m 3160-5 Ine 1990) DEPARTMENT OF BUREAU OF LAND BELLOCK BUREAU OF LAND	S.A.ES	Budget Bureau No. 100000.22
m 3160-5 DEPARTMENT OF	THE INTERIOR	Expires: March 31, 1993
BUREAU OF LANI) MANAGEMEN I	5. Lease Designation and Serial No.
in alvoor	_	Fee 6. If Indian, Allottee or Tribe Name
Beer SANDRY NOTICES AN	D REPORTS ON WELLS	6. If Indian, Allottee of Tribe Name
Do not use this form for proposals to drift of to Use "APPLICATION FOR PE	RMIT-" for such proposals	7. If Unit or CA, Agreement Designation
SUBMIT IN TRIPLIC	ATE	Northeast Blanco Unit
. Type of Well		8. Well Name and No.
Oil Gas Well Other		NEBU # 26
		9. API Well No.
Name of Operator Blackwood & Nicho	ols Co., A Limited Partnership	30-039-07871
		10. Field and Pool, or Exploratory Area
B. Address and Telephone No . P.O. Box 1237, Dur	ango, CO 81302	Mesaverde
		11. County or Parish, State
4. Location of Well (Footage, Sec., T., R., M., or Survey Des	cription	Rio Arriba, NM
1100'FSL - 1850' F	WL - Sec.08 - T30N - R7W	Rio Millon,
	TO INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA
12. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE	
	TYPE OF A	CTION
TYPE OF SUBMISSION	Abandonment	Change of Plans
Notice of Intent	Recompletion	New Construction
		Non-Routine Fracturing
X Subsequent Report	Plugging Back	Water Shut-Off
-	Casing Repair	Conversion to Injection
Final Abandonment Notice	Altering Casing	D' Water
Pillar Abdates	Y Other Pit Closure Acceptance	(Note: Report results of multiple completion on Well
		(Note: Report results of management and Log form.) Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed Operations (Clearly subsurface locations and n	state all pertinent details, and give pertinent dates, including	g estimated date of starting any proposed works = nertinent to this work.)*
13. Describe Proposed or Completed Operations (Clearly discretionally drilled, give subsurface locations and n	state all pertinent details, and give pertinent dates, including state all pertinent details, and give pertinent dates, including neasured and true vertical depths for all markers and zones	permittative and
Blackwood & Nichols requests conditional co	on the NEBIJ # 26. Depth of	contanination reached influence of old
Blackwood & Nichols requests conditional cl	losure approval on the NEBO # 26. 25pm	
	glass containment tank was installed over exi	isting earthen pit on well pau.
An approved below grade double-inica noon	ganto or an analysis of the second of the se	when TPH & OVM concentrations are below closu .
E and soils will be landfarmed on locati	on and monitored periodically to determine	when III a com can
standards. Remediated soils will remain on	lease.	· Park
Standards. Terms	Benefit Field diagram TPH analysis (I	EPA Method 418.1)on one soil sample, BTEX
Attachments: NMOCD Pit Remediation Cl	osure Report, Field diagram,	فيعده ريند سيهين
analysis (EPA Method 8020) on one soil sar	mpie.	: • • • • • • • • • • • • • • • • • • •
		and the second s
14. I hereby certify that the foregoing is true and correct		·
14. Thereby county and the All	Title: Operations Engineer	Date 0 - 6 - 75
Signed funns		Denner Denne
(This space for Federal or State office use)	Title	DEPUTY UIL & GAS INSTECTOR
Approved by	Title	Cally United States any false, fictitious or fraudulent
Conditions of approval, if any:	person knowingly and willfully to make to any department	or agency of the Child State 11.3 1995
Title 18 U.S.C. Section 1001, makes it a crime for any statements or representations as to any matter within its	jurisdiction.	or agency of the United States any false fictitious or fraudulent
,		i Agreson al

District I P.O. Box 1980, Hobbs, NM <u>District II</u> P.O. Drawer DD, Artesia, NM 88211

1000 Rio Brazos Rd, Aztec, NM 87410

District III

State of New Mexico Energy, Minerals and Natural Resources Department APPROPRIATE

SUBMIT 1 COPY TO DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 (Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Blackwood & Nichols Company	Telephone: (303) 247-0728
Address: P.O. Box 1237, Durango, CO	31302-1237
Facility Or: NEBU #26 Well Name	
Location: Unit or Qtr/Qtr Sec_N_ Sec_17_	T 30N R 7W County Rio Arriba
Pit Type: Separator Other	Separator/Tank
Land Type: BLM, State, Fee, Of	ther BOR
Footage from reference:	cher
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)
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 1000 feet (10 points) Greater than 1000 feet (0 points) RANKING SCORE (TOTAL POINTS): 20

Reverse Page for Pit Closure Report Blackwood NEBU #26 : Sep/Tank Date Remediation Started: 08/15/94 Date Completed: 08/15/94 Remediation Method: Excavation X Approx. cubic yards __42 (Check all appropriate sections) Landfarmed X Insitu Bioremediation Remediation Location: onsite x offsite (ie. landfarmed onsite, name and location of offsite facility) General Description Of Remedial Action: Excavate contaminated soils in immediate area of unlined pit using a backhoe. Excavated to practical reach of backhoe and edge of production equipment. Spoil material thin spread for landfarm treatment. Closure samples taken and tested by PID, TPH and BTEX. Ripped excavation bottom at 9' and spread 20-20-0 (NPK) agricultural grade fertilized to enhance insitu bioremediation. Place double lined fiberglass pit in excavation and backfill flush to tank. (NOTE: Pit appears to be located in closed reserve pit, residual contamination possibly from reserve pit.) Pit conditionally closed. Ground Water Encountered: No X Yes Depth Final Pit: Sample location <u>See attached diagram</u> Closure Sampling: (if multiple samples, attach sample results Sample depth ____16' and diagram of sample locations and depths) Sample date ___08/15/94 ___ Sample time Sample Results Benzene (ppm) 3 (3,143 ppB) Total BTEX (ppm) 23 (22,754 ppB) Field headspace (ppm) 2167 TPH 4,900 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 TOMES Kall

PRINTED NAME Jim Abbey
AND TITLE Operations Engineer

FIELD DIAGRAM

P C C C C C C C C C C C C C C C C C C C	7 h 9 h	SPOIL 1121 CP (41.3cm) A EXAMPLE TO THE TOTAL TO THE TOTAL TO THE TOTAL
BAKLWOOD & NEHOLD CO. 4-1116 PAT ASSESS & CUELTOS NEBU NO: 26 1100 FSL -1885 FWL 58730NR7W, R.A.Co., NK 8/15/94	7 : 17 18 18 18 18 18 18 18	2 (25 A) Relink A (1. Brue A RATIL A RATIL



TOTAL PETROLEUM HYDROCARBONS

Attn:

Myke Lane

Company: On Site Technologies, Ltd.

Address:

657 W. Maple

City, State: Farmington, NM 87401

Blackwood & Nichols Company

Project Name: **Project Location:** Sampled by:

NEBU No. 26 ; Composite @ 9'

MKL

Date:

8/15/94 Time:

Date:

Lab ID:

Job No.

Sample No.

NR

8/23/94

FIELD

4-1116

TEST

Analyzed by:

MKL

Date:

8/15/94

Type of Sample:

Soil

Mobil Laboratory Analysis

	10000 2000		
		Total Petroleum Hydrocarbons	
Laboratory Identification FIELD TEST	Sample Identification Blackwood & Nichols Company NEBU No. 26 ; Composite @ 9'	4,671 mg/kg	
FILLD			-

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

FAX: (505) 327-1496 • 24 HR. - (505) 327-7105 • OFF.: (505) 325-8786



TOTAL PETROLEUM HYDROCARBONS

Attn:

Myke Lane

Date:

8/17/94

Company: On Site Technologies Ltd.

Lab ID:

1825

Address:

657 W. Maple

2514

City, State: Farmington, NM 87401

Sample No. Job No.

4-1116

Project Name:

Blackwood & Nichols - Durango, CO

Project Location:

NEBU #26

Sep/Dehy Pit @ 16' Date: Date:

8/15/94 Time:

13:00

Sampled by: Analyzed by: MKL DLA

8/16/94

Type of Sample:

Soil

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
	Blackwood & Nichols - Durango, CO	
2514-1825	NEBU #26- 2 Sep/Dehy Pit @ 16'	4,900 <i>mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date:



AROMATIC VOLATILE ORGANICS

Attn:

Myke Lane

Company: On Site Technologies, Ltd.

657 W. Maple Address:

City, State: Farmington, NM 87401

Blackwood & Nichols

Project Name: Project Location:

NEBU #26

Sep/Dehy Pit @ 16'

Sampled by: Analyzed by: MKL DLA

Date:

8/15/94 8/16/94

Date:

Soil Sample Matrix:

Time:

Date:

Lab ID:

Job No.

Sample ID:

13:00

8/17/94

1825

2514

4-1116

Aromatic Volatile Organics

	**Measured Concentration ug/kg
Component	
	3,143
Benzene	13,402
Toluene	431
Ethylbenzene	4,832
m,p-Xylene	946
o-Xylene	TOTAL 22,754 ug/kg

ND - Not Detectable

** - Method Detection Limit, 2 ug/kg

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

FAX: (505) 327-1496 • 24 HR. - (505) 327-7105 • OFF.: (505) 325-8786 3005 NORTHRIDGE DRIVE • SUITE F • P. O. BOX 2606 • FARMINGTON, NEW MEXICO 87499



QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 8/16/94

Internal QC No.:

0222-STD

Surrogate QC No.:

0223-STD

Reference Standard QC No.:

0355-STD

Method Blank

Analytes in Blank	Amount
Average Amount of All Analytes In Blank	<1 ppb

Calibration Check

- Canbration Oncon	Units of	*True	Analyzed		
Calibration Standards	Measure	Value	Value	% Diff	Limit
Benzene	ppb	20	21	5	15%
Toluene	ppb	20	19	4	15%
Ethylbenzene	ppb	20	18	8	15%
m,p-Xylene	ppb	40	36	10	15%
o-Xylene	ppb	20	18	8	15%

Spike Results

	1- Percent	2 - Percent			
Analyte	Recovered	Recovered	Limit	%RSD	Limit
Benzene	104	105	(39-150)	1	20%
Toluene	95	103	(46-148)	6	20%
Ethylbenzene	100	101	(32-160)	1	20%
m,p-Xylene	99	104	(35-145)	4	20%
o-Xylene	96	97	(35-145)	1	20%

Surrogate Recoveries

S1	S2	S3	
Percent	Percent	Percent	
Recovered	Recovered	Recovered	
(70-130)			
107			
	Percent	Percent Percent Recovered Recovered (70-130)	

S1: Flourobenzene