



Amoco Production Company

Houston Region
501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

James F. Trickett
Regional Environmental, Safety &
Regulatory Affairs Manager

March 5, 1990

Mr. David Bienick,
Padre Island Sea Shore
Resource Management Division
9405 S. Padre Island Drive
Corpus Christi, TX 78418-5597

JFT-2297-988.UIC00

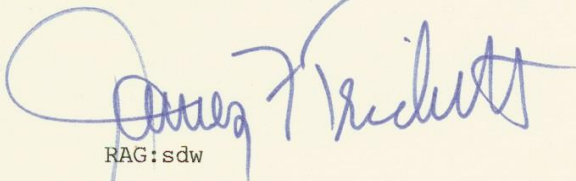
Dear Mr. Bienick:

Please find included, the analysis and location map of the groundwater samples taken from the area of the permitted emergency pit at our South Sprint Gas Unit Production Facility, as you requested in your telephone conversation with Tony Goff of my staff. Samples numbered 1 through 4 were taken at approximately eight feet deep. Access to the water at this depth was made possible by the use of a backhoe. The analysis report for these samples shows there has been no contamination of the groundwater in the pit area.

The number 5 sample is a produced water sample taken from the production facility. This is done periodically to update our production records and was included with the groundwater samples for economic and time conserving reasons. All of these samples were taken on January 26, 1990.

If any other questions or problems arise concerning this facility or our operations, please contact Tony Goff at (713) 556-3602 or Billy Marcom at (512) 358-4731. Thanks for your cooperation in this matter.

Very truly yours,



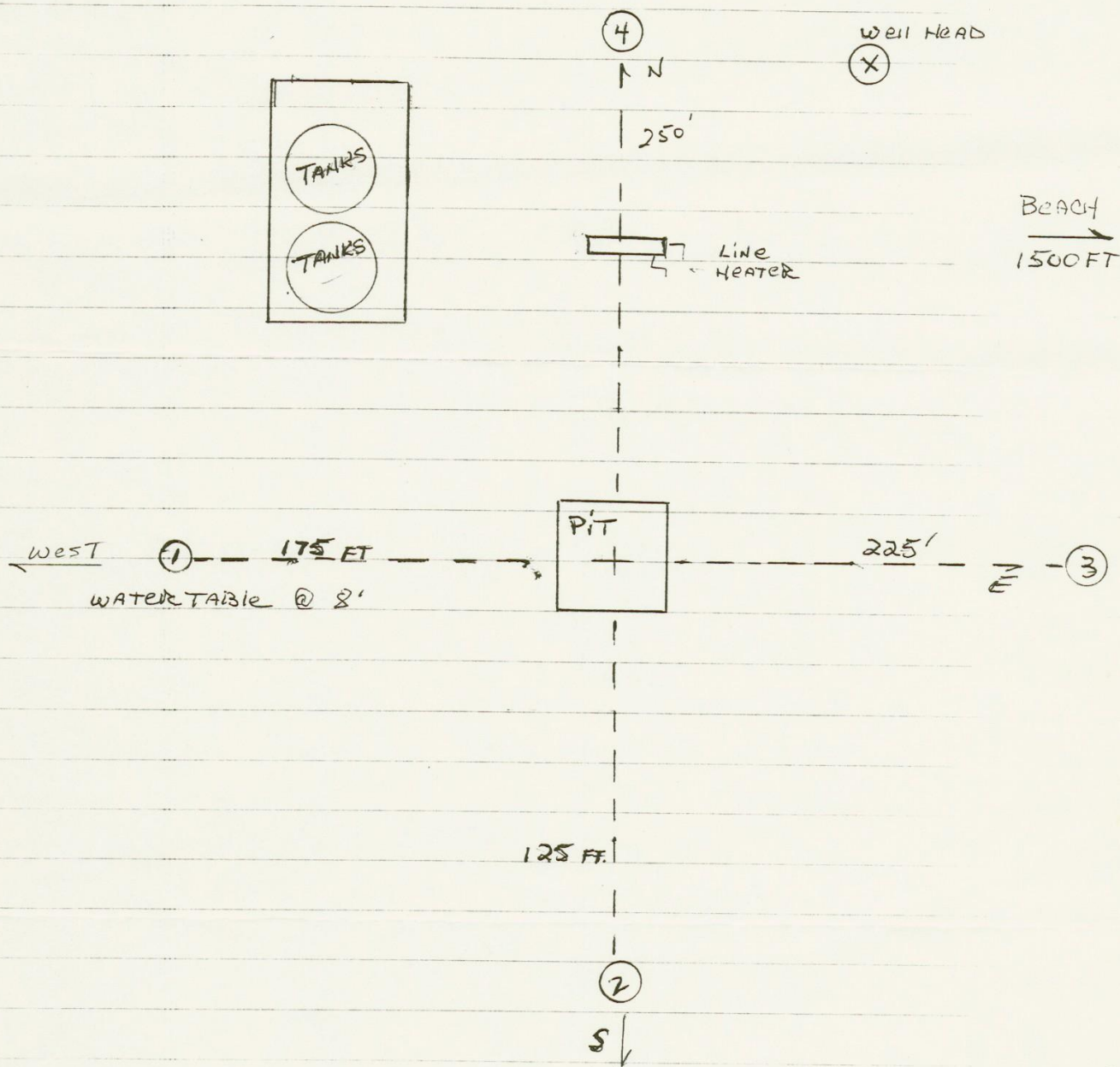
RAG:sdw

Enclosure

A:222RAG.DOC

SOUTH SPRINT GAS FACILITY

COMP.



LOCATION MAP
OF GROUND WATER
SAMPLES #1 THRU #4
TAKEN JAN. 26, 1990

A N A L Y T I C A L R E P O R T

900223

FOR

AMOCO PRODUCTION COMPANY

R.A. GOFF

P.O. BOX 3092

HOUSTON, TX 77253

02/08/90



CORE LABORATORIES

LABORATORY TESTS RESULTS 02/08/90

JOB NUMBER: 900223 CUSTOMER: AMOCO PRODUCTION COMPANY ATTN: R.A. GOFF

SAMPLE NUMBER: 1 DATE RECEIVED: 01/26/90 TIME RECEIVED: 13:30 SAMPLE DATE: 01/26/90 SAMPLE TIME: 11:00
PROJECT: S.SPRINT G.U. COLLECTING AREA SAMPLE: LOT #1 REM: SAMPLED BY T.G.

SAMPLE NUMBER: 2 DATE RECEIVED: 01/26/90 TIME RECEIVED: 13:30 SAMPLE DATE: 01/26/90 SAMPLE TIME: 11:00
PROJECT: S.SPRINT G.U. COLLECTING AREA SAMPLE: LOT #2 REM: SAMPLED BY T.G.

SAMPLE NUMBER: 3 DATE RECEIVED: 01/26/90 TIME RECEIVED: 13:30 SAMPLE DATE: 01/26/90 SAMPLE TIME: 11:00
PROJECT: S.SPRINT G.U. COLLECTING AREA SAMPLE: LOT #3 REM: SAMPLED BY T.G.

SAMPLE NUMBER: 4 DATE RECEIVED: 01/26/90 TIME RECEIVED: 13:30 SAMPLE DATE: 01/26/90 SAMPLE TIME: 11:00
PROJECT: S.SPRINT G.U. COLLECTING AREA SAMPLE: LOT #4 REM: SAMPLED BY T.G.

SAMPLE NUMBER: 5 DATE RECEIVED: 01/26/90 TIME RECEIVED: 13:30 SAMPLE DATE: 01/26/90 SAMPLE TIME: 11:00
PROJECT: S.SPRINT G.U. COLLECTING AREA SAMPLE: LOT #5 REM: SAMPLED BY T.G.

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	UNITS OF MEASURE
Benzene	<1	<1	<1	<1	5320	ug/l
Ethylbenzene	<1	<1	<1	<1	258	ug/l
Toluene	<1	<1	<1	<1	6150	ug/l
Xylenes	<1	<1	<1	<1	4900	ug/l
Total Petroleum Hydrocarbons	<1	1	1	<1	34	mg/l
Chloride (Cl), total	96.8	163	212	30.8	89.6	mg/l

APPROVED BY: *Chip M...*

1733 North Padre Island Dr.
Corpus Christi, TX 78408
(512) 289-2673

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QUALITY ASSURANCE REPORT
02/08/90

JOB NUMBER: 900223 CUSTOMER: AMOCO PRODUCTION COMPANY ATTN: R.A. GOFF

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (A-B)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY

PARAMETER:Xylenes
DETECTION LIMIT:0.2 UNITS:ug/l
DATE/TIME ANALYZED:01/31/90 13:26
METHOD REFERENCE :SW-846 8020
QC BATCH NUMBER:900805
TECHNICIAN:GEF

BLANK	Reagent	D.Water	<0.2							
STANDARD	Reference	Fisher	30			30	100			
SPIKE	Analytical	900223-1	88							
DUPLICATE	Analytical	900223-1	<0.2	<0.2	NC			0	75	117.33

PARAMETER:Chloride (Cl), total
DETECTION LIMIT:0.5 UNITS:mg/l
DATE/TIME ANALYZED:02/08/90 15:20
METHOD REFERENCE :EPA-600 300.0
QC BATCH NUMBER:901035
TECHNICIAN:JEM

BLANK	reagent	DI H2O	<0.5							
STANDARD	check	bk 2 pg 86	21.1			20	105.5			
STANDARD	check	bk 2 pg 86	10			10	100			
STANDARD	check	bk 2 pg 86	5.8			5	116			
STANDARD	reference	bk 2 pg 86	11.5			10	115			
SPIKE	analytical	900223-3	379					212	200	83.5
DUPLICATE	analytical	900223-3	212	221	4.16					

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Standard Methods for the Examination of Water and Wastewater, 16th Ed. APHA,AWWA,WPCF.
USEPA SW-846 3rd. Edition, Test Methods for the Evaluation of Solid Waste
EPA-600/4-79-020, Methods for the Analysis of Water and Wastes, March 1983
Federal Register, Friday, October 26, 1984 (40 CFR Part 136).
EPA-600 2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.

Quality Control Acceptance Criteria:

Blanks.....: Analyzed Value < The Detection Limit
Reference Standards: 100 plus or minus 10%
Duplicates.....: 20% RPD, or plus or minus the detection limit
Spikes.....: 100 plus or minus 25%

NC = Not Calculated due to value at or below detection limit.

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QUALITY ASSURANCE REPORT
02/08/90

JOB NUMBER: 900223 CUSTOMER: AMOCO PRODUCTION COMPANY ATTN: R.A. GOFF

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (A-B)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY

PARAMETER: Total Petroleum Hydrocarbons DATE/TIME ANALYZED: 01/29/90 16:30 QC BATCH NUMBER: 900757
DETECTION LIMIT: 1 UNITS: mg/l METHOD REFERENCE : EPA 418.1 TECHNICIAN: JRD

BLANK	Calib.	Freon	<1							
STANDARD	Calib.	1659.2 ppm	16.9			16.6	101.81			
STANDARD	Calib.	1659.2 ppm	33.5			33.2	100.9			
STANDARD	Calib.	1659.2 ppm	65.5			66.4	98.64			
STANDARD	Calib.	1659.2 ppm	133			132.7	100.23			

PARAMETER: Benzene DATE/TIME ANALYZED: 01/31/90 13:20 QC BATCH NUMBER: 900802
DETECTION LIMIT: 0.2 UNITS: ug/l METHOD REFERENCE : SW-846 8020 TECHNICIAN: GEF

BLANK	Reagent	D. Water	<0.2							
STANDARD	Reference	Fisher	10			10	100			
SPIKE	Analytical	900223-1	29							
DUPLICATE	Analytical	900223-1	<0.2	<0.2	NC			0	25	116

PARAMETER: Toluene DATE/TIME ANALYZED: 01/31/90 13:23 QC BATCH NUMBER: 900803
DETECTION LIMIT: 0.2 UNITS: ug/l METHOD REFERENCE : SW-846 8020 TECHNICIAN: GEF

BLANK	Reagent	D. Water	<0.2							
STANDARD	Reference	Fisher	10			10	100			
SPIKE	Analytical	900223-1	25							
DUPLICATE	Analytical	900223-1	<0.2	<0.2	NC			0	25	100

PARAMETER: Ethylbenzene DATE/TIME ANALYZED: 01/31/90 13:24 QC BATCH NUMBER: 900804
DETECTION LIMIT: 0.2 UNITS: ug/l METHOD REFERENCE : SW-846 8020 TECHNICIAN: GEF

BLANK	Reagent	D. Water	<0.2							
STANDARD	Reference	Fisher	10			10	100			
SPIKE	Analytical	900223-1	27.5							
DUPLICATE	Analytical	900223-1	<0.2	<0.2	NC			0	25	110

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