

3R - 284

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

1992

MERIDIAN OIL

December 9, 1992

Denny Foust  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410


RECEIVED  
DEC 10 1992  
OIL CON. DIV.  
DIST. 3

Dear Mr. Foust:

Please find attached the wellsite information we discussed for the pit closures at the Larcher 1 and Calloway 1A. The laboratory sampling locations are indicated on the diagrams.

If you have any questions or wish to discuss this information, contact me at 326-9537.

Sincerely,

  
Derin Warren  
Environmental Representative

Attachment

cc: File: VA

DRW/aka:wellinfo

PID Measurement for Unlined Pit Closure Assessment  
Field Screening

Meridian Oil Inc.  
PO Box 4289 Farmington NM 87499-4289

55 NOV. 2000  
170 NOV. 2000

Location

Lease Name, Well No CALLOWAY # 1A  
SEC 27 TWN 31N RNG 11W  
Forman NOEL ROGERS Forman Area No. 331 ( )  
Vulnerable Area Drainage ANIMAS R.

Measurement

Date 9/11/92 Time 1045 - 1145  
Instrument PID (OUM) - 37454, SHOVEL PORT HOLE DIGGER  
Calibration Date 9/11/92 (0830 - TIME)  
Measured Sample Condition SAND CR. BROWN - BLACK, WELL SORTED, MOIST.

PID Hydrocarbon Concentrations in ppm 1862 (2 FT) 1553 (3 FT) 1258 (5 1/2 FT)

Analyst (Print) NELSON VELEZ

Laboratory Sample No. \_\_\_\_\_ (special request only, composite from completed excavation)  
CALLOWAY 1A

Site Conditions

Liquids in pit (V) \_\_\_\_\_

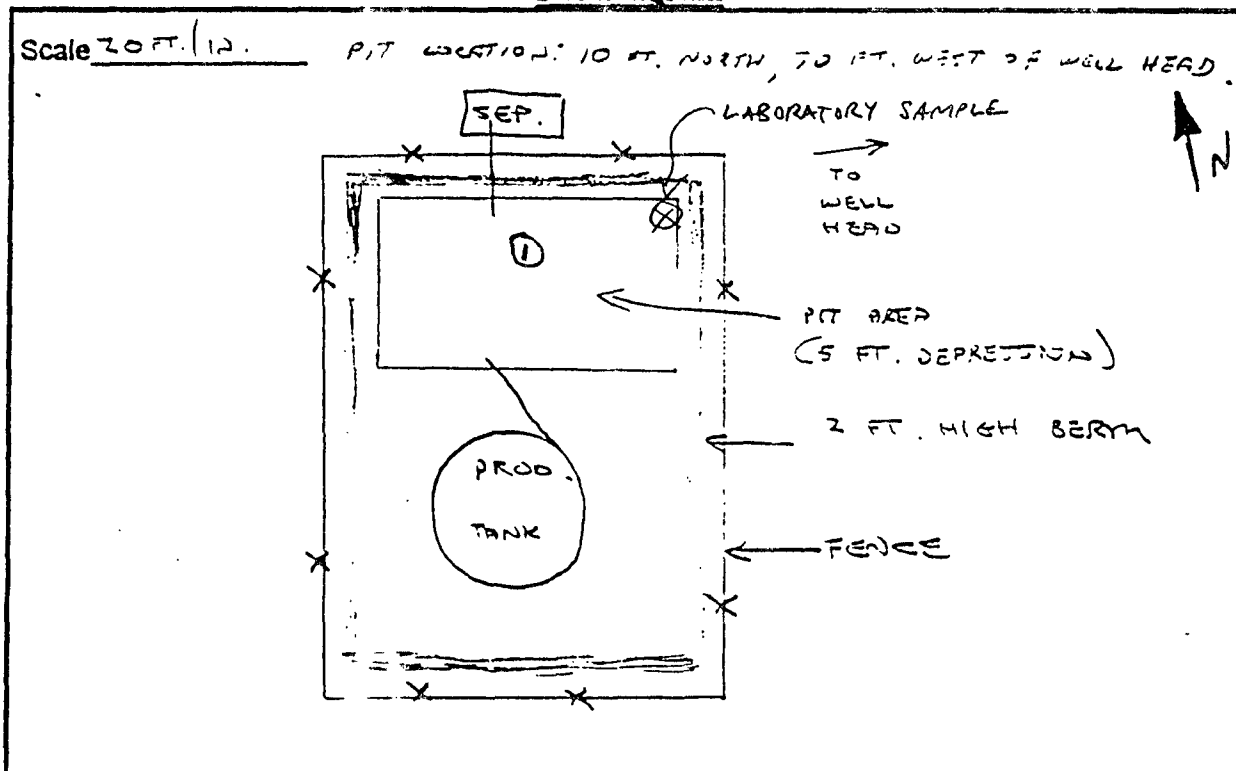
Visible hydrocarbons on surface (Y) \_\_\_\_\_

PRODUCED (ASSUMED OIL)

Pit fenced (Y) Netted ( ) \_\_\_\_\_

Pit in use ( ) Debris ( ) Separated (V) \_\_\_\_\_

Site Diagram



1/4 mile

PID Measurement for Unlined Pit Closure Assessment  
Field Screening

Meridian Oil Inc.  
PO Box 4289 Farmington NM 87499-4289

Location

Lease Name, Well No LARCHER #1 1408001190  
SEC 7 (K) TWN 31N RNG 10W  
Forman NOEL ROGERS Forman Area No. 331 (4)  
Vulnerable Area Drainage ANIMAS R.

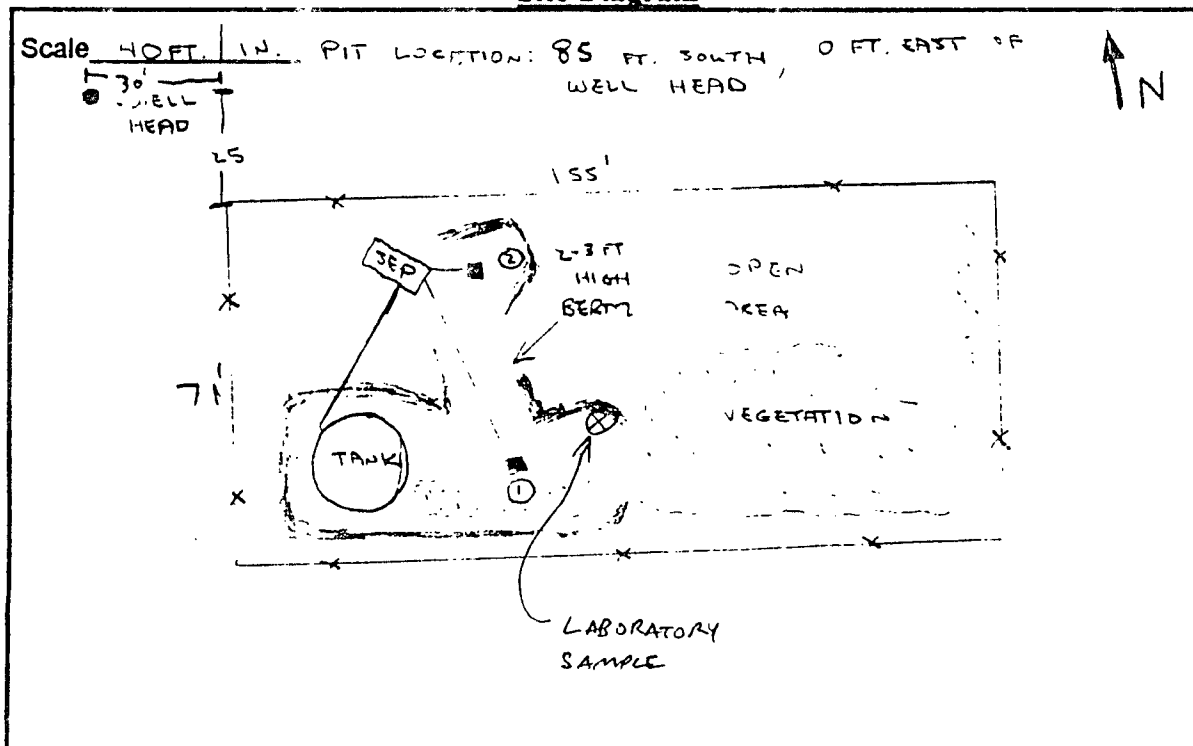
Measure

Date 8/26/92 Time 0830 - 0955  
Instrument PID (pum) 37454, HAND AUGER  
Calibration Date 3/25/92 (1235-TIME)  
Measured Sample Condition ① 1 1/2 FT. (910) ② 1 1/2 FT. (935), SAND/CLAY, MOIST  
GRAY, STRONG ODOR ON BOTH SAMPLES.  
PID Hydrocarbon Concentrations in ppm ① 1781, ② 1444  
Analyst (Print) NELSON VELEZ  
Laboratory Sample No. \_\_\_\_\_ (special request only, composite from completed excavation)

Site Conditions

Liquids in pit (N) \_\_\_\_\_ Visible hydrocarbon on surface (N) \_\_\_\_\_  
Pit fenced (Y) netted ( ) \_\_\_\_\_ Pit in use ( ) Dehy (Y) Separator \_\_\_\_\_

Site Diagram



NOTE: TWO PIT LOCATIONS FOR THE SAME SEPARATOR UNIT  
LOCATION ① T NEARER TO FROM GROUND SURFACE (APPROX)

**MERIDIAN OIL**

OIL CONSERVATION DIVISION  
RECEIVED

'92 NOV 20 AM 9 47

November 17, 1992

Denny Faust  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Dear Mr. Faust:

Earthen production pits at the Meridian Calloway #1A and Larcher #1 have been closed following verbal approval from Roger Anderson, NMOCD, Santa Fe. The pits were closed September 15 following the excavation of hydrocarbon contaminated soil to the greatest extent possible with a standard backhoe. The excavation followed continuous on site measurement of volatile hydrocarbons with a Thermo Scientific PID instrument. The contaminated soil was removed to the Envirotech commercial landfarm. Ground water was not discovered during the excavation.

Soil samples were collected from the pits at the junction of the sidewall and bottom. At the request of Roger Anderson, one sample was collected from each pit at the point of highest known contamination and analyzed by method 418.1 for TPH. Results of the analysis are attached.

If you have any questions or would like to discuss this information, call me at (505) 326-9537.

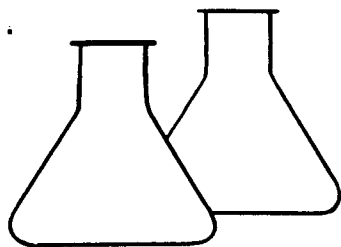
Sincerely,



Derin R. Warren  
Environmental Representative

cc: R. Anderson -- NMOCD, Santa Fe  
Noel Rogers  
VA File

DRW/vka:soilsmpl



# ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615 • FAX: (505) 632-1865

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Meridi Oil	Project #:	91364
Sample ID:	Corner & Pit	Date Reported:	10-28-92
Laboratory Number:	3600	Date Sampled:	09-15-92
Sample Matrix:	Soil	Date Received:	10-26-92
Preservative:	Cool	Date Analyzed:	10-27-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	686	5.0

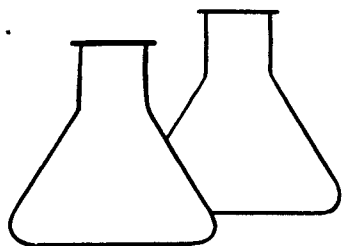
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: Calloway #1-A

A. Jencovich  
Analyst

Mavis D. Young  
Review



# ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615 • FAX: (505) 632-1865

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Meridian Oil	Project #:	91364
Sample ID:	SW Pit/NW Corner	Date Reported:	10-28-92
Laboratory Number:	3601	Date Sampled:	09-15-92
Sample Matrix:	Soil	Date Received:	10-26-92
Preservative:	Cool	Date Analyzed:	10-27-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	24,800	25.0

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

ND - Parameter not detected at the stated detection limit.

Comments: Larcher #1

CA Fenwick  
Analyst

Morris D Young  
Review

ENVIROTECH LABORATORIES

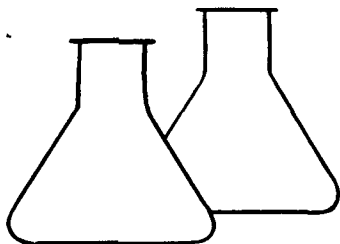
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5796 U.S. HIGHWAY 64-3014  
FARMINGTON, NEW MEXICO 87401  
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION





# ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401  
PHONE: (505) 632-0615 • FAX: (505) 632-1865

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-28-92
Laboratory Number:	TPLB1027	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-27-92
Condition:	NA	Analysis Needed:	TPH

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

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

ND - Parameter not detected at the stated detection limit.

Comments:

CA Ferencik  
Analyst

Maris D. Young  
Review

**ENVIROTECH INC.**

5796 U.S. Highway 64-3014  
Farmington, New Mexico 87401  
(505) 632-0615



STATE OF NEW MEXICO  
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

OIL CONSERVATION DIVISION  
RECEIVED  
JAN 11 1993  
APR 9 1993  
The People's Choice  
DRUG FREE  
It's a State of Mind

BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

Certified Mail Receipt #P 988 786 241

January 7, 1992

Meridian Oil Inc.  
Attn. Derin R. Warren  
P. O. Box 4289  
Farmington, NM 87499-4289

RE: Pit remediation at the Meridian Calloway #1A and Larcher #1

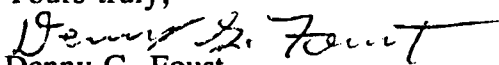
Dear Mr. Warren:

The Oil Conservation Division District III office has determined there is insufficient data available to approve the Meridian pit closures at the Calloway #1A, O-27-31N-11W and the Larcher #1, K-7-31N-10W. The OCD needs evaluation of the impact of Total Petroleum Hydrocarbons left in place. I suggest you review the ranking criteria and risk analysis outlined in the Draft OCD Surface Impoundment Closure Guidelines dated 12/21/92. The volume of contaminated material is a significant factor in risk analysis. Down dip auger testing with PID screening is one option which should indicate the volume of contamination at these locations. At the Larcher #1 more than one core hole may be needed and depth to groundwater may need to be determined because a Total Petroleum Hydrocarbon reading of near 25,000 ppm may indicate persistent BTEX contamination near the water table within the river valley.

Meridian Oil Inc. has until February 15, 1993, to respond with an outline for further remediation at these locations and provide a date for completion of these activities. The OCD District III office is to be notified twenty-four hours before further remedial activity is initiated.

If you have questions please feel free to call this office.

Yours truly,

  
Denny G. Foust  
Environmental Geologist

XC: ~~OCD~~ Environmental Bureau  
Environmental File  
DGF File