

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

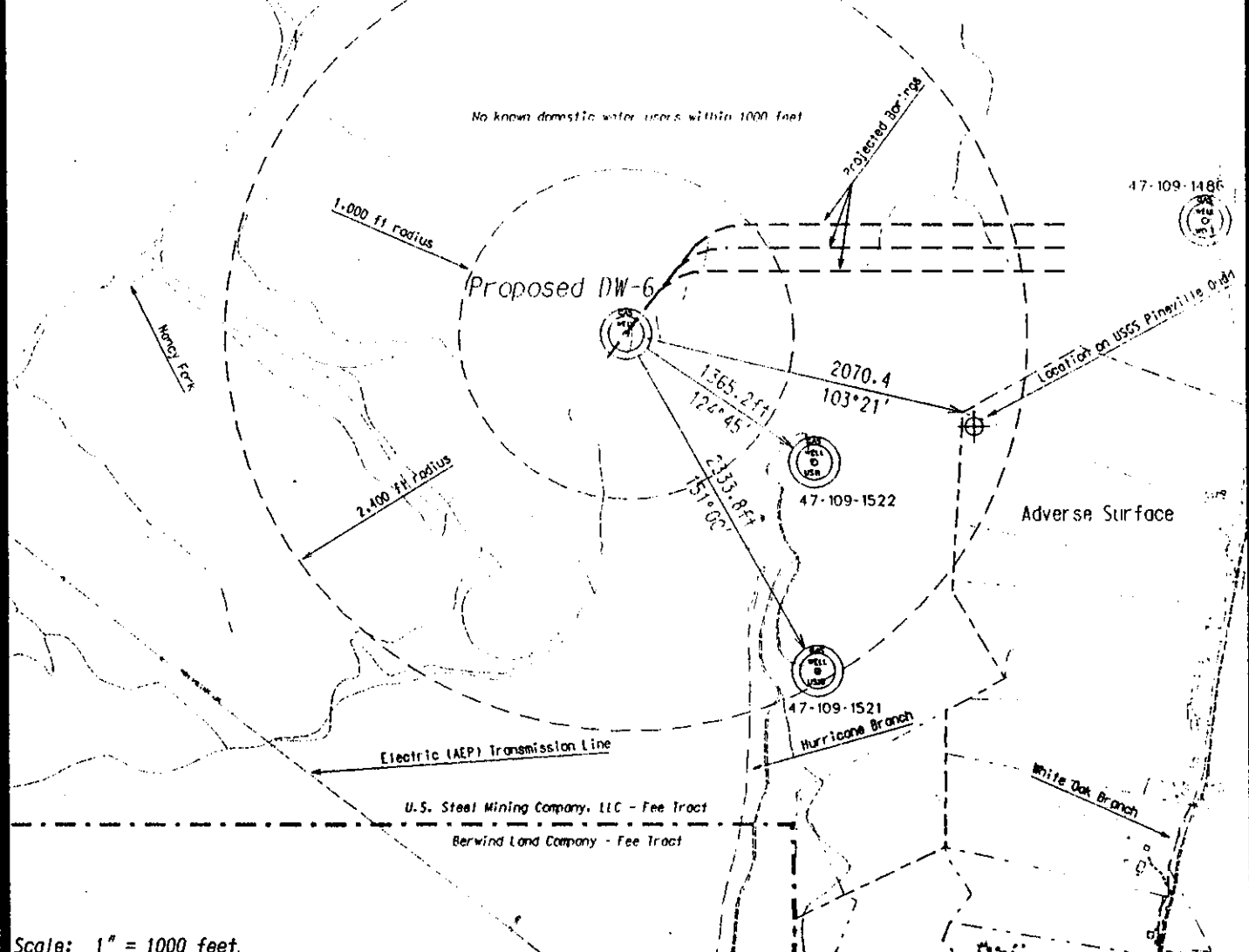
North: 54910.932
East: -727.463

3300'
37° 32' 30"

11-13-97
66.71ft @ 144°38'55"
114.17ft @ 157°08'35"
51.12ft @ 353°32'35"

10-31-97

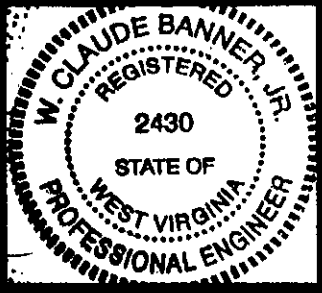
Reference Scale 1"=100'



Scale: 1" = 1000 feet.

FILE No. \USM-TD-40\C\don\drill.plots\
DRAWING No. DW-6.dgn
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:2500
PROVEN SOURCE OF ELEVATION USC&GS BM F44 el. 1565

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. L R.P.S



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

Date: November 12, 1997
Operator's Well No. DW-6

WELL TYPE: OIL ___ GAS XX LIQUID INJECTION ___
(IF "GAS") PRODUCTION XX STORAGE ___ DEEP ___ SHALLOW ___ CBM XX
LOCATION: ELEVATION: 2191.19 WATERSHED: Nancy Fork/Indian Creek/Guyandotte River
DISTRICT: Center COUNTY: Wyoming
QUADRANGLE: USGS Pineville 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 1261.7
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 WV0 PERMIT 1685P

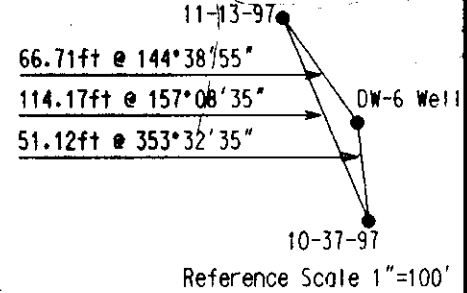
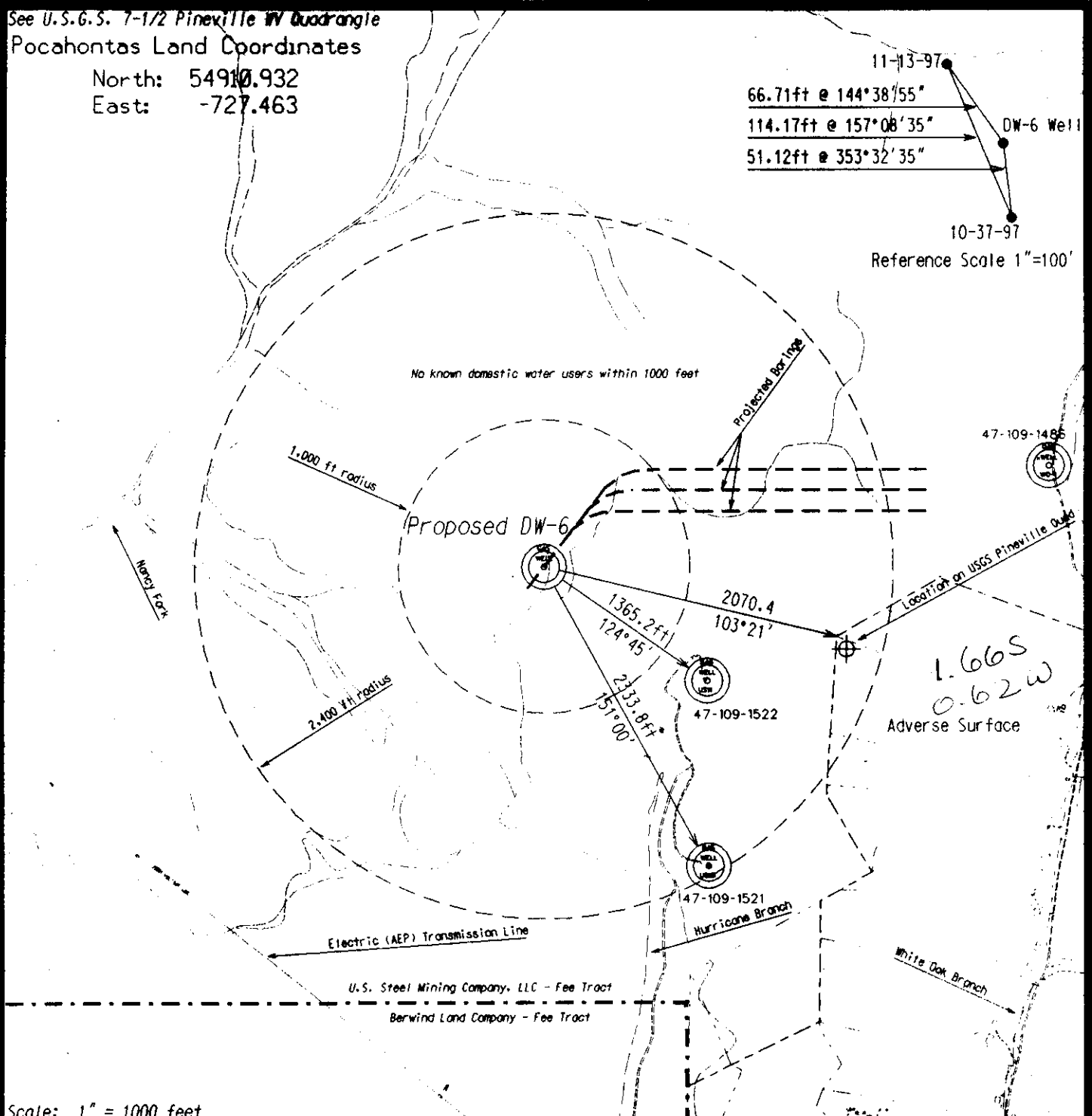
Pineville 8

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

North: 54910.932
East: -727.463

37° 32' 30"

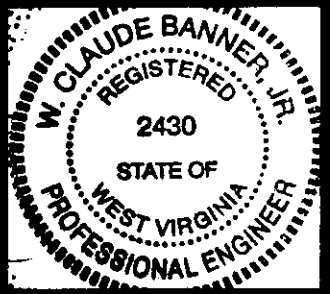
81° 32' 30"
8780' USGS 2000



Scale: 1" = 1000 feet

FILE No. \USM-10-40\Cs\ dgn\id\drill_plots\
DRAWING No. DW-6.dgn
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:2500
PROVEN SOURCE OF ELEVATION USC&GS BM F44
e.l. 1565

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(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 12, 1997
Operator's Well No. DW-6

WELL TYPE: OIL GAS XX LIQUID INJECTION
(IF "GAS") PRODUCTION XX STORAGE DEEP SHALLOW CBM XX
LOCATION: ELEVATION: 2191.19 WATERSHED: Nancy Fork/Indian Creek/Guyandotte River
DISTRICT: Center COUNTY: Wyoming
QUADRANGLE: USGS Pineville 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.

API Well No. 47-109-01685C
State County Permit

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 1261.7 DEC 19 1997
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

WR-35

16-Dec-97
API # 47-109-01685 C

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: DW-6

Location: Elevation: 2,191.19
Quadrangle: PINEVILLE

District: CENTER County: WYOMING
Latitude: 8780 Feet South of 37 Deg. 32 Min.30 Sec.
Longitude: 3340 Feet West of 81 Deg. 32 Min. 30 Sec.

RECEIVED
Office of Oil & Gas
UIC Section
JAN 27 1999
WV Division of
Environmental Protection

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

Agent: JOSEPH ZUPANICK

Inspector: OFIE HELMICK
Permit Issued: 12/16/97
Well Work commenced: 11/3/97
Well Work completed: 11/11/97
Verbal plugging
Permission granted on:
Rotary x Cable _____ Rig _____
Total depth (ft) 1335'
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): 1276.5' - 1281'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up
16"	20'	20'	15.7 ³
11 3/4"	502'	502'	217 ³
8 5/8"	821'	821'	Packer

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

OPEN FLOW DATA

Producing formation Pocahontas No. 3 Seam Pay zone depth (ft) 1276.5' - 1281'
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.

For: Joseph A. Zupanick
U.S. Steel Mining Company, LLC

By: Joseph A. Zupanick
Date: 1/9/98

WYO 16925 C

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WW Division of
Environmental Protection

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FORM _____ (9/97)

DW-6

Page 2 of 3

Permitting
Office of Oil & Gas

Vertical Well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu.ft.)
Conductor	13 5/8"		65#	30'	30'	10
Fresh Water	11 1/4"	J-55	48#	800	800	250
Coal						
Intermediate						
Production	8 5/8"	J-55	23#	1230		*See below
Tubing						
Liners						

* PACKERS: 8 5/8" x 11 1/4" @ 790

For Office of Oil and Gas Use Only

9387/38

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