

35000

REFERENCES
N.T.S.

Ref. 1 - Roofing Nail in 14" White Oak

Ref. 2 - Roofing Nail in 10" Beech

PROPOSED CBM WELL 8HI-4

N 9° 15' 15" W 45.04

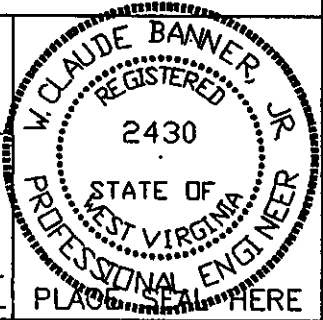
N 48° 10' 00" E 82.93

No known domestic water supplies within 1000 feet.
(+) Denotes location of well on USGS map.

FILE No. CDX
DRAWING NAME \PLAT\8HI-3
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION USGS B.M. 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. _____ R.P.S. _____



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

DATE JANUARY 23 20 02
OPERATOR'S WELL No. 8HI-4
API WELL No. 47 - 109 - 01799CW

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

LOCATION: ELEVATION 1665.51 WATER SHED CAR BRANCH OF LICK BRANCH OF INDIAN CREEK
DISTRICT CENTER COUNTY WYOMING
QUADRANGLE PINEVILLE, WV

SURFACE OWNER U.S. STEEL MINING COMPANY, LLC ACREAGE 37977.66
CBM ROYALTY OWNER U.S. STEEL MINING COMPANY, LLC LEASE ACREAGE _____
LEASE No. _____

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

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION POCAHONTAS NO. 3 & PENN. COALS ESTIMATED DEPTH 890' MAR 22 2002
WELL OPERATOR U.S. Steel Mining Company, LLC MANAGER DAVE TRADER
ADDRESS P.O. Box 338 ADDRESS P.O. Box 338
Pineville, WV 24874 Pineville, WV 24874

WV D 1779 C-W

POCAHONTAS LAND COORDINATES

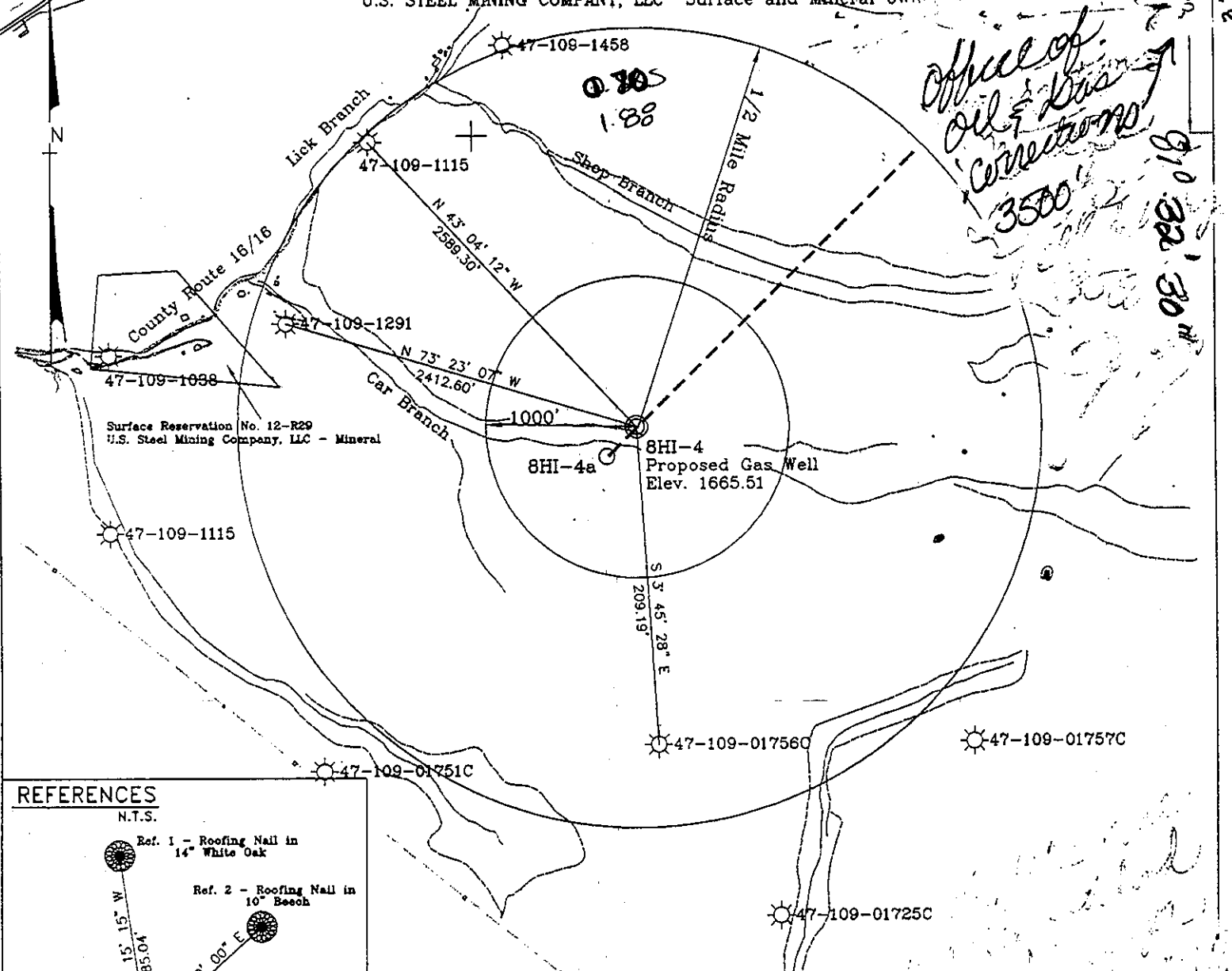
N 59,940.805
E -7,238.643

9900'

Lat. 37° 32' 30"

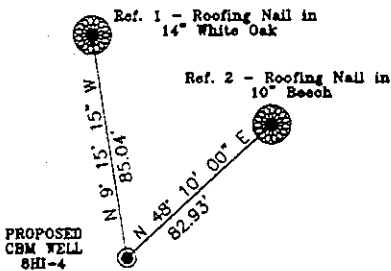
Long. 81° 11' 30"

U.S. STEEL MINING COMPANY, LLC Surface and Mineral Owner



REFERENCES

N.T.S.



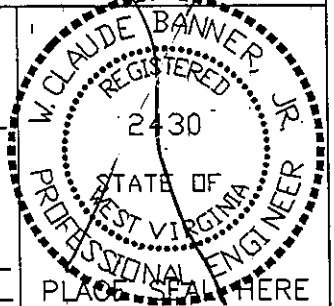
No known domestic water supplies within 1000 feet

(+) Denotes location of well on USGS map.

FILE No. CDX
DRAWING NAME \PLAT\8HI-3
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION USGS B.M. F44
EL. 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 OCTOBER 12 19 98
OPERATOR'S WELL No. 8HI-4
API WELL No. 47 - 109 - 01779C
STATE COUNTY PERMIT

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1665.51 WATER SHED CAR BRANCH OF LICK BRANCH OF INDIAN CREEK
DISTRICT CENTER COUNTY WYOMING
QUADRANGLE PINEVILLE, WV

SURFACE OWNER U.S. STEEL MINING COMPANY, LLC ACREAGE 37977.66
CBM ROYALTY OWNER U.S. STEEL MINING COMPANY, LLC LEASE ACREAGE _____
LEASE No. _____

PROPOSED WORK: DRILL X 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 POCAHONTAS NO. 3 & PENN. COALS ESTIMATED DEPTH 890' ADV 23 1998
WELL OPERATOR CDX GAS, LLC MANAGER JOSEPH ZUPANICK
ADDRESS P.O. Box 609 ADDRESS P.O. Box 609
Pineville, WV 24874 Pineville, WV 24874

6-6 0

WYO 1779C

Operator: 8HI-4
 API No. 47-109-01779 C
 Location: Pineville

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

Well Log & Geologic Record

Formation	Top	Bottom
Sandy Shale	0	60
Shale	60	95
Coal	95	97
Shale	97	103
Sandy Shale	103	128
Shale	128	130.5
Coal	130.5	132.5
Shale	132.5	144
Sandy Shale	144	200
Coal	200	232
Sandy Shale	232	355
Shale	355	380
Sandy Shale	380	478
Shale	478	508
Coal	508	511
Shale	511	532
Coal	532	533
Shale	533	534
Sandy Shale	534	544
Shale	544	601
Sandy Shale	601	606
Sandstone	606	723
Sandy Shale	723	739
Sandstone	739	760
Sandy Shale	760	811
Sandstone	811	834
Sandy Shale	834	884
Coal	884	888
Sandy Shale	888	942.60

RECEIVED
 Office of Oil & Gas
 Permitting
 NOV 03 1999
 WV Division of
 Environmental Protection

Operator: 8HI-4a
 API No. 47-109-01779 C
 Location: Pineville

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

Well Log & Geologic Record

Formation	Top	Bottom
Sandy Shale	0	39
Shale	39	46
Coal	46	47
Shale	47	53
Sandy Shale	53	69
Shale	69	73
Coal	73	75
Shale	75	101
Sandy Shale	101	195
Shale	195	201
Sandy Shale	201	298
Coal	298	299
Sandy Shale	299	321
Shale	321	331
Sandy Shale	331	424
Shale	424	464
Coal	464	467
Shale	467	485.5
Coal	485.5	487
Sandy Shale	487	497
Shale	497	551
Sandy Shale	551	578
Sandstone	578	600
Sandy Shale	600	606
Sandstone	606	645.80

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 NOV 03 1999
 WV Division of
 Environmental Protection