

**1RP - 484**\_\_\_\_\_

**APPROVALS**

**YEAR(S):**

**2007**\_\_\_\_\_

\_\_\_\_\_

**Price, Wayne, EMNRD**

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**From:** Price, Wayne, EMNRD  
**Sent:** Monday, December 17, 2007 3:13 PM  
**To:** mark@laenvironmental.com  
**Subject:** John Hindrex 1R0483 and 1R0484 Elliot

Dear Mark,

Sorry for the delay, I was out sick with the flu. Pursuant to our meeting last week OCD hereby approves the pit closure plans as described in the meeting. Groundwater monitoring and possible remediation will continue as discussed.

Please be advised that OCD approval of this plan does not relieve the owner/operator of responsibility should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Wayne Price-Environmental Bureau Chief  
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12/17/2007

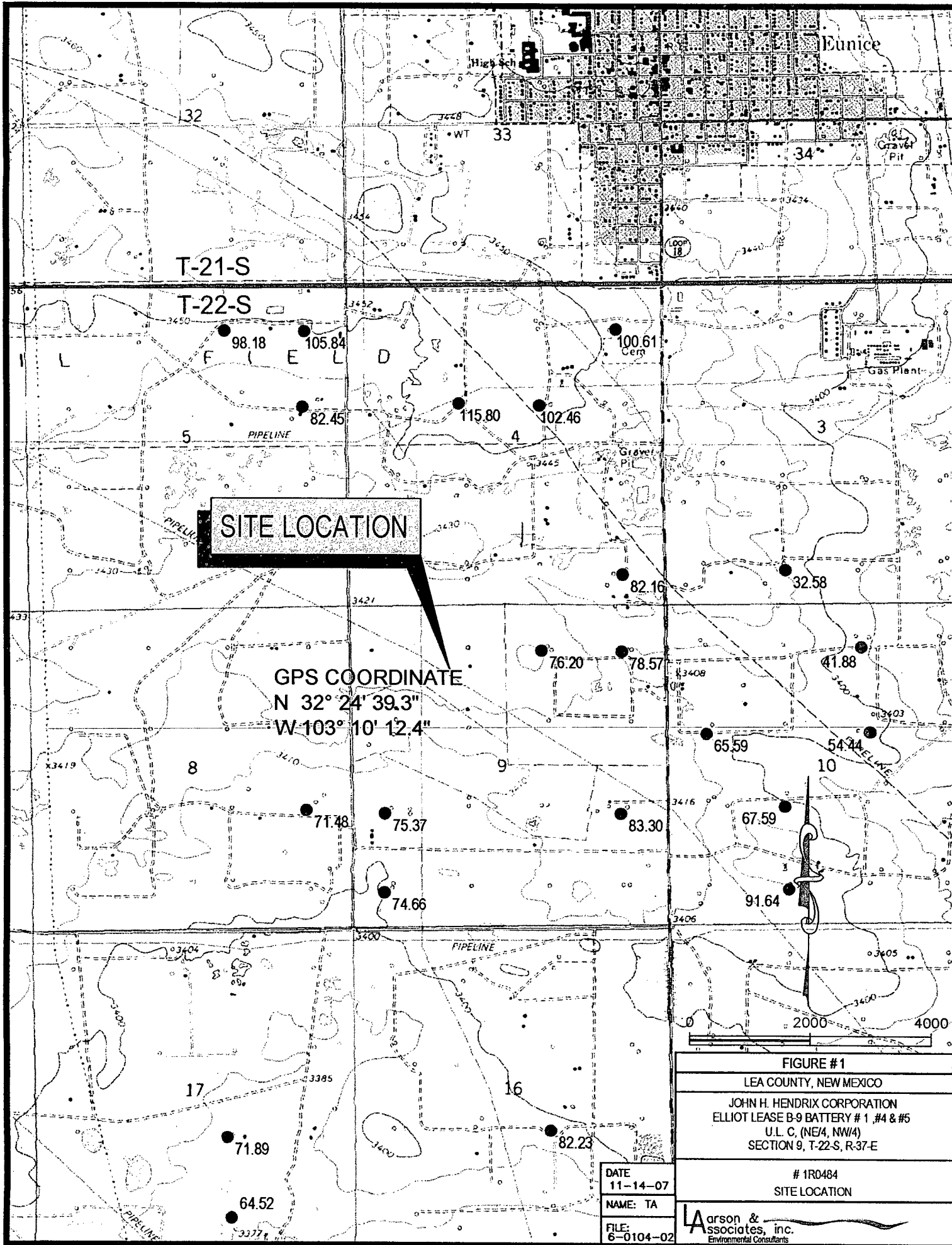


FIGURE #1

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION  
ELLIOT LEASE B-9 BATTERY # 1 #4 & #5  
U.L. C. (NE/4, NW/4)  
SECTION 9, T-22-S, R-37-E

# 1R0484

SITE LOCATION

DATE  
11-14-07

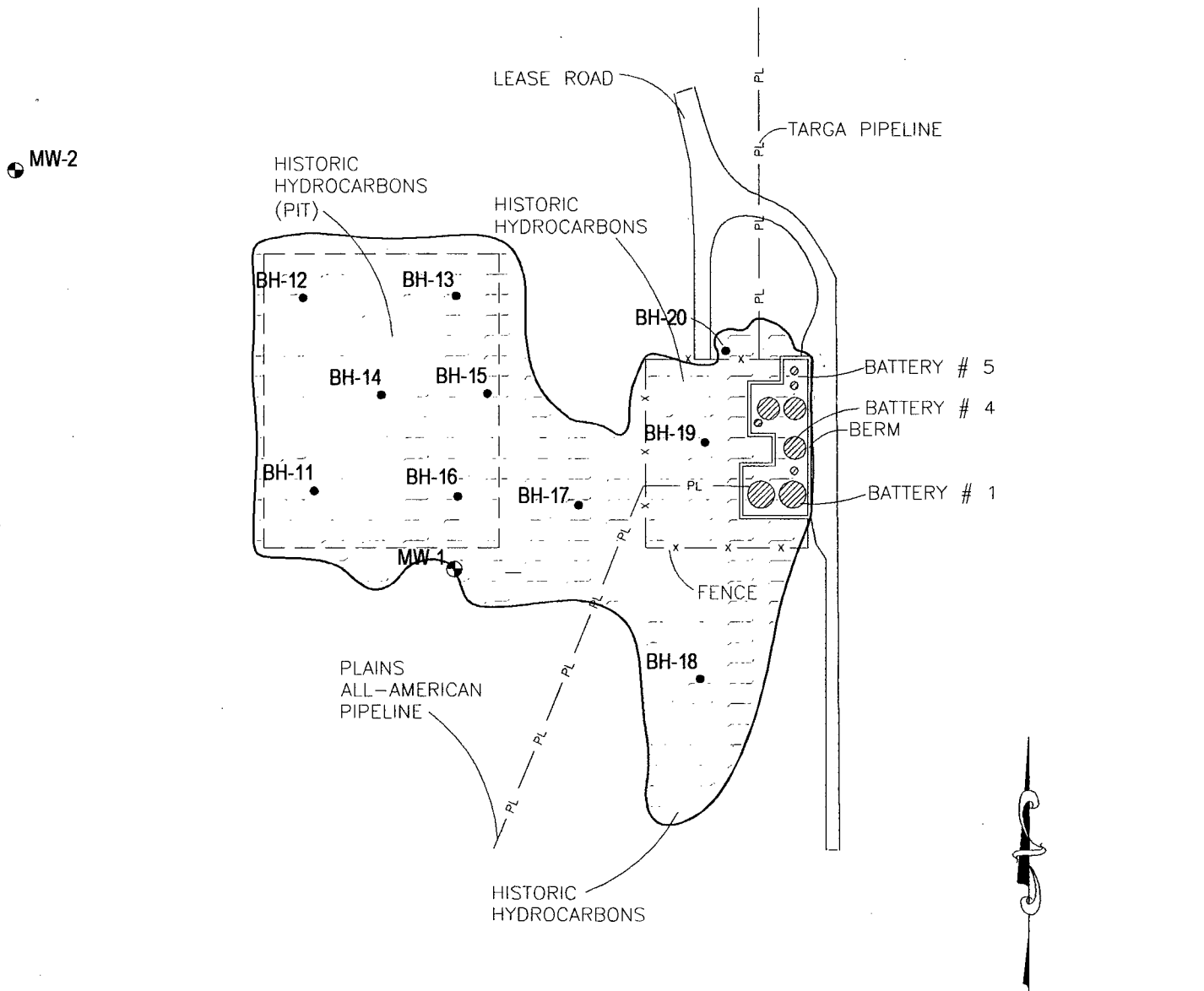
NAME: TA

FILE:  
6-0104-02

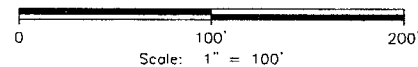
Larson &  
Associates, Inc.  
Environmental Consultants

# SITE GPS

N 32° 24' 42.4"  
W 103° 10' 31.1"



GRAPHIC SCALE IN FEET



## FIGURE #2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION

ELLIOT LEASE B-9 BATTERY # 1, #4 & #5

U.L. C. (NE/4, NW/4)

SECTION 9, T-22-S, R-37-E

# 1R0483

SITE DRAWING

DATE  
11-14-07

NAME: TA

FILE:  
6-0104-01

**L**arson &  
ssociates, inc.  
Environmental Consultants

## LEGEND

BH-11 • BORE HOLE LOCATION

MW-1 ● MONITORING WELL LOCATION

Table 1  
1R0484

Monitoring Well Drilling and Completion Details

John H. Hendrix Corporation, Elliott B-9 Tank Battery #1, #4 and #5

Unit C (NE/4, NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

| Well Number | Date Drilled | Drilled Depth (Feet BGS) | Well Depth (TOC) | Casing Stickup (Feet) | Well Screen (Feet BGS) | Water Level (Feet BGS) |
|-------------|--------------|--------------------------|------------------|-----------------------|------------------------|------------------------|
| MMW-1       | 10/16/07     | 90                       | 90.27            | 3.30                  | 67.03 - 86.34          | 77.99<br>(10/16/07)    |
| MMW-2       | 12/03/07     | 91                       | 92.84            | 2.40                  | 70.50 - 89.81          | 78.79<br>(12/03/07)    |

Note: Wells drilled and installed by Scarborough Drilling, Inc., using 2-inch Schedule 40 PVC casing and 0.010-inch slotted screen.

1. BGS: Feet below ground surface
2. TOC: Feet below top of PVC well casing

Table 2  
1R0484

Summary of Laboratory Analysis of Monitor Well Soil Samples  
John H. Hendrix Corporation, Elliott B-9 Tank Battery #1, #4 and #5  
Unit Letter C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

| Sample | Sample Depth | Date     | GRO<br>C6-C12 | DRO<br>C12 - C28 | Total TPH<br>C6-C28 | Chloride |
|--------|--------------|----------|---------------|------------------|---------------------|----------|
| MW-1   | 0'           | 10/16/07 | <15.2         | <15.2            | <15.2               | 21.3     |
|        | 20'          | 10/16/07 | 21.4          | 26.9             | 48.3                | 42.5     |
|        | 40'          | 10/16/07 | <15.3         | <15.3            | <15.3               | 42.5     |
|        | 60'          | 10/16/07 | <15.7         | <15.7            | <15.7               | 53.2     |
| MW-2   | 0'           | 12/03/07 | --            | --               | --                  | <5.01    |
|        | 20'          | 12/03/07 | --            | --               | --                  | 59.5     |
|        | 40'          | 12/03/07 | --            | --               | --                  | 5.83     |
|        | 60'          | 12/03/07 | --            | --               | --                  | <4.93    |

Notes: Analysis performed by Environmental Lab of Texas, Ltd., Odessa, Texas  
Results are reported in mg/Kg.  
1. GRO: Gasoline - range organics  
2. DRO: Diesel - range organics  
3. --: No data available

Table 3

1R0484

## Summary of Laboratory Analysis of Monitor Well Sample

John H. Hendrix Corporation, Elliott B-9 Tank Battery #1, #4 and #5

Unit Letter C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

| Parameter                | Reporting Units | EPA/NMED Threshold | MW-1<br>10/16/07 | MW-2<br>12/03/07 |
|--------------------------|-----------------|--------------------|------------------|------------------|
| <b>Characteristics</b>   |                 |                    |                  |                  |
| Chloride                 | mg/L            | 250                | 1.710            | 57.3             |
| Fluoride                 | mg/L            | 1.6                | 1.70             | 1.70             |
| Nitrate-N                | mg/L            | 10                 | 1.83             | 1.83             |
| Sulfate                  | mg/L            | 600                | 223              | 87.6             |
| Alkalinity, Bicarbonate  | mg/L            | --                 | 215              | 204              |
| Alkalinity, Carbonate    | mg/L            | --                 | <10              | <10              |
| Alkalinity, Hydroxide    | mg/L            | --                 | <10              | <10              |
| Alkalinity, Total        | mg/L            | --                 | 215              | 204              |
| pH                       | pH units        | 6 - 9              | 7.02             | --               |
| Total Dissolved Solids   | mg/L            | 1,000              | 3,300            | 542              |
| <b>Volatile Organics</b> |                 |                    |                  |                  |
| Benzene                  | mg/L            | 0.01               | <0.0008          | <0.0008          |
| Ethylbenzene             | mg/L            | 0.75               | <0.002           | <0.002           |
| Toluene                  | mg/L            | 0.75               | <0.002           | <0.002           |
| Total Xylenes            | mg/L            | 0.62               | <0.003           | <0.003           |
| Total BTEX               | mg/L            | --                 | <0.0078          | <0.0078          |
| <b>Metals</b>            |                 |                    |                  |                  |
| Arsenic                  | mg/L            | 0.1                | 0.00694          | 0.022            |
| Barium                   | mg/L            | 1.0                | 0.0728           | 0.0339           |
| Cadmium                  | mg/L            | 0.01               | <0.0003          | <0.0003          |
| Calcium                  | mg/L            | --                 | 370              | 36.5             |
| Chromium                 | mg/L            | 0.05               | <0.002           | <0.002           |
| Lead                     | mg/L            | 0.05               | <0.0003          | <0.0003          |
| Magnesium                | mg/L            | --                 | 167              | 15.2             |
| Mercury                  | mg/L            | 0.002              | <0.00008         | <0.00008         |
| Potassium                | mg/L            | --                 | 12.7             | 4.36             |
| Selenium                 | mg/L            | 0.05               | 0.00938          | 0.00653          |
| Silver                   | mg/L            | 0.05               | <0.001           | <0.001           |
| Sodium                   | mg/L            | --                 | 445              | 92.9             |

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, Texas

1. mg/L: Milligrams per liter

2. &lt;: Below method detection limit

3. --: No data available