SECOR

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916-861-0430 FAX

June 30, 2006

Ms. Colleen Hunt
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard Suite A
Santa Rosa, California 95403

RE: **CRWQCB-NCR Letter Dated June 15, 2006**
SECOR Project No.: 77CP.00927.02.0377

Service Station	**Location**
Unocal Bulk Plant No. 0220	720 North Franklin Street Fort Bragg, California

Dear Ms. Stone,

SECOR staff received the Regional Water Board *Site Status* letter dated June 15, 2006. In reference to the request to fulfill the MRP requirement of submitting all system maintenance records for 2005 for Unocal Bulk Plant #0220, we have provided the following:

- SHN Consultant's Remediation System Records for the Ozone Sparge System for February through June, 2005.
- SECOR's Remediation System Records for the Ozone Sparge System for July through December, 2005.

Sincerely,
SECOR International Incorporated

Sean Coyle
Project Manager

cc: Mr. Thomas Kosel, ConocoPhillips
Mr. David Smith, Mendocino Coast Petroleum, Inc. 720 N Franklin St. Fort Bragg, CA 95437
Mendocino County Health Department, 501 Low Gap Road, Room 1326, Ukiah, CA 95482

CONSULTING ENGINEERS & GEOLOGISTS, INC.
812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 •shninfo@shn-engr.com

FAX COVER SHEET

Reference: 098185.206
Date: 6/27/06
To: Ben McKenna

Fax #: **916-861-0430**
From: Roland Rueber
SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
Fax #: **707/441-8877**
Subject: Field Data
No. Pages Total: 23

Attached are the field notes from COP 0927 in Fort Bragg from Feb 05 through June 05. No O&M was performed in January 05. If you need anything else, let me know.

Thanks

Roland M. Rueber, R.G.
Project Geologist
SHN Consulting Engineers & Geologists Inc.
812 W. Wabash
Eureka, CA 95501
ph. 707-441-8855
Fax 707-441-8877
rrueber@shn-engr.com

The contents of this document may be sensitive. If you have received this fax by mistake, if you have any questions, or if you did not receive all pages of the fax, please telephone 707/441-8855.

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DAILY RECORD

Page 1 of 1

PROJECT NAME CONOCO PHILLIPS	CLIENT/OWNER [redacted]	DAILY RECORD SEQUENCE NO	
GENERAL LOCATION OF WORK FORT BRAGG	OWNER/CLIENT REPRESENTATIVE	DATE 2-17-05	DAY OF WEEK THURSDAY
GENERAL CONTRACTOR		PROJECT ENGINEER M. FOBET	
TYPE OF WORK O&M, MW 1, 4, & 8		SUPERVISOR R. RUEBER	
(AM) PM	WEATHER PARTLY CLOUDY/COOL	TECHNICIAN BURLESON / TIBBITS	
JOB # 098185.205	KEY PERSONS CONTACTED (Civil Engr, Architect, Developer, etc) C. FISHER		

TIME COMMENTS:

1040 - ON SITE
1050 Taking readings on system
1227 Taking water levels and Total depth's on well's and DO reading's.
1335 Purging MW-4 with a disposable bailer All purge water was caught in 5 gal. buckets
1410 Sampled MW-4 with its bailer - Lock up well MW-4
1425 PURGING MW-8 WITH A DISPOSABLE BAILER - ALL PURGE WATER CAUGHT IN 5 GAL. BUCKETS. MW-8
1454 SAMPLED MW-8 W/ITS BAILER. LOCK UP WELL
1510 PURGING MW-1 W/DISP. BAILER, ALL PURGE WATER CAUGHT IN 5 GAL BUK. - MW-1
1540 SAMPLED MW-1 W/DISP. BAILER, LOCK UP WELL
1615 REMOVED CONDENSATE FROM AIR COMPRESSOR, STORED IN BLDG. ON SITE W/PURGE WATER.
1615 - SHUT DOWN SYSTEM, CHANGED OIL IN COMPRESSOR.
1645 - RESTART SYSTEM. RESET ALARM
1650 - INSPECT SITE
1655 - LEAVE SITE

NOTE: - NEED TO REPLACE RESET BUTTON ON AIR COMPRESSOR.
NEED TO REPLACE REGULATOR, (WILKERSON, 808-02-AL00) (PL-102)

COPY GIVEN TO:

REPORTED BY:

COP – Fort Bragg
098185.300
Biovent & Ozone Sparge Systems
Monthly O&M

Technician: TOD E. BURLESON	Date: 2/17/05
Weather: PARTLY CLOUDY / COOL	Time On Site: 1040 Off Site: 1655
Electric Meter: 13623	

(Please check or initial each item upon completion)

#1 * – ✓ Check all piping for leaks (visual, audible, and tactile[caution – hot pipes]),
#2 ✓ Listen for any usual sounds (start biovent blower if not operating by moving the
#3 control switch from "AUTO" to "HAND",
✓ Inspect the well box covers of all wells for damage or hazards,
✓ Record the electric meter reading,
✓ Record the biovent system operating parameters,
✓ Record the ozone sparge system operating parameters,
✓ Shut-down the ozone sparge system,
3 U * ✓ Change the oil of the air compressor,
✓ Empty the air compressor condensate collection bucket into a separate container and replace,
✓ Empty condensate collection bin at rear of ozone unit and replace,
✓ Restart the ozone sparge system,
✓ Check for any unusual conditions.

NOTES:
* #1, NEED TO REPLACE REGULATOR (WILKERSON 808-02-FL00) (PL-102), DUE TO CHECK VALVE LEAKING.

* #2, NEED TO REPLACE RESET BUTTON ON AIR COMPRESSOR.

* #3, DID NOT HEAR O_3 UNIT CYCLING.
* #4, AEON AC-HC OIL FOR COMPRESSOR CHANGED WITH 1 GRADE HEAVIER OIL (1/2 - 30 H.P.) REPLACED W/ (3 - 30 H.P. OIL) DUE TO WRONG SHIPMENT OF PRODUCT.
EMPTIED CONDENSATE INTO 5 GAL BUCKET W/ WELL WATER. STORED IN SPEED W/ ALL PURGE WATER, NEED 55 GAL. DRUM.

COP – Fort Bragg
Ozone Sparge System Monitoring Sheet
098185.210

Date: 2/17/05 Time: 1610

Performed By: TOD BURLESON

Ozone Sparge System Operating Parameters			
Air Compressor	Cycle Times (HH:MM.SS) ON WHEEN OFF ON OFF ON	Cycle Pressures ON 90 psi OFF 120 psi	Auto Drain Valve - P ON seconds OFF minutes

Ozone Sparge System	Inlet Reg. (PI-101) TURNED DOWN	85 psi	O_3 Gen O_2 Flow (FI-101)	4	lpm
	O_2 Conc. Air Reg. (PI-102) LEAKING	25 psi	O_3 Gen Flow (FI-102)	4	lpm
	O_3 Gen. O_2 Feed Reg. (PI-103)	20 psi	Sparge Air Flow (FI-103)	-	cfm
	O_3 Venturi Inlet Pres. (PI-104)	4.0 psi	O_3 Gen Output Level	70	%
	Motive Air Venturi Pres. (PI-105)	4.5 psi	O_3 Gen Ref. Voltage	1.052	vol
	Venturi Outlet Pres. (PI-106)	5.5 psi	Ambient O_3 Level	0.00	ppm
	Sparge Air Pres. (PI-107)	85 psi	Coelesing Filter (below #18)	10	% full

System Operating Times	Ozone Generator	PRESSED FOR hours	cycles
	Oxygen Concentrator	TIME . FORGO hours	cycles
	Sparge	hours	cycles

Sparge Well Program	Well	Time	Hours	Cycles	Well	Time	Hours	Cycles
	SP-1				SP-11			
	SP-2				SP-12			
	SP-3				SP-13			
	SP-4				SP-14			
	SP-5				SP-15			
	SP-6				SP-16			
	SP-7				SP-17			
	SP-8				SP-18			
	SP-9				SP-19			
	SP-10				SP-20			

NOTES: SYSTEM NOT OPERATING UPON ARRIVAL, PI102 LEAKING AIR, UNABLE TO GET ACCURATE READINGS AT THIS VISIT. TIMES FOR SPARGE WELL PROGRAM?

COP – Fort Bragg
Biovent System Monitoring Sheet
098185.210

Date: 2/17/05 Time: 1100

Performed By: TOD E. BURLESON

Hour Meter:	Timer Programming:	
1208 hours	ON: ✓ w/ C. FISHER	OFF:
	ON:	OFF:
	ON:	OFF:
	ON:	OFF:
	ON:	OFF:
	ON:	OFF:
	ON:	OFF:
	ON:	OFF:

Main Line:

Temp: 60 °F Pressure: 15 in-H_2O Flow: 4 fpm

Well #	Pressure (in-H_2O)	Flow (fpm)	Valve Position (% open)
BV-1	1		100%
BV-2	LESS THAN 1		
BV-3	LESS THAN 1		
BV-4	1		
BV-5	2		
BV-6	LESS THAN 1		
BV-7	2		
BV-8	1		✓

Comments: VERIFY TIMER PROGRAM w/ C. FISHER
NEED ANIMOMETER TO MEASURE FLOW.

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Drahan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
TB	2/17/05	1058	OFF	13623	ECE SENSER mod. A-212x	0.1-10 ppm	1208	-0.03	-0.01	-0.01	

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
	2/17/05																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

JUN-27-2006 08:02 SHN EUREKA 707 441 8877 P.06/23

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
TB	2/17/05	N/A	.67	N/A	.96	N/A	.64	ON		1655

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	2/17					
Measure Blower Running Amperage	Monthly	2/17					
Inspect electrical Fittings and tighten as needed	Monthly	2/17					
Gross particle filter-visually inspect	Monthly	2/17					
Gross particle filter-replace as necessary	As-Needed	✓					
Check controller operation	Monthly	2/17					
Adjust controller program	As-Needed	✓					
Check flow and pressure on assemblies (system and wells)	Monthly	2/17					
Take ozone readings at compound and well boxes	Monthly	✓					
Check wellhead connections	Monthly	2/17					
Check/test all safety override systems	Monthly	✓					
Sparge blower-repair as necessary	As-Needed	✓					
Sparge blower-replace as necessary	As-Needed	✓					

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
RB	2/17/05	ON	1208	100%	C.F.	100%		100%		100		100		100		100		100	

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
RB	2/17/05	1		1		1		1		2		1		2		1		on
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
RB	2/17	CALL C. FISHER FOR PROGRAM TIME
RB	2/17	NEED ~~[illegible]~~ FOR FLOW - (AMMOMETER)
RB	2/17	PRESSURES NOT TAKEN AS SYSTEM DOES NOT INDICATE
		WHICH WELL IS BEING SPARGED
RB	2/17	O_3 READINGS NOT TAKEN @ WELL BOXES, TECHNICIAN
		WAS NOT PROVIDED W/ WELL MAP

JUN-27-2006 08:02 SHN EUREKA 707 441 8877 P.08/23

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	3/18/05	OFF	1381	100%	10-2 6-10	100	10-2 6-10	100	10-2 6-10	100	10-2 6-10	100	10-2 6-10	100	10-2 6-10	100	10-2 6-10	100	10-2 6-10

PROGRAM TIME ON 1000 - 1400 ON 1800 - 2200 } 4 HR.

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
B	3/18/05	1.5		LESS 1		LESS 1		1.8		2		LESS 1		1.3		1		ON
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	3/18	0925 - ON SITE - OPEN BLDG., UNLOAD 55 GAL. DRUM
B	3/18	0931 - EMTIED ALL PURGE WATER INTO 55 GAL. DRUM FROM PREVIOUS VISIT, (LABELED DRUM).
B	3/18	0947 - BEGAN TAKING READINGS ON BIOVENT SYSTEM, BLOWER & MAIN DISCONNECT WERE OFF.
		RESTART BIOVENT SYSTEM AFTER SPEAKING W/ROLAND VIA CELL PHONE. (& C. FISHER) - TURNED
		OFF SENSAPHONE, RESTART BIOVENT SYSTEM. TOOK READINGS
B	3/18	1030 - P.G.&E. READING = 14005
B	3/18	1055 - BEGAN TAKING WATER LEVELS ON WELLS & D.O. READINGS (& CO2 MW-4)
B	3/18	1155 - BEGAN PURGING MW-4, CAUGHT ALL PURGE WATER IN 5 G. BUCKET, TRANSFERRED TO 55 G. DRUM
B	3/18	1230 - SAMPLED MW-4 W/ ITS BAILER, LOCK UP WELL.
B	3/18	1255 - TOOK WATER LEVEL MW-8, PERFORMED D.O. & CO2 TESTS. (WATER AT TOP OF LID.)
B	3/18	1355 - BEGAN PURGING MW-8 CAUGHT ALL PURGE WATER IN 5 G BUCKETS, TRANS. TO 55 G DRUM.
B	1420	1420 - SAMPLED MW-8 W/ ITS BAILER LOCK UP WELL.
B	1432	- BEGAN TAKING WATER LEVEL READINGS ON MW-1, D.O. & CO2 READINGS MW-1,
B	3/18	1510 - BEGAN PURGING MW-1, CAUGHT ALL PURGE WATER IN 5 G BUCKETS, TRANS. TO 55 G DRUM.
B	3/18	1532 - SAMPLED MW-1 W/ ITS BAILER, LOCKED WELL.
B	3/18	1545 - CHECKED SITE, LOCKED 55 GAL. DRUM (CLOSED) & LOCKED BLDG., OFF SITE.

JUN-27-2006 08:02 SHN EUREKA 707 441 8877 P.09/23

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
TB	3/18/05	112	1.8 mg/L	-031	1.6 mg/L	006	.60 mg/L	OFF	—	1550
"	" "	104		-026		016				
		103		016		021				
		106		021		026				
				043						

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	3/18					
Measure Blower Running Amperage	Monthly	3/18					
Inspect electrical fittings and tighten as needed	Monthly	3/18					
Gross particle filter-visually inspect	Monthly	3/18					
Gross particle filter-replace as necessary	As-Needed	3/18 ✓					
Check controller operation	Monthly	3/18					
Adjust controller program	As-Needed	3/18 ✓					
Check flow and pressure on assemblies (system and wells)	Monthly	3/18					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	3/18					
Check/test all safety override systems	Monthly	3/18					
Sparge blower-repair as necessary	As-Needed	3/18 ✓					
Sparge blower-replace as necessary	As-Needed	3/18 ✓					

NOTES: - OZONE SYSTEM IN REPAIR UPON ARRIVAL. BLOWER HAD BEEN LEFT OFF DURING REPAIR DUE TO NOISE LEVEL. I UNPLUGGED SENSAPHONE AND CAPPED 2 LOOSE WIRES WHICH APPEAR TO HAVE BEEN WIRED FOR HOURMETER. AS PER C. FISHER. RESTART SYSTEM AS PER R. RUEBER AND TOOK BIOVENT READINGS. SYSTEM WAS OPERATING NORMALLY (BLOWER ONLY) UPON DEPARTURE.

- LABELED 55 GAL. DRUM PURGE WATER & STORED BEHIND BLDG. ON PALLET.

TOD C. BURLESON

JUN-27-2006 08:03 SHN EUREKA 707 441 8877 P.10/23

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
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TELEPHONE CONVERSATION RECORD

CALL TO/FROM: Mike O'Neil — PHONE NO: (707) 964-9200
ARCE Consultant — DATE: 28th Feb 03
CALL TO/FROM: C. Fisher - SHN — TIME: 1000 A.M. ____ P.M.

MESSAGE TAKEN BY: ____ PROJECT NO: 098185.05

SUBJECT:

- O_2 Cone needs to be put back on-line
  - Very low O_2 output otherwise
- Pressure regulator need to be replaced
- Should be valve on each sparge well to control
- Ozone resistant (Tygon seals)

(cell) (508) 989-5209

Contact @ ARCE (Lisa Wentworth)

- Arce will send values to SHN-Eureka
- O_2 Generator is broken electrical problems.
- Arce will send new O_2 gen to Mike O'Neil & he will replace it.
- System will be ready to go after valves install.

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
480 Hemsted Drive * Redding, CA 96002* Tel: 530.221.5424 * FAX: 530.221.0135 *E-mail: shninfo@shn-redding.com
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DAILY FIELD REPORT

JOB NO 048185.20-5

Page 1 of 1

PROJECT NAME CONOCO PHILLIPS	CLIENT/OWNER TOSCO	DAILY FIELD REPORT SEQUENCE NO 1	
GENERAL LOCATION OF WORK FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE CASEY SANDERS	DATE 4/12/05	DAY OF WEEK TUESDAY
TYPE OF WORK O&M, SAMPLING	WEATHER MOSTLY CLOUDY, COOL, SPRINKLES	PROJECT ENGINEER/ SUPERVISOR C. FISHER / R. RUEBER	
SOURCE & DESCRIPTION OF FILL MATERIAL WELLS, H_2O	KEY PERSONS CONTACTED R. RUEBER	TECHNICIAN T. BURLESON	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING & COMPACTING

0910	ON SITE
0912	REMOVED LIDS & UNLOCKED CAPS ON ALL 3 WELLS, (1, 4, 8), UNLOCKED DOOR TO SPARGE / OZONE SYSTEM.
0917	BEGAN TAKING DTW READINGS ON ALL 3 WELLS, DECON SOUNDER AFTER EACH WELL.
0940	BEGAN TAKING READINGS ON MW-4, REMOVING PURGE WATER AND STORING IN 5 GAL. BUCKETS, ON SITE.
1045	SECURED MW-4, BEGAN PURGING MW-8 & TAKING READINGS, REMOVING PURGE WATER & PLACING IN 5 gal. BUCKETS, STORED ON SITE.
1130	SECURED MW-8, BEGAN PURGING MW-1 & TAKING READINGS, REMOVING PURGE WATER & PLACING IN 5 gal. BUCKETS, STORED ON-SITE.
1220	SECURED MW-1
1222	BEGAN TAKING READINGS ON BIOVENT SYSTEM. OZONE SYSTEM OFF.
1242	FINISHED BIOVENT O&M.
1247	TOOK A DTW LEVEL AND THEN SAMPLED MW-4 W/ ITS DISP. BAILER.
1323	SECURED MW-4, REPLACED CAP & LOCK.
1330	TOOK DTW LEVEL MW-8 AND THEN BEGAN SAMPLING W/ ITS DISP. BAILER.
1352	SECURED MW-8 REPLACED 2" CAP & LOCK (RUSTED).
1400	TOOK DTW LEVEL AND THEN SAMPLED MW-1 W/ ITS DISP. BAILER.
1432	SECURED MW-1, WALKED SITE, LOCKED DOOR
1445	OFF SITE

COPY GIVEN TO R. RUEBER

REPORTED BY T. BURLESON

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter (O2 ONE)	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
AD	9/12/05	1235	OFF	14640			3778				

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draftan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
TB	4/12/05	OFF (OFF)																	
TB	4/12/05	ON - 1224	1780	100	240														

(1000 - 1400)
(1800 - 2200)

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
TB	4/12/05	2.0		LESS 1		LESS 1		1.8		2		1		1.5		1.5		OFF
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
TB	4/12	OZONE SYSTEM IN REPAIR, BIOVENT SYSTEM OPERATING NORMALLY.

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
B	4/12/05	095	4	-013	9	46	4	OFF	—	

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	4/12/05					
Measure Blower Running Amperage	Monthly	.020					
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	✓					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	— *					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	—					
Sparge blower-repair as necessary	As-Needed	✓					
Sparge blower-replace as necessary	As-Needed	✓					

* BIOVENT ONLY

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DAILY FIELD REPORT

Job No. 098185.205
Page 1 of 1

Project Name: CONOCO PHILLIPS	Client/Owner: TOSCO	Daily Field Report Sequence No: 1
General Location Of Work: FT. BRAGG, CA	Owner/Client Representative: CASEY SANDERS	Date: 5/17/05 — Day Of Week: MONDAY
General Contractor:	Grading Contractor:	Project Engineer: C. FISHER / R. RUEBER
Type Of Work: O&M SAMPLING	Grading Contractor, Superintendent, Or Foreman:	Supervisor: R. RUEBER
Source & Description Of Fill Material:	Weather: MOSTLY CLOUDY, SPRINKLES	Technician: T. BURLESON
	Key Persons Contacted (Civil Engr, Architect, Developer, Etc):	

Describe Equipment Used For Hauling, Spreading, Watering, Conditioning, & Compacting

0910 - ON SITE
0912 - REMOVED LIDS & UNLOCKED CAPS ON ALL 3 WELLS (1, 4, 8), UNLOCKED DOOR TO SPARGE/OZONE SYSTEM
0915 BEGAN TAKING DTW READINGS ON MW-4, ~~REMOVING PURGE WATER~~ DECON SOUNDER AFTER EACH WELL
0935 BEGAN TAKING READINGS ON MW-4, REMOVING PURGE WATER AND STORING IN 5 GAL. BUCKETS, ON SITE.
1030 SECURED MW-4, BEGAN TAKING READINGS ON MW-8, REMOVING PURGE WATER AND STORING IN 5 GAL. BUCKETS ON SITE
1110 SECURED MW-8 BEGAN TAKING READINGS ON MW-1, REMOVING PURGE WATER AND STORING IN 5 Gal. BUCKETS ON SITE.
1152 SECURED MW-1
1155 TOOK A DTW READING AND THEN SAMPLED MW-4 W/ MS DISP. BAILER.
1227 SECURED MW-4, REPLACED CAP & LOCK
1230 TOOK A DTW READING AND THEN SAMPLED MW-8 W/ MS DISP. BAILER
1257 SECURED MW-8, REPLACED CAP & LOCK
1305 TOOK A DTW READING AND THEN SAMPLED MW-1 W/ MS. DISP. BAILER
1330 SECURED MW-1, REPLACED CAP & LOCK.
1347 BEGAN TAKING READINGS ON BIOVENT SYSTEM. OZONE SYSTEM OFF.
1402 FINISHED TAKING READINGS, WALKED SITE
1425 OFF SITE

Copy given to: R. RUEBER
Reported By: T. BURLESON

Field Data Sheet

Air/Ozone Sparge System

ConocoPhillips Site # 0827
720 North Franklin St
Fort Bragg, California

Requested By: Amy Drahan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
BB	5/17/05	1350	OFF	15529			3778				
	17										

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	5/10/05	OFF /																	
B	5/10/05	ON		100	240	→		→		→		—		—		→		—	

(1000 - 1400)
(1800 - 2200)

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
B	5/10/05	2.2		LESS /		LESS /		1.5		1.8		/		1.5		/		
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	5/10/05	OZONE SYSTEM IN REPAIR, BIOVENT SYSTEM OPERATING NORMALLY.

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
AD	5/17/05	120	6	012	4	-014	2	OFF	—	

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	5/17/05					
Measure Blower Running Amperage	Monthly	0.20					
Inspect electrical fittings and tighten as needed	Monthly	—					
Gross particle filter-visually inspect	Monthly	—					
Gross particle filter-replace as necessary	As-Needed	—					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	✓					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

* BIOVENT ONLY
* HOURS = 2332
* TEMP. 81° F
* PRESSURE AT BLOWER = 3.9

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DAILY FIELD REPORT

JOB NO 098185.205

Page 1 of 1

PROJECT NAME CONOCO PHILLIPS	CLIENT/OWNER TOSCO	DAILY FIELD REPORT SEQUENCE NO	
GENERAL LOCATION OF WORK FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE CASEY SANDERS	DATE 6 JUN 05	DAY OF WEEK MONDAY
TYPE OF WORK O+M SAMPLING	WEATHER PARTLY CLOUDY, COOL	PROJECT ENGINEER/ SUPERVISOR C. FISHER / R. RUEBER	
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	TECHNICIAN T. BURLESON	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

0905	ON SITE
0910	REMOVED LIDS & UNLOCKED CAPS ON ALL 3 WELLS (1, 4, & 8), UNLOCKED DOOR TO SPARGE / OZONE SYSTEM.
0917	BEGAN TAKING DTW READINGS ON ALL 3 WELLS. DECON SOUNDER AFTER EACH WELL.
0935	BEGAN TAKING READINGS ON MW-4, REMOVING PURGE WATER AND STORING IN 2ND 55 GAL. DRUM, STORED ON SITE.
1025	SECURED MW-4, BEGAN TAKING READINGS ON MW-8, REMOVING PURGE WATER AND STORING ON SITE.
1055	SECURED MW-8, BEGAN TAKING READINGS ON MW-1, REMOVING PURGE WATER AND STORING ON-SITE.
1125	SECURED MW-1
1136	TOOK A DTW READING AND THEN SAMPLED MW-4 WITH ITS BAILER.
1201	SECURED MW-4, REPLACED CAP & LOCK.
1205	TOOK A DTW READING & THEN SAMPLED MW-8 WITH ITS DISP. BAILER
1230	SECURED MW-8, REPLACED CAP & LOCK.
1242	TOOK A DTW READING & THEN SAMPLED MW-1 WITH ITS DISP. BAILER.
1300	SECURED MW-1, REPLACED CAP & LOCK.
1318	BEGAN TAKING READINGS ON BIOVENT SYSTEM, OZONE OFF.
1345	OFF SITE

COPY GIVEN TO: R. RUEBER

REPORTED BY: T. BURLESON

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
D	6/6/05	092	5	-044	3	-012	2	OFF		1340

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	6/6/05					
Measure Blower Running Amperage	Monthly	.019					
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	—					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	✓					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	✓					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

* BLOWOUT ONLY

HOURS = 2649

TEMP. = 79.6

PRESSURE @ BLOWER = 3.94

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
AZ	6/6/05	0900	OFF								
AZ	6/6/05	1320	~~off~~ off	16021			3778				

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	6/6/05	OFF																	
B	6/6/05	ON	2649	100	240														

(1000-1400)
(1800-2200)

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
B	6/6/05	2.2		<1		<1		~~2.5~~ 1.2		2.5		1		2		2		ON
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	6/6/05	OZONE SYSTEM AWAITING PARTS/APPROVAL, BIOVENT SYSTEM OPERATING NORMALLY.

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DAILY FIELD REPORT

JOB NO 098185.2005

Page 1 of 1

PROJECT NAME: CONOCO PHILLIPS	CLIENT/OWNER: TOSCO	DAILY FIELD REPORT SEQUENCE NO: 7
GENERAL LOCATION OF WORK: FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE: CASEY SANDERS	DATE: 7/11/05 — DAY OF WEEK: MONDAY
TYPE OF WORK: D&M SAMPLING	WEATHER:	PROJECT ENGINEER/SUPERVISOR: C. FISHER / R. RUEBER
SOURCE & DESCRIPTION OF FILL MATERIAL: —	KEY PERSONS CONTACTED: CHECK IN @ OFFICE.	TECHNICIAN: T. BURLESON

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

0915	ON SITE
0915	REMOVED LIDS & UNLOCKED CAPS ON ALL THREE WELLS (1, 4, & 8), UNLOCKED DOOR TO SPARGE / OZONE SYSTEM.
0930	BEGAN TAKING DTW READINGS ON 3 WELLS, DECON SOUNDER AFTER EACH WELL WITH LIQUINOX & D.I. WATER.
0950	BEGAN TAKING READINGS ON MW-4, NO PURGE ON THIS VISIT, 1 BAILER FOR READINGS & THEN SAMPLED MW-4 WITH ITS DISP. BAILER.
1040	SECURED MW-4, CAP & LID.
1048	BEGAN TAKING READINGS ON MW-8, NO PURGE, THEN SAMPLED MW-8 W/ ITS DISP. BAILER.
1125	SECURED MW-8, CAP & LID
1132	BEGAN TAKING READINGS ON MW-1, NO PURGE, THEN SAMPLED MW-1 W/ ITS DISP. BAILER.
1210	SECURED MW-1, LOCKED CAP & LID
1220	BEGAN TAKING READINGS ON BIOVENT SYSTEM, OZONE OFF.
1230	OFF SITE.

COPY GIVEN TO: R. RUEBER — REPORTED BY: T. BURLESON

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
[illegible]	7/11/05	035	7	-026	5	-045	2	OFF		1230

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	7/11/05					
Measure Blower Running Amperage	Monthly						
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	—					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	—					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

* BIOVENT ONLY

HOURS : 3203

TEMP : 81°

PRESSURE @ BLOWER = 3.9

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
B	7/11/05	0915	OFF	1680A							
B	7/11/05	1230	OFF								

Initials	Date	Well Data: SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	Well Data: SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draflan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
[illegible]	7/11/05	OFF	3203	100	240	→													

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
[illegible]	7/11/05	.18	[illegible]	>.1	1	>.1	1	.1	1.2	.2	2.5	1	>.1	.15	2	.15	2	ON
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

1000 - 1400

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
[illegible]	7/11	OZONE SYSTEM IN REPAIR.

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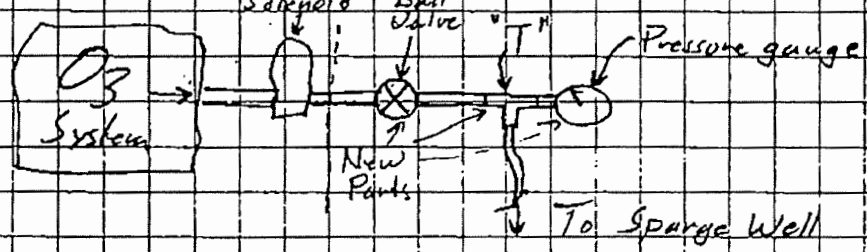
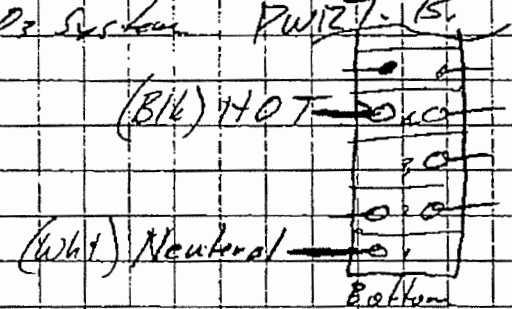
JOB COP- Ft. Bragg 098185.205
SHEET NO. 1 OF
CALCULATED BY C. Fisher DATE 9th Aug '05
CHECKED BY DATE
SCALE

- Installed flow regulating valves on all solenoid valves of O_3 System
- Installed pressure gauges on all solenoid valves.



- Adjusted flow control valves to establish proper operating pressures (venturi outlet < 40 psi), with the Ozone generator off line. Sparge Only
- Wells SW-2, 5, & 11 have back pressures > 30 psi and high back pressures will cause high-back pressures from the Ozone generator due to improper venturi pressures
- Reduced sparge rate to 1 scfm - 1½ scfm for all wells.
- Pressure tested pressurized lines on system & connections to spargewells -
  - Sparge well / flow regulating valve connection - OK
  - Tightened hose to O_2 concentrator - OK
- Activated O_3 generator
  - Sparks inside O_3 Gen & smell
- Shut-Off O_3 System @ main power breaker to system
- Burnt out electrical components in O_3 Gen
- Removed O_3 generator from O_3 System



- 2 barrels of purge water on-site

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DAILY FIELD REPORT

JOB NO 098185.205

Page 1 of 1

PROJECT NAME CONOCO PHILLIPS	CLIENT/OWNER TOSCO	DAILY FIELD REPORT SEQUENCE NO 8	
GENERAL LOCATION OF WORK FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE CASEY SANDERS	DATE 8/9/05	DAY OF WEEK TUESDAY
TYPE OF WORK O+M SAMPLING	WEATHER PARTLY CLOUDY	PROJECT ENGINEER/SUPERVISOR C. FISHER / R. RUEBER	
SOURCE & DESCRIPTION OF FILL MATERIAL —	KEY PERSONS CONTACTED CHECK IN @ OFFICE	TECHNICIAN T. BURLESON	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING.

0900 ON SITE
0902 MET W/ C. FISHER, DROPPED OFF CAMERA, DISCUSSED OZONE SYSTEM, VALVES, ETC.,
0915 CHANGED OIL IN COMPRESSOR, CHECKED AIR FILTER - CLEAN. (NEED TO ~~ORDER~~ ORDER NEW AIR FILTER). (GD)
REMEMBER : OZONE GAUGE (METER)
: PURGE WATER DRUM.
: EMPTY 5 GAL OIL (RECYCLE.)
0950 REMOVED LIDS & UNLOCKED CAPS ON ALL THREE WELLS (1, 4, & 8.)
0958 BEGAN TAKING DTW READINGS ON ALL 3 WELLS, DECON SOUNDER AFTER EACH WELL
1016 BEGAN TAKING READINGS ON MW-4, NO PURGE ON THIS VISIT, 1 BAILER FOR TESTS,
1045 BEGAN TAKING READINGS ON MW-8, NO PURGE, 1 BAILER FOR TESTS.
1108 BEGAN TAKING READINGS ON MW-1, NO PURGE, 1 BAILER FOR TESTS.
1130 BEGAN TAKING READINGS ON BIOVENT SYSTEM.
1150 BEGAN SAMPLING MW-4 WITH ITS DISP. BAILER
1220 SECURED MW-4, REPLACED CAP & LID
1230 BEGAN SAMPLING MW-8 WITH ITS DISPOSABLE BAILER.
1250 SECURED MW-8, REPLACED CAP & LID.
1253 BEGAN SAMPLING MW-1 WITH ITS DISPOSABLE BAILER.
1310 SECURED MW-1, REPLACED CAP & LID
1340 CLEANED UP, CHECKED SITE
1342 OFF SITE

COPY GIVEN TO: R. RUEBER

REPORTED BY: T. BURLESON

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
TB	8/9/05	056	3	-055	4	-036	2	OFF	–	1340

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	✓					
Measure Blower Running Amperage	Monthly	.017					
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	✓					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	✓					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	—					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
B	8/9/05	0900	OFF	17611	–		–				

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
B	8/9/05																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
B	8/9/05																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	8/9/05	OFF	3649	100	240														

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
B	8/9/05	.2	1000 FPM	1	770	1	1460	1.5	1180	2.5	1130	1.2	600	1.8	770	2	790	ON
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	8/9	OZONE SYSTEM IN REPAIR, BEING SERVICED BY C. FISHER.
B	8/9	- MALFUNCTION W/ OZONE GENERATOR.
B	8/9	- 2 DRUMS W/ PURGE WATER - FULL
B	8/9	- P/U USED OIL NEXT VISIT.
B	8/9	- NEW AIR FILTER FOR COMPRESSOR.
B		

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DAILY FIELD REPORT

JOB NO 098185.205

Page 1 of 1

PROJECT NAME: CONOCO PHILLIPS	CLIENT/OWNER: TOSCO	DAILY FIELD REPORT SEQUENCE NO: 9	
GENERAL LOCATION OF WORK: FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE: CASEY SANDERS	DATE: 6 SEP 05	DAY OF WEEK: TUESDAY
TYPE OF WORK: O&M SAMPLING	WEATHER:	PROJECT ENGINEER/SUPERVISOR: C. FISHER / R. RUEBER	
SOURCE & DESCRIPTION OF FILL MATERIAL: —	KEY PERSONS CONTACTED: CHECK IN @ OFFICE	TECHNICIAN: T. BURLESON	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

0915	ON SITE
0920	REMOVED LIDS AND UNLOCKED CARS ON ALL 3 WELLS (1, 4, & 8)
0930	BEGAN TAKING DTW READINGS ON ALL 3 WELLS, DECON SOUNDER AFTER EACH WELL.
0945	BEGAN TAKING READINGS ON MW-4, NO PURGE, 1 BAILER.
1017	BEGAN TAKING READINGS ON MW-8, NO PURGE, 1 BAILER.
1040	BEGAN TAKING READINGS ON MW-1, NO PURGE, 1 BAILER.
1105	BEGAN TAKING READINGS ON BRIDGE SYSTEM.
1125	BEGAN SAMPLING MW-4 WITH ITS DISPOSABLE BAILER
1150	SECURED MW-4, REPLACED/LOCKED CAP & LID.
1155	BEGAN SAMPLING MW-8 WITH ITS DISPOSABLE BAILER.
1210	SECURED MW-8, REPLACED/LOCKED CAP & LID.
1218	BEGAN SAMPLING MW-1 WITH ITS DISPOSABLE BAILER.
1240	SECURED MW-1, REPLACED/LOCKED CAP & LID.
1250	CLEANED UP, CHECKED SITE
1252	WD-40 TO ALL LID BOLTS & LOCKS
1255	2 55 GAL. DRUMS PLUS (1) 5 GALLON BUCKETS OF PURGE WATER.
1300	OFF SITE
1430	DISPOSE OF WASTE OIL WILLITS RECYCLE.

COPY GIVEN TO: R. RUEBER

REPORTED BY: T. BURLESON

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Oraifan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
TB	6 SEP 05	OFF	4093	100	240														

Initials	Date	Well Data																Status on Departure (On/Off)
		BV-1		BV-2		BV-3		BV-4		BV-5		BV-6		BV-7		BV-8		
		Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	
TB	9/6/05	2		1		1		1.2		2.5		1.2		1.8		2		
			FPM															
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
TB	9/6	OZONE SYSTEM IN REPAIR.
TB	9/6	PICKED UP USED OIL FOR RECYCLE
TB	9/6	2 DRUMS + 5 GAL. BUCKET PURGE WATER ON SITE.

Sep 06 05 03:45p -- P.0

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
B	6SEP05	1104	OFF	18285							

Initials	Date	Well Data: SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
B	6SEP05	—																			
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	Well Data: SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
B	6SEP.05	—																			
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling MW-1 ORP (mV)	MW-1 DO (mg/L)	MW-4 ORP (mV)	MW-4 DO (mg/L)	MW-8 ORP (mV)	MW-8 DO (mg/L)	OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
TB	6 SEP 05	064	3	-085	2	046	2	OFF		

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	06 SEP					
Measure Blower Running Amperage	Monthly						
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	✓					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	✓					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

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DAILY FIELD REPORT

JOB NO 098185.205

Page 1 of 1

PROJECT NAME CONOCO PHILLIPS	CLIENT/OWNER TOSCO	DAILY FIELD REPORT SEQUENCE NO 10
GENERAL LOCATION OF WORK FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE THOMAS M. POTTER	DATE 3 OCT 05 DAY OF WEEK MONDAY
TYPE OF WORK O & M SAMPLING	WEATHER	PROJECT ENGINEER/ SUPERVISOR C. FISHER / R. RUEBER
SOURCE & DESCRIPTION OF FILL MATERIAL —	KEY PERSONS CONTACTED CHECK IN	TECHNICIAN T. BURLESON

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

0710	ON SITE
0915	REMOVED LIDS AND UNLOCKED CAPS ON ALL 3 WELLS. (1, 4 & 8).
0930	BEGAN TAKING OTW READINGS ON ALL 3 WELLS, DECON SOUNDER AFTER EACH WELL, DECON SOUNDER, CAPTURING WATER IN WASH TUB AND TRANSFERRING TO 5 GAL. BUCKET STORED ON-SITE.
0947	BEGAN TAKING READINGS ON MW-4, NO PURGE, 1 BAILER.
1012	BEGAN TAKING READINGS ON MW-8, NO PURGE, 1 BAILER.
1035	BEGAN TAKING READINGS ON MW-1, NO PURGE, 1 BAILER.
1105	BEGAN TAKING READINGS ON BIOVENT SYSTEM.
1120	BEGAN SAMPLING MW-4 WITH ITS DISPOSABLE BAILER.
1145	SECURED MW-4 REPLACED / LOCKED CAP & LID.
1150	BEGAN SAMPLING MW-8 WITH ITS DISPOSABLE BAILER.
1210	SECURED MW-8, REPLACED / LOCKED CAP & LID.
1215	BEGAN SAMPLING MW-1 WITH ITS DISPOSABLE BAILER.
1235	SECURED MW-1, REPLACED / LOCKED CAP & LID.
1245	CLEANED / CHECKED SITE.
1250	2-55 GAL. DRUMS + 5 GALLON BUCKET OF PURGE WATER
1300	OFF SITE

COPY GIVEN TO R. RUEBER

REPORTED BY T. BURLESON

Field Data Sheet

Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
B	3 OCT	141	2	-062	1	095	2	OFF	–	1302

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	✓					
Measure Blower Running Amperage	Monthly	—					
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	—					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	—					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffen
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	3 ~~MAR~~ OCT.	OFF	4522	100	120														

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
B	3, ~~MAR~~ /OCT	2		1		1		1.2		2.3		1.1		1.6		2		ON
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	3 ~~MAR~~ OCT	OZONE SYSTEM IN REPAIR.
		2 DRUMS PLUS 5 GAL. BUCKET PURGE WATER ON SITE.
		TEMP. @ BLOWER = 90° F
		PRESSURE @ BLOWER = 3.9

Oct 03 05 03:40p -- 707 459 1884 p.1

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # C927
720 North Frankfn St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
TB	3 OCT	1102	OFF	18934							

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
TB	3 OCT																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-15 Press	SP-15 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
TB	3 OCT																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

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DAILY FIELD REPORT

JOB NO 098185.205

Page 1 of 1

PROJECT NAME CONOCO PHILLIPS	CLIENT/OWNER TOSCO	DAILY FIELD REPORT SEQUENCE NO 11	
GENERAL LOCATION OF WORK FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE THOMAS M. POTTER	DATE 1 NOV 05	DAY OF WEEK TUESDAY
TYPE OF WORK O&M SAMPLING	WEATHER	PROJECT ENGINEER/SUPERVISOR R. RUEBER / C. FISHER	
SOURCE & DESCRIPTION OF FILL MATERIAL —	KEY PERSONS CONTACTED CHECK IN @ OFFICE	TECHNICIAN T. BURLESON	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING & COMPACTING

0915	ON SITE
0930	REMOVED LIDS AND UNLOCKED CAPS ON ALL 3 WELLS. (1, 4, & 8.)
0940	BEGAN TAKING DTW READINGS ON ALL 3 WELLS, DECON SOUNDER AFTER
	EACH WELL, CAPTURING WATER IN WASH TUB AND TRANSFERRING TO 5
	GAL. BUCKET STORED ON SITE.
1000	BEGAN TAKING READINGS ON MW-4, NO PURGE, 1 BAILER.
1025	BEGAN TAKING READINGS ON MW-8, NO PURGE, 1 BAILER.
1040	BEGAN TAKING READINGS ON MW-1, NO PURGE, 1 BAILER.
1102	BEGAN TAKING READINGS ON BIONDI SYSTEM.
1125	BEGAN SAMPLING MW-4 WITH ITS DISPOSABLE BAILER.
1150	SECURED MW-4 REPLACED / LOCKED CAP AND LID.
1155	BEGAN SAMPLING MW-8 WITH ITS DISPOSABLE BAILER
1210	SECURED MW-8 REPLACED / LOCKED CAP AND LID.
1215	BEGAN SAMPLING MW-1 WITH ITS DISPOSABLE BAILER.
1235	SECURED MW-1 REPLACED / LOCKED CAP AND LID.
1248	CHECKED SITE
1252	2 55 GALLON DRUMS + 1 5 GALLON BUCKET PURGE WATER
~~1305~~	STORED ON SITE
1305	OFF SITE

NOTE: I WAS ABLE TO PICK UP VOAS FROM ALPHA LAB IN UKIAH. NEEDED TO FINISH O&M A DAY EARLY DUE TO SCHEDULING.

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Field Data Sheet

Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STC

Initials	Date	Monthly Sampling MW-1 ORP (mV)	MW-1 DO (mg/L)	MW-4 ORP (mV)	MW-4 DO (mg/L)	MW-8 ORP (mV)	MW-8 DO (mg/L)	OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
B	1 Nov 05	016	2	050	1	002	2	OFF		

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	1 Nov 05					
Measure Blower Running Amperage	Monthly	—					
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	—					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	—					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

Nov 01 05 04:33p -- 707 459 1884 p.9

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	1 Nov 05	OFF	49813	100	240	→													

Initials	Date	Well Data																Status on Departure (On/Off)
		BV-1		BV-2		BV-3		BV-4		BV-5		BV-6		BV-7		BV-8		
		Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	Press	Flow	
B	11/1/05	2		1		1.1		1.1		2.2		1.1		1.8		1.7		ON
Measurement Units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	11/1	OZONE SYSTEM IN REPAIR.
		2 DRUMS PLUS 5 GALLON BUCKET PURGE WATER ON SITE.
		TEMP. @ BLOWER = 80°
		PRESSURE @ BLOWER = 3.9
		AIR FILTER CLEAN.
		SOLBERG - ASSEMBLY MODEL # FS-31P-200
		- REPLACEMENT ELEMENT # 31P

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Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Time	OS System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand	Ozone Meter Range	Hourmeter	Ozone Readings: Outside Compound (ppm)	Ozone Readings: Inside Compound (ppm)	Ozone Readings: Inside Shed/Panel (ppm)	Ozone Readings: Secondary Containment (ppm)
B	1 Nov 05	1106	OFF	20634							

Initials	Date	SP-1 Press	SP-1 O_3	SP-2 Press	SP-2 O_3	SP-3 Press	SP-3 O_3	SP-4 Press	SP-4 O_3	SP-5 Press	SP-5 O_3	SP-6 Press	SP-6 O_3	SP-7 Press	SP-7 O_3	SP-8 Press	SP-8 O_3	SP-9 Press	SP-9 O_3	SP-10 Press	SP-10 O_3
B	1 Nov 05																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

Initials	Date	SP-11 Press	SP-11 O_3	SP-12 Press	SP-12 O_3	SP-13 Press	SP-13 O_3	SP-14 Press	SP-14 O_3	SP-16 Press	SP-16 O_3	SP-16 Press	SP-16 O_3	SP-17 Press	SP-17 O_3	SP-18 Press	SP-18 O_3	SP-19 Press	SP-19 O_3	SP-20 Press	SP-20 O_3
B	1 Nov 05																				
Measurement units:		psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm	psi	ppm

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DAILY FIELD REPORT

JOB NO 098185.205
Page 1 of 1

PROJECT NAME: CONOCO PHILLIPS	CLIENT/OWNER: TOSCO	DAILY FIELD REPORT SEQUENCE NO: 12
GENERAL LOCATION OF WORK: FT. BRAGG, CA	OWNER/CLIENT REPRESENTATIVE: THOMAS M. POTTER	DATE: 5 DEC 05 / DAY OF WEEK: MONDAY
TYPE OF WORK: O&M SAMPLING	WEATHER: CLEAR / COOL	PROJECT ENGINEER/SUPERVISOR: C. FISHER / R. RUEBER
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED: CHECK IN @ OFFICE	TECHNICIAN: T. BURLESON

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING & COMPACTING

0920 ON SITE
0935 REMOVED LIDS AND CAPS ON ALL 3 WELLS (1, 4, & 8).
HAD TO MOVE LARGE DIESEL TANK OVER MW-4.
MANAGER/OWNER WANTS SS DRUM REMOVED.
1005 I STARTED TAKING DTW READINGS, SCRUBBING WITH LIQUINOX
AND CAPTURING PURGE WATER (DI) IN BUCKET AND STORING IN 5
GALLON BUCKET.
1050 I STARTED TAKING D.O. READINGS.
1045 I STARTED TAKING CO_2 AND ORP READINGS, MW-4
1052 I SAMPLED MW-4 WITH ITS DISPOSABLE 2" BAILER.
1108 I STARTED TAKING CO_2 AND ORP READINGS ON MW-8.
1115 I SAMPLED MW-8 WITH ITS DISPOSABLE 2" BAILER.
1135 I STARTED TAKING CO_2 AND ORP READINGS ON MW-1.
1140 I SAMPLED MW-8 WITH ITS DISPOSABLE 2" BAILER
1215 I SECURED MW 1, 4, 8 LOCKED CAPS AND LIDS.
1220 I BEGAN TAKING BIOVENT READINGS.
1255 OFF SITE

- NEED TO REMOVE PURGE WATER FROM SITE AS PER PLANT MANAGER'S REQUEST.

- MW-1 HAD A VERY HIGH D.O. READING AND A LOW DISS. CO_2 READING AS WELL.

PREPARED BY: R. RUEBER
REPORTED BY: T. BURLESON

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	Monthly Sampling						OS System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-1		MW-4		MW-8				
		ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
[illegible]	5 DEC05									

System Maintenance	Frequency	Date Performed					
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	5 DEC05					
Measure Blower Running Amperage	Monthly	—					
Inspect electrical fittings and tighten as needed	Monthly	✓					
Gross particle filter-visually inspect	Monthly	✓					
Gross particle filter-replace as necessary	As-Needed	—					
Check controller operation	Monthly	✓					
Adjust controller program	As-Needed	—					
Check flow and pressure on assemblies (system and wells)	Monthly	✓					
Take ozone readings at compound and well boxes	Monthly	—					
Check wellhead connections	Monthly	✓					
Check/test all safety override systems	Monthly	✓					
Sparge blower-repair as necessary	As-Needed	—					
Sparge blower-replace as necessary	As-Needed	—					

TEMP. @ BLOWER = 71°F
PRESSURE @ BLOWER = 3.98

Field Data Sheet
Air/Ozone Sparge System

ConocoPhillips Site # 0927
720 North Franklin St
Fort Bragg, California

Requested By: Amy Draffan
Lab: STL

Initials	Date	AS System Status on Arrival On/Off	Hourmeter	BV-1 Valve Open (%)	BV-1 Prog. Time (min)	BV-2 Valve Open (%)	BV-2 Prog. Time (min)	BV-3 Valve Open (%)	BV-3 Prog. Time (min)	BV-4 Valve Open (%)	BV-4 Prog. Time (min)	BV-5 Valve Open (%)	BV-5 Prog. Time (min)	BV-6 Valve Open (%)	BV-6 Prog. Time (min)	BV-7 Valve Open (%)	BV-7 Prog. Time (min)	BV-8 Valve Open (%)	BV-8 Prog. Time (min)
B	5 DEC 05	OFF	5527.4	100%	240														

Initials	Date	Well Data BV-1 Press	BV-1 Flow	BV-2 Press	BV-2 Flow	BV-3 Press	BV-3 Flow	BV-4 Press	BV-4 Flow	BV-5 Press	BV-5 Flow	BV-6 Press	BV-6 Flow	BV-7 Press	BV-7 Flow	BV-8 Press	BV-8 Flow	Status on Departure (On/Off)
B	5 DEC 05	2		1		1		1.5		2.3		1		2		2		
Measurement units:		in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	in h20	cfm	

Initials	Date	NOTES AND DESCRIPTION OF ACTIVITIES ON SITE
B	5 DEC 05	- P.G.&E = 20465
		- NEED TO REMOVE PURGE WATER AS PER PLANT MANAGER'S REQUEST.
		- OZONE SYSTEM IN REPAIR.
		- TEMP @ BLOWER = 71°F
		- PRESSURE @ BLOWER = 3.9

Dec 05 05 03:22p -- 707 459 1884 p.7