

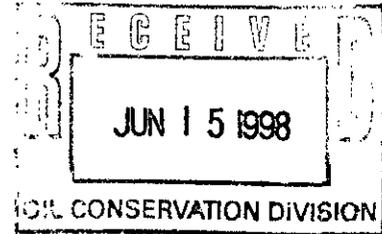
CLOSURE REPORT

AMERADA HESS CORPORATION

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P.O. BOX 840
SEMINOLE, TEXAS 79360
915/758-6700

June 10, 1998



Mr. Wayne Price
New Mexico Oil Conservation Division
P.O. Box 1980
Hobbs, New Mexico 88240

RE: **Closure Report**
Texaco State F Battery Site
(NMGSAU Battery No. 14)
Sec. 24, T-19S, R-36E
Lea County, New Mexico

Dear Mr. Price:

Enclosed find a copy of the closure report for clean-up activities at the referenced facility site. This site is located on both fee and State Trust land and different methods were employed to remediate the hydrocarbon contamination, depending on the requirements of the landowner.

If you have any questions or need additional information, please contact the undersigned at (915) 758-6741 or at the letterhead address.

Sincerely,

A handwritten signature in cursive script that reads "Samuel Small".

Samuel Small, PE
Environmental Coordinator

XC: Houston Environmental File
Seminole Environmental file
Monument File
NMOCD - Santa Fe

CLOSURE REPORT

**AMERADA HESS CORPORATION
TEXACO STATE 'F' BATTERY SITE
(NMGSAU BATTERY NO. 14)**

CLOSURE REPORT

AMERADA HESS CORPORATION TEXACO STATE 'F' BATTERY SITE (NMGSAU BATTERY NO. 14)

The following closure report summarizes the work performed at the abandoned battery site described below. Site restoration activities began at the site during September 1997 and were completed in October 1997. A work plan was developed in consultation with the New Mexico Oil Conservation Division for that portion of the abandoned battery site located on State Trust land. The work plan employed on the portion of the site located on fee land was consistent with procedures requested by the landowner at other sites where he has surface ownership.

I. Site Location and Description:

The site is located in the SE⁴ of Section 24, Township 19S, Range 36E, Lea County, New Mexico. USGS map coordinates are: Latitude 32° 38' 32" and Longitude 103° 18' 02". The area surrounding the site is primarily pasture land vegetated with native grasses and mesquite. Surface soil is made up of a thin layer of sandy loam overlaying fairly well consolidated caliche rock. The closest fresh water well is within 500 feet and southwest of the excavation site with the water level less than 50 feet from the surface (as reported by the landowner). The work site is located approximately 2/3 on fee land and 1/3 on State Trust land and is approximately 158 feet in length and 36 feet in width.

II. Background:

The State 'F' tank battery was built by Texaco, Inc. to service two wells. The wells, along with the battery, were incorporated into the Amerada Hess Corporation (AHC) operated North Monument Greyburg San Andres Unit (NMGSAU) in 1992. In 1997 the battery was abandoned and the equipment removed to provide for the construction of NMGSAU Satellite No. 4. In September 1997 work commenced at the site to clean up existing hydrocarbon contamination.

III. Conclusions:

Remediation and clean up of hydrocarbon contaminated material at the abandoned State 'F' tank battery site has been successfully completed and the potential for groundwater contamination resulting from remediated material remaining at the work site has been eliminated. Hydrocarbon contaminated material remaining at the site has been remediated to TPH and BTEX concentrations pursuant to the program submitted by AHC to the NMOCD on September 2, 1997 and is isolated from the groundwater by a two (2) foot clay barrier.

IV. Job Summary:

Contaminated material located on State Trust land and beneath the abandoned battery site was excavated to a maximum depth of approximately fifteen (15) feet. Analyses of TPH and BTEX concentrations in composite soil samples taken from the bottom of the excavation and from the sides met NMOCD "Guidelines for Remediation of Leaks, Spills and Releases. The bottom of the excavation was lined with 200 cubic yards of clay and the excavated material was remediated by dilution to a TPH level of 589 ppm. Benzene, toluene and ethyl benzene levels were less than 0.020 ppm and total xylene levels were less than 0.060 ppm.

Contaminated material located beneath the fee lease portion of the abandoned battery site was excavated to a maximum depth of approximately ten (10) feet. Analyses of TPH and BTEX

concentrations in composite soil samples taken from the bottom and sides of this excavated area met NMOCD "Guidelines for Remediation of Leaks, Spills and Releases". The excavated material was processed through a soil shredder to remove large rocks. The shredded material, approximately 2400 cubic yards, was transported to the C & C Landfarm for disposal and clean soil purchased from the landowner was used to fill the excavation.

The site was returned to grade, surface soil samples were taken from each remediated area and the project was completed on October 30, 1997.

V. Sample Analyses:

Samples from State Trust Excavation:

Sample	TPH	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
Bottom	102	< 0.020	< 0.020	< 0.020	< 0.060
Sides	58.2	< 0.020	< 0.020	< 0.020	< 0.060
Blend Pile	589	< 0.020	< 0.020	< 0.020	< 0.060

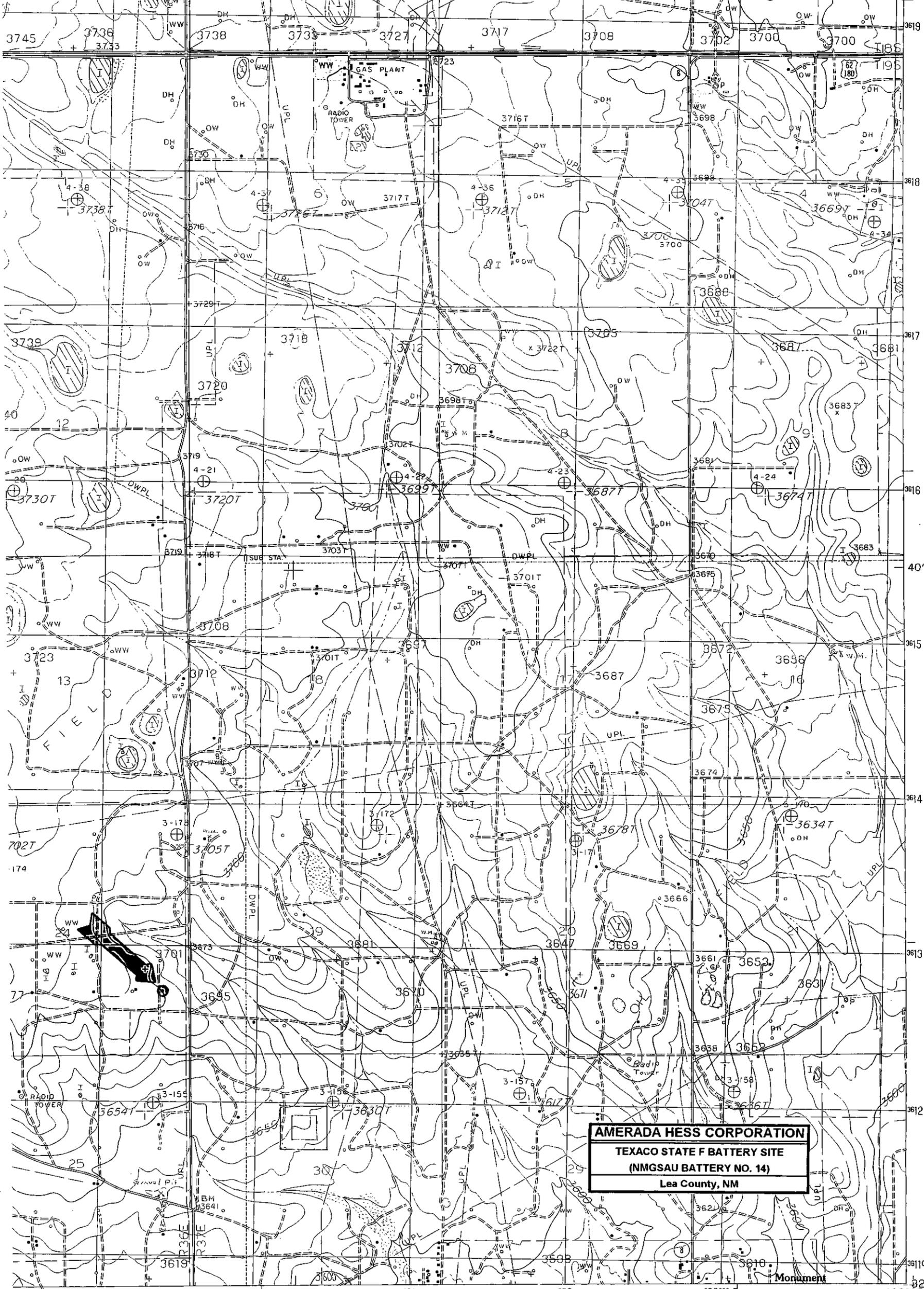
Samples from Fee Lease Excavation:

Sample	TPH	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
Bottom	48.9	< 0.020	< 0.020	< 0.020	< 0.060
Sides	< 15	< 0.020	< 0.020	< 0.020	< 0.060
Spoils Pile	857	< 0.020	< 0.020	< 0.020	< 0.060

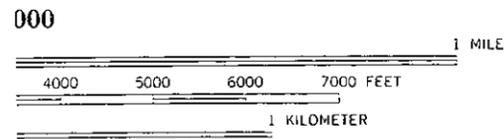
Surface Soil Samples:

Sample	TPH	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
State Trust	88	< 0.020	< 0.020	< 0.020	< 0.060
Fee Lease	28.3	< 0.020	< 0.020	< 0.020	< 0.060

MAP AND PLAT



AMERADA HESS CORPORATION
TEXACO STATE F BATTERY SITE
(NMGSAU BATTERY NO. 14)
Lea County, NM



QUADRANGLE LOCATION

L 10 FEET
INTERVAL 5 FEET

MAP ACCURACY STANDARDS
 FEDERAL GEOLOGICAL SURVEY, DENVER, COLORADO 80225
 5/INIA 22092

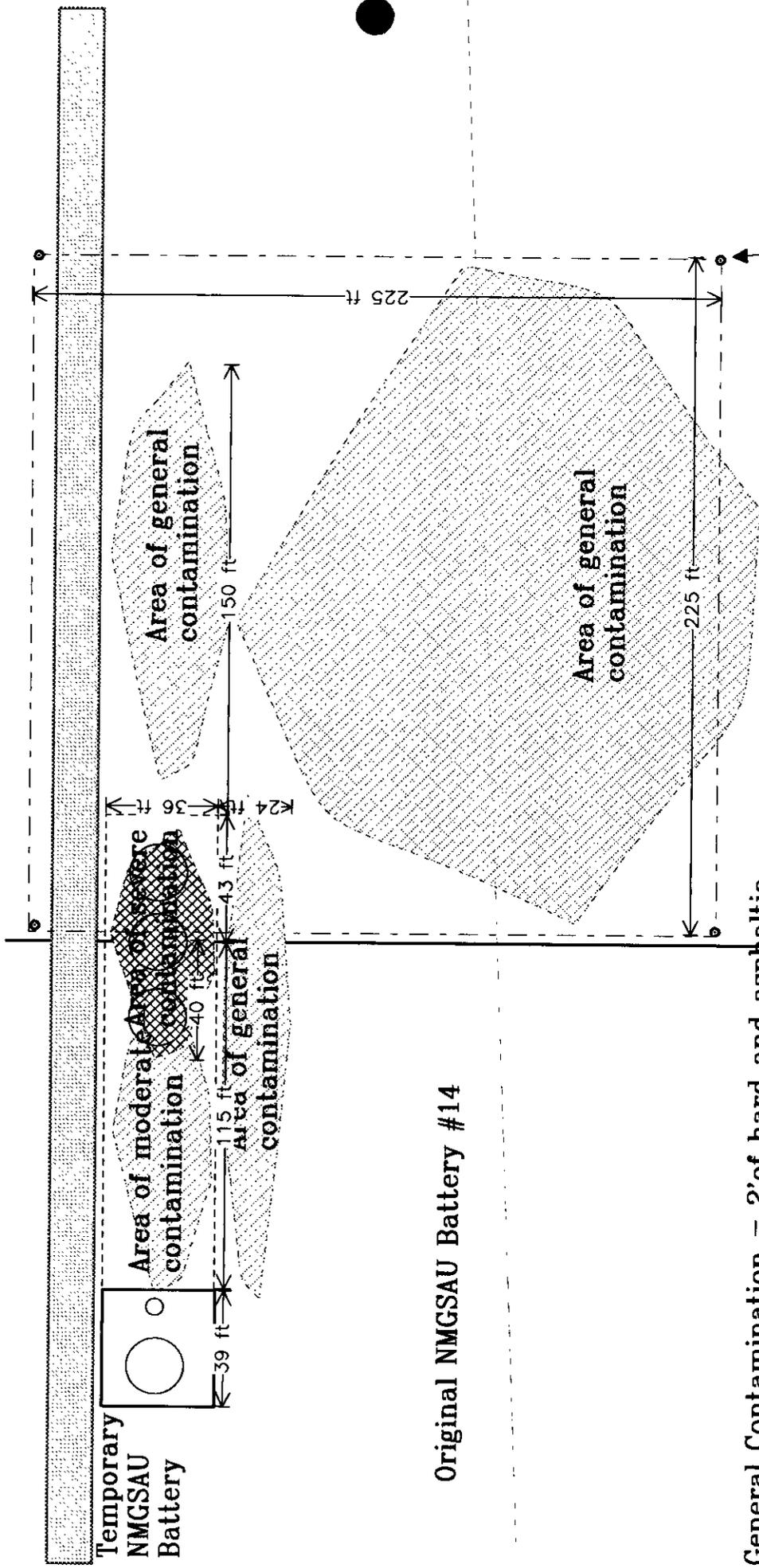
1	2	3	1 Lovington SW 2 Lovington SE 3 Humble City
4		5	4 Ironhouse Draw 5 Hobbs West 6 Monument SW
6	7	8	7 Monument South 8 Hobbs SW

ADJOINING 7.5 QUADRANGLE NAMES

- ROAD LEGEND**
- Improved Road
 - Unimproved Road
 - Trail
 - Interstate Route
 - U.S. Route
 - State Route

MONUMENT NORTH, NEW MEXICO
PROVISIONAL EDITION 1985

32103-F3-TF-024



Original NMGSAU Battery #14

General Contamination = 2' of hard and asphaltic hydrocarbon on top of hard rock/caliche. No apparent free oil or depth penetration.

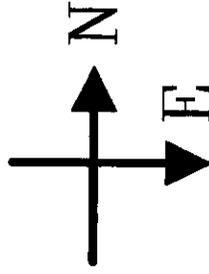
Moderately Severe Contamination = No obvious free oil but heavy and sometimes paraffinic product is evident. No apparent depth penetration.

Severe Contamination = Obvious free oil. Depth of contamination not known.

Proposed NMGSAU Sat 4 Site

Fee Land
(Jimmie T. Cooper)

State Leased Land
(Jimmie T. Cooper)



CLOSURE PLAN APPROVAL

STATE TRUST LAND