

4501' on USGS

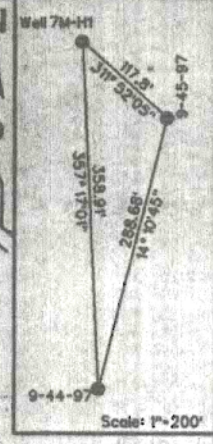
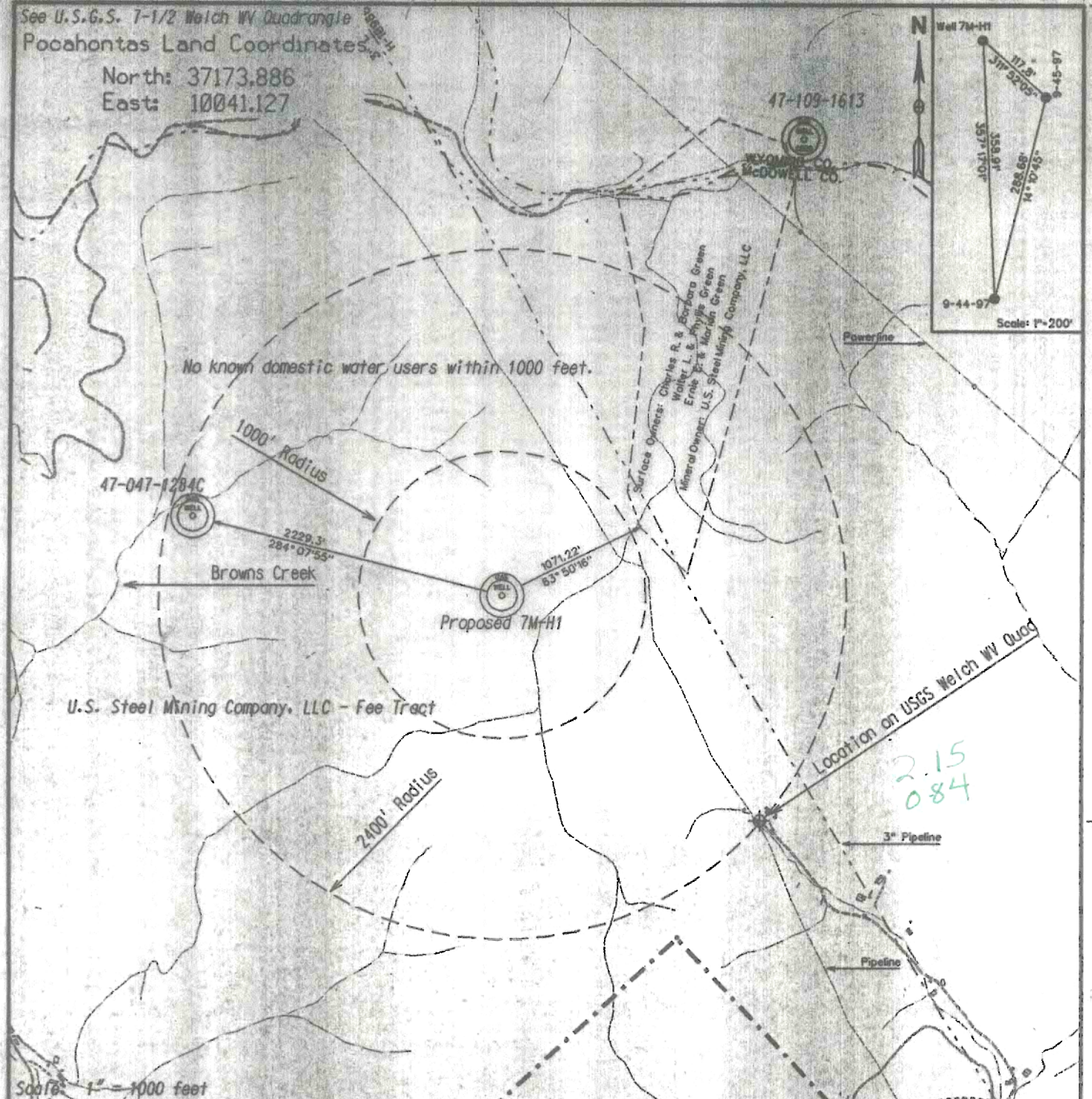
37° 30' 00"

81° 30' 00"

11333' on USGS

See U.S.G.S. 7-1/2 Welch WV Quadrangle
Pocahontas Land Coordinates

North: 37173.886
East: 10041.127



No known domestic water users within 1000 feet.

47-047-1284C

1000' Radius

2229.3'
284° 07' 55"

Browns Creek

1671.22'
83° 50' 18"

Proposed 7M-H1

U.S. Steel Mining Company, LLC - Fee Tract

2400' Radius

Location on USGS Welch WV Quad

2.15
0.84

3" Pipeline

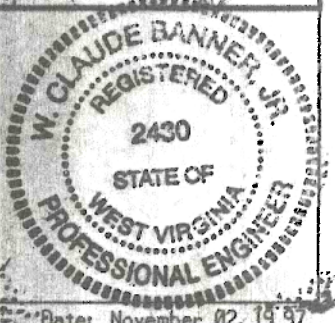
Pipeline

Scale: 1" = 1000 feet

FILE No. \USH-TD-48\vdgn\vd-rs11-plats
 DRAWING No. cbr-7M-H1.dgn
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION BM-W196 USC&GS BM

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) *W. Claude Banner, Jr.*
 R.P.E. R.P.S



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

Date: November 02, 1997

Operator's Well No. 7M-H1

API Well No. 47-47-01325C

WELL TYPE: OIL ___ GAS XX LIQUID INJECTION ___
 (IF "GAS") PRODUCTION XX STORAGE ___ DEEP ___ SHALLOW ___ CBM XX

LOCATION: ELEVATION: 2222.25 WATERSHED: Browns Creek of Tug Fork
 DISTRICT: Browns Creek COUNTY: McDowell
 QUADRANGLE: USGS Welch WV Quadrangle

SURFACE OWNER U.S. Steel Mining Company, LLC ACREAGE 24965
 OIL & GAS ROYALTY OWNER U.S. Steel Mining Company, LLC LEASE ACREAGE
 LEASE NO. _____

PROPOSED WORK: DRILL ___ CONVERT XX DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEANOUT AND REPLUG ___

TARGET FORMATION Pocahontas No.3 ESTIMATED DEPTH 1034'

WELL OPERATOR U.S. Steel Mining Company, LLC DESIGNATED AGENT Joseph A Zupanick

ADDRESS P.O. Box 338 ADDRESS P.O. Box 338
 Pineville WV 24874 Pineville WV 24874

COUNTY NAME

PERMIT

DEC 19 1997

6-6-251

16-Dec-97
API # 47-47-01325 C

WR-35
JAN 21 1999
WV Division of
Environmental Protection

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

Well Operator's Report of Well Work

Farm name: U. S. STEEL MINING COMPANY, LLC Operator Well No: 7M-H-1

Location: Elevation: 2,222.25
Quadrangle: WELCH

District: BROWNS CREEK County: MCDOWELL
Latitude: 11333 Feet South of 37 Deg. 30 Min. 0 Sec.
Longitude: 4501 Feet West of 81 Deg. 30 Min. 0 Sec.

Company: U.S. STEEL MINING COMPANY LLC
P.O. Box 338
Pineville, WV 24874-0338

Agent: JOSEPH ZUPANICK

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up
16"	20'	20'	15.7 ³
11 3/4"	987'	987'	428 ³
8 5/8"		1026'	Well Head
1"		1027'	Well Head

Inspector: OFIE HELMICK
Permit Issued: 12/16/97
Well Work commenced: 12/9/97
Well Work completed: 12/14/97
Verbal plugging
Permission granted on:
Rotary x Cable _____ Rig _____
Total depth (ft) _____
Fresh water depths (ft) N/A
Salt water depths (ft) N/A
Is coal being mined in the area (Y/N)? Y
Coal depths (ft): 1025.5 - 1031'

*Borehole drilled under WVDEP Permit O-4017-92 & NPDES WV0090000

OPEN FLOW DATA

Producing formation Pocahontas No. 3 Seam Pay zone depth (ft) 1025.5' - 1031'
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A 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 N/A Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A 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 SYSTEMATICK DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

J. A. Zupanick
For: U.S. Steel Mining Company, LLC
By: Joseph A. Zupanick
Date: 1/9/98

Mc Dow 1325 C

RECEIVED
WV Division of
Environmental Protection

047-1325-C

FORM _____ (9/97)

Page 2 of 2

DEC 1 1997

Permitting
Office of Oil & Gas
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling		Left in Well
Conductor	16"	J-55	55#	30'	30'	13
Fresh Water	9 5/8"	J-55	42#	300'	300'	75
Coal						
Intermediate						
Production	7"	J-55	23#		1034	
Tubing						
Liners						

PACKERS:

For Office of Oil and Gas Use Only

9386/38

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 - Plat WW-9 WW-5B Bond _____ Agent
- (Type)

RECEIVED
WV Division of
Environmental Protection
DEC 1 1997
Permitting
Office of Oil & Gas

1) Date: _____
2) Operator's well number 7M-H1
3) API Well No: 47 - 047 - 1325-C
State- County- Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A COALBED METHANE WELL PERMIT**

4) Surface Owner(s):
(a) Name U. S. Steel Mining Company, LLC
Address Box 338
Pineville, WV 24874

(b) Name _____
Address _____

(c) Name _____
Address _____

5) Other Parties Noticed:
(a) Coal Owner(s):
Name U. S. Steel Mining Company, LLC
Address Box 338
Pineville, WV 24874

Name _____
Address _____

(b) Coal Lessee(s):
Name _____
Address _____

Name _____
Address _____

(c) Coal Operator(s):
Name U. S. Steel Mining Company, LLC
Address Box 338
Pineville, WV 24874

(d) Natural Gas Owner(s)
Name U. S. Steel Mining Company, LLC
Address P.O. Box 338
Pineville, WV 24874

Name _____
Address _____

(e) Natural Gas Lessee(s):
Name Cabot Oil and Gas Corporation
Address Appalachian Region
400 Fairway Dr. - Suite 400
Corapolis, PA 15108-4308

Name _____
Address _____

(f) Natural Gas Operator(s)
Name Cabot Oil and Gas Corporation
Address Appalachian Region
400 Fairway Dr. - Suite 400
Corapolis, PA 15108-4308

Name _____
Address _____

6) Inspector Ofie Helmick
Address P.O. Box 398
Brenton, WV 24818
Telephone 304-732-9219