



# 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.

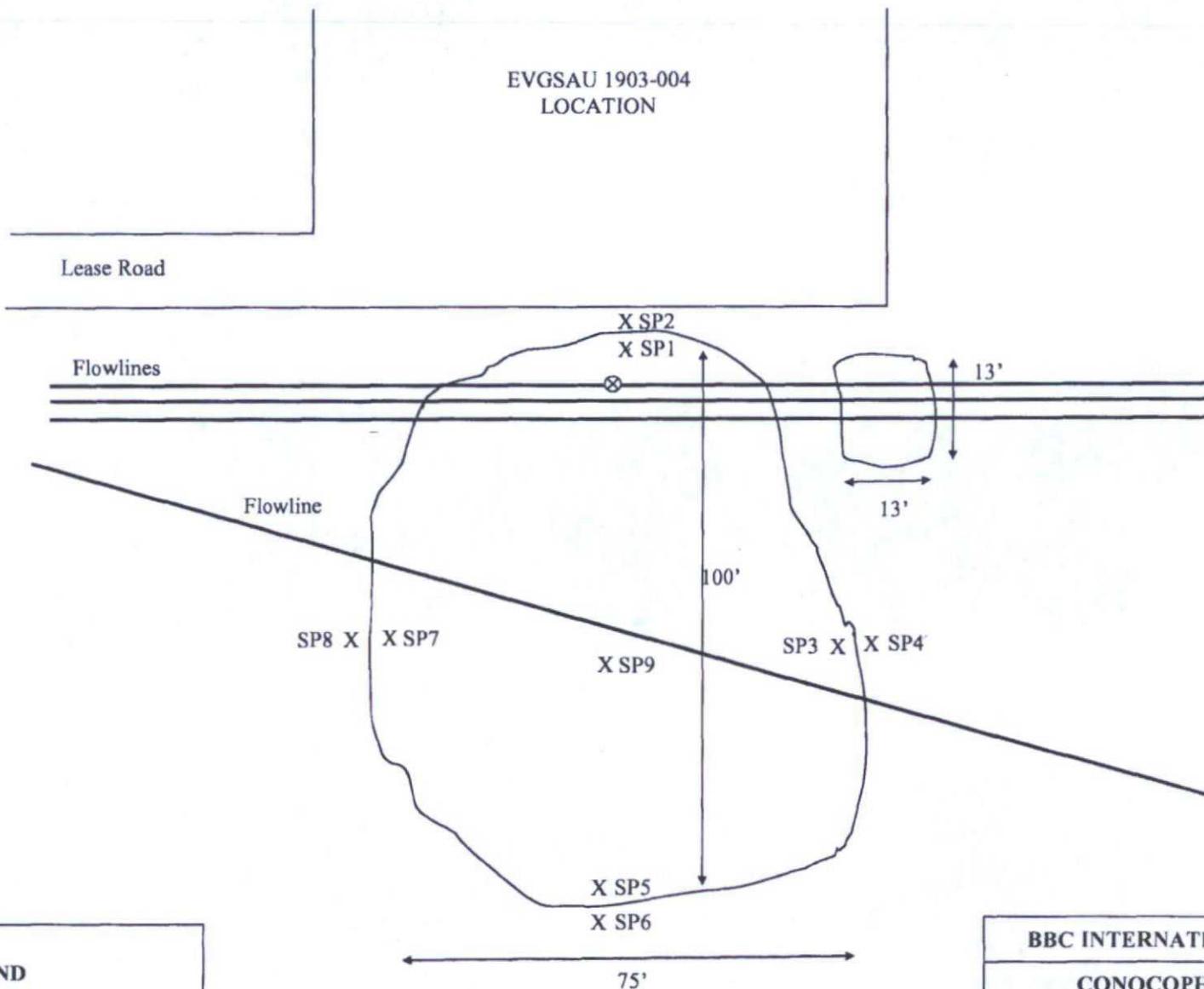


**App Number:** pGRL0824152176

**1RP - 1933**

**CONOCOPHILLIPS COMPANY**

# CONOCOPHILLIPS EVGSAU 2437-001 FLOWLINE



LEGEND	
X	Sample point
⊗	Leak Point

<b>BBC INTERNATIONAL, INC.</b>	
<b>CONOCOPHILLIPS EVGSAU 2437-001 FLOWLINE</b>	
Date: 11-17-08	Drawn By: JG
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

1923

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO (575) 397-0397

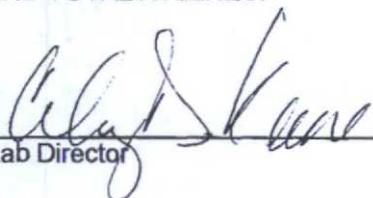
Receiving Date: 09/26/08  
Reporting Date: 09/29/08  
Project Owner: CONOCO PHILLIPS  
Project Name: EVGSAU 2437-001  
Project Location: BUCKEYE, NM

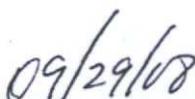
Analysis Date: 09/26/08 - 09/29/08  
Sampling Date: 09/23/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: ZL

LAB NUMBER	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 Director

  
\_\_\_\_\_  
Date

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO (575) 397-0397

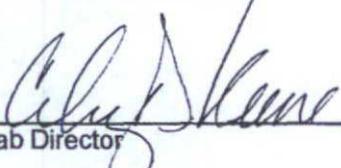
Receiving Date: 09/26/08  
Reporting Date: 09/29/08  
Project Owner: CONOCO PHILLIPS  
Project Name: EVGSAU 2437-001  
Project Location: BUCKEYE, NM

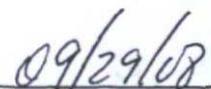
Analysis Date: 09/26/08 - 09/29/08  
Sampling Date: 09/23/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (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	<0.050	<0.150
H15989-16	SP6 @ 4 FT.	<0.050	<0.050	<0.050	<0.150
H15989-17	SP7 @ SURFACE	<0.050	<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

ANALYTICAL RESULTS FOR  
 BBC INTERNATIONAL  
 ATTN: CLIFF BRUNSON  
 P.O. BOX 805  
 HOBBS, NM 88241  
 FAX TO (575) 397-0397

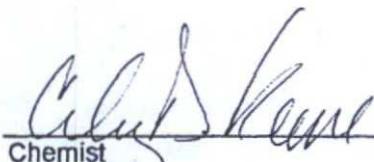
 Receiving Date: 09/26/08  
 Reporting Date: 09/29/08  
 Project Owner: CONOCO PHILLIPS  
 Project Name: EVGSAU 2437-001  
 Project Location: BUCKEYE, NM

 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: AB/HM

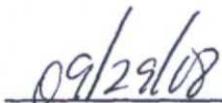
LAB NUMBER	SAMPLE ID	GRO	DRO	Cl*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	(mg/kg)
H15989-1	SP1 @ SURFACE	<25.0	244	816
H15989-2	SP1 @ 2 FT.	<25.0	<25.0	4,400
H15989-3	SP1 @ 5 FT.	<25.0	<25.0	272
H15989-4	SP2 @ SURFACE	<25.0	<25.0	1,800
H15989-5	SP2 @ 2 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 Control		563	496	500
True Value QC		500	500	500
% Recovery		113	99.2	100
Relative Percent Difference		17.8	14.9	< 0.1

METHODS: TPH GRO &amp; DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl/B

\*Analyses performed on 1:4 w:v aqueous extracts.


 Chemist

H15989 TCL BBC


 Date



# ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO (575) 397-0397

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

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	Cl* (mg/kg)
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ANALYSIS DATE	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 Control	551	441	490
True Value QC	500	500	500
% Recovery	110	88.2	98.0
Relative Percent Difference	12.4	19.0	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

\*Analyses performed on 1:4 w:v aqueous extracts.

  
\_\_\_\_\_  
Chemist

09/29/08  
\_\_\_\_\_  
Date

H15989 TCL BBC

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 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>BBC International</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: <b>Cliff Brunson</b>		P.O. #:													
Address: <b>1324 W. Marland</b>		Company:													
City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88240</b>		Attn: <b>JAME</b>													
Phone #: <b>(575) 393-6388</b> Fax #: <b>(575) 397-0397</b>		Address:													
Project #: Project Owner: <b>Conoco Phillips</b>		City:													
Project Name: <b>EVGJAH 2437-001</b>		State: Zip:													
Project Location: <b>Buckeye, NM</b>		Phone #:													
Sampler Name: <b>John Dene/af</b>		Fax #:													

FOR LAB USE ONLY		GRAB OR (COMPI. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		CHLORIDES	BTEX	TPH	8015m
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :				
H15989-1	Sp1 @ Surface	G 1			X				X		9-23-08	9:00	X	X	X
-2	Sp1 @ 2 ft	G 1			X				X		9-23-08	9:41	X	X	X
-3	Sp1 @ 5 ft	G 1			X				X		9-23-08	10:44	X	X	X
-4	Sp2 @ Surface	G 1			X				X		9-23-08	10:59	X	X	X
-5	Sp2 @ 2 ft	G 1			X				X		9-23-08	11:35	X	X	X
-6	Sp3 @ Surface	G 1			X				X		9-23-08	11:56	X	X	X
-7	Sp3 @ 2 ft	G 1			X				X		9-23-08	1:16	X	X	X
-8	Sp3 @ 4 ft	G 1			X				X		9-23-08	1:59	X	X	X
-9	Sp4 @ Surface	G 1			X				X		9-23-08	2:03	X	X	X
-10	Sp4 @ 2 ft	G 1			X				X		9-23-08	2:25	X	X	X

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Relinquished By:	Date: <b>9-26-08</b>	Received By:	Time: <b>8:00</b>	8:45a	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Date:		Time:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
REMARKS:						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>BBC International</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: <b>Cliff Brunson</b>		P.O. #:		CHLORIDES BTEX TPH POLYAR											
Address: <b>1324 W. Marland</b>		Company:													
City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88240</b>		Attn: <b>[Signature]</b>													
Phone #: <b>(575) 393-6388</b> Fax #: <b>(575) 397-0397</b>		Address:													
Project #: _____ Project Owner: <b>Conoco Phillips</b>		City:													
Project Name: <b>EVESAU - 2137 - 001</b>		State: _____ Zip: _____													
Project Location: <b>Buckeye, NM</b>		Phone #:													
Sampler Name: <b>Veff Donald</b>		Fax #:													

Lab I.D.	Sample I.D.	(GIRAB OR (C)OMP. # CONTAINERS	MATRIX							PRESERV.		SAMPLING		DATE	TIME							
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :											
H15989-11	Sp5 @ Surface	G 1			✓					✓			9-21-08	2:40	X	X	X					
-12	Sp5 @ 2ft	G 1			✓					X			9-23-08	3:09	X	X	X					
-13	Sp5 @ 3ft	G 1			X					X			9-23-08	3:26	✓	X	X					
-14	Sp6 @ Surface	G 1			X					X			9-23-08	3:38	X	✓	X					
-15	Sp6 @ 2ft	G 1			X					X			9-21-08	8:08	X	✓	X					
-16	Sp6 @ 4ft	G 1			X					X			9-23-08	9:22	X	X	X					
-17	Sp7 @ Surface	G 1			X					X			9-23-08	9:27	X	X	X					
-18	Sp7 @ 2ft	G 1			X					X			9-23-08	9:39	✓	✓	X					
-19	Sp7 @ 5ft	G 1			X					X			9-23-08	9:52	X	✓	X					
-20	Sp8 @ Surface	G 1			✓					X			9-23-08	9:54	X	✓	X					

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Relinquished By:	Date: <b>9-26-08</b>	Received By:	Time: <b>8:45a</b>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <b>8:00</b>		Time: _____	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: _____	Date: _____	Received By: _____	Time: _____	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>UCRB</b>			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name: <b>ABC International</b>	<b>BILL TO</b>	<b>ANALYSIS REQUEST</b>
Project Manager: <b>Cliff Brunson</b>	P.O. #:	
Address: <b>1324 W Marland</b>	Company:	
City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88240</b>	Attn: <b>LAKE</b>	
Phone # <b>(575) 377-6350</b> Fax # <b>(575) 377-0397</b>	Address:	
Project #: Project Owner: <b>Canda Phillips</b>	City:	
Project Name: <b>EPESHU - 2437-001</b>	State: Zip:	
Project Location: <b>Buckeye, NM</b>	Phone #:	
Sampler Name: <b>John O'Neil</b>	Fax #:	

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	CHLORIDES	BTEX	TPH	PAHs
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :							
H15989-21	Sp 8 @ 2ft	G	1			X				X			9/23/08	4:58	X	X	X		
-22	Sp 9 @ Surface	G	1			X				X			9/23/08	5:00	X	X	X		
-23	Sp 9 @ 2ft	G	1			X				X			9-23-08	5:11	X	X	X		
-24	Sp 7 @ 5ft	G	1			X				X			9-23-08	5:26	X	X	X		

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Relinquished By:	Date: <b>9-26-08</b>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <b>8:00</b>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>MCAB</b>			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

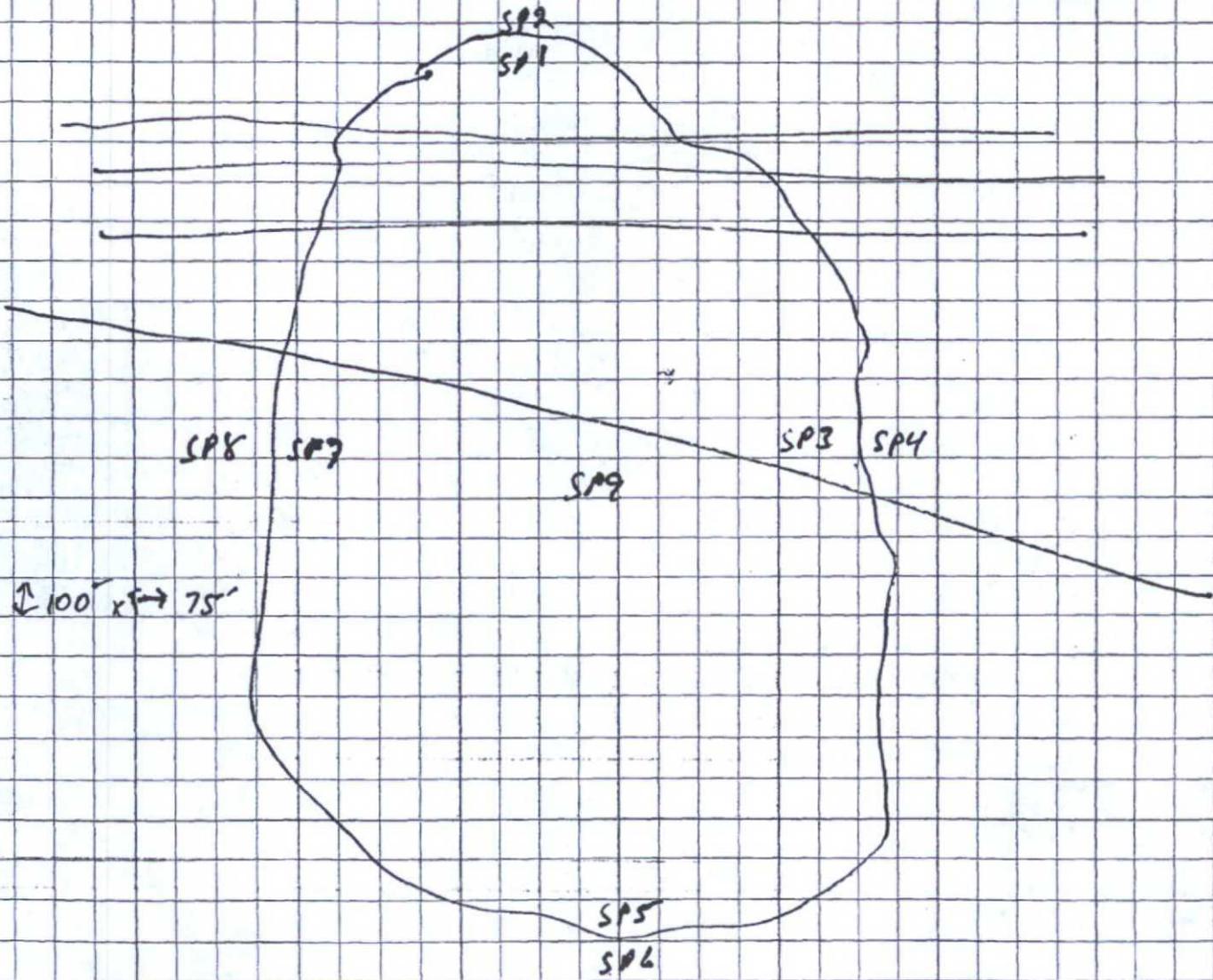
ConocoPhillips EVGSAU-2437-001 flowline 9-23-08

Sample ID	Date	Time	Depth	CI Field	Odor	Appearance
SP1 @ Surface	9-23-08	9:00	Surface	1550	slight	dark stain / brown dirt
SP1 @ 1		9:20	1	2500	slight	stain / brown dirt
SP1 @ 2		9:41	2	3475	NONE	brown dirt
SP1 @ 3		10:02	3	475	NONE	brown dirt
SP1 @ 4		10:23	4	400	NONE	Tan dirt
SP1 @ 5		10:44	5	200	NONE	Tan dirt
SP2 @ Surface	9-23-08	10:59	Surface	1100	NONE	brown dirt
SP2 @ 1		11:18	1	350	NONE	brown dirt
SP2 @ 2		11:35	2	200	NONE	brown dirt
SP3 @ Surface	9-23-08	11:54	Surface	1200	slight	brown dirt
SP3 @ 1		12:22	1	1000	slight	brown dirt
SP3 @ 2		1:16	2	700	NONE	brown dirt
SP3 @ 3		1:36	3	450	NONE	brown dirt
SP3 @ 4		1:59	4	175	NONE	brown dirt
SP4 @ Surface	9-23-08	2:03	Surface	1800	NONE	brown dirt
SP4 @ 1		2:13	1	625	NONE	brown dirt
SP4 @ 2		2:25	2	150	NONE	brown dirt
SP5 @ Surface	9-23-08	2:40	Surface	2000	strong	brown dirt
SP5 @ 1		2:52	1	2075	slight	brown dirt
SP5 @ 2		3:04	2	400	NONE	brown dirt
SP5 @ 3		3:26	3	150	NONE	brown dirt
SP6 @ Surface	9-23-08	3:38	Surface	2300	slight	brown dirt
SP6 @ 1		3:57	1	2000	slight	brown dirt
SP6 @ 2		4:08	2	1800	NONE	brown dirt
SP6 @ 3		4:15	3	500	NONE	brown dirt
SP6 @ 4		4:22	4	175	NONE	brown dirt
SP7 @ Surface	9-23-08	4:27	Surface	1300	strong	brown dirt
SP7 @ 1		4:32	1	2000	slight	brown dirt
SP7 @ 2		4:39	2	4000	NONE	brown dirt
SP7 @ 3		4:44	3	375	NONE	brown dirt
SP7 @ 4		4:48	4	300	NONE	brown dirt

ConocoPhillips EUGSAU - 001 flowline

9-23-08

Sample ID	Date	TIME	Depth	CI Field	Odor	Appearance
SP7@5'	9-23-08	4:52	5'	200	NONE	brown dirt
SP8@surface	9-23-08	4:54	Surface	300	NONE	brown dirt
SP8@1	"	4:56	1	200	NONE	brown dirt
SP8@2	"	4:58	2	150	NONE	brown dirt
SP9@Surface	9-23-08	5:00	Surface	2150	Strong	brown dirt
SP9@1		5:05	1	1800	Strong	brown dirt
SP9@2		5:11	2	1800	Slight	brown dirt
SP9@3		5:16	3	400	NONE	brown dirt
SP9@4		5:24	4	<del>300</del> 350	NONE	brown dirt
SP9@5		5:26	5	250	NONE	brown dirt



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.