



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

FILE NO. USM/HDH
 DRAWING NO. HDH-8
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:2400
 PROVEN SOURCE OF ELEVATION USGS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) [Signature]
 R.P.E. 2430 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 OIL AND GAS DIVISION



DATE November 18, 1992
 OPERATOR'S WELL NO. HDH-8
 API WELL NO. _____
47 - 109 - 12990
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1842.51 WATER SHED Baldwin Branch of Pinnacle Creek
 DISTRICT Center, 3 COUNTY Wyoming
 QUADRANGLE Pineville 415 SK
 SURFACE OWNER Pocahontas Land Corp. 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) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Poca. No. 3 Seam ESTIMATED DEPTH 944.5 8-0 251
 WELL OPERATOR U. S. Steel Mining Co. DESIGNATED AGENT L. J. Simpkins
 ADDRESS Box 338 Pineville, WV 24874 ADDRESS Box 338 Pineville, WV 24874

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-8
Location: Elevation: 1,842.51 Quadrangle: Pineville
District: CENTER County: WYOMING
Latitude: 10,380 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude: 11,400 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) 740
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in the area (Y/N)? Y
Coal depths (ft): 673-675, 683-686, 736-740

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill up
16"	8'	8'	10 ft ³
13-3/8"		915'	230 ft ³

OPEN FLOW DATA

Producing formation Pocahontas No. 3 Seam Pay zone depth (ft) 740
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 previously served as a coal mine de-watering borehole. The borehole was drilled under DEP Permit No. U-204-83 (NPDES WV0090000) 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-8
API: 47-109-1299
Location: Baldwin Br.

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

CBM vent hole located at Baldwin Br. Pump Borehole. No stimulation performed.

Well Log & Geologic Record

Formation	Top	Bottom
Fill	0	3
Sand	3	100
Shale	100	125
Sand & Shale	125	357
Sand	357	447
Sand & Shale	447	570
Sand	570	690
Sand & Shale	690	710
Quartz	710	830
Sand & Shale	830	900
Coal	900	903
Shale	903	939
Mine Void	939	943

109-1299
 issued 12/11/92

Permitting
 Office of Oil & Gas

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

890

Expires 12/11/94

- 1) Well Operator: U. S. Steel Mining Co., Inc. 50510 (3) 548
- 2) Operator's Well Number: HDH-8 3) Elevation: 1842.51
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Pocahontas No. 3 Seam 998
- 6) Proposed Total Depth: 898.0 feet
- 7) Approximate fresh water strata depths: None
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: Poca. No. 3 Seam - 898.0 (Est. Bottom EL. 898)
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: existing vent hole
- 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			898.0	314
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

5193/39
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent

RECEIVED
Environmental Protection
NOV 25 92
Permitting
Office of Oil & Gas

1) Date: November 18, 1992
2) Operator's well number
HDH-8
3) API Well No: 47 - 109 - 1299
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 _____

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 _____

6) Inspector Rodney Dillon
Address P.O. Box 1526
Sophia, WV 25921
Telephone (304)-683-3989

(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: John L. Schroder, III
Its: John L. Schroder, III - General Manager
Address Box 338
Pineville, WV 24874
Telephone (304) 732-5249



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
DWIGHT GILLESPIE
TRUE LINE, INC.
P.O. BOX 85
THORPE, WV 24888
My Commission Expires: Mar. 14, 2000

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

Dwight Gillespie
Notary Public
My commission expires March 14, 2000