

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

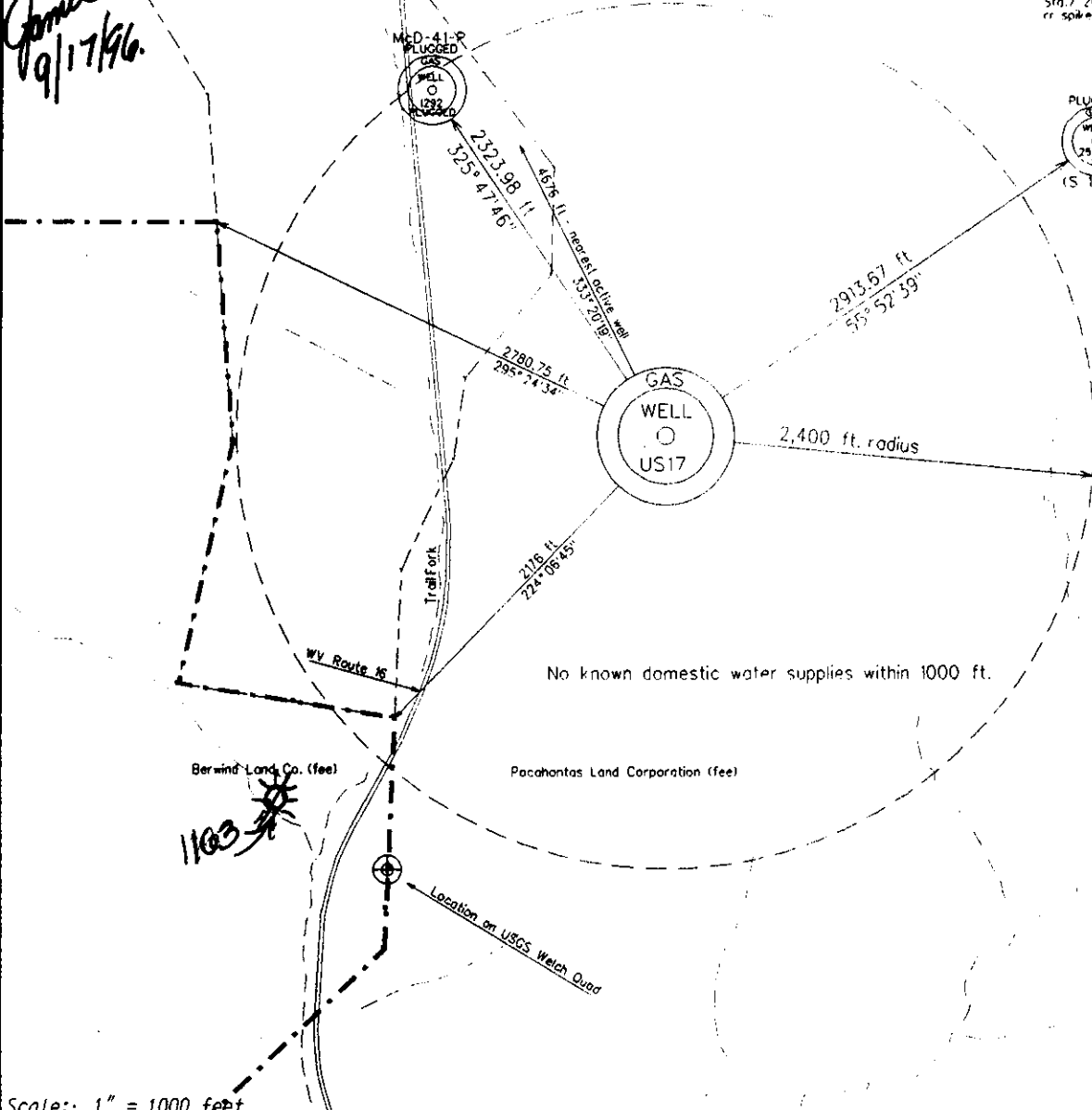
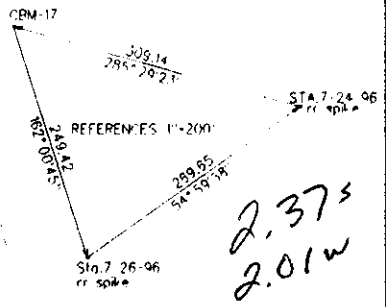
North: 35442.07  
 East: 4025.85

*Janice  
 9/17/96*

Pocahontas Land Corporation - Mineral  
 Sameith - Surface

Pocahontas Land Corporation (fee)

McDowell County



FILE No. \USM-TD-40\dgn\jdr\plots\CBM-17.DGN  
 DRAWING No. CBM-17.dgn  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION USC & GS BM F-44

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*  
 R.P.E. 2430 R.P.S.



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

(Date: August 7, 1996)  
 Operator's Well No. CBM-17

API Well No. 47-047-01283-C

WELL TYPE: OIL  GAS  LIQUID INJECTION   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION: 1862.62 WATERSHED: Trail Fork of Browns Creek off Tug River  
 DISTRICT: Browns Creek COUNTY: McDowell  
 QUADRANGLE: USGS Welch WV Quadrangle

SURFACE OWNER Pocahontas Land Corporation ACREAGE 24965  
 OIL & GAS ROYALTY OWNER Pocahontas Land Corporation LEASE ACREAGE 24965  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT  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 737.4

WELL OPERATOR U.S. Steel Mining Co., Inc. DESIGNATED AGENT Joseph A Zupnick  
 ADDRESS P.O. Box 338 ADDRESS P.O. Box 338  
 Pineville WV 24874 Pineville WV 24874

COUNTY NAME  
 PERMIT

SEP 9 1996

RECEIVED  
Environmental Protection

JAN 24 1997

Permitting  
Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP.

Operator Well No: CBM-17 (7JH-2)

Location: Elevation: 1862.62

Quadrangle: USGS Welch

District: Browns Creek

County: McDowell

Latitude: 12,450 Feet South of 37 Deg. 35 Min. 0 Sec.

Longitude: 10,605 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: J. A. Zupanick

Inspector: Offie Helmick

Permit Issued: 09/17/96

Well Work commenced: \* 07/30/96

Well Work completed: \* 08/06/96

Verbal plugging

Permission granted on:

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

Total depth (ft) 741.5'

Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) N/A

Is coal being mined in the area (Y/N)? Y

Coal depths (ft): Poca 3 / 737 - 741.5

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill up
13 3/8"	65'	65'	38 <sup>3</sup>
8 5/8"	712.6'	712.6'	249 <sup>3</sup>
5 1/2"		736'	
1"		737.5'	

OPEN FLOW DATA

Producing formation Pocahontas No. 3 Seam

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 \_\_\_\_\_ Mcf/d

Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ 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.

N/A Not Stimulated

J.A. Zupanick  
For: U.S. Steel Mining Co., Inc

By: Joseph A. Zupanick  
Date: January 20, 1997

JAN 31 1997

Operator: CBM-17 (7JH-2)  
API: 47-47-01283-C  
Location: Welch

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

**Well Log & Geologic Record**

<b>Formation</b>	<b>Top</b>	<b>Bottom</b>
<b>Sandstone</b>	<b>9'</b>	<b>114</b>
<b>Shale</b>	<b>114</b>	<b>160</b>
<b>Sandy Shale</b>	<b>160</b>	<b>226</b>
<b>Shaley Sandstone</b>	<b>226</b>	<b>270</b>
<b>Sandstone</b>	<b>270</b>	<b>330</b>
<b>Shale</b>	<b>330</b>	<b>349</b>
<b>Sandstone</b>	<b>349</b>	<b>384</b>
<b>Shale</b>	<b>384</b>	<b>402</b>
<b>Sandy Shale</b>	<b>402</b>	<b>470</b>
<b>Sandstone</b>	<b>470</b>	<b>542</b>
<b>Sandy Shale</b>	<b>542</b>	<b>565</b>
<b>Sandstone</b>	<b>565</b>	<b>690</b>
<b>Sandy Shale</b>	<b>690</b>	<b>741.5</b>

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Issued 09/17/96  
Expires 09/17/98  
665

22553

- 1) Well Operator: <sup>890</sup> U. S. Steel Mining Co., Inc. 50510 (3)
- 2) Operator's Well Number CBM 17 (7JH-2) 3) Elevation: 1862.62
- 4) Well Type: (a) Oil        / or Gas x /  
(b) If Gas: Production        / Underground Storage        / CBM x /  
Deep 990 / Shallow x /
- 5) Proposed Target Formation(s): Poca #3 Seam
- 6) Proposed Total Depth: 737.4 feet
- 7) Approximate fresh water strata depths: 200±
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: Poca 3 Seam 737.4
- 10) Does land contain coal seams tributary to active mine? Yes x Poca 3 / No        /
- 11) Proposed Well Work: Drill and stimulate Coal Methane Well

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Permitting  
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SIZE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling   Left in Well   Fill-up (cu. ft.)
Conductor	13 <sup>9</sup> / <sub>8</sub> "		48	15'   15   13
Fresh Water	8 <sup>5</sup> / <sub>8</sub> "	J-55	23	712   712   143
Coal				
Intermediate				
Production	5 <sup>1</sup> / <sub>2</sub> "	J-55	10.5	732   (See below)
Tubing				
Liners				

*Empty Vent to Production*

*Commission*

PACKERS: Note: 5<sup>1</sup>/<sub>2</sub>" production casing is connected to the underground coal mine methane drainage pipeline at mine level. Production casing is hung from surface. Annulus between the 5<sup>1</sup>/<sub>2</sub>" and 8<sup>5</sup>/<sub>8</sub>" is open and vented to mine atmosphere

For Division of Oil and Gas Use Only

\_\_\_ Fee(s) paid: \_\_\_ Well Work Permit \_\_\_ Reclamation Fund \_\_\_ WPCP  
\_\_\_ Plat \_\_\_ WW-9 \_\_\_ WW-2B \_\_\_ Bond Blanket \_\_\_ Agent  
Type

**RECEIVED**  
WV Division of  
Environmental Protection

SEP 05 1996

1) Date: \_\_\_\_\_  
2) Operator's well number  
    CBM-17 (7JH-2)  
3) API Well No: 47 - 47 - 1283-C  
                    State - County - Permit

Permitting  
Office of  
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Pocahontas Land Corporation  
    Address 800 Princeton Avenue  
            Bluefield, WV 24701  
(b) Name \_\_\_\_\_  
    Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
    Address \_\_\_\_\_  
6) Inspector Ofie Helmick  
    Address P.O. Box 398  
            Brenton, WV 24818  
    Telephone (304) - 732-9135

5) (a) Coal Operator:  
    Name U. S. Steel Mining Co., Inc.  
    Address Box 338  
            Pineville, WV 24874  
(b) Coal Owner(s) with Declaration  
    Name Pocahontas Land Corporation  
    Address 800 Princeton Avenue  
            Bluefield, WV 24701  
    Name \_\_\_\_\_  
    Address \_\_\_\_\_  
c) Coal Lessee with Declaration  
    Name USX Corporation  
    Address P.O. Box 5686  
            Princeton, WV 24740

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

     Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas  
OR

  X   Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

- X   Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator U. S. Steel Mining Co., Inc.  
By: John L. Schroder, III  
Its: John L. Schroder, III - General Manager  
Address: Box 338  
            Pineville, WV 24874  
Telephone (304) 732-5293

Subscribed and sworn before me this 13th day of August

Public Jerlaine C. Kasper  
My commission expires March 15, 2005

