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

1

State of New Mexico Energy Minerals and Natural Resources

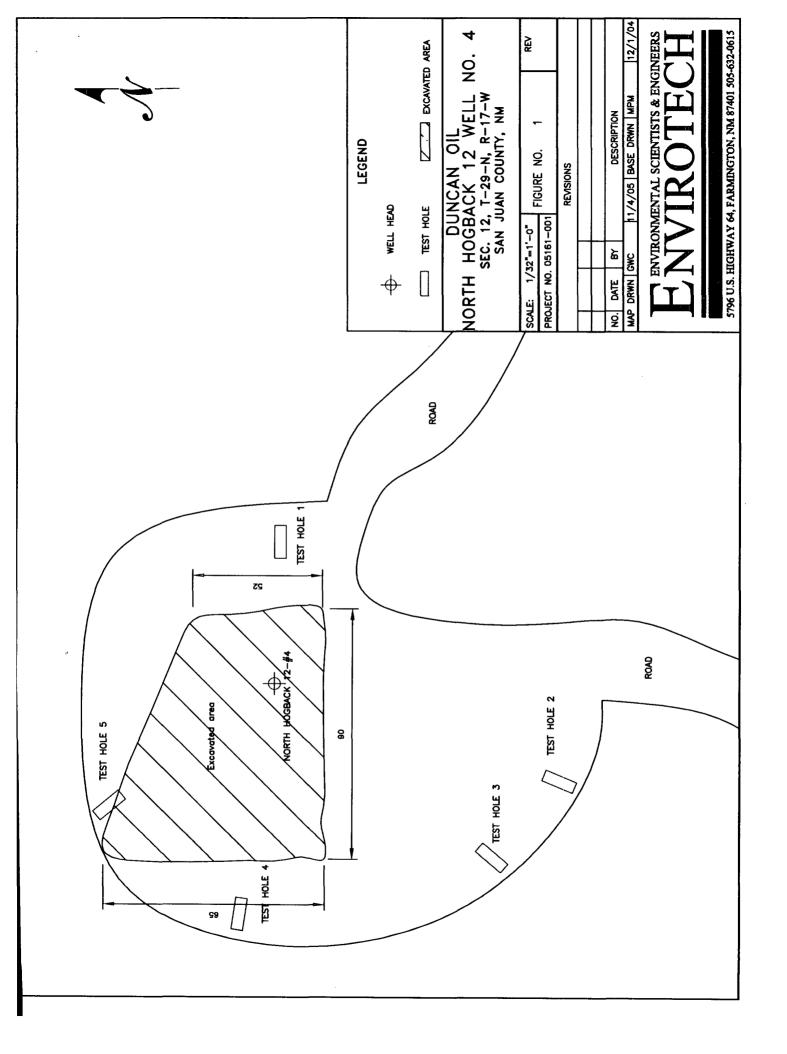
Oil Conservation Division 1220 South St. Francis Dr. For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144 June 1, 2004

Santa Fe, NM 87505

Pit or Below-Grade Tank Registration or Closure

	k covered by a "general plan"? Yes No r below-grade tank Closure of a pit or below-grad		
Operator: Duncan Oil Telephone: (303) 759- Address: 1777 South Harrison Street – Penthouse One, Denver, Colorado.8 Facility or well name: N. Hogback 12 No. 4 API #: 300452 County: San Juan Latitude Surface Owner: Federal State Private Indian	9303 e-mail address: sfalling 9210 1003 U/L or Qtr/Qtr A Sec	@duncanoil.com	
Pit Type: Drilling Production Disposal Workover Emergency Lined Unlined Liner type: Synthetic Thicknessmil Clay Pit Volumebbl	Below-grade tank Volume:bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes If not	DIST. 3	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 20	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) 0	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 20	
	Ranking Score (Total Points)	40	
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite If offsite, name of facility Envirotech Landfarm #2 . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No Yes If yes, show depth below ground surface 10 ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments:			
Approximately 480 cubic yards of contaminated soil was excavated from the second secon			
Documentation of BTEX analysis via USEPA Method 8021B is attached to			
Documentation of TPH and OVM results are also attached for the soil samples			
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline Date:/\psi / \mathcal{b} b Printed Name/TitleSteve Fallin - Production Manager Your certification and NMOCD approval of this application/closure does otherwise endanger public health or the environment. Nor does it relieve to regulations.	Signature Signature Substitute the operator of liability should the contents	of the pit or tank contaminate ground water or	
Approval: Printed Name/Title Signature	Date: JAN 0 9 200	<u>)6</u>	



CLIENT: Duncan C.1 ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 67401 PHONE: (505) 632-0615	LOCATION NO:
LOCATION: NAME: N. Hagback 12 WELL #: 4 PIT: QUAD/UNIT: SEC: 12 TWP: 29 RNG: 16 PM: NHIPM CNTY: SJ ST.NM	CANOFARM
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY OFT. DEPTH TO GROUNDWATER: 410' NEAREST WATER SOURCE: 71000 NEAREST SURFACE NMOCD RANKING SCORE: 40 NMOCD TPH CLOSURE STD: 100 PPM SOLI AND EXCAVATION DESCRIPTION:	FROM WELLHEAD. WATER: CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED WAS REMOVED The soil was
O FT PIT PERIMETER OVM RESULTS SAMPLE FIELD HEADSPACE PIO (ppm) ARRA 4 5 LAB SAMPLES SAMPLE ANALYSIS TIME TRAVEL NOTES: CALLOUT: ONSITE:	PROFILE

.



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Duncan Oil	Project #:	05161-001
Sample ID:	N. Hogback 12-#4	Date Reported:	11-03-05
Chain of Custody:	15014	Date Sampled:	11-02-05
Laboratory Number:	34877	Date Received:	11-02-05
Sample Matrix:	Water	Date Analyzed:	11-03-05
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	83.5	1	0.2
Toluene	327	1	0.2
Ethylbenzene	1,270	1	0.2
p,m-Xylene	1,250	1	0.2
o-Xylene	575	1	0.1

Total BTEX

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	4-bromochlorobenzene	99 %

3,510

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

Groundwater Hogback.

Mister of Walter

Review



Client:

Duncan Oil

Project #:

05161-001

Sample No.:

5

Date Reported:

11/8/2005

Sample ID:

Composite of Bottom @ 6 feet BGS

Date Sampled:

11/7/2005

Sample Matrix: Preservative:

Cool

Date Analyzed: Analysis Needed: 11/7/2005 TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

36.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

North Hogback 12-#4

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review



Client:

Duncan Oil

Project #:

05161-001

Sample No.:

10

Date Reported:

11/9/2005

Sample ID:

Composit Sample of South Wall

Date Sampled:

Sample Matrix:

11/8/2005

Preservative:

Cool

Date Analyzed: Analysis Needed:

11/8/2005 TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

96.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

North Hogback 12-#4

Instrument callibrated to 200 ppm standard. Zeroed before each sample



Client:

Duncan Oil

11

Sample No.: Sample ID:

Composit Sample of West Wall

Sample Matrix:

Soil

Preservative:

Cool

Condition:

Cool and Intact

Project #:

05161-001

Date Reported:

11/9/2005

Date Sampled:

11/8/2005

Date Analyzed: Analysis Needed: 11/8/2005 TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

92.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

North Hogback 12-#4

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Bain ayra Mark



Client:

Duncan Oil

Composit Sample of East Wall Soil

Sample Matrix: Preservative:

Sample No.:

Sample ID:

Cool

Condition:

Cool and Intact

Project #:

05161-001

Date Reported:

11/8/2005

Date Sampled: Date Analyzed: 11/7/2005 11/7/2005

Analysis Needed:

TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

44.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

North Hogback 12-#4

Instrument callibrated to 200 ppm standard. Zeroed before each sample



Client:

Duncan Oil

Project #:

05161-001

Sample No.:

7

Data Banariad

11/8/2005

Sample ID:

Composit Sample of North Wall

Date Reported:

11/0/2000

Sample Matrix:

Soil

Date Sampled: Date Analyzed: 11/7/2005 11/7/2005

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

92.0

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

North Hogback 12-#4

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review VIAN VIA