

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

DRWA:ka.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 (K. BROWN) - BLACK WELL SORTED MOIST.

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

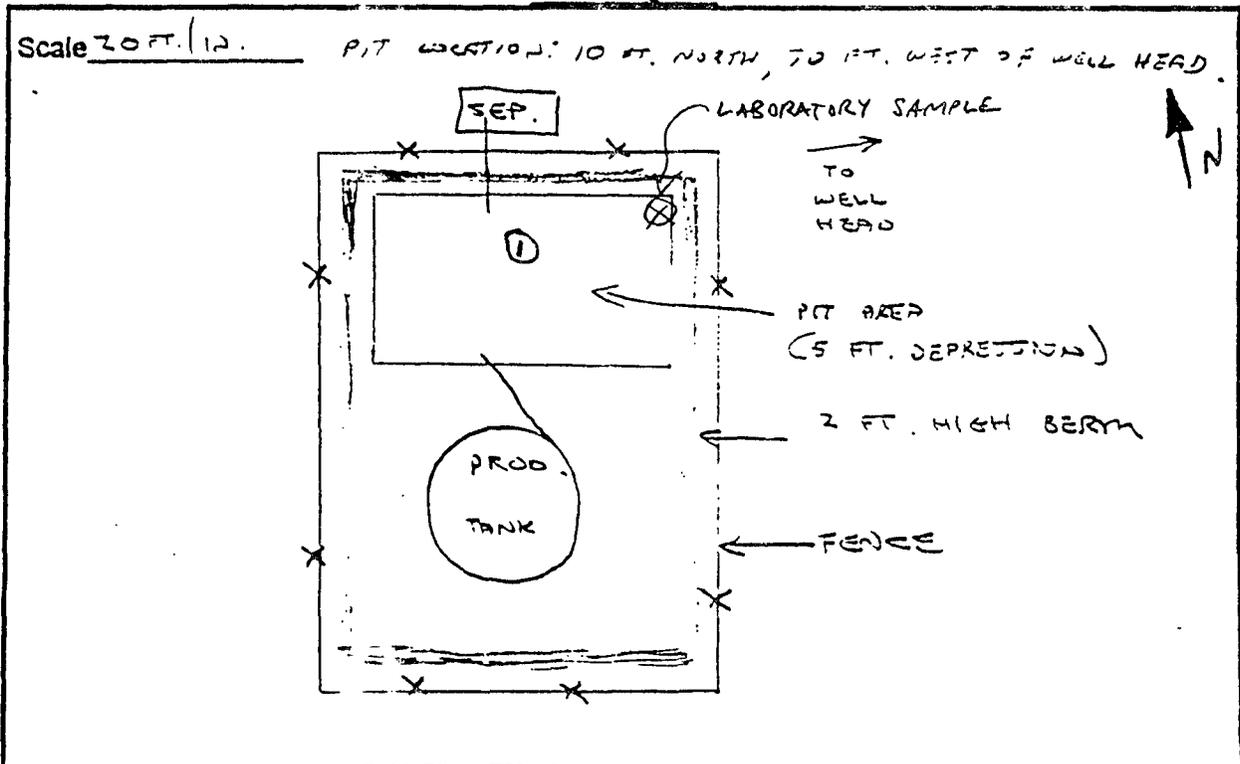
Analyst (Print) NELSON VELEZ

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

Site Conditions

Liquids in pit (N) _____ Visible hydrocarbons on surface (Y) PRODUCT (ASSUMED OIL)
Pit fenced (Y) netted () _____ Pit in use () Debris () Separated (Y) _____

Site Diagram



1/4 mi

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 140800190
SEC 7 (K) TWN 31N RNG 10W
Forman NOEL ROGERS Forman Area No. 331 (4)
Vulnerable Area Drainage ANIMAS R.

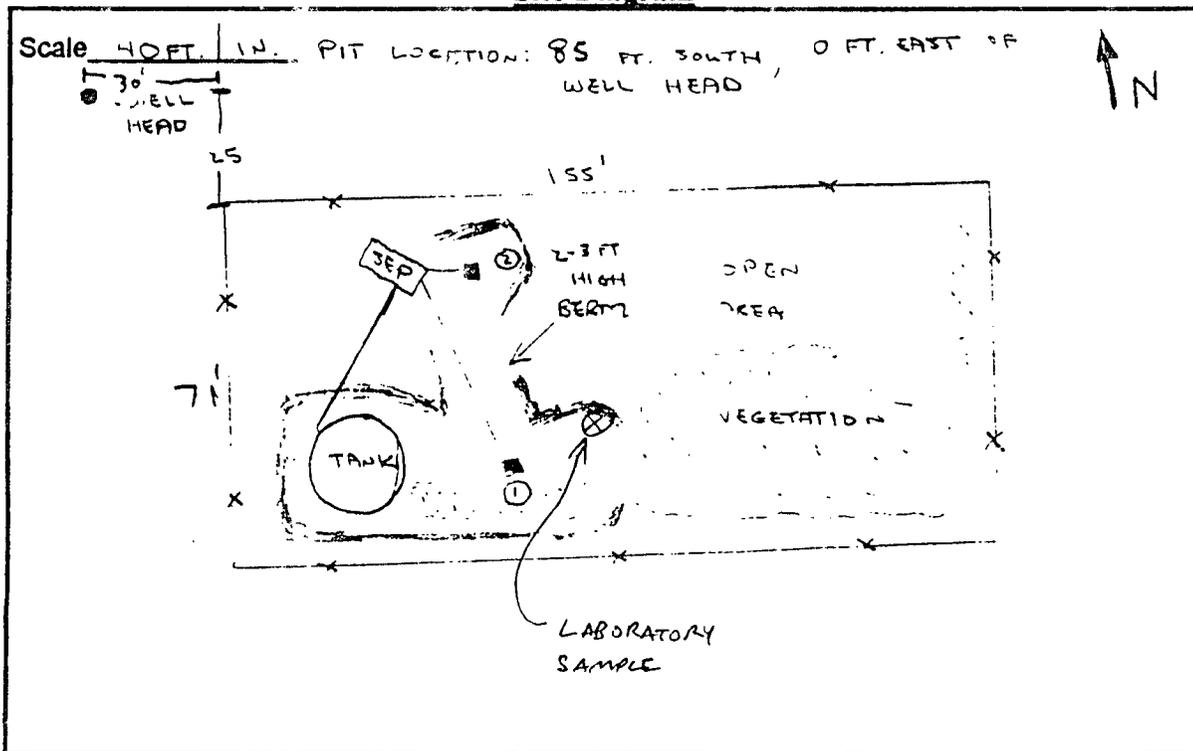
Measure

Date 8/26/92 Time 0850 - 0955
Instrument PID (pum) 37454, HAND AUGER
Calibration Date 3/25/92 (1235-TIME)
Measured Sample Condition ① 1/2 FT. (0910), ② 1 1/2 FT. (0935), SAND/CLAY MUDST
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 site (N) _____
Pit fenced (Y) netted () _____ Pit in use () Dehy (Y) Separator _____

Site Diagram



NOTE: TWO PIT LOCATIONS FOR THE SAME SEPARATOR UNIT LOCATION ① AT NEARLY 155' FROM GROUND SURFACE (APPROX)

River
1/2 mile

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.

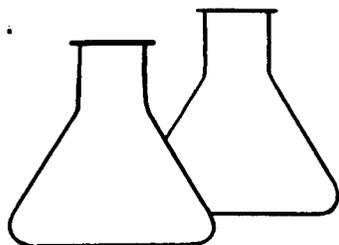
Sincerely,



Derin R. Warren
Environmental Representative

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

DRW/vka:soulsmpl



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)
Total Petroleum Hydrocarbons	686	5.0

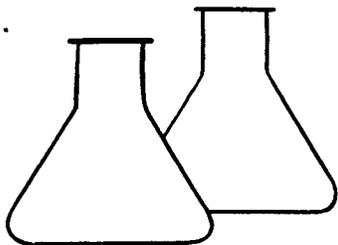
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: Calloway #1-A

A. Fernandez
Analyst

Morris 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)
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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

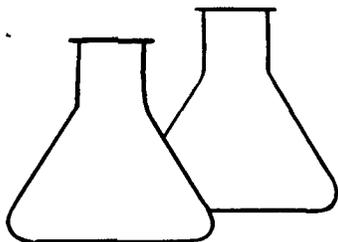
Morris D Young
Review

ENVIROTECH LABORATORIES

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 Fenwick
Analyst

Maris D. Young
Review



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

OIL CONSERVATION DIVISION
RECEIVED
93 JAN 11 AM 9 13
The Place
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

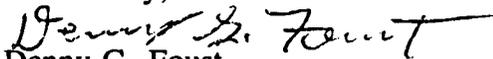
Dear Mr. Warren:

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