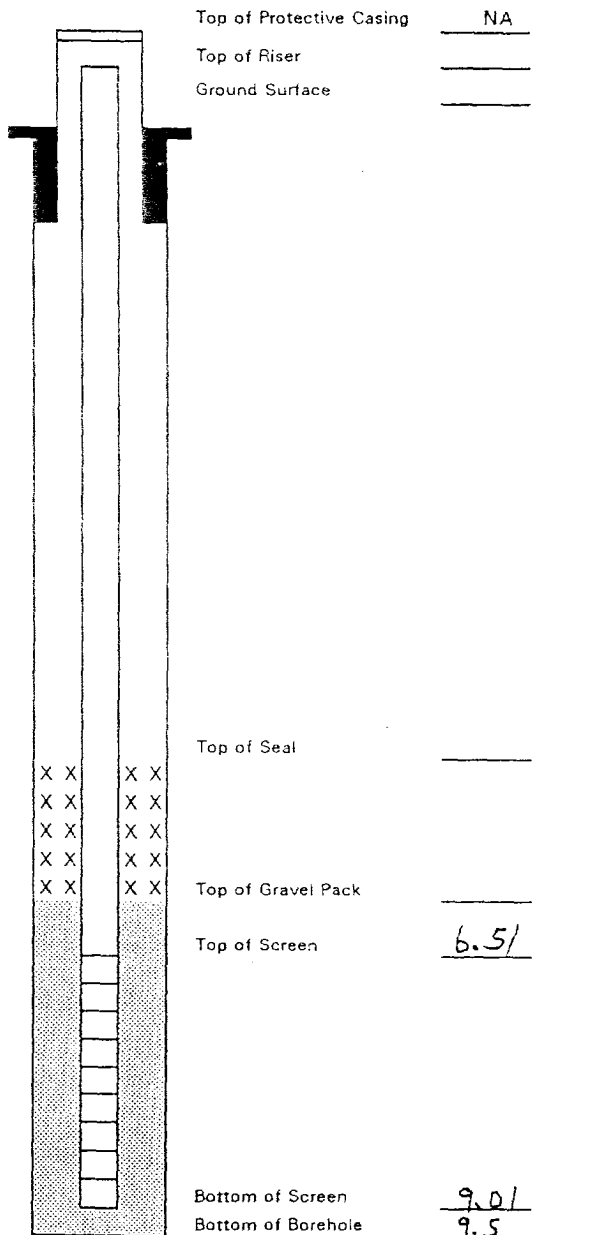
Client Personnel On-Site _____

Date/Time Started 10/29/96

Date/Time Completed 10/29/96

Depths in Reference to Ground Surface

Item	Material	Depth (feet)
Top of Protective Casing		
Bottom of Protective Casing		
Top of Permanent Borehole Casing		N/A
Bottom of Permanent Borehole Casing		N/A
Top of Concrete		
Bottom of Concrete		
Top of Grout		
Bottom of Grout		
Top of Well Riser		
Bottom of Well Riser		
Top of Well Screen		
Bottom of Well Screen		
Top of Peltonite Seal		
Bottom of Peltonite Seal		
Top of Gravel Pack		
Bottom of Gravel Pack		
Top of Natural Cave-In		
Bottom of Natural Cave-In		
Top of Groundwater		
Total Depth of Borehole		



Comments: _____

WELPZOMETER INSTALLATION RECORD

Philip Environmental Services, Inc.

1000 Monroe Rd.

Albuquerque, NM 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # PZ-3

Well # _____

Page 1 of 1

Project Name EPFS PITS

Project Number 16297 Phase 6004

Site Location Sanchez Gas Com Bl 75220

On-Site Geologist CM CHANCE

Personnel On-Site D CHARLEY

Contractors On-Site _____

Client Personnel On-Site _____

Elevation _____

Well Location SW of PZ1

SWL Depth 8.45 BGS

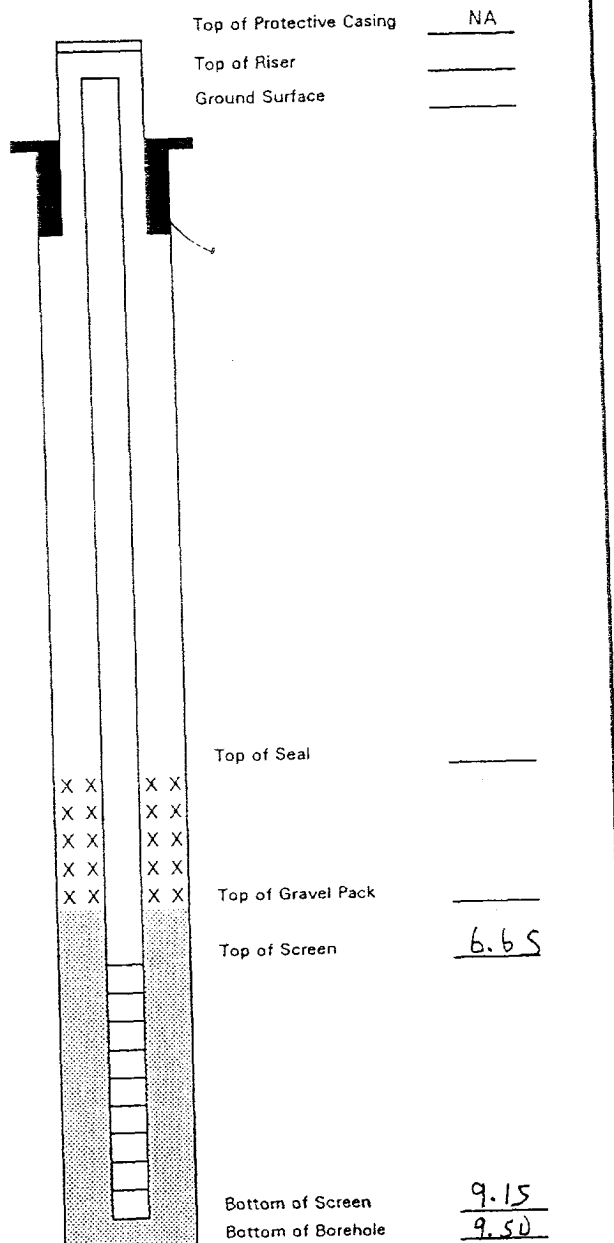
Installed By K PADILLA

Date/Time Started _____

Date/Time Completed _____

Depths in Reference to Ground Surface

Item	Material	Depth (feet)
Top of Protective Casing		
Bottom of Protective Casing		
Top of Permanent Borehole Casing		N/A
Bottom of Permanent Borehole Casing		N/A
Top of Concrete		
Bottom of Concrete		
Top of Grout		
Bottom of Grout		
Top of Well Riser		
Bottom of Well Riser		
Top of Well Screen		
Bottom of Well Screen		
Top of Peltonite Seal		
Bottom of Peltonite Seal		
Top of Gravel Pack		
Bottom of Gravel Pack		
Top of Natural Cave-In		
Bottom of Natural Cave-In		
Top of Groundwater		
Total Depth of Borehole		



Comments: _____

Geologist Signature _____

Project No.	Project Name	Date:		Sample Number		Type and No. of Sample Containers	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)	Remarks:	Date Result
Samplers: (Signature)	Time	Date	Comp.	GRAB								
16297	EPFS #175	10/29/96			CMC 237	2						
CMC 238	1115	10/29/96			CMC 238	2						
CMC 239	1221	10/29/96			CMC 239	2						
CMC 240	1230	10/29/96			CMC 240	2						
TRIP BLANK	-	10/29/96			TRIP BLANK	1						



EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY

ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC237	947968
MTR CODE SITE NAME:	75220	Sanchez Gas Com B 1
SAMPLE DATE TIME (Hrs):	10/29/96	925
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	10/31/96	10/31/96
TYPE DESCRIPTION:	PZ1	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	32.5	PPB	10	D		
TOLUENE	<1	PPB	10	D		
ETHYL BENZENE	33.0	PPB	10	D		
TOTAL XYLENES	4039	PPB	10	D		
TOTAL BTEX	4105	PPB				

—BTEX is by EPA Method 8020—

The Surrogate Recovery was at 109 % for this sample All QA/QC was acceptable.

The "D" qualifier indicates that the analyte is calculated based on a secondary dilution factor.

Narrative:

DF = Dilution Factor Used

Approved By: John Faller

Date: 11/5/96



EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY

ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC238	947969
MTR CODE SITE NAME:	75220	Sanchez Gas Com B 1
SAMPLE DATE TIME (Hrs):	10/29/96	1115
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	10/31/96	10/31/96
TYPE DESCRIPTION:	PZ2	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	< 1	PPB				
TOTAL XYLENES	< 3	PPB				
TOTAL BTEX	< 6	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 108 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John F. Fitch

Date: 11/5/96



EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY

ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:

Field ID

CMC239

Lab ID

947970

MTR CODE | SITE NAME:

75220

Sanchez Gas Com B 1

SAMPLE DATE | TIME (Hrs):

10/29/96

1221

PROJECT:

GEOPROBE

DATE OF BTEX EXT. | ANAL.:

10/31/96

10/31/96

TYPE | DESCRIPTION:

PZ3

Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

—BTEX is by EPA Method 8020—

The Surrogate Recovery was at 106 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

11/5/96



EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY

ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC240	947971
MTR CODE SITE NAME:	75220	Sanchez Gas Com B 1
SAMPLE DATE TIME (Hrs):	10/29/96	1230
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	10/31/96	10/31/96
TYPE DESCRIPTION:	PH4	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	36.1	PPB				
TOTAL XYLENES	110	PPB				
TOTAL BTEX	146	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 108 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John Ladd

Date: 11/5/96

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL SERVICES INC.

1000 Monroe Road

Albuquerque, New Mexico 87401

505-326-2262 FAX (505) 326-2388

Borehole # BH- 2
Well # 1
Page 1 of 1

Project Name EPFS GW PITS
Project Number 17520 Phase 6001.77
Project Location SANCHEZ GC B#1 - 75220

Elevation _____
Borehole Location T29-R10-S28-Ltr G
GWL Depth 7' AGS
Logged By D CESARK
Drilled By M DONOHUE
Date/Time Started 2/27/97 - 1230
Date/Time Completed " - 1300

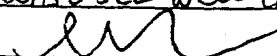
Well Logged By D CESARK
Personnel On-Site D CHARLEY
Contractors On-Site _____
Client Personnel On-Site _____

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

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	S	
0				BACKFILL						
5				TO						
10				10' GWC 7' (FROM PZ 1) - COBBLES C 9.5'						
15				ANGER REFUSAL IN COBBLES C 14'						
20				TD = 14'						
25										
30										
35										
40										

Comments: DEPTH TO GW 7' AGS AS MEASURED C PZ 1. PZ 1 WAS REMOVED & REPLACED WITH H
MW-1. TD=14' C ANGER REFUSAL IN COBBLES/ GRAVELS. SINCE GW WAS LOCATE
IN FILL, NO SAMPLES WERE COLLECTED SET WELL- PLEASE SEE WELL CAMP. DIAGR

Geologist Signature



MONITORING WELL INSTALLATION RECORD

Philip Environmental Services, Inc.

1000 Monroe Rd.

Farmington, NM 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # 2

Well # 1

Page 1 of 1

Project Name

EPFS GW PITS

Project Number

17520

Phase 0002.77

Site Location

SANCHEZ GC B #1 - 17520

Elevation

Well Location T29N-R10W-S28-L6'

GWL Depth 7' BGS

Installed By M DONOHUE

On-Site Geologist

D CEZARK

Personnel On-Site

D CHARLEY

Contractors On-Site

Client Personnel On-Site

Date/Time Started

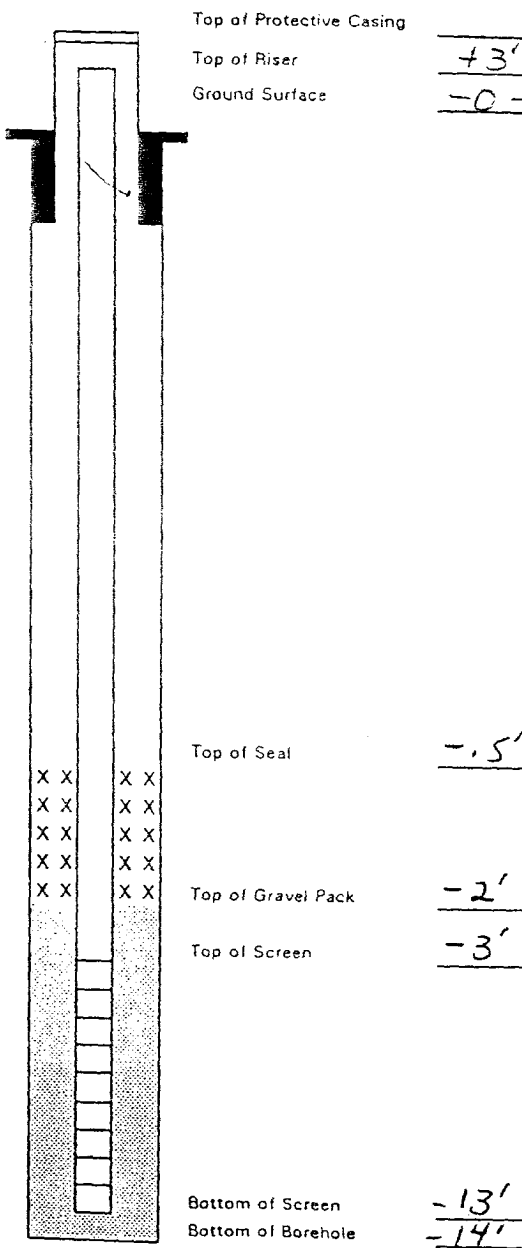
2/27/97 - 1300

Date/Time Completed

" - 1415

Depths in Reference to Ground Surface

Item	Material	Depth (feet)
Top of Protective Casing		
Bottom of Protective Casing		
Top of Permanent Borehole Casing		N/A
Bottom of Permanent Borehole Casing		N/A
Top of Concrete		
Bottom of Concrete		
Top of Grout		
Bottom of Grout		
Top of Well Riser	SCH 40 PVC	+3'
Bottom of Well Riser	"	-3'
Top of Well Screen	1010 SLOT	-3'
Bottom of Well Screen	"	-13'
Top of Peltonite Seal	ENVIROPLUG	-1.5'
Bottom of Peltonite Seal	"	-2'
Top of Gravel Pack	10-20 SAND	-2'
Bottom of Gravel Pack	"	-13'
Top of Natural Cave-In		-13'
Bottom of Natural Cave-In		-14'
Top of Groundwater		-7'
Total Depth of Borehole		-14'



Comments: _____

Geologist Signature

[Signature]

Sample #	Meter/ Line #	Site Name	Sample Date	Project	S1	Benzene (PPB)	S2	Toluene (PPB)	S3	Ethyl Benzene (PPB)	S4	Total Xylenes (PPB)	S7	Total BTEX PPB
970207 *	75220	Sanchez GC B #1	3/11/97	Phase II Drilling - Initial	=	1.5	<	1	=	98.6	=	817	=	918
970853 *	75220	Sanchez GC B #1	8/12/97	Sample 4 - 1st Qtr	=	1.09	=	4.34	=	2.11	=	5.6	=	13
971190 *	75220	Sanchez GC B #1	11/6/97	Sample 4 - 2nd Qtr	<	1	<	1	<	1	<	3	<	6
980142	75220	Sanchez GC B #1	2/5/98	Sample 4 - 3rd Qtr	<	1	<	1	<	1	<	3	<	6
980345	75220	Sanchez GC B #1	5/5/98	Sample 4 - 4th Qtr	<	1	=	1.77	<	1	<	3	=	2

* Analytical reports provided to NMOCD in prior annual report.

Well Development and Purging Data

Site Name SANCHER GC B #1

☐ Development
☒ Purging

Well Number MW-1
Meter Code 75220

Development Criteria

- ☒ 3 to 5 Casing Volumes of Water Removal
☐ Stabilization of Indicator Parameters
☐ Other _____

Methods of Development

- Pump
☐ Centrifugal ☒ Bottom Valve
☐ Submersible ☐ Double Check Valve
☐ Peristaltic ☐ Stainless-steel Kemmerer
☐ Other _____

Water Volume Calculation

Initial Depth of Well (feet) 1597
Initial Depth to Water (feet) 964
Height of Water Column in Well (feet) 633

Diameter (inches): Well 4 Gravel Pack _____

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		<u>4.3</u>	<u>12.6</u>
Gravel Pack			
Drilling Fluids			
Total			

Instruments

- ☒ pH Meter
☐ DO Monitor
☒ Conductivity Meter
☒ Temperature Meter
☒ Other D.O. CHEMETS KIT

Water Disposal

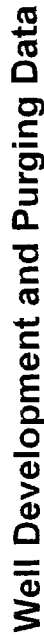
KUT2 SEPARATOR

Water Removal Data

Date	Time	Development Method		Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gal)		Product Volume Removed (gallons)		Temperature °C	pH	Conductivity µmho/cm	Dissolved Oxygen mg/L	Comments
		Pump	Bailer				Increment	Cumulative	Increment	Cumulative					
<u>2-5-98</u>	<u>1050</u>										<u>10.9</u>	<u>6.36</u>	<u>2310</u>		
<u>2-5-98</u>	<u>1055</u>						<u>5.0</u>	<u>5.0</u>			<u>11.1</u>	<u>6.55</u>	<u>2310</u>		
<u>2-5-98</u>	<u>1104</u>						<u>5.0</u>	<u>10.0</u>			<u>11.3</u>	<u>6.64</u>	<u>2210</u>		
<u>2-5-98</u>	<u>1115</u>						<u>5.0</u>	<u>15.0</u>			<u>11.9</u>	<u>6.86</u>	<u>2050</u>	<u>1.5</u>	

Comments _____

Developer's Signature Dennis Bird Date 2-5-98 Reviewer John Tardie Date 2/17/98



Well Number MW-1
Meter Code 75220

☒	3 to 5 Casing Volumes of Water Removal
☐	Stabilization of Indicator Parameters
☐	Other

☐	Pump	☒	Bailer
☐	Centrifugal	☒	Bottom Valve
☐	Submersible	☐	Double Check Valve
☐	Peristaltic	☐	Stainless-steel Kemmerer
☐	Other		

Initial Depth of Well (feet) 15.97
Initial Depth to Water (feet) 9.44
Height of Water Column in Well (feet) 6.53

☒	pH Meter
☐	DO Monitor
☒	Conductivity Meter
☒	Temperature Meter
☒	Other <u>D.O. C</u>

KOTZ SEPARATOR

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		4.3	12.9
Gravel Pack			
Drilling Fluids			
Total			

[illegible]

Developer's Signature
Dennis Bird

Date 5-3-78 Reviewer _____

Date _____

8/11/98



EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	980142
MTR CODE SITE NAME:	75220	Sanchez GC B#1
SAMPLE DATE TIME (Hrs):	2/5/98	1126
PROJECT:	Sample 4 3rd Quarter	
DATE OF BTEX EXT. ANAL.:	2/6/98	2/6/98
TYPE DESCRIPTION:	MW-1	Water

Field Remarks: Surrogate recovery is low due to malfunction of surrogate injection syringe.

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 43.8 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Surrogate low due to injection malfunction.

Approved By: Joan Sanchez

Date: 2/17/98

980142BTEXMW,2/10/98



EL 150
Natural Gas Company

A 2191

✓ 1098
2.1098

CHAIN OF CUSTODY RECORD

Project No.		Project Name		Requested Analysis		Remarks					
Samplers: (Signature)		Date: 2-5-98		Type and No. of Sample Containers		Preservation Technique					
Date	Time	Comp.	GRAB	Sample Number							
WATER 2-5-98	1135		X	980142		51 4°C	X				
WATER 2-5-98	—		X	—		51 4°C	X				
SANCHEZ GC B* / MW-1 TRIP BLANK								BTTE			
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time					
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time					
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time					
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time					
Carrier Co:		Carrier Phone No.		Date Results Reported / by: (Signature)		Remarks:					



EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	980345
MTR CODE SITE NAME:	75220	Sanchez GC B #1
SAMPLE DATE TIME (Hrs):	5/5/98	1121
PROJECT:	Sample 4 4th Quarter	
DATE OF BTEX EXT. ANAL.:	5/7/98	5/7/98
TYPE DESCRIPTION:	MW-1	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	1.77	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	2	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 94.4 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Approved By:

John Sanchez

Date:

5/11/98

980345BTEXMW,5/8/98



Natural Gas Company

A 2656

5-18-98
5-18-98
5-18-98

SAMPLE 4 4TH QTR

CHAIN OF CUSTODY RECORD

Project No.		Project Name		Date		Sample Number		Type and No. of Sample Containers		Requested Analysis		Remarks	
SAMPLERS: (Signature)		Date: 5-5-98											
DATE		TIME		COMP.		GRAB							
WATER 5-5-98		11:21				X		5-1		40C X		SANCHEZ GC B#1 MW-1	
WATER 5-5-98		---				X		5-1		40C X		TRIP BLANK	
STYL													
RELINQUISHED BY: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
RELINQUISHED BY: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
RELINQUISHED BY: (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time		Remarks:					
Carrier Co:		Carrier Phone No.		Date Results Reported / by: (Signature)									
Air Bill No.:													