

POCAHONTAS LAND COORDINATES

9550'

LATITUDE 37° 32' 30"

LONGITUDE 81° 32' 30"

N 62,165.326  
E -6,941.093

Topo Location

30

U.S. Steel Mining Company, LLC Mineral Tracts

47-109-01337

47-109-01383

47-109-01341

47-109-01305

47-109-01456

47-109-01340

47-109-01291

47-109-01038

U.S. Steel Mining Company, LLC Mineral Surface Reservation No. 12-R28

47-109-01781C

47-109-01779C

47-109-01778C

U.S. Steel Mining Company, LLC  
Surface and Mineral Owner

REFERENCES

N.T.S.

Ref. 1 - PK Nail in 18" Hickory

PROPOSED CBM WELL 8K-4

Ref. 2 - PK Nail in 6" Maple

Notes:

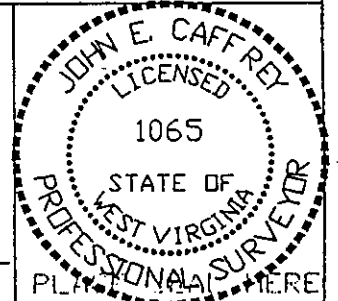
No known domestic water supplies within 1000 feet.  
(+) Denotes location of well on USGS map.

FILE No. CDX  
DRAWING NAME \PLATS\8K-4  
Drawing Number 990721/LL  
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>

R.P.E. [Signature] R.P.S. 1065



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

DATE July 21 19 99  
OPERATOR'S WELL No. 8K-4  
API WELL No. 47 - 109 - 01829 C

WELL TYPE: OIL    GAS    CBM    LIQUID INJECTION    WASTE DISPOSAL    STATE COUNTY PERMIT  
(IF "GAS") PRODUCTION    STORAGE    DEEP    SHALLOW     
LOCATION: ELEVATION 1885.15 WATER SHED SHOP 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 1110'  
WELL OPERATOR CDX GAS, LLC MANAGER JOSEPH ZUBANICKS 1999  
ADDRESS P.O. BOX 609 ADDRESS P.O. BOX 609  
PINEVILLE, WV 24874 PINEVILLE, WV 24874

6-6 0

WV0 1829 C

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

Reviewed *[Signature]*

Well Operator's Report of Well Work

Farm name: U.S. Steel Mining Company, LLC

Operator Well No: 8K-4

Location: Elevation: 1,884.21

Quadrangle: PINEVILLE

District: CENTER

County: WYOMING

Latitude: 1600 Feet South of 37 Deg. 32 Min. 30 Sec.

Longitude: 9550 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: CDX Gas, LLC  
5485 BELTLINE ROAD, SUITE 280  
DALLAS, TX 75240-0000

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Division of Environmental Protection

Agent: JOSEPH A. ZUPANICK

Inspector: OFIE HELMICK  
Permit Issued: 08/20/99  
Well Work commenced: 11/20/99  
Well Work completed: 12/20/99  
Verbal plugging  
Permission granted on:  
Rotary x Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total depth (ft) 1177.90  
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): 50, 292, 353, 717, 731, 835, 958,  
1025, 1118

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up
13 5/8"	35'	35'	9 Ft <sup>3</sup>
9 5/8"	963.80'	963.80'	302 Ft <sup>3</sup>
7"	311.45'	311.45'	47 Ft <sup>3</sup>
2 7/8"	1094.05'	----	----

OPEN FLOW DATA

Producing formation Pocahontas No. 3 Seam and Penn. Coals 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

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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: CDX Gas LLC  
By: *[Signature]*  
Date: 10/20/00

NOV 23 2000

WY 0 1829 C

Operator: 8K-4  
 API No. 47- 109-01829 C  
 Location: Pineville

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

Well Log & Geologic Record

Formation	Top	Bottom
Sandy Shale	0	27'
Shale	27	50
Coal	50	51
Sandy Shale	51	60
Shale	60	81
Sandy Shale	81	124
Shale	124	140
Sandy Shale	140	155
Sandstone	155	160
Sandy Shale	160	164
Sandstone	164	173
Shale	173	182
Sandstone	182	215
Sandy Shale	215	270
Sandstone	270	292
Coal	292	293
Sandy Shale	293	298
Sandstone	298	301
Sandy Shale	301	336
Shale	336	353
Coal	353	355
Shale	355	364
Coal	364	366
Shale	366	390
Sandy Shale	390	443
Shale	443	455
Sandy Shale	455	458
Sandstone	458	489
Sandy Shale	489	498
Sandstone	498	571
Sandy Shale	571	630
Sandstone	630	635

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NOV 23 2000

Operator: 8K-4  
API No. 47-109-01829 C  
Location: Pineville

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

Well Log & Geologic Record (continued)

Formation	Top	Bottom
Sandy Shale	635	642
Sandstone	642	717
Coal	717	719
Sandy Shale	719	731
Coal	731	734
Sandy Shale	734	835
Coal	835	836
Sandy Shale	836	839
Sandstone	839	958
Coal	958	960
Sandstone	960	999
Sandy Shale	999	1025
Coal	1025	1026
Sandy Shale	1026	1069
Sandstone	1069	1106
Sandy Shale	1106	1118
Coal	1118	1124.5
Sandy Shale	1124.5	1177.90

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