



CONOCOPHILLIPS

EVGSAU WELL #3202-015 (8-23-04)

ENVIRONMENTAL SITE INVESTIGATION

PERFORMED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(505)397-6388 • FAX (505)397-0397
EMAIL: bbc@bbcinternational.com
WEBSITE: www.bbcinternational.com

November 4, 2004

PREPARED FOR:

MR. STEPHEN R. WILSON
CONOCOPHILLIPS
29 VACUUM COMPLEX RD.
LOVINGTON, NEW MEXICO 88260-9613

Incident - nPAC 0605540108
Application - pPAC 0605540342

ConocoPhillips

EVGSAU Well #3202-015

8-23-04

1.0 INTRODUCTION

The subject site is located east of Buckeye, New Mexico in Unit Letter H, of Section 32, Township 17 South, and Range 35 East. The site consists of undeveloped rangeland and petroleum production facilities. On August 23, 2004, a ¼ inch gauge in a valve on the wellhead of well #3202-015 backed out and leaked approximately 2.5 bbls of oil and 6.5 bbls of water with approximately 2 bbls of oil and 6 bbls of water being recovered.

2.0 SITE CHARACTERIZATION

The leak area runs west to east from the wellhead across the well location and along the road. The impacted area measures approximately 312 feet in length. The area around the wellhead is approximately 30 feet wide by 30 feet long which narrows to 12 feet by 50 feet, then for 220 feet it narrows to approximately 5 feet wide, at the east end of the leak is an area approximately 30 feet long by 12 feet wide. A sketch of the leak area including the sample points can be reviewed in Appendix II of this report. Photographs of the site can be reviewed in Appendix III of this report. The surface soil is mostly caliche with some brown topsoil. There is no water source within 1,000 feet of the site. There is no surface water within 1,000 feet of the site. Based on data from the New Mexico Office of the State Engineer, there are no recorded water wells located in Section 32, Township 17 South, and Range 35 East. The bedrock in the Buckeye area is very shallow and at this site it is approximately one foot below the surface of the topsoil.

3.0 SITE INVESTIGATION ACTIVITIES

On October 18, 2004, BBC personnel conducted an inspection of the site. Two samples were taken, both at a depth of approximately 1 foot. Sample Point 1 was taken from the west end of the leak site and Sample Point 2 was taken from the east end of the leak site. The samples were taken to Cardinal Laboratories and analyzed for BTEX, TPH (GRO and DRO), and Chlorides. Laboratory analysis for SP1-1' is: GRO – non detect, DRO – 165 ppm, Chlorides – 3280 ppm, Benzene – non detect, Toluene – non-detect, Ethyl Benzene – 0.006 ppm, and Total Xylenes – 0.016 ppm. Laboratory analysis for SP2-1' is: GRO – 10.6 ppm, DRO – 750 ppm, Chlorides – 5120 ppm, Benzene – non detect, Toluene – non-detect, Ethyl Benzene – 0.022 ppm, and Total Xylenes - 0.047 ppm.

Laboratory analytical results for this sampling event can be reviewed in Appendix I of this report and the sample point locations can be seen in the site diagram located in Appendix II of this report.

4.0 CONCLUSION AND RECOMMENDATION

The laboratory data for this site indicates that TPH and BTEX concentrations are below OCD guidelines for areas where depth to groundwater is greater than 50 feet, and the area of greatest chloride contamination is in the near surface portion of the leak area. Taking into consideration that the depth to groundwater in the area is greater than 50 feet and the existence of the rock layer at a depth of approximately one foot below ground surface, the evidence indicates that the migration of contamination to groundwater is unlikely. Therefore it is recommended that the impacted caliche on the well pad and the lease road be removed and disposed of. This soil would be transported to an OCD approved landfarm or disposal site.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips	Contact Stephen Wilson
Address HC60 Box 66, Lovington, NM	Telephone No. 505-396-7962
Facility Name East Vac San Andres Unit	Facility Type Oil and Gas

Surface Owner State of NM	Mineral Owner	Lease No 30-025-02969
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LOCATION OF RELEASE

Unit Letter H	Section 32	Township 17S	Range 35E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude N 32° 47.159' Longitude W 103° 28.656'

NATURE OF RELEASE

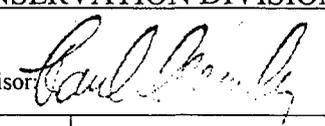
Type of Release Oil and Produced water	Volume of Release 9bbl (2.5oil, 6.5water)	Volume Recovered (2oil, 6water)
Source of Release gauge in 1/4" valve vibrated from choke	Date and Hour of Occurrence 08-23-04 7:31am	Date and Hour of Discovery 08-23-04 7:31am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Gauge in 1/4" valve backed out due to vibration from choke. Picked up free liquids and spread sand

Describe Area Affected and Cleanup Action Taken.*
12' x 180' of caliche pad and caliche road. A vacuum truck and crew dispatched to pick up free liquid. caliche will be dug up and replaced with new caliche. The weather was clear and dry at the time of the leak with no cattle present A determination will be made as to the need for any further action. If further action is deemed necessary a follow up report will be filed.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Stephen R. Wilson	Approved by District Supervisor 	
Title: Sr. SHEAR Specialist	Approval Date: 1-6-05	ENVIRONMENTAL ENGINEER
E-mail Address: Stephen.R.Wilson@ConocoPhillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 08-26-04 Phone: 505-396-7962		

* Attach Additional Sheets If Necessary



PHONE (505) 397-6388 • FAX (505) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: bbc@bbcinternational.com

January 3, 2004

Paul Sheeley
NM Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

**RE: ConocoPhillips – EVGSAU Well #3202-015 Leak (8-23-04)
Unit Letter H, Section 32, Township 17 South, Range 35 East**

Dear Mr. Sheeley:

BBC International, Inc. respectfully submits this site investigation report for the EVGSAU Well # 3202-015 Leak on behalf of ConocoPhillips.

This site is an area that was investigated due to a wellhead valve leak that occurred on August 23, 2004. Approximately 2.5 barrels of oil and 6.5 barrels of produced water was released with 2 barrels of oil and 6 barrels of water recovered.

The investigation and sampling was conducted on October 18, 2004. The data indicates that the area of greatest contamination is in the upper portion of the leak area. Since the depth to groundwater in the area is greater 50 feet and there is a rock layer at approximately one foot below ground surface, it is recommended that approximately one foot of caliche be removed and disposed of at an OCD approved disposal facility or landfarm, and the site closed.

I look forward to your review of this report and the agreement to our recommendation. If you have any questions, please do not hesitate to contact me at (505)397-6388, by email at kswinney@bbcinternational.com, or at the address above.

Sincerely,

BBC International, Inc.

Ken Swinney, CEI, CRS
Director of Operations

KS:jg

encl.



Permian Basin Asset

Record of Accidental Discharge of Crude Oil, Water or Hazardous Substances

Lease: EVGASA Well # 3202-015		Lease # 30-025-02969 (API, RRC, State, or Federal)		Field: Buckeye	
Discovered By: Malcolm Cox			Date and Time Discovered: 8-23-04 @ 7:30am		
Date and Time Discharge Began: 8-23-04 @ 7:00am			Date and Time Discharge Ended: 8-23-04 @ 7:31am		
Discharge Site: Unit Letter Sec. 32 Blk/TWP 17S Survey/Range 35E County/State: Lea, New Mexico					
Latitude N32 47.159 Longitude W103 28.656					
Highway Map Location: 1.7 miles east of Buckeye store, turn south and go 1 mile to location					
Location Of Discharge: Wellhead of 3202-015				<input type="checkbox"/> Flowline ----- Feet to Nearest Wellhead Number	
				<input type="checkbox"/> Injection. Line Feet to Nearest Wellhead Number	
Specific Source of Discharge: 1/4" valve on choke on wellhead					
Describe Cause of Discharge : gauge in 1/4" valve backed out due to vibration from choke					
Actions taken to Prevent Reoccurrence: installed new gauge tighter					
Describe Nature and Extent of Area Affected: 12' x 180' Lease Road					
Weather Conditions: Clear and Dry					
Clean-Up Action Taken: Vacuum truck picked up free standing liquid. Backhoe cleaned up location and road.					
Remediation Action Taken: A determination will be made as to the need for any further action. If further action is deemed necessary a follow up report will be filed. No cattle in the area.					
Specific Source of Discharge			Possible Reasons For Failure		
<input type="checkbox"/> Flowline <input type="checkbox"/> Tank Piping <input type="checkbox"/> Vessel Piping <input type="checkbox"/> Line Check Valve <input type="checkbox"/> Wellhead Connections <input type="checkbox"/> Tank			<input type="checkbox"/> Pump <input type="checkbox"/> Vessel <input type="checkbox"/> Chemical Storage Container <input type="checkbox"/> Chemical Injection Equipment <input type="checkbox"/> Casing/Tubing Communication <input checked="" type="checkbox"/> Other: 1/4 valve		
			<input type="checkbox"/> Corrosion <input type="checkbox"/> External <input type="checkbox"/> Internal <input type="checkbox"/> Fatigue <input type="checkbox"/> Age		
			<input type="checkbox"/> Human Error <input type="checkbox"/> Pressure <input type="checkbox"/> Instrumentation <input type="checkbox"/> Mechanical <input type="checkbox"/> Weather		
Cost of Cleanup/Repair:					
Pipe Size = _____ inches					
<input type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Transite		<input type="checkbox"/> Buried <input type="checkbox"/> Surface <input type="checkbox"/> Bare		<input type="checkbox"/> Coated <input type="checkbox"/> Internal <input type="checkbox"/> External <input type="checkbox"/> Cement Lined	
				<input type="checkbox"/> Plastic Lined <input type="checkbox"/> Fiberglass <input type="checkbox"/> Was Line Chemically Treated <input type="checkbox"/> Other	
Names and Volumes of Substances Spilled			Remedial Action Picked Up		
2.5 BBL Oil 6.5 BBL Produced Water			2 BBL Oil 6 BBL Produced Water		
Gallons Chemical Spilled			Gallons Chemical		
Gas Volume Released (MCF)			<input type="checkbox"/> Gas Leak <input type="checkbox"/> Blowdown <input type="checkbox"/> Upset		
Other - Explain:					
Federal, State, and Local Agencies Notified:				Job Number	
Agency	Person Notified	Date and Time Notified	Method Used		Person Notifying
NMOCD		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
		@	<input type="checkbox"/> Phone	<input type="checkbox"/> Fax	
Landowner/Tenant:				Telephone No.	
I Hereby Certify That The Above Information Is True To The Best Of My Knowledge.					
Name and Title:					

Appendix I



ARDINAL
LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 10/18/04
Reporting Date: 10/20/04
Project Owner: CONOCO PHILLIPS
Project Name: EVGSAU WELL #3202-015
Project Location: BUCKEYE, NM

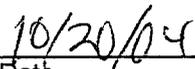
Sampling Date: 10/18/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		10/19/04	10/19/04	10/20/04
H9253-1	SP1-1'	<10.0	165	3280
H9253-2	SP2-1'	10.6	750	5120
Quality Control		749	776	1000
True Value QC		800	800	1000
% Recovery		93.6	97.0	100
Relative Percent Difference		2.5	4.8	5.0

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

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


Chemist


Date

H9253A.XLS

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 10/18/04
Reporting Date: 10/20/04
Project Owner: CONOCO PHILLIPS
Project Name: EVGSAU WELL #3202-015
Project Location: BUCKEYE, NM

Sampling Date: 10/18/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/19/04	10/19/04	10/19/04	10/19/04
H9253-1	SP1-1'	<0.005	<0.005	0.006	0.016
H9253-2	SP2-1'	<0.005	<0.005	0.022	0.047
Quality Control		0.098	0.100	0.104	0.322
True Value QC		0.100	0.100	0.100	0.300
% Recovery		98.1	99.9	104	107
Relative Percent Difference		4.9	2.6	6.3	7.3

METHOD: EPA SW-846 8260

Burgess J. DeLoe

Chemist

10/20/04

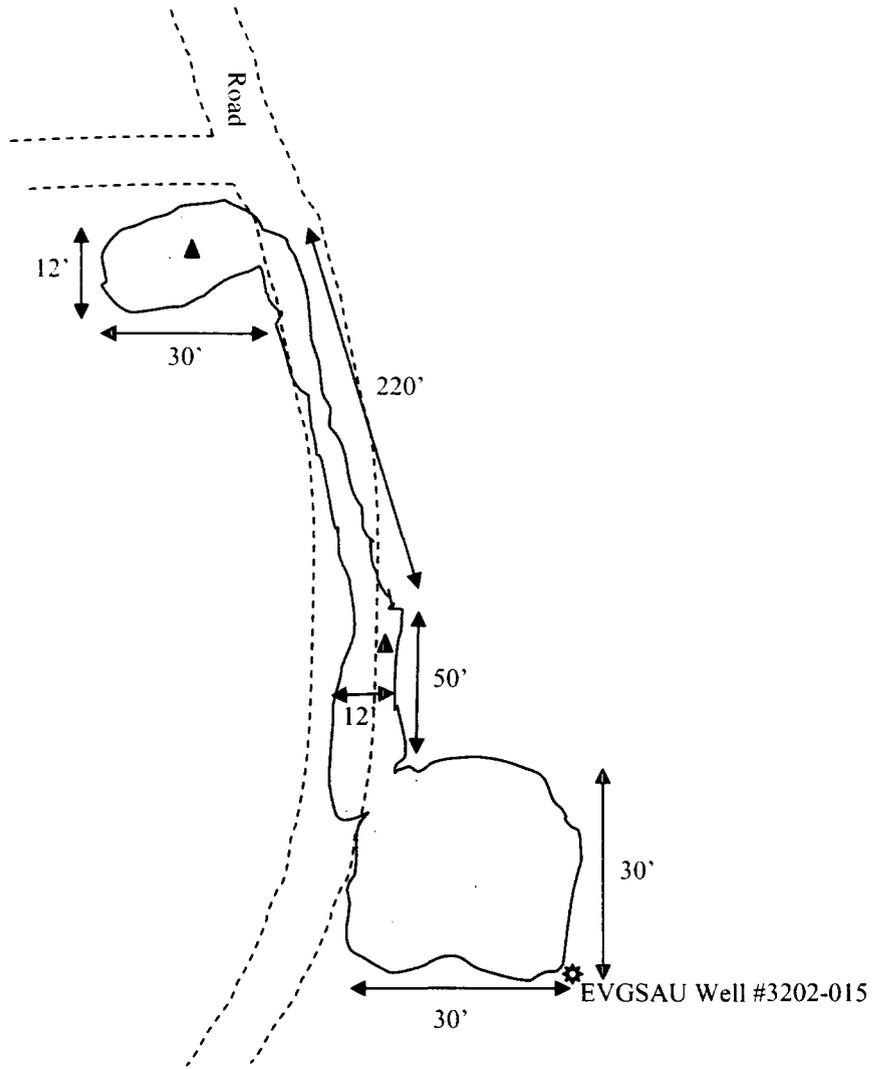
Date

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Appendix II

CONOCOPHILLIPS

EVGSAU WELL # 3202-015



LEGEND

- Well Head
- Sample Point
- Contaminated Area

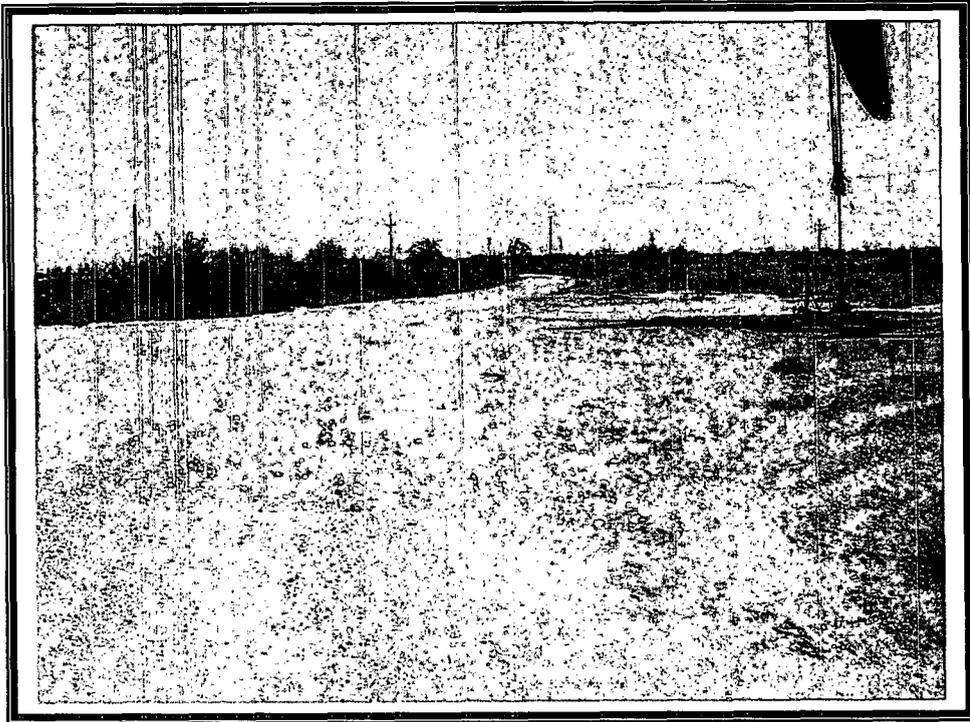
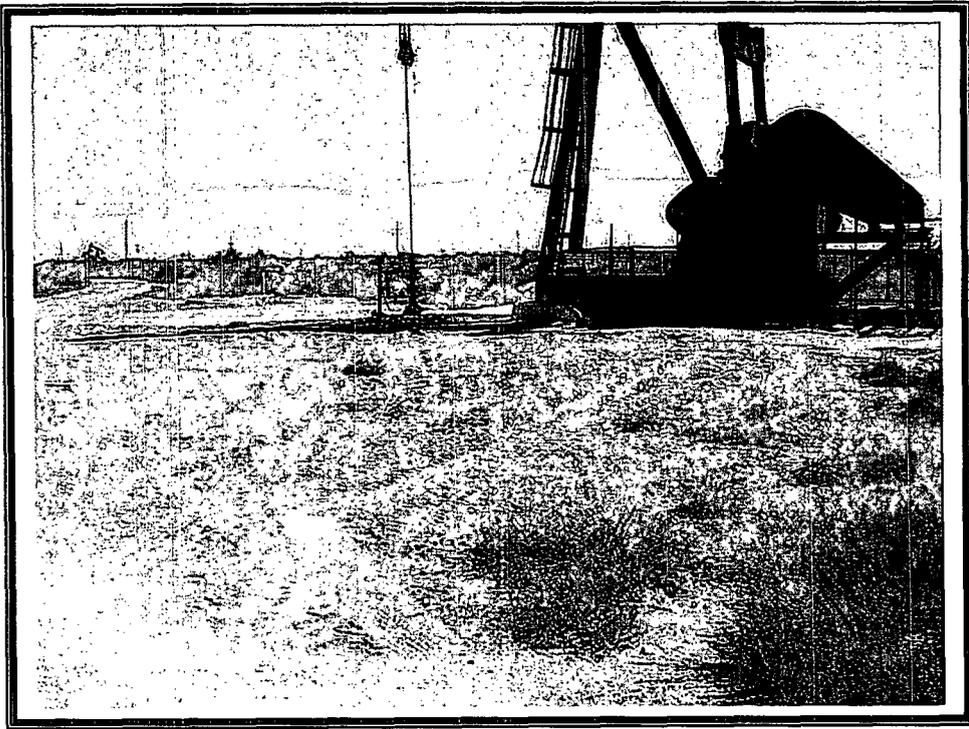
BBC INTERNATIONAL, INC.

CONOCOPHILLIPS

Date: 10-19-04	Drawn By: JG
Disk:	Sheet of Sheets
Scale: Not to Scale	File Name State E SWD

Appendix III

Leak 8-23-04



Leak 8-23-04

