

AE Order Number Banner

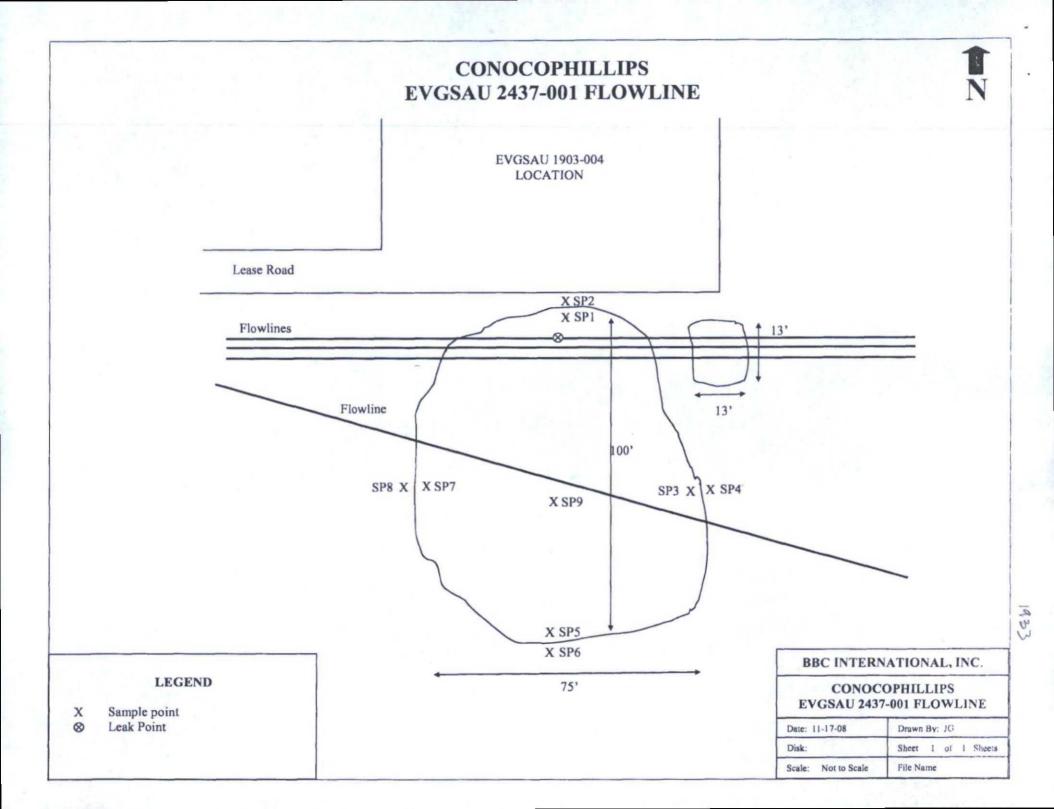
Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pGRL0824152176

1RP - 1933
CONOCOPHILLIPS COMPANY





Receiving Date: 09/26/08

Reporting Date: 09/29/08

Project Owner: CONOCO PHILLIPS Project Name: EVGSAU 2437-001

Project Location: BUCKEYE, NM

Analysis Date: 09/26/08 - 09/29/08

Sampling Date: 09/23/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: ZL

LAB NUMBI SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
H15989-1 SP1 @ SURFACE	<0.050	<0.050	<0.050	<0.150
H15989-2 SP1 @ 2 FT.	<0.050	< 0.050	< 0.050	< 0.150
H15989-3 SP1 @ 5 FT.	<0.050	< 0.050	< 0.050	< 0.150
H15989-4 SP2 @ SURFACE	< 0.050	< 0.050	< 0.050	< 0.150
H15989-5 SP2 @ 2 FT.	<0.050	< 0.050	< 0.050	< 0.150
H15989-6 SP3 @ SURFACE	<0.050	< 0.050	< 0.050	< 0.150
H15989-7 SP3 @ 2 FT.	< 0.050	< 0.050	< 0.050	< 0.150
H15989-8 SP3 @ 4 FT.	< 0.050	< 0.050	< 0.050	< 0.150
H15989-9 SP4 @ SURFACE	<0.050	< 0.050	< 0.050	< 0.150
H15989-10 SP4 @ 2 FT.	<0.050	< 0.050	< 0.050	< 0.150
H15989-11 SP5 @ SURFACE	<0.050	< 0.050	< 0.050	< 0.150
H15989-12 SP5 @ 2 FT.	<0.050	< 0.050	< 0.050	< 0.150
Quality Control	0.049	0.044	0.044	0.162
True Value QC	0.050	0.050	0.050	0.150
% Recovery	98.0	88.0	88.0	108
Relative Percent Difference	3.1	0.2	0.2	0.2

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Lab Directo

Date



Receiving Date: 09/26/08 Reporting Date: 09/29/08

Project Owner: CONOCO PHILLIPS
Project Name: EVGSAU 2437-001

Project Location: BUCKEYE, NM

Analysis Date: 09/26/08 - 09/29/08

Sampling Date: 09/23/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: ZL

LAB NUMB! SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)		TOTAL XYLENES (mg/kg)
H15989-13 SP5 @ 3 FT.	<0.050	<0.050	<0.050	<0.150
H15989-14 SP6 @ SURFACE	<0.050	<0.050	<0.050	<0.150
H15989-15 SP6 @ 2 FT.	<0.050	<0.050		<0.150
H15989-16 SP6 @ 4 FT.	<0.050	<0.050		<0.150
H15989-17 SP7 @ SURFACE	<0.050	<0.050		<0.150
H15989-18 SP7 @ 2 FT	< 0.050	< 0.050	< 0.050	< 0.150
H15989-19 SP7 @ 5 FT.	<0.050	< 0.050	<0.050	< 0.150
H15989-20 SP8 @ SURFACE	<0.050	< 0.050	<0.050	< 0.150
H15989-21 SP8 @ 2 FT.	<0.050	< 0.050	< 0.050	< 0.150
H15989-22 SP9 @ SURFACE	< 0.050	< 0.050	< 0.050	< 0.150
H15989-23 SP9 @ 2 FT.	< 0.050	< 0.050	< 0.050	< 0.150
H15989-24 SP9 @ 5 FT.	<0.050	< 0.050	< 0.050	< 0.150
Quality Control	0.051	0.045	0.046	0.156
True Value QC	0.050	0.050	0.050	0.150
% Recovery	102	90.0	92.0	104
Relative Percent Difference	3.1	0.2	0.2	0.2

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES/

lab Director

Date



Receiving Date: 09/26/08 Reporting Date: 09/29/08

Project Owner: CONOCO PHILLIPS
Project Name: EVGSAU 2437-001
Project Location: BUCKEYE, NM

LAB NUMBER SAMPLE ID

Analysis Date: 09/26/08 - 09/29/08

Sampling Date: 09/23/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

GRO DRO

(C₆-C₁₀) (>C₁₀-C₂₈) CI* (mg/kg) (mg/kg) (mg/kg)

		, , ,	, , ,	, , ,
H15989-1	SP1 @ SURFACE	<25.0	244	816
H15989-2	SP1 @ 2 FT.	<25.0	<25.0	4,400
H15989-3	SP1 @ 5 FT.	<25.0	<25.0	272
H15989-4	SP2 @ SURFACE	<25.0	<25.0	1,800
H15989-5	SP2 @ 2 FT.	<25.0	<25.0	< 16
H15989-6	SP3 @ SURFACE	<25.0	25.6	4,040
H15989-7	SP3 @ 2 FT.	<25.0	<25.0	608
H15989-8	SP3 @ 4 FT.	<25.0	<25.0	96
H15989-9	SP4 @ SURFACE	<25.0	223	1,680
H15989-10	SP4 @ 2 FT.	<25.0	<25.0	16
H15989-11	SP5 @ SURFACE	<25.0	2,620	2,360
H15989-12	SP5 @ 2 FT.	<25.0	<25.0	368
H15989-13	SP5 @ 3 FT.	<25.0	<25.0	48
H15989-14	SP6 @ SURFACE	<25.0	1,340	3,280
H15989-15	SP6 @ 2 FT.	<25.0	<25.0	2,360
Quality Cont	rol	563	496	500
True Value C	C	500	500	500
% Recovery		113	99.2	100
Relative Per	cent Difference	17.8	14.9	< 0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB *Analyses performed on 1:4 w:v aqueous extracts.

Chemis

H15989 TCL BBC

Date



Receiving Date: 09/26/08 Reporting Date: 09/29/08

Project Owner: CONOCO PHILLIPS Project Name: EVGSAU 2437-001 Project Location: BUCKEYE, NM Sampling Date: 09/23/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS D	ATE	09/27/08	09/27/08	09/29/08		
H15989-16	SP6 @ 4 FT.	<25.0	<25.0	144		
H15989-17	SP7 @ SURFACE	<25.0	95.3	1,710		
H15989-18	SP7 @ 2 FT	<25.0	<25.0	4,160		
H15989-19	SP7 @ 5 FT.	<25.0	<25.0	64		
H15989-20	SP8 @ SURFACE	<25.0	<25.0	< 16		
H15989-21	SP8 @ 2 FT.	<25.0	<25.0	< 16		
H15989-22	SP9 @ SURFACE	<25.0	558	3,200		
H15989-23	SP9 @ 2 FT.	<25.0	322	1,960		
H15989-24	SP9 @ 5 FT.	<25.0	<25.0	304		
Quality Contr	rol	551	441	490		
True Value C	C	500	500	500		
% Recovery		110	88.2	98.0		
Relative Per	cent Difference	12.4	19.0	2.0		

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB *Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H15989 TCL BBC

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abliene, TX 79603

Company Name	BBC Tot	ernational	470	(02	0,0	0-1	-		N In			LL TO	1,3 or 1					ANA	LYSI	SF	REQ	JES"	Г		
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City: 4665		State: MM Fax #1575 Project Owne	ZIp	8	82	42)		Attn:	-	. //	1													
)393-6388	Fax # 575	39	>-	039	7			Addr	ress	-	7.10	-							1					
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enalyses. All claims includin service. In no event shall Ge	g those for negligence and any ordinal be liable for Incidental o	y other cause whatscever shall be r consequental damages, includir	deemed g withou	limitat	i unless ion, busi	made li ness int	arrupi	ng and lions, lo	received se of us	d by Ca	rdinal w ss of pr	lithin 30 days afte ofits incurred by a	r completion of the	e application,	ie										
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Sampler - UPS	- Bus - Other:				I	Yes	P	Yes		11	14	3													
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

Company Name: BBC Interestina BILL TO Project Manager: CIFF Brusse P.O. #: Address: (324, W. Worker Company: City: Holds States St	
Address: /324, W. Morkind City: Holls State/M Zip: 30240 Attn: Phone # 575 393 6388 Fax # 575) 97 - 039 7 Address: Project #: Project Owner: Cone G M: // City: Project Name: EVES AU - 2137 - 000 State: Zip: Project Location: Buckeye Non Phone #: Sampler Name: Vota Ornals Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
City: Holds State MM Zip: Bold O Attn: Phone # 575 393-6388 Fax # 575) 97 - 0 39 7 Address: Project #: Project Owner: Cone G M: // City: Project Name: EVESAU - 2137 - 00 / State: Zip: Project Location: Buckeye MM Phone #: Sampler Name: / FF Ornals / Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
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Project Name: EVESAU - 2437 - 60 State: Zip: Project Location: Buckeye Non	
Project Location: Buckeye NM Phone #: Sampler Name: Aff Dendal Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
Sampler Name: 644 Drnagh Fax#: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D. WASTEWATER GROUNDWATER GROUNDWATE	
# CONTANERS GROUNDWATER SOIL OIL SLUDGE OTHER: ACIDIBASE: CHCO OTHER: ACIDIBASE: CHCO OTHER: ACIDIBASE: ACIDIB	
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HI5989-11 Sp5@ Surface Q 1 V 902-882:40 XXX	
-12 5p5 @ Z ft G 1 / X /27-63:04 X X	
-13 505@3ft GIX X 1 923-83:26 Y X X	
-10 5/6 @ 4ft G 1 X X 223.48 9:22 X X X	
-18 507 @ 544 G 1 X X 7.23.08 7.39 X X X	
-20 50 8 0 5, for a C 1 7 7 7.23.08 4:54 X X	
PLEASIE NOTE: Liabing and Dafrages. Cardnat's liability and clear's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including tribes for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinat within 30 days after completion of the applicable	
service. In no event shall Cardynal be kable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	
Rellinguished By: Date: Phone Result: Yes No Add'l Phone #:	
7:26-08 f Wh 8:45a Fax Result: Yes No Add' Fax #:	
REMARKS: Date: Received By: REMARKS:	l)
Time:	
Delivered By: (Circle One) Sample Condition CHECKED BY:	
Sampler - UPS - Bus - Other: Cool Intact (initials) Yes Yes No No	

[†] Cardinal cannot accept verbal changes. Please fax written changes to 506-393-2476

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abllene, TX 79603

Company Name	BBC 7	nternax	1000	1	110-	7001	T	1 (32		ILL TO						ANA	LYSI	SRE	EQUE	ST			
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antilyses. All claims includin	d Damages. Cardinal's liability a g those for negligence and any	other cause whatsoever shall I	e desmed wi	tived unis	se made	In writing	and re	paived by	Cardina	within 30 days afte	r completion of th	he applical	ble										
affiliates or successors arisin	rdinal be table for incidental or g out of or related to the perform	nance of services hersunder b	Cardinal, res	ardless o	f whethe	nterruption or such c	ns, loss aim is b	of use, o	or loss of on any of	profits incurred by a the above stated re	asons or otherwis	98.											
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emple In	Dute	Time	Depth	CI- Field	Oder	Appearan	•
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1 9643	1	12:22	1	1000	Slight	breeze	diet
spie 1		1:16	2	700	NONE	3 rous	diet
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SP304		1:59	4	175	NINE		dick
SP40 Sudace	9+23-01	1103	Surface	1800	NOWE		- dirt
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59402		2:25	2	150	NONE	5000	ea dirt
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pro 2		3:04	2	400	NOWE	bre	undirt
spre 3	3 7	3:26	3	150	NONE	broc	ea dirt
SP6 05 Jac	9-23-08	3:38	surface	2700	slight	6,00	a dirt
1601		3:57	1	1000	slight	6 000	· dirt
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11603		4:15	3	500	NONE	brow	eadiet
38404	212	4:22	4	175	NONE		dict
1P7e Surdoce	9-23-08	4:27	Surface	1300	Strong	brot	en dist
P701		4:32	1	2000	Slight	6.00	ea dint
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CONOCO PHILLIPS and BBC Meeting

Attendees:

John Gates, Conoco Phillips

Cliff Brunson, BBC

Ken Swinny, BBC

Geoffrey Leking, OCD-District I

November 24, 2008 - 10:00 AM

OCD-District I Offices

- 1) Elvis Battery Leak of 8 barrels of produced water took place. Most of the release was contained inside of the diked area. Samples displayed 800 mg/kg at the surface and 416 mg/kg at a depth of two feet. An existing liner was discovered while delineating the area of the release. The liner appears to be competent across the site. The continued use of the existing liner is deemed acceptable by OCD. The company was directed to describe the discovery of the liner on the initial and final C-141 forms.
- 2) Pipeline leak near well EVGSAU 1903-004 Oil /production water release consisting of 6 barrels of oil with 5 recovered and 12 barrels of produced water with 5 recovered. The source well is EVGSAU 2437-001. The 2-3' depth samples analyzed by the laboratory display chlorides of 2-3000 mg/kg. At a depth of 5' the chlorides drop below 100 mg/kg in laboratory analyzed samples. Field tests for chlorides indicate less than 500 mg/kg at depths below 3 feet. A 3' excavation depth is deemed acceptable by OCD.