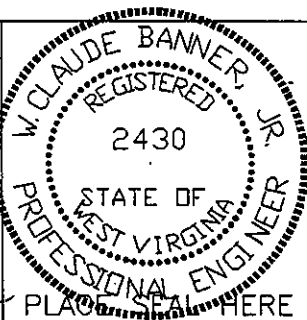


**REFERENCES**  
 N.T.S.  
 PROPOSED CBM WELL 8HI-5  
 Ref. 1 - 2" Roofing Nail in 6" Hickory  
 S 89° 56' 40" E 75.18'  
 Ref. 2 - 2" Roofing Nail in 10" Maple  
 S 50° 37' 55" E 75.12'

One known domestic water consumer within 1000' - George Wheeler  
 (+) Denotes location of well on USGS map.

FILE No. CDX  
 DRAWING NAME PLAT 8HI-5  
 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  
 NITRO, WV

DATE NOVEMBER 9 19 98  
 OPERATOR'S WELL No. 8HI-5  
 API WELL No. 47 - 109 01781C  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1881.60 WATER SHED 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. \_\_\_\_\_

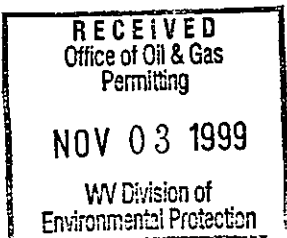
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR  
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW  
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON CLEAN OUT AND REPLUG  
 TARGET FORMATION POCAHONTAS NO. 3 & PENN. COALS ESTIMATED DEPTH 1125' DEC 07 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

WV 0 1781C

WR-35



API# 47-109-01781 C

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

Reviewed AR

Well Operator's Report of Well Work

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

Operator Well No: 8HI-5

Location: Elevation: 1907.07

Quadrangle: PINEVILLE

District: CENTER

County: WYOMING

Latitude: 3925 Feet South of 37 Deg. 32 Min. 30 Sec.

Longitude: 100 Feet West of 81 Deg. 35 Min. 00 Sec.

Company: CDX Gas, LLC

5485 Beltline Road, Suite 280  
Dallas, TX 75240-0000

Agent: Joseph A. Zupanick

Inspector: OFIE HELMICK

Permit Issued: 11/30/98

Well Work commenced: 5/19/99

Well Work completed: 6/16/99

Verbal plugging

Permission granted on:

Rotary x Cable \_\_\_\_\_ Rig

Total depth (ft) 1208.80

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): 81.5', 398', 408', 761', 793', 860', 1043', 1143'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up
13 5/8"	34.75'	34.75'	9
9 5/8"	425.65'	425.65'	133
7"	1086.65'	1086.65'	163

OPEN FLOW DATA

Producing formation Poca 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: J.A. Zupanick

Date: 10/8/99

WYO 1781 C

Nov.

Operator: 8HI-5  
 API No. 47-109-01781 C  
 Location: Pineville

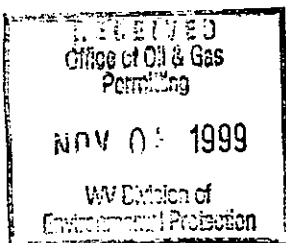
Details of Perforated Intervals, Fracturing or Stimulation, Physical Change, Etc.

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

Well Log & Geologic Record

Formation	Top	Bottom
Sandy Shale	0	76
Shale	76	81.5
Coal	81.5	83
Shale	83	99
Sandy Shale	99	149
Shale	149	174
Sandy Shale	174	201
Shale	201	214
Sandy Shale	214	329
Shale	329	346
Sandy Shale	346	398
Coal	398	400.5
Sandy Shale	400.5	408
Coal	408	410
Sandy Shale	410	481
Shale	481	490
Sandy Shale	490	761
Coal	761	764.5
Sandy Shale	764.5	793
Coal	793	795
Sandy Shale	795	860
Coal	860	862
Sandy Shale	862	879
Sandstone	879	974
Sandy Shale	974	990
Sandstone	990	1015
Sandy Shale	1015	1043
Coal	1043	1046
Sandy Shale	1046	1060
Sandstone	1060	1088
Sandy Shale	1088	1143
Coal	1143	1148
Sandy Shale	1148	1208.80

WR-35



API # 47-109-01781 C

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

Reviewed AC

Well Operator's Report of Well Work

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

Operator Well No: 8HI-5a

Location: Elevation: 1919.24

Quadrangle: PINEVILLE

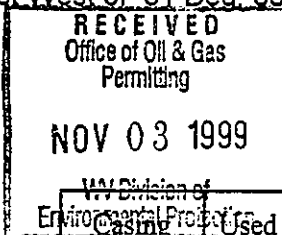
District: CENTER

County: WYOMING

Latitude: 3925 Feet South of 37 Deg. 32 Min. 30 Sec.

Longitude: 100 Feet West of 81 Deg. 35 Min. 00 Sec.

Company: CDX Gas, LLC  
5485 Beltline Road, Suite 280  
Dallas, TX 75240-0000



Agent: Joseph A. Zupanick

Inspector: OFIE HELMICK

Permit Issued: 11/30/98

Well Work commenced: 5/19/99

Well Work completed: 6/16/99

Verbal plugging

Permission granted on:

Rotary x Cable \_\_\_\_\_ Rig

Total depth (ft) 984.10

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): 99.5', 190', 328', 378', 411', 622', 776', 884'

Casing Size	Used in Drilling	Left in Well	Cement Fill up
13 5/8"	34.90'	34.90'	9
9 5/8"	432.65'	432.65'	136
7"	971.05'	971.05'	146

OPEN FLOW DATA

Producing formation Poca 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

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For: CDX Gas, LLC

By: J.A. Zupanick

Date: 10/8/99

WYO 1781C

NOV 15 1999

Operator: 8HI-5a  
 API No. 47-109-01781 C  
 Location: Pineville

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

Well Log & Geologic Record

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

Formation	Top	Bottom
Sandy Shale	0	88
Shale	88	99.5
Coal	99.5	101.5
Shale	101.5	120
Sandy Shale	120	169
Shale	169	190
Coal	190	191.5
Shale	191.5	193
Sandy Shale	193	223
Shale	223	233
Sandy Shale	233	328
Coal	328	330.5
Sandy Shale	330.5	378
Coal	378	380
Sandy Shale	380	411
Coal	411	414
Sandy Shale	414	622
Coal	622	623
Sandy Shale	623	776
Coal	776	779
Sandy Shale	779	884
Coal	884	885.5
Sandy Shale	885.5	964
Sandstone	964	984.10