

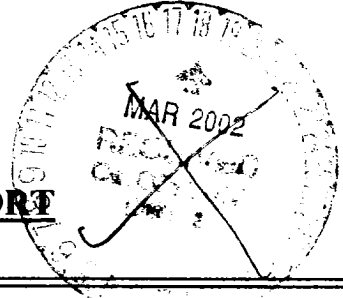
State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Risk  
Bedrock

**PIT REMEDIATION AND CLOSURE REPORT**



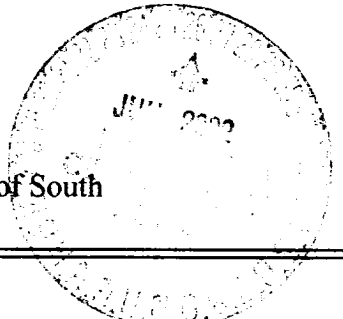
Operator: Conoco (Williams Field Services) Telephone: (801) 584-6361  
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900  
WellName: CONOCO 29-4 UNIT #6 ( 85090 )  
Location: Unit or Qtr/Qtr <sup>NW/NE</sup> Sec 19 T 29N R 4W County Rio Arriba  
PitType Dehydrator *SH*  
LandType: BLM

Pit Location: Pit dimensions: length 19 ft., width 19 ft., depth 3 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 75 ft.

Direction from reference: 22 Degrees West of South



Depth To Ground Water:

(Vertical distance from  
contaminants to seasonal high  
water elevation of ground  
water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points) 10

Wellhead Protection Area:

(Less than 200 feet from a private domestic  
water source, or; less than 1000 feet from  
all other water sources)

Yes (20 points)  
No (0 points) 0

Distance To Surface Water:

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1,000 feet (10 points)  
Greater than 1,000 feet (0 points) 0

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 4/4/94

Date Completed: 4/5/94

Remediation Method: Excavation ☐

Approx. Cubic Yard 40

(check all appropriate sections)

Landfarmed ☐

Insitu Bioremediation ☒

Other

Remediation Location:

Onsite ☐ Offsite

(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action:

Excavate soils and mix with microbial activator and substrate material (hay). Encounter BEDROCK at 3'. Replace soils and allow natural degradation. Sample excavation.

Ground Water Encountered: 0

Final Pit:

Sample location GOCON#6SE044-1-C

Closure Sampling:

One five point composite sample collected.

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth

Sample date 4/4/94

Sample time 10:30

Sample Result

Benzene (ppm) 0.0043

Total BTEX (ppm) 0.34

Field Headspace (ppm)

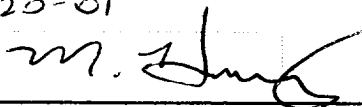
TPH (ppm) 1,022

Ground Water Sample: 0

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 12-20-01

SIGNATURE



PRINTED NAME  
AND TITLE

Mark Harvey for Williams Field Services  
Project Coord.

85090  
✓

**WILLIAMS FIELD SERVICES**  
ONE OF THE WILLIAMS COMPANIES

DEHY PIT REMEDIATION REPORT

Well Name: 29-4 Conoco 19#6 Date: 4-4-94  
Location: Unit or Qtr/Qtr Sec H Sec 19 T 29N R 4W County RIO ARriba

Pit Location: Pit Dimensions: length 19 width 19 depth 3  
Reference: wellhead ☒, other \_\_\_\_\_  
Distance from reference: 75 ft  
Direction from reference: 22° degrees East North \_\_\_\_\_  
of \_\_\_\_\_  
☒ West ☒ South ☒

Remediation Start Date: 4-4-94 Completion Date: 4-4-94  
Remediation Method: Excavation \_\_\_\_\_ Approx CY \_\_\_\_\_  
Landfarmed \_\_\_\_\_ Approx CY \_\_\_\_\_  
Bioremediation ☒ Materials 5 gals Bio-D  
Other 1 gal Microbial Activator 10  
Bales Hay. Mix in Pit

Remediation Location: On-site \_\_\_\_\_ Off-site \_\_\_\_\_

General Description of Remediation Activity:  
Mix soil in pit. Hit sandstone 3'

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_  
Ground Water Sampled: No ☒ Yes \_\_\_\_\_ Analysis \_\_\_\_\_

Sampling: Sample Location 5 Point Composite

Sample Time 10:30 AM Sampler's Name Mike Hare

Sample Headspace (ppm) 2 ppm

TPH or BTEX Results (if available) \_\_\_\_\_

PREPARED BY: Mike Hare SIGNED: Mike Hare

# ATAS

875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 434-4570 - FAX (314) 434-0080

CLIENT: BURLINGTON ENVIRONMENTAL, INC.  
210 WEST SAND BANK ROAD P.O. BOX 330  
COLUMBIA, IL 62236-0330  
ATTN: KATHY BLAINE

REPORT: 9395TPH(194)

DATE : 04-20-94

SAMPLE MATRIX : SOIL  
ATAS EPISODE : #9395  
DATE SUBMITTED: 04-07-94  
DATE ANALYZED : 04-08-94  
PROJECT : #11545 - WFS - DEHY PITS  
METHOD REF. : 418.1 (MISSOURI MODIFIED)

RESULTS REPORTED IN mg/Kg OR PARTS PER MILLION (PPM)

## TOTAL PETROLEUM HYDROCARBONS

CLIENT ID	ATAS ID	REPORTING LIMIT	RESULTS
1 GO-CON#6S.E.044-1-C LIMITS OF EXCAVATION	9395.01	125	1022
2 GO-CON#6S.E.044-1-D DUPLICATE	9395.02	5	173
3 GO-CON#6S.E.044-2-C MIXED MATERIAL	9395.03	125	3209
4 GO-SCHALK52-4NW044-1-C LIMITS OF EXCAVATION	9395.04	50	471
5 GO-SCHALK52-4NW044-2-C MIXED MATERIAL	9395.05	125	1964
6 GO-SCHALK52-1NE045-1-C LIMITS OF EXCAVATION	9395.06	5	158
7 GO-SCHALK52-1NE045-1-D DUPLICATE	9395.07	5	169

ND = NOT DETECTED ABOVE REPORTING LIMIT

**ATAS**

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210 WEST SAND BANK ROAD P.O. BOX 330  
COLUMBIA, IL 62236-0330  
ATTN: KATHY BLAINE

REPORT: 939501BX(194)

DATE : 04-20-94

SAMPLE MATRIX : SOIL  
ATAS # : 9395.01  
DATE SUBMITTED: 04-07-94  
PROJECT : #11545 - WFS - DEHY PITS  
SAMPLE ID : 1 GO-CON#6S.E.044-1-C LIMITS OF EXCAVATION

PARAMETER	REPORTING LIMIT	UNIT	RESULTS	DATE ANALYZED	METHOD REFERENCE
<u>GAS CHROMATOGRAPHY</u>					
BENZENE	5.0	ug/Kg	4.3	04-14-94	SW 8020
TOLUENE	5.0	ug/Kg	59.7	04-14-94	SW 8020
ETHYLBENZENE	5.0	ug/Kg	12.6	04-14-94	SW 8020
XYLENES	5.0	ug/Kg	260	04-14-94	SW 8020
TOTAL BTEX		ug/Kg	336.6		

QA/QC SURROGATE RECOVERY

BROMOFLUOROBENZENE (65-135%) 94 %

\* = OUTSIDE QC LIMIT ON BOTH ORIGINAL AND RERUN

ND = NOT DETECTED ABOVE REPORTING LIMIT

ug/Kg = PARTS PER BILLION (PPB)