

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

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

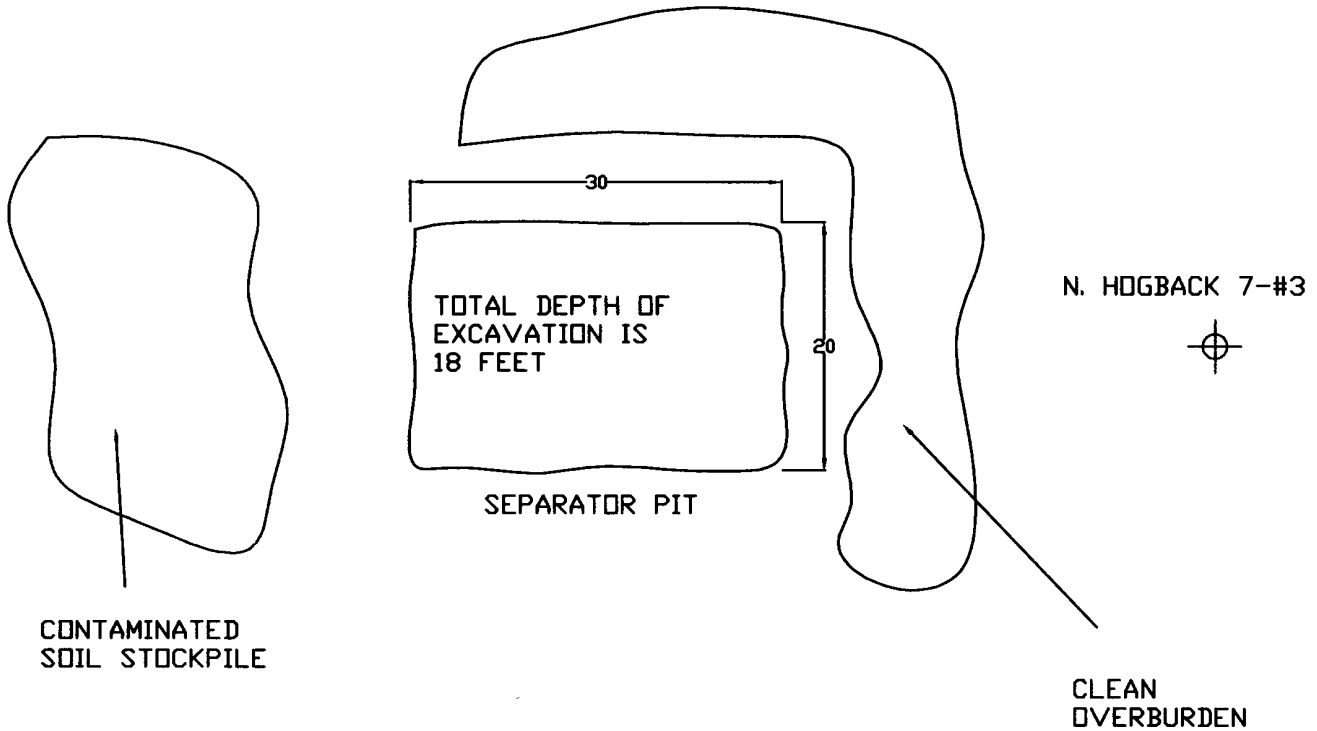
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>Duncan Oil</u> Telephone: <u>(303) 759-3303</u> e-mail address: <u>sfallin@duncanoil.com</u>		
Address: <u>1777 South Harrison Street - Penthouse One, Denver, Colorado, 80210</u>		
Facility or well name: <u>N. Hogback 7 No. 3</u> API #: <u>3004521494</u> U/L or Qtr/Qtr <u>E</u> Sec <u>7</u> T <u>29N</u> R <u>16W</u>		
County: <u>San Juan</u> Latitude <u>36° 44.58'</u> Longitude <u>-108° 34.288'</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness <u> </u> mil Clay <input type="checkbox"/> Pit Volume <u> </u> bbl	Below-grade tank Volume: <u> </u> bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.	



NORTH HOGBACK 7-#3 LEGEND



WELLHEAD

SCALE: 1" = 30'

FIGURE NO. 2

REV

PROJECT NO. 05161-001

REVISIONS

NO.	DATE	BY	DESCRIPTION
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MAP DRWN	GWC	11/30/05	BASE DRWN
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ENVIRONMENTAL SCIENTISTS & ENGINEERS
ENVIROTECH

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

CLIENT: <u>Duncan O. I</u>	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>North Hogback 7</u> WELL #: <u>3</u> PIT: <u>Separator</u> QUAD/UNIT: _____ SEC: <u>7</u> TWP: <u>29N</u> RNG: <u>16W</u> PM: <u>NMPM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: _____ CONTRACTOR: _____		DATE STARTED: <u>9/23/05</u> DATE FINISHED: <u>9/26/05</u> ENVIRONMENTAL SPECIALIST: <u>GWC</u>

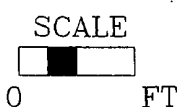
EXCAVATION APPROX. <u>30</u> FT. x <u>20</u> FT. x <u>18</u> FT. DEEP.	CUBIC YARDAGE: <u>710</u>
DISPOSAL FACILITY: <u>ENVIROTECH LF #2</u>	REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>GRAZING / Range</u>	LEASE: _____ FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>35'</u> FT. <u>270°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>18'</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>325'</u> NMOC D RANKING SCORE: <u>30</u> NMOC D TPH CLOSURE STD: <u>100</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE : <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED

Approximately 710 yd³ of contaminated soil was excavated from the Separator earth pit. The contaminated soil was transported to Envirotech's Landfarm #2

FIELD 418.1 CALCULATIONS

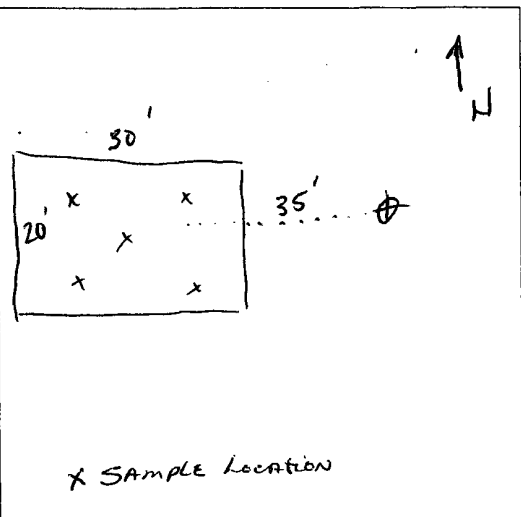
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
	See 418.1 Analysis Log on following pages						



PIT PERIMETER

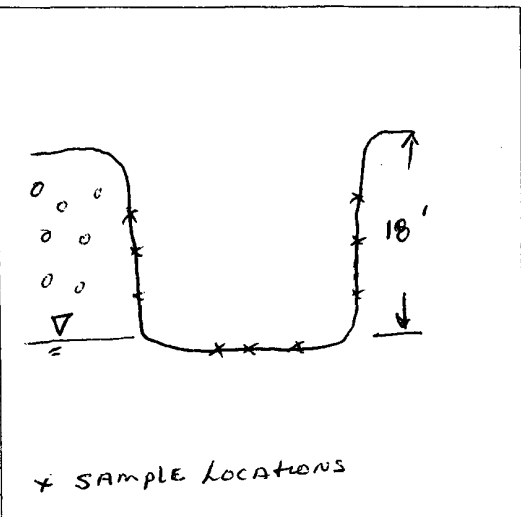
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 Bottom	0.0
2 North	0.0
3 South	11.0
4 East	211
5 West	176
East	5.0
West	4.0

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Duncan Oil	Project #:	05161-001
Sample No.:	1	Date Reported:	9/26/2005
Sample ID:	Composite Sample Bottom 18'	Date Sampled:	9/23/2005
Sample Matrix:	Soil	Date Analyzed:	9/23/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

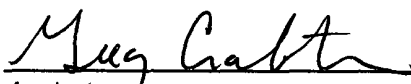
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	52.0	5.0

ND = Parameter not detected at the stated detection limit.

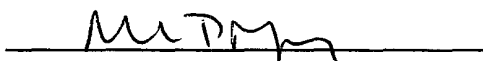
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **North Hogback 7 - #3 Separator Pit**

Instrument calibration checked against 100 ppm standard. Zeroed before each sample



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Duncan Oil	Project #:	05161-001
Sample No.:	6	Date Reported:	9/26/2005
Sample ID:	Composite Sample East Wall	Date Sampled:	9/26/2005
Sample Matrix:	Soil	Date Analyzed:	9/26/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	40.0	5.0

ND = Parameter not detected at the stated detection limit.

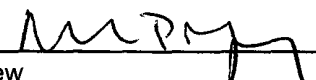
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **North Hogback 7 - #3 Separator Pit**

Instrument calibration checked against 100 ppm standard. Zeroed before each sample



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Duncan Oil	Project #:	05161-001
Sample No.:	8	Date Reported:	9/26/2005
Sample ID:	Composite Sample North Wall	Date Sampled:	9/26/2005
Sample Matrix:	Soil	Date Analyzed:	9/26/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	84.0	5.0

ND = Parameter not detected at the stated detection limit.

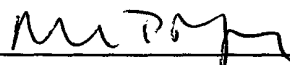
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **North Hogback 7 - #3 Separator Pit**

Instrument calibration checked against 100 ppm standard. Zeroed before each sample



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Duncan Oil	Project #:	05161-001
Sample No.:	9	Date Reported:	9/26/2005
Sample ID:	Composite Sample West Wall	Date Sampled:	9/23/2005
Sample Matrix:	Soil	Date Analyzed:	9/23/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	68.0	5.0
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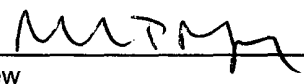
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **North Hogback 7 - #3 Separator Pit**

Instrument calibration checked against 100 ppm standard. Zeroed before each sample


Analyst


Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Duncan Oil	Project #:	05161-001
Sample No.:	3	Date Reported:	9/26/2005
Sample ID:	Composite Sample South Wall	Date Sampled:	9/23/2005
Sample Matrix:	Soil	Date Analyzed:	9/23/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	556.0	5.0
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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 7 - #3 Separator Pit**

Instrument calibration checked against 100 ppm standard. Zeroed before each sample


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Duncan Oil	Project #:	05161-001
Sample ID:	N. Hogback 7 #3	Date Reported:	09-27-05
Chain of Custody:	14835	Date Sampled:	09-26-05
Laboratory Number:	34468	Date Received:	09-26-05
Sample Matrix:	Water	Date Analyzed:	09-27-05
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	0.4	1	0.2
Toluene	3.7	1	0.2
Ethylbenzene	0.5	1	0.2
p,m-Xylene	76.2	1	0.2
o-Xylene	43.2	1	0.1

Total BTEX 124

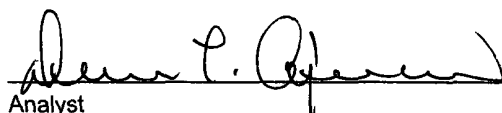
ND - Parameter not detected at the stated detection limit.

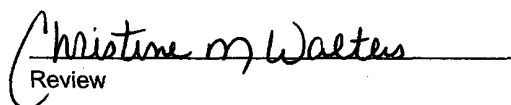
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	4-bromochlorobenzene	99 %

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: Hogback.


Analyst


Review