

District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Box DD, Artesia, NM 88211  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE  
(Revised 3/9/94)

*Denny & Feart*  
DEPUTY OIL & GAS INSPECTOR

APR 5 1995

*Approved*

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Blackwood & Nichols Company Telephone: (303)-247-0728

Address: P.O. Box 1237, Durango, CO 81302-1237

Facility Or: NEBU #104  
Well Name

Location: Unit or qtr/qtr Sec M Sec 1 T 30N R 8W County San Juan

Pit Type: Separator      Dehydrator      other Tank/Dehydrator/Separator

Land Type: BLM     , State     , Fee     , Other     

Pit Location: Pit typical dimensions: length 12', width 12', depth 3'  
(Attach diagram)

Reference: wellhead X, other     

Footage from reference:     

Direction from reference:      Degrees      East North 70'  
of  
     West South     

Depth To Ground Water:	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	(0 points) <u>0</u>
high water elevation of		
ground water)		

Wellhead Protection Area:	Yes	(20 points)
(Less than 200 feet from a private	No	(0 points) <u>0</u>
domestic water source, or; less than		
1000 feet from all other water sources)		

Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points) <u>0</u>
irrigation canals and ditches)		

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 09/13/94      Date Completed: 09/14/94

Remediation Method:    Excavation \_\_\_\_\_      Approx. cubic yards \_\_\_\_\_  
(Check all appropriate  
sections)      Landfarmed \_\_\_\_\_      Insitu Bioremediation \_\_\_\_\_  
  
   Other No significant contamination detected.

Remediation Location:    Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(ie. landfarmed onsite,  
name and location of  
offsite facility) \_\_\_\_\_

General Description Of Remedial Action: Excavate unlined pit area for  
installation of double-lined fiberglass pit. Excavated soils used to bed tank and  
construct spill containment berms. Closure samples taken and tested by PID and  
TPH. Pit Closed.

Ground Water Encountered:    No X      Yes \_\_\_\_\_      Depth \_\_\_\_\_

Final Pit: 2/2  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location See attached diagramSample depth 4' Bottom ExcavationSample date 09/14/94      Sample time 11:30 ±

## Sample Results

Benzene (ppm) N/ATotal BTEX (ppm) N/AField headspace (ppm) 7.2TPH <5 mg/kgGround Water Sample:    Yes \_\_\_\_\_    No X (If yes, attach sample results)

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

DATE 2-6-95

SIGNATURE



PRINTED NAME  
AND TITLE

Jim Abbey  
Operations Engineer

Date Remediation Started: 09/13/94 Date Completed: 09/14/94

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_  
Other No significant contamination detected.

Remediation Location: Onsite X offsite \_\_\_\_\_  
(ie. landfarmed onsite,  
name and location of  
offsite facility) \_\_\_\_\_

General Description Of Remedial Action: Excavate unlined pit area for  
installation of double-lined fiberglass pit. Excavated soils used to bed tank and  
construct spill containment berms. Closure samples taken and tested by PID and  
TPH.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: 1/2  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location See attached diagram

Sample depth 4' Bottom Excavation

Sample date 09/14/94 Sample time 11:30 ±

Sample Results

Benzene (ppm) N/A

Total BTEX (ppm) N/A

Field headspace (ppm) 2.3-7.2

TPH <5 mg/kg

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

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

DATE

SIGNATURE

PRINTED NAME  
AND TITLE

Jim Abbey  
Operations Engineer

# FIELD DIAGRAM

BLACKWOOD & NICHOLS Co. 4-1116  
 9/14/94. Pit Assessment & Cleanup  
 NEBD #104 SF078581A  
 990' FS4 & 990' FWL - SEE T30N-R8W  
 SAN JUAN Co., NM

DENY/SEP/TL Pit @ 70' N of Well

Soils: 0-3' SANDY CLAY TO SILT w/ CARBON

OHM

1 @ 4' 4.4 ppm

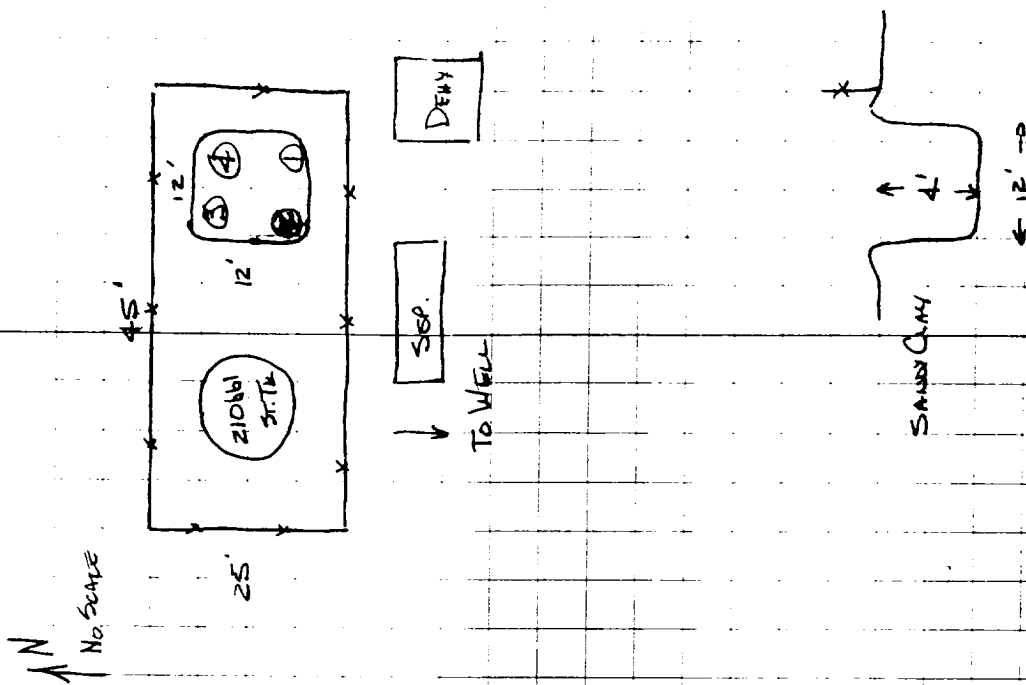
2 @ 4' 6.8

3 @ 4' 3.4

4 @ 4' 7.2

STOCKPILE  
 LADDERWAY 2.3

TPH (4/8.1): < 5 ppm





**TOTAL PETROLEUM HYDROCARBONS**

Attn: *Myke Lane*  
Company: *On Site Technologies*  
Address: *657 W. Maple*  
City, State: *Farmington, NM 87401*

Date: *9/15/94*  
Lab ID: *2092*  
Sample No. *3042*  
Job No. *4-1116*

Project Name: *Blackwood & Nichols*  
Project Location: *NEBU #104 - Dehy/Sep/Tk Pit - Composite @ 4'*  
Sampled by: *MKL* Date: *9/14/94* Time: *11:30*  
Analyzed by: *DC* Date: *9/15/94*  
Type of Sample: *Soil*

**Laboratory Analysis**

<b>Laboratory Identification</b>	<b>Sample Identification</b>	<b>Total Petroleum Hydrocarbons</b>
<i>3042-2092</i>	<i>Blackwood &amp; Nichols</i> <i>NEBU #104 - Dehy/Sep/Tk Pit - Composite @ 4'</i>	<i>&lt;5 mg/kg</i>

**Method** - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:  
Date:

*[Signature]*  
*9/15/94*