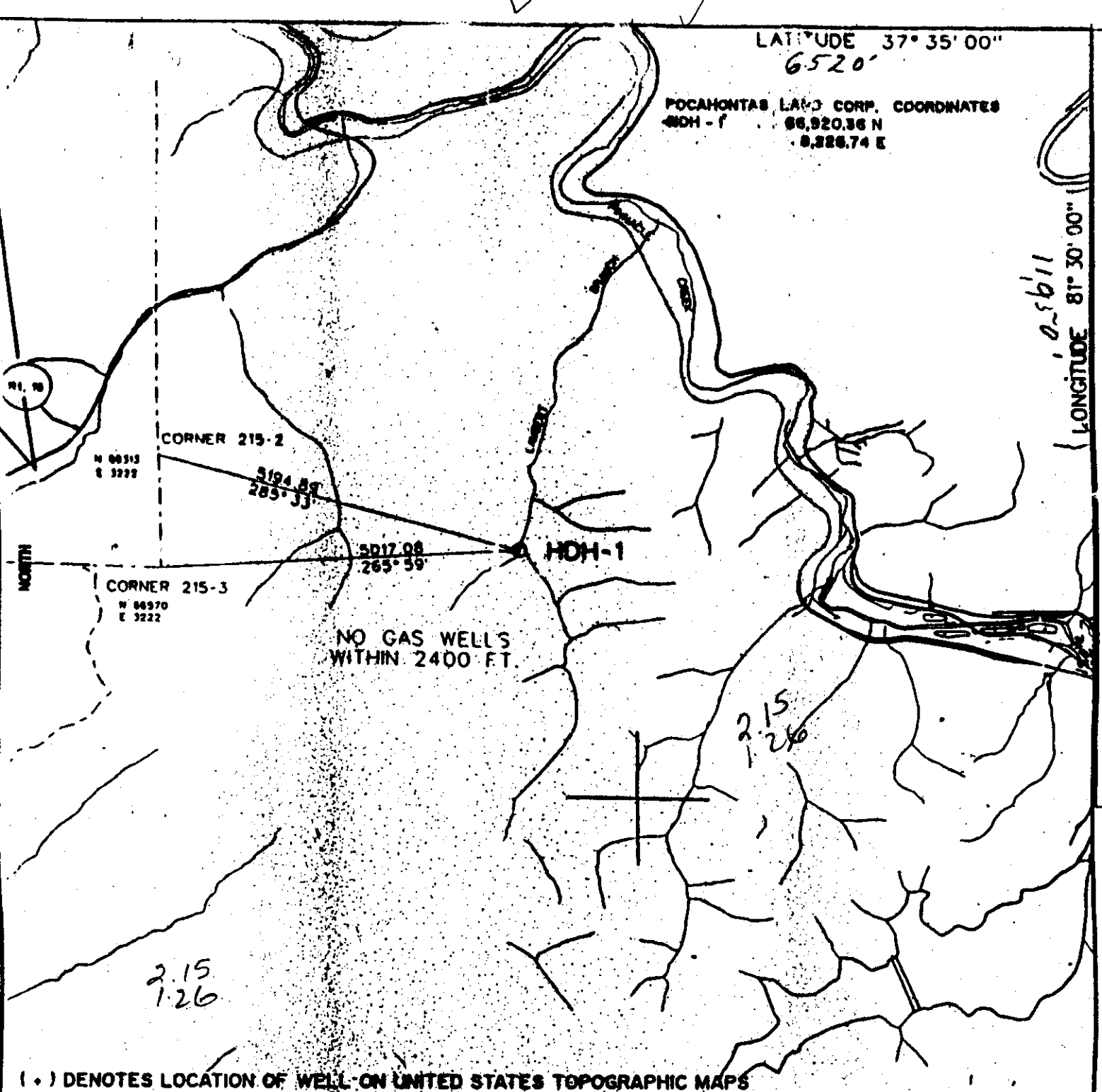


LATITUDE 37° 35' 00"  
6520'

POCAHONTAS LAND CORP. COORDINATES  
HDH-1 66,920.36 N  
8,226.74 E

LONGITUDE 81° 30' 00"



CORNER 215-2  
N 88313  
E 3222  
3124.82  
285° 33'  
CORNER 215-3  
N 86970  
E 3222

5017.08  
265° 59' HDH-1

NO GAS WELLS  
WITHIN 2400 FT.

2.15  
1.26

2.15  
1.26

(.) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 2000'  
MINIMUM DEGREE OF  
ACCURACY 1: 2500  
PROVEN SOURCE OF  
ELEVATION PLC AS - 7

I THE UNDERSIGNED, HEREBY CERTIFY THAT  
THIS PLAT IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND BELIEFS AND SHOWS ALL THE  
INFORMATION REQUIRED BY LAW AND THE REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPT-  
MENT OF ENERGY  
(SIGNED) [Signature]  
R.P.E. 2430 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS



DATE NOVEMBER 26 19 91  
OPERATOR'S WELL NO. HDH-1  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS" PRODUCTION X STORAGE DEEP SHALLOW X) STATE COUNTY PERMIT

LOCATION: ELEVATION 1481 WATERSHED LAMBERT BRANCH OF PINNACLE CREEK  
DISTRICT CENTER COUNTY WYOMING

QUADRANGLE PINEVILLE 415 SE  
SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE \_\_\_\_\_  
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORP LEASE ACREAGE \_\_\_\_\_

LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR  
STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW  
FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON  CLEAN OUT AND REPLUS   
TARGET FORMATION POCA NO. 3 SEAM ESTIMATED DEPTH 503' EST. BOTTOM ELEV. 978  
WELL OPERATOR U.S. STEEL MINING CO INC DESIGNATED AGENT L. J. SIMPKINS  
ADDRESS BOX 338, PINEVILLE WV 24874 ADDRESS BOX 338, PINEVILLE WV 24874

890

8-0 251

COUNTY NAME .  
PERMIT

**RECEIVED**  
 FORM JW-2B  
 Environmental Protection

109-1296  
 Issued 12/11/92  
 Expires 12/11/94  
 Page 3 of 6

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

NOV 25 92

1) Permitting  
 Office of Oil & Gas

Operator: U. S. Steel Mining Co., Inc. <sup>890</sup> 50510 3 (548)

- 2) Operator's Well Number: HDH-1 3) Elevation: 1481
- 4) Well type: (a) Oil  or Gas   
 (b) If Gas: Production  / Underground Storage   
 Deep  / Shallow
- 5) Proposed Target Formation(s): Pocahontas No. 3 Seam <sup>998</sup>
- 6) Proposed Total Depth: 503' feet
- 7) Approximate fresh water strata depths: None
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: Poca. No. 3 Seam - 503' (Est. Bottom El. 978)
- 10) Does land contain coal seams tributary to active mine? Yes  / No
- 11) Proposed Well Work: Existing Borehole Access (to an underground mine area) which will be used to transport gas collected from mined seam to surface for commercialization.
- 12)

**CASING AND TUBING PROGRAM**

| TYPE         | SPECIFICATIONS |        | FOOTAGE INTERVALS |              | CEMENT |              |
|--------------|----------------|--------|-------------------|--------------|--------|--------------|
|              | Size           | Grade  | Weight per ft.    | For drilling |        | Left in well |
| Conductor    |                |        |                   |              |        |              |
| Fresh Water  |                |        |                   |              |        |              |
| Coal         |                |        |                   |              |        |              |
| Intermediate |                |        |                   |              |        |              |
| Production   | 8" Steel       | Casing |                   |              | 503'   | 175 ft. 3    |
| Tubing       |                |        |                   |              |        |              |
| Liners       |                |        |                   |              |        |              |

**PACKERS** : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket Sure  Agent  
 (Type)

5193/39

RECEIVED  
WV DEPARTMENT OF ENERGY  
NOV 25 92

- 1) Date: November 18, 1992
- 2) Operator's well number HDH-1
- 3) API Well No: 47 - 109 - 1296  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
  - (a) Name Pocahontas Land Corp.  
Address 800 Princeton Avenue  
Bluefield, WV 24701
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Rodney Dillon  
Address P.O. Box 1526  
Sophia, WV 25921  
Telephone (304)- 683-3989

- 5) (a) Coal Operator:
  - Name U. S. Steel Mining Co., Inc.  
Address Box 338  
Pineville, WV 24874
  - (b) Coal Owner(s) with Declaration
    - Name Pocahontas Land Corp.  
Address 800 Princeton Avenue  
Bluefield, WV 24701
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration
    - Name USX Corporation  
Address P.O. Box 5686  
Princeton, WV 24740

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

       Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
 X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)  
 I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 6 on the above named parties, by:  
 X Personal Service (Affidavit attached)  
 \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)  
 \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator U. S. Steel Mining Co., Inc.  
 By: [Signature]  
 Its: John L. Schroder, III - General Manager  
 Address Box 338  
Pineville, WV 24874  
 Telephone (304) 732-5249

Subscribed and sworn before me this 24 day of November, 19 92

[Signature] Notary Public  
 My commission expires March 14, 2000

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP. Operator Well No.: HDH-1  
 Location: Elevation: 1,481.0 Quadrangle: Pineville  
 District: CENTER County: WYOMING  
 Latitude: 11,950 Feet South of 37 Deg. 35 Min. 00 Sec.  
 Longitude: 6,520 Feet West of 81 Deg. 30 Min. 00 Sec.  
 Company: U.S. STEEL MINING CO.  
 P.O. Box 338  
 Pineville, WV  
 24874-0338

Agent: J. A. Zupanick

Inspector: Offie Helmick  
 Permit Issued: 12/11/92  
 Well work commenced: (see note below)  
 Well work completed: \_\_\_\_\_  
 Verbal plugging permission granted on: \_\_\_\_\_  
 Rotary \_\_\_\_\_ Cable \_\_\_\_\_ Rig \_\_\_\_\_  
 Total depth (ft) 498  
 Fresh water depths (ft) \_\_\_\_\_  
 Salt water depths (ft) \_\_\_\_\_  
 Is coal being mined in the area (Y/N)? Y  
 Coal depths (ft): 334-336, 439-442, 495-498

| Casing & Tubing | Used in Drilling | Left in Well | Cement Fill up      |
|-----------------|------------------|--------------|---------------------|
| 8-5/8"          |                  | 498'         | 175 ft <sup>3</sup> |
|                 |                  |              |                     |
|                 |                  |              |                     |
|                 |                  |              |                     |
|                 |                  |              |                     |

OPEN FLOW DATA

Producing formation Pocahontas No. 3 Seam Pay zone depth (ft) 498  
 Gas: Initial open flow n/a Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests: \_\_\_\_\_ hours  
 Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ hours  
 Second Producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests: \_\_\_\_\_ hours  
 Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ hours

Note: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Note: This well is permitted as a CBM vent well. The casing is incorporated within the concrete wall of an 18 ft. diameter coal mine ventilation shaft. The shaft was constructed under DEP Permit No. EM-25 (NPDES Permit No. WV0090042) prior to the issuance of this permit.

For: J. A. Zupanick  
 U.S. Steel Mining Co., Inc.  
 By: Joseph A. Zupanick  
 Date: February 13, 1995

Operator: HDH-1  
API: 47-109-1296  
Location: LBR Shaft

### Details of Perforated Intervals, Fracturing or Stimulation, Physical Change, Etc.

CBM vent hole located at Lambert Branch Shaft. No stimulation performed.

### Well Log & Geologic Record

| Formation      | Top | Bottom |
|----------------|-----|--------|
|                |     |        |
| Unconsolidated | 0   | 10     |
| Sand           | 10  | 164    |
| Shale          | 164 | 210    |
| Quartz         | 210 | 334    |
| Coal           | 334 | 336    |
| Sand & Shale   | 336 | 396    |
| Shale          | 396 | 439    |
| Coal           | 439 | 442    |
| Sand & Shale   | 442 | 495    |
| Coal           | 495 | 498    |
|                |     |        |
|                |     |        |
|                |     |        |
|                |     |        |
|                |     |        |

RECEIVED  
WV Division of  
Environmental Protection

NOV 25 92

Page 1 of 6

Form WW2-A  
(09/87)

Coal Operator/Owner/Lessee Copy

Permitting  
Office of Oil & Gas

- 1) Date: November 18, 1992
- 2) Operator's well number HDH-1
- 3) API Well No: 47 - 109 - 1296  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

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Bluefield, WV 24701
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name U. S. Steel Mining Co., Inc.  
Address Box 338  
Pineville, WV 24874
  - (b) Coal Owner(s) with Declaration  
Name Pocahontas Land Corp.  
Address 800 Princeton Avenue  
Bluefield, WV 24701
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name USX Corporation  
Address P. O. Box 5686  
Princeton, WV 24740
- 6) Inspector Rodney Dillon  
Address P. O. Box 1526  
Sophia, WV 25921  
Telephone (304)- 683-3989

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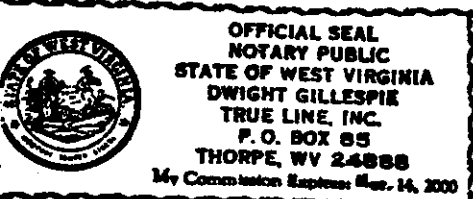
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I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 6 on the above named parties, by:

- X   Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

(INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE ON REVERSE SIDE)



Well Operator U. S. Steel Mining Co., Inc.  
 By: [Signature]  
 Its: John L. Schroder, III - General Manager  
 Address Box 338  
Pineville, WV 24874  
 Telephone (304) 732-5249

Subscribed and sworn before me this 24 day of November, 1992

[Signature] Notary Public  
 My commission expires March 14, 2000