



CONOCOPHILLIPS

EVGSAU 3" FLOWLINE LEAK *Well #1*

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
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JANUARY 15, 2004

PREPARED FOR:

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

*Conoco Phillips
incident - n PAC06055 48324
Application - p PAC06055 48569*



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

February 11, 2004

Conoco Phillips
29 Vacuum Complex Rd.
Lovington, NM 88260

Re: Work Plan Approval
EVGSAU #3 Flow Line Leak - Dated: January 15, 2004
UL-I, Sec 32-T18S-R35E

The remediation work plan referenced above and submitted to the New Mexico Oil Conservation Division (OCD) for ConocoPhillips by BBC is **hereby approved** with the following conditions:

1. ConocoPhillips shall perform chloride testing and include concentration levels in the final closure proposal.
2. ConocoPhillips shall monitor spray over area into the summer to ensure the location resumes a productive state and remediate if not.
3. ConocoPhillips shall remove all visibly stained material that is reasonably accessible near sample point 1.
4. ConocoPhillips shall submit photos of the leak and the repaired line. How many clamps are there?
5. ConocoPhillips shall notify OCD at least 48-hr. prior to closure sampling or backfilling.

Please be advised that OCD approval of this plan does not relieve ConocoPhillips of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. In addition, OCD approval does not relieve ConocoPhillips of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail: psheeeley@state.nm.us

Sincerely,

Paul Sheeley-Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief
Chris Williams - District I Supervisor
William Olson - OCD Hydrologist
Larry Johnson - Environmental Engineer
Ken Swinny - BBC

ConocoPhillips EVGSAU

3" Flowline Leak

10-30-03

1.0 INTRODUCTION

The subject site is located east of Buckeye, New Mexico in Unit Letter I, of Section 32, Township 18 South, and Range 35 East. The site consists of undeveloped rangeland and petroleum production facilities. On October 30, 2003, the 3" flowline from well #3202-021 leaked approximately 40 bbls of oil and 5 bbls of water with approximately 35 bbls of oil and 3 bbls of water being recovered.

2.0 SITE CHARACTERIZATION

The leak area measures approximately 120 feet by 54 feet with an additional area of oil-sprayed vegetation of 30,755 square feet. A sketch of the leak area including the sample points can be reviewed in Appendix II of this report. The surface soil is 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 is one water well located in Section 32, Township 18 South, and Range 35 East. The groundwater depth in this well is 58 feet. 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 November 5, 2003, BBC personnel conducted an inspection of the site. Four samples were taken at the site. Three samples were taken at a depth of one foot in the area where the liquid pooled and one sample was taken at 3 inches in the area where the vegetation was sprayed. Laboratory results are located in Appendix I of this report. Sample point locations can be reviewed on the site diagram in Appendix II of this report.

4.0 CONCLUSION AND RECOMMENDATION

The laboratory data for this site shows only one sample point to be above OCD guidelines for sites with groundwater depths greater than 50 feet. The TPH concentration at Sample Point 1 is 162 ppm for GRO and 2,310 ppm for DRO. Sample Point 1 is the nearest sample point to the leak point. The TPH

concentrations drop significantly as the sample points move away from the leak point. All other samples have TPH concentrations well below OCD guidelines. Laboratory results are located in Appendix I of this report. Taking into consideration that the depth to groundwater 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 migration of hydrocarbons to groundwater is unlikely. Therefore, it is recommended that only surface remediation be conducted. This would consist of plowing and discing the soil and the addition of soil amendments such as fertilizer or humate to boost microbial action on the hydrocarbons and allow for revegetation of the 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 Vacuum Grayberg San Andres Unit	Facility Type Oil and Gas

Surface Owner State of NM	Mineral Owner	Lease No 30-025-26227-00-00
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	32	17S	35E					Lea

Latitude Longitude

NATURE OF RELEASE

Type of Release Oil and Water	Volume of Release 45bbl (40oil, 5water)	Volume Recovered (35oil, 3water)
Source of Release FFlowline from well #3202-021	Date and Hour of Occurrence 10-30-03 1:30am	Date and Hour of Discovery 10-30-03 7:30am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Sylvia Dickey	
By Whom? Kenny Kidd	Date and Hour 10-30-03 2:00pm	
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.*

Describe Cause of Problem and Remedial Action Taken.*

3" flowline developed a leak on top of line due to external corrosion. Replace 5 joints flowline with new external coated flowline

Describe Area Affected and Cleanup Action Taken.*

Pooled liquid was picked up with vacuum truck and spread sand. The wind was blowing +/- 35 mph during the discharge causing oil film to collect on the West side of vegetation. Liquids pooled in a area of 120' x 54' and 30,735 sq/ft of sprayed vegetation. 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. Windy conditions and no cattle in the area.

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.

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

* Attach Additional Sheets If Necessary



Permian Basin Business Unit

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

Lease: EVGASA		Lease # 30-025-26227-00-00 (API, RRC, State, or Federal)		Field: Grayburg-SA	
Discovered By: Gilberts Roustabout			Date and Time Discovered: 10-30-03 @ 7:30am		
Date and Time Discharge Began: 10-30-03 @ 1:30am			Date and Time Discharge Ended: 10-30-03 @ 7:40am		
Discharge Site:		Unit Letter I Sec. 32 Blk/TWP 17S Survey/Range 35E County/State: Lea, New Mexico			
Highway Map Location: One mile west of Buckeye office on CR50. Turn South through cattle guard stay right to Satlite #3.					
Location Of Discharge: Satellite #3				<input checked="" type="checkbox"/> Flowline ----- 200' SW Feet to Nearest Wellhead Number 3202-021 <input type="checkbox"/> Injection. Line Feet to Nearest Wellhead Number	
Specific Source of Discharge: Flowline					
Describe Cause of Discharge : External Corrosion					
Actions taken to Prevent Reoccurrence: Replace 5 joints of 3' flowline with new external coated pipe					
Describe Nature and Extent of Area Affected: 120' x 54' Pasture					
Clean-Up Action Taken: Vacuum truck out to pick up free liquids and spread sand. No cattle present.					
Specific Source of Discharge			Possible Reasons For Failure		
<input checked="" 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 checked="" type="checkbox"/> Corrosion <input checked="" type="checkbox"/> External <input type="checkbox"/> Internal <input type="checkbox"/> Fatigue <input checked="" type="checkbox"/> Age		
<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 type="checkbox"/> Other:			<input type="checkbox"/> Human Error <input type="checkbox"/> Pressure <input type="checkbox"/> Instrumentation <input type="checkbox"/> Mechanical <input type="checkbox"/> Weather		
Pipe Size = 3" inches					
<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Transite					
<input checked="" 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			
40 BBL Oil 5 BBL Produced Water		35 BBL Oil 3 BBL Produced Water		Contained in Dike? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Gallons Chemical Spilled		Gallons Chemical		MFG/Chemical Name:	
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:					
Agency	Person Notified	Date and Time Notified	Method Used		Person Notifying
NMOCD	Sylvia Dickey	10-30-03 @ 2:00pm	<input checked="" type="checkbox"/> Phone <input type="checkbox"/> Fax		Kenny Kidd
		@	<input type="checkbox"/> Phone <input type="checkbox"/> Fax		
		@	<input type="checkbox"/> Phone <input type="checkbox"/> Fax		
Landowner/Tennant:			Telephone No.		
I Hereby Certify That The Above Information Is True To The Best Of My Knowledge.					
Name and Title: Kenny Kidd					
Date: 10-31-03					

APPENDIX I

Laboratory Analytical Results
November 2003

EVGSAU 3" Flowline Leak
Buckeye, New Mexico

Prepared for:
ConocoPhillips
Lovington, New Mexico

2003

Prepared by:
BBC International, Inc.



ARDINAL LABORATORIES

PHONE (325) 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: 11/05/03
Reporting Date: 11/07/03
Project Owner: CONOCO PHILLIPS
Project Name: 2.5" FLOWLINE LEAK
Project Location: BUCKEYE, NM

Sampling Date: 11/05/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		11/05/03	11/05/03	11/05/03	11/05/03	11/05/03	11/05/03
H8142-1	SAMPLE POINT1-1'	162	2310	0.028	1.18	2.39	3.04
H8142-2	SAMPLE POINT2-1'	<10.0	425	<0.005	0.006	0.015	0.030
H8142-3	SAMPLE POINT3-1'	<10.0	215	<0.005	0.010	0.009	0.020
H8142-4	SAMPLE POINT4-3"	<10.0	<10.0	<0.005	0.005	<0.005	<0.015
Quality Control		779	818	0.091	0.089	0.089	0.264
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		97.4	102	90.9	89.2	88.6	88.1
Relative Percent Difference		1.5	1.1	4.7	6.0	4.0	4.2

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.


Burgess J. A. Cooke, Ph. D.

11/7/03
Date

H8142.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.

APPENDIX II

Site Diagram
November 2003

EVGSAU 3" Flowline Leak
Buckeye, New Mexico

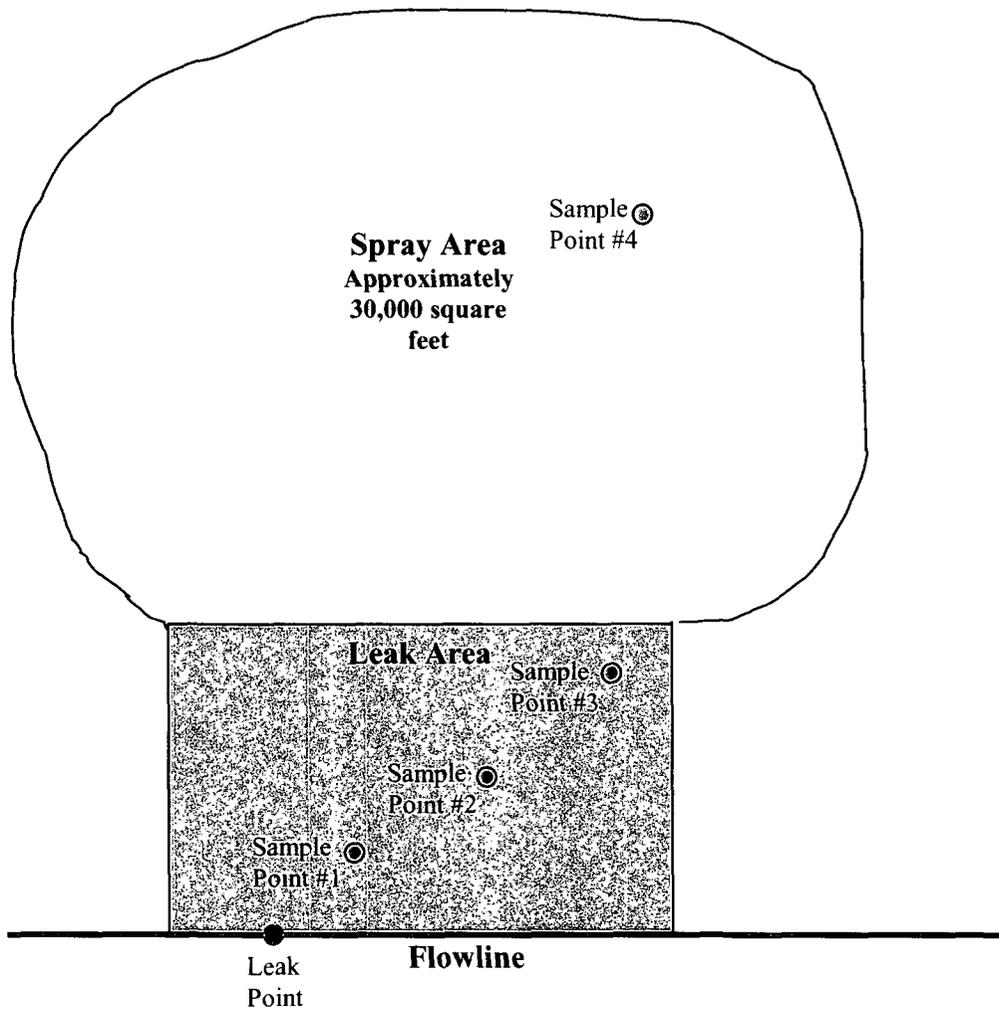
Prepared for:
ConocoPhillips
Lovington, New Mexico

2003

Prepared by:
BBC International, Inc.



CONOCOPHILLIPS EVGSAU 3" FLOWLINE



LEGEND	
●	Leak point
⊙	BBC sample point

BBC INTERNATIONAL, INC.	
CONOCOPHILLIPS EVGSAU 3" FLOWLINE	
Date: 1-15-04	Drawn By: JG
Disk:	Sheet of Sheets
Scale: Not to Scale	File Name

96 Location Buckeye N.M. Date 11-05-03
 Project / Client ConocoPhillips / ELGSAU 3" Sloandine

Sample #	Time	depth
SP 1	11:15	1'
SP 2	11:41	1'
SP 3	11:50	1'
SP 4	11:58	Surface = 3"

Samples taken with hand auger -
 Auger refusal at 1'

Location _____ Date _____ 97
 Project / Client _____

