PNM – 14

Unlined Surface Impoundment Assessment Form

Site Information:

Well Name:	Hampton 4 M			
Operator:	Meridian Oil			
Legal Description:	Sec: 13	Twn: 30N	Rng: 11W	Unit: 970 FSL 1680' FWL

Vulnerable Area: ☐ Original ☐ Expanded ☒ Extended ☐ Other _____

Date: 4/23/96 **Time:** 0745 AM / PM

Well Pad Dimensions: L 250 W 150

Data Sheet #:

Canyon: Hampton Arroyo **Quad Map (#):** Aztec

County: San Juan **Run #:** 10-42

Pit Information:

PNM Pit: ☒ Yes ☐ No
☒ Active ☐ SAT
☐ Abandoned ☐ Inaccessible
L 20 W 20 D 3

PNM Equipment: ☒ Yes ☐ No
Tank Set: ☐ Yes ☒ No
Discharges to Pit:
☐ SEP ☒ DH ☐ DR ☐ None

Ref: WH ☒ Other _____
Distance from Ref. _____
Degrees: 10° E of N

OVM SAT. _____ ppm
Testhole Depth ~
Soil Desc. Dark Brn

Lab Sample: ☐ Yes ☒ No Sample #(s): _____ COC#: _____

Geographical:

Geology: ☐ SS ☒ Clay ☒ Sand ☐ Outcrop ☐ Rock ☐ Gravel ☐ Cliffs ☐ Silt ☐ Other _____

Terrain: ☐ Mesa Top ☒ Trailing Slope ☐ River Bottom ☐ Other _____

Land Use: ☒ Grazing ☐ Residential ☐ Recreation ☐ Other _____

Land Type: ☒ BLM ☐ State ☐ Fee ☐ Other _____

Vegetation:

Well Pad		Area	
☒	Normal	☒	
☐	Stressed	☐	
☐	None	☐	

Ranking:

Depth to Groundwater:
(Vertical distance from contaminants to seasonal high water elevation of groundwater)
Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) — 0

Wellhead Protection Area:
(Less than 200 feet from a private domestic water source, or less than 1,000 feet from all other water sources)
Yes (20 points)
No (0 points) — 0

Distance to Surface Water:
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals, and ditches)
Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) — 0

Distance to Ephemeral Stream (dry wash):
(Horizontal distance to all downgradient streams having a width of at least 10 feet) ***Jicarilla only***
Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) — _____

Distance to Nearest Lake, Playa, or Watering Pond:
(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds) ***Jicarilla only***
Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) — _____

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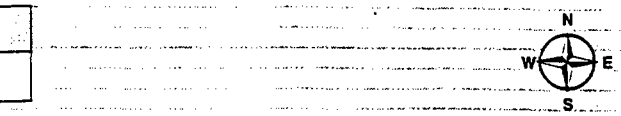
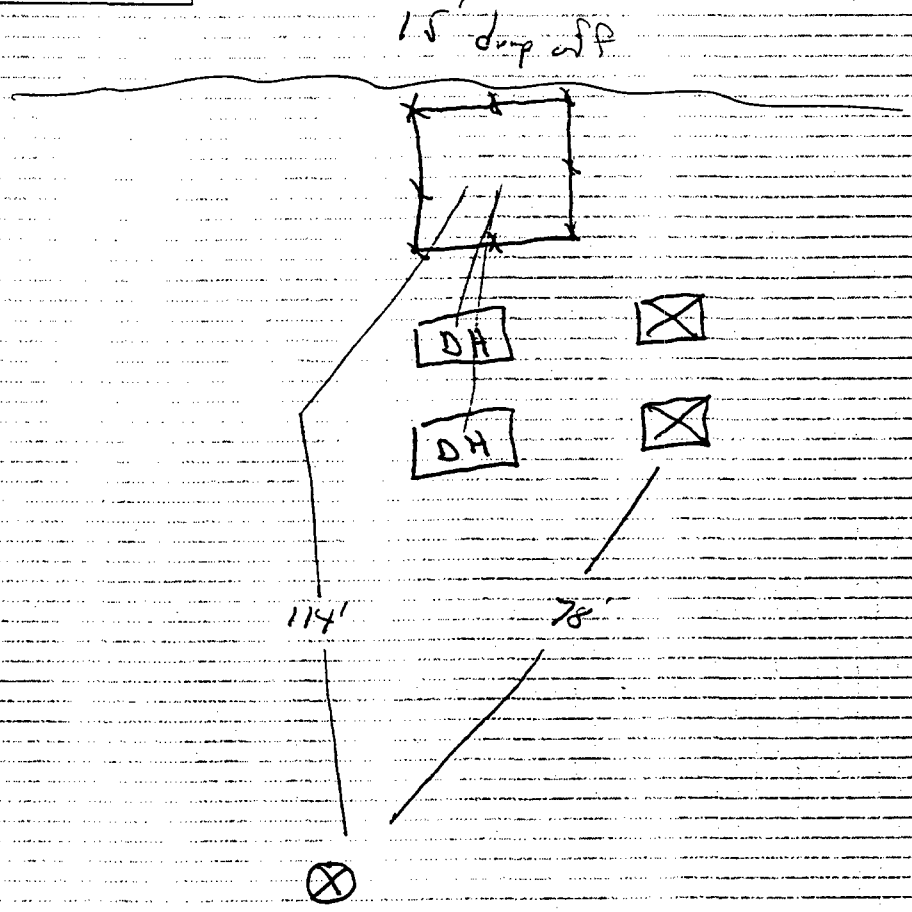
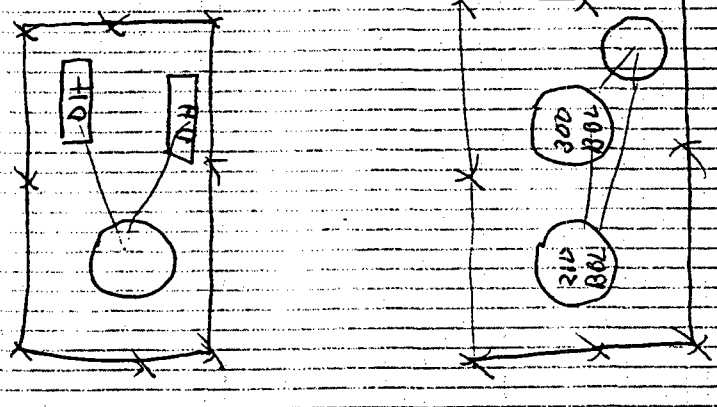
General Comments: pit located north end of location with approximately 15 ft. drop off from well site to trailing slope.
Need 45 bbl installed for Dual DH
Cannot Land Farm on site

Assessor's Signature: Ray Cook **Date:** 4-23-96

Well Name:	Hampton 4 M				Data Sheet #:
Legal Description:	Sec	Twn	Rng	Unit	
	13	30N	11W		
970' FSL & 1680 FWL					







C&C 73

District I
Box 1980, Hobbs NM
District II
P.O. Drawer DD, Artesia NM 88221
District III
1000 Rio Brazos Rd., Aztec NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY
APPROPRIA
DISTRICT OFFI
AND 1 COPY T
SANTA FE OFFI

PIT REMEDIATION AND CLOSURE REPORT

Operator PNM GAS SERVICES (SRC) Telephone: (505) 324-3764

Address: 603 W. ELM, FARMINGTON, N.M. 87401

Facility or Well Name: HAMPTON 4M

Location: Unit or Qtr/Qtr Sec _____ Sec 13 T 30N R 11W County SAN JUAN

Pit Type: Separator _____ Dehydrator XX Other _____

Land Type: BLM XX State _____ Fee _____ Other _____

Pit Location: (Attach diagram)

Pit Dimensions: length 20 width 20 depth 3

Reference: wellhead: XX Other _____

Footage from reference: _____

Direction from reference 10 Degrees X East / _____ West of North _ / South _

Depth to Ground Water: (Vertical distance from contaminates to seasonal high water elevation of ground water)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	0
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)	yes no	(20 points) (0 points)	0
Depth to Ground Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irragation canals and ditches)	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)	
		RANKING SCORE (TOTAL POINTS)	

000[illegible]

Date Remediation Started: 04/24/96 **Date Completed:** 04/25/96

Remediation Method: Excavation XX Approx. cubic yards 286

(Check all appropriate sections) Landfarmed XX Insitu Bioremediation _____

Other _____

Remediation Location: Onsite _____ Offsite HAMPTON #2 SRC

(i.e., landfarmed onsite, name and location of offsite facility) NW/4-SW/4--SEC 13 TWN 30N RNG 11W

General Description of Remedial Action: EXCAVATED CONTAMINATED SOIL FROM PIT, LANDFARMED SOIL AT HAMPTON #2, BACKED FILLED EXCAVATION WITH CLEAN FILL FROM BLM DRY WASH.

Ground Water Encountered: No XX Yes _____ Depth _____

Final Pit Sample location COMPOSITE SAMPLE OF EXCAVATION BOTTOM & WALLS

Closure Sampling: _____

(if multiple samples, attach sample results and diagram of sample locations and depth)

Sample depth _____

Sample date _____

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) _____

TPH _____

Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 04/25/96

SIGNATURE

PRINTED NAME AND TITLE RAY HASTON ENVIRONMENTAL COORDINATOR PNM

HAMPTON 4M - 13 - 30N - 11W
SRC

04/24/96

@ 0700 HOURS.

When I arrived at the Michael #1 location, a loader was already there. And the fence around the excavation appeared undisturbed. When I arrived at the Hampton 4M location the track hoe was already there.

There were flags on the location indicating that the buried lines had been "spotted."

At 0800 hours, Billy the loader operator was at Michael #1, I took him to Hampton #2, where we were going to "land farm" the contaminated soil from Hampton #4M. After showing him where we should "farm", I took him back to Michael #1 so he could finish back filling the excavation. Gary Cook was also at the location. he and I discussed the next wells to be done, we decided that we would go ahead and do Hampton #3, and Federal Gas Com L1 #1E.

When I arrived back at Hampton #4M Bill Pickard was taking down the fence. After taking down the fence, Bill and I disconnected the DH's. Dave was operating the loader in the wash, Rick was driving the twenty yard dump truck, and Ed Burton was driving the ten yard dump.

At 1000 hrs. it was decided to use both the twenty yardd dump and the ten yard dump to haul off contaminated soil. Due to the very restricted space the track hoe had to operate with, the spoil pile, as it grew, would inhibit it's movement severely enough to cause Billy Pickard to stop digging. Using both trucks allowed us to continue digging, with out frequent stops, and it allowed Dave in the wash to "stage" clean fill, for this job, and the next few jobs.

At about 11', we hit a layer of sandstone, on the east end of the excavation. This layer extended throughout the rest of the excavation. The soil was heavily comtaminated in the center of the pit at the onset, but it ran north to west as the excavation was enlarged.

The contamination went to the sandstone at least 11' on the east end of the excavation, 12' at the west end Due to the proximity of the edge of the location, on the north side of the excavation(15' drop), and the edge on the west side (15'+ drop) the track hoe was limited in how far we could dig in those directions. The South side of the excavation was "bordered" by the DH, and due to the instability of the soil I did not want to get closer than 7' to 8', in that direction. The east side of the excavation ran parallel to the location access road. This pit was in an area of the location that was of fill material. The side walls of the excavation were very un-stable. We had three "sluffs" of 3'(W) X 5'(D) X 5'(L), of the side wall, into the excavation.

We stopped digging at 1310 hours, at an excavation dimension of 32' east and west, by 21' north and south, by 11.5' deep. Two composite samples were taken, one of the excavation bottom (#9604241325), and another of the, north, south, east, and west walls (#9604241315). We land farmed approximately 286 cubic yards of material on Hampton #2 in two separate areas (see attached sheet).

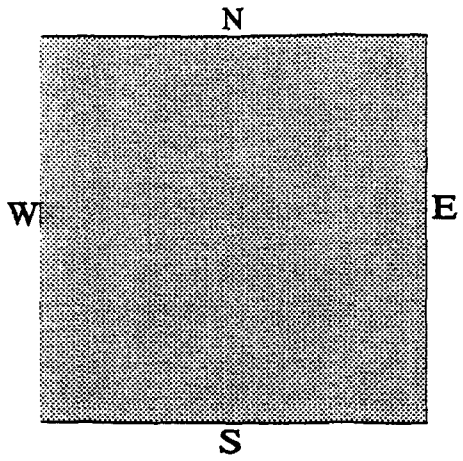
At 1530 hrs. the track hoe was on Hampton #3, and digging. The two dump trucks were hauling "clean fill" and Billy was back filling the excavation, as well as "land farming" on Hampton #2.

@ 1700 hrs: We will not need to fence the excavation the night of the 24th, it will be back-filled. I spoke with Billy about this. I also spoke to him about returning on the 04/25/96 to finish "farming" on Hampton #2. and to finish the berms. He will need some fill for the berms.

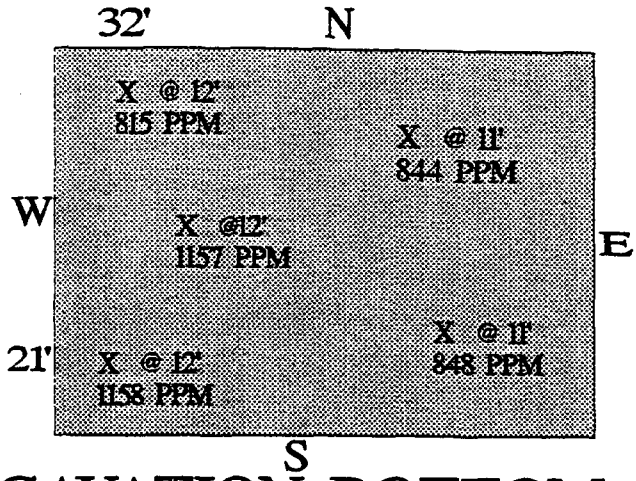
If there are any questions please contact me.

Ray Haston

20'X20'X3'

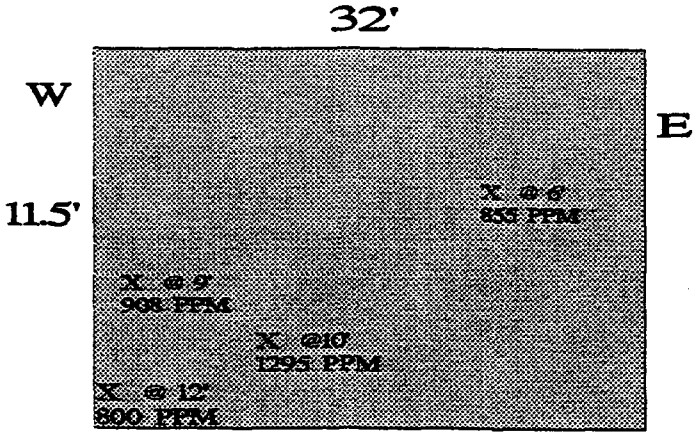


PIT AT START

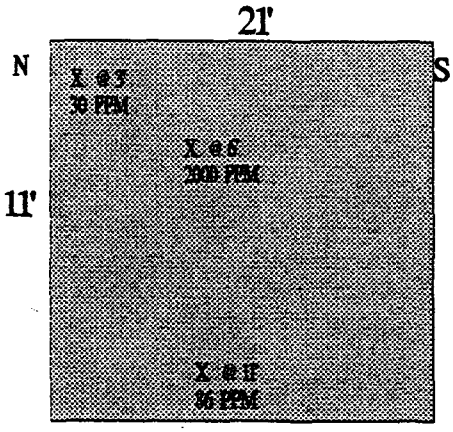


EXCAVATION BOTTOM AT END(composite sample)

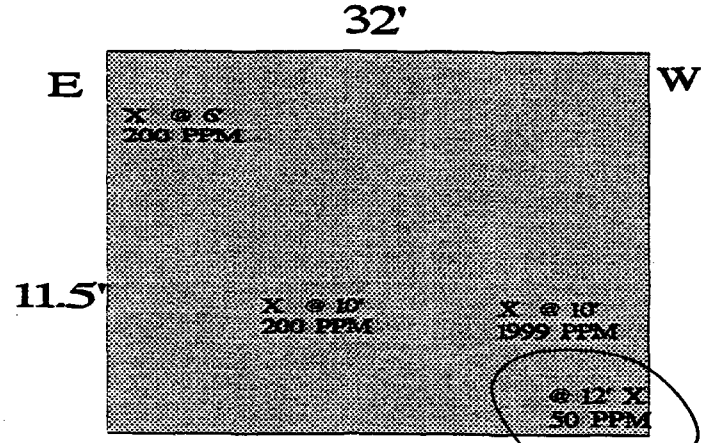
SAMPLE #9604241325



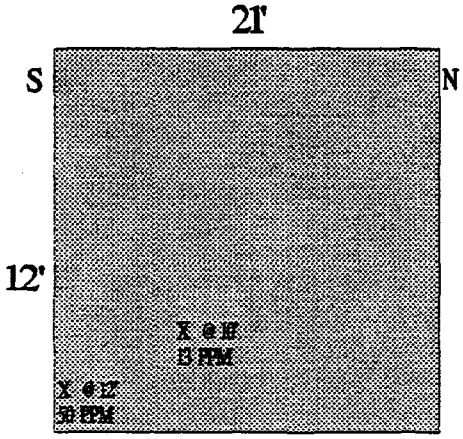
NORTH WALL



EAST WALL

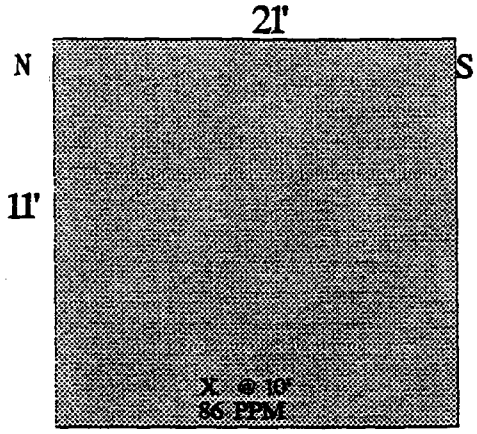


SOUTH WALL



WEST WALL

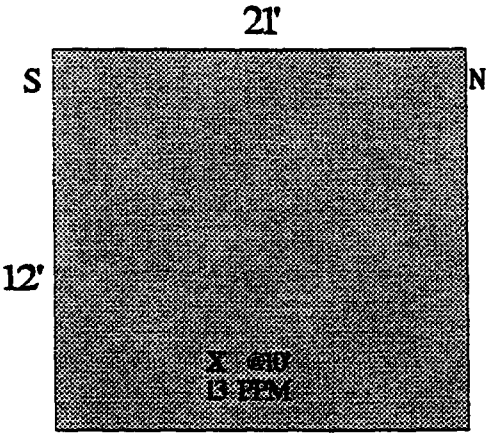
HAMPTON #4M EXCAVATION — 04/24/96



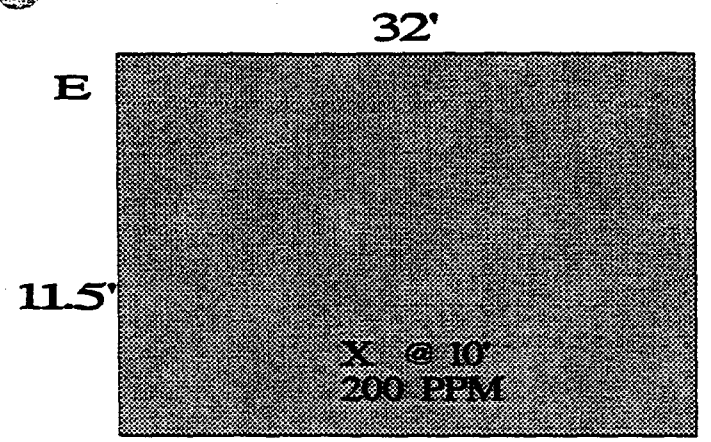
COMPOSITE SAMPLE TAKEN OF NORTH, SOUTH, EAST, & WEST WALLS OF EXCAVATION.

SAMPLE # 9604241315

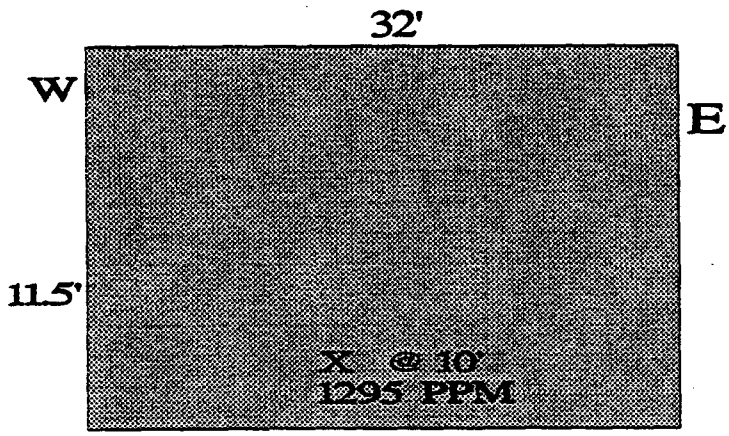
EAST WALL



WEST WALL

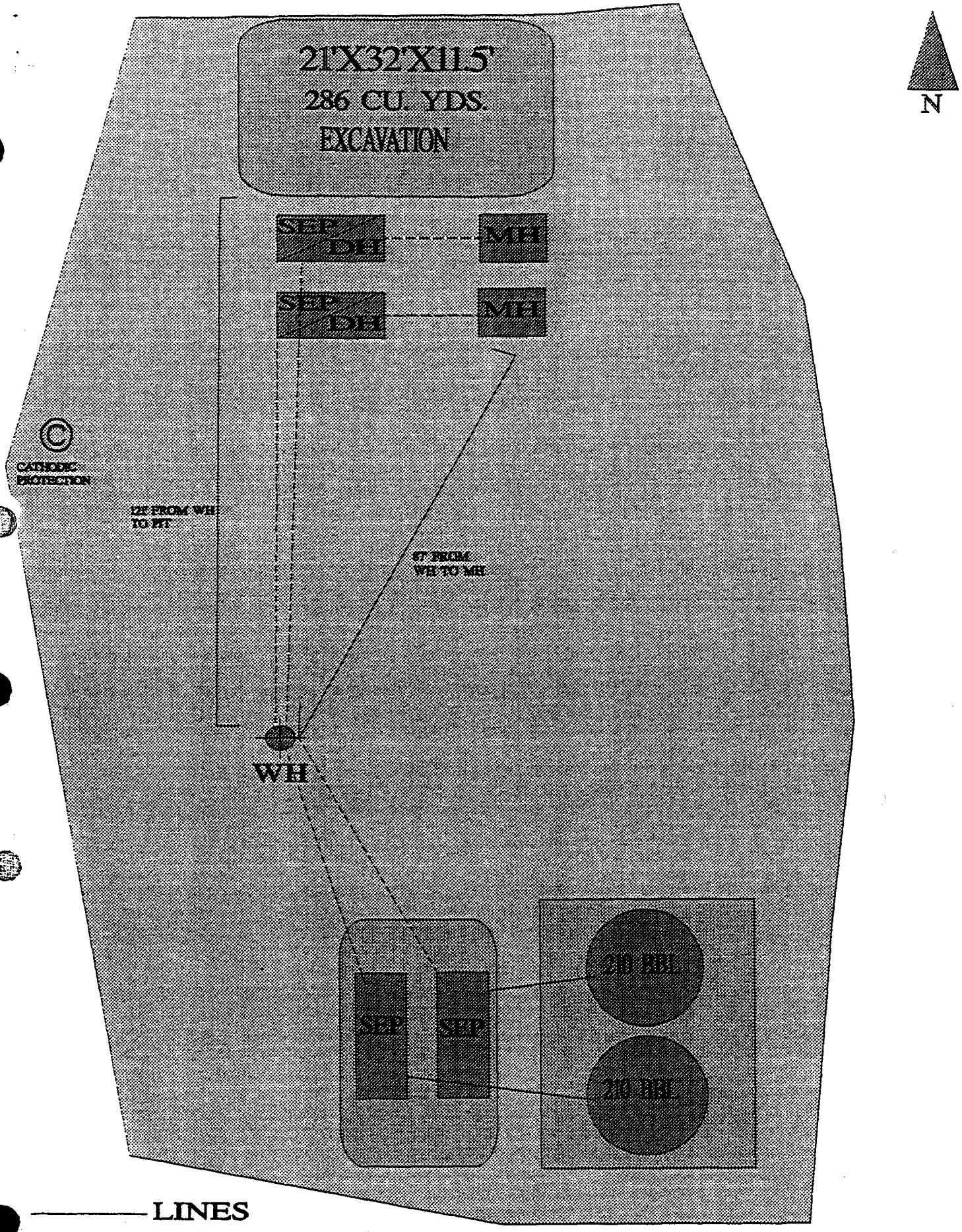


SOUTH WALL



NORTH WALL

HAMPTON #4M EXCAVATION — 04/24/96



——— LINES

..... BURIED LINES

HAMPTON #4M EXCAVATION — 04/24/96