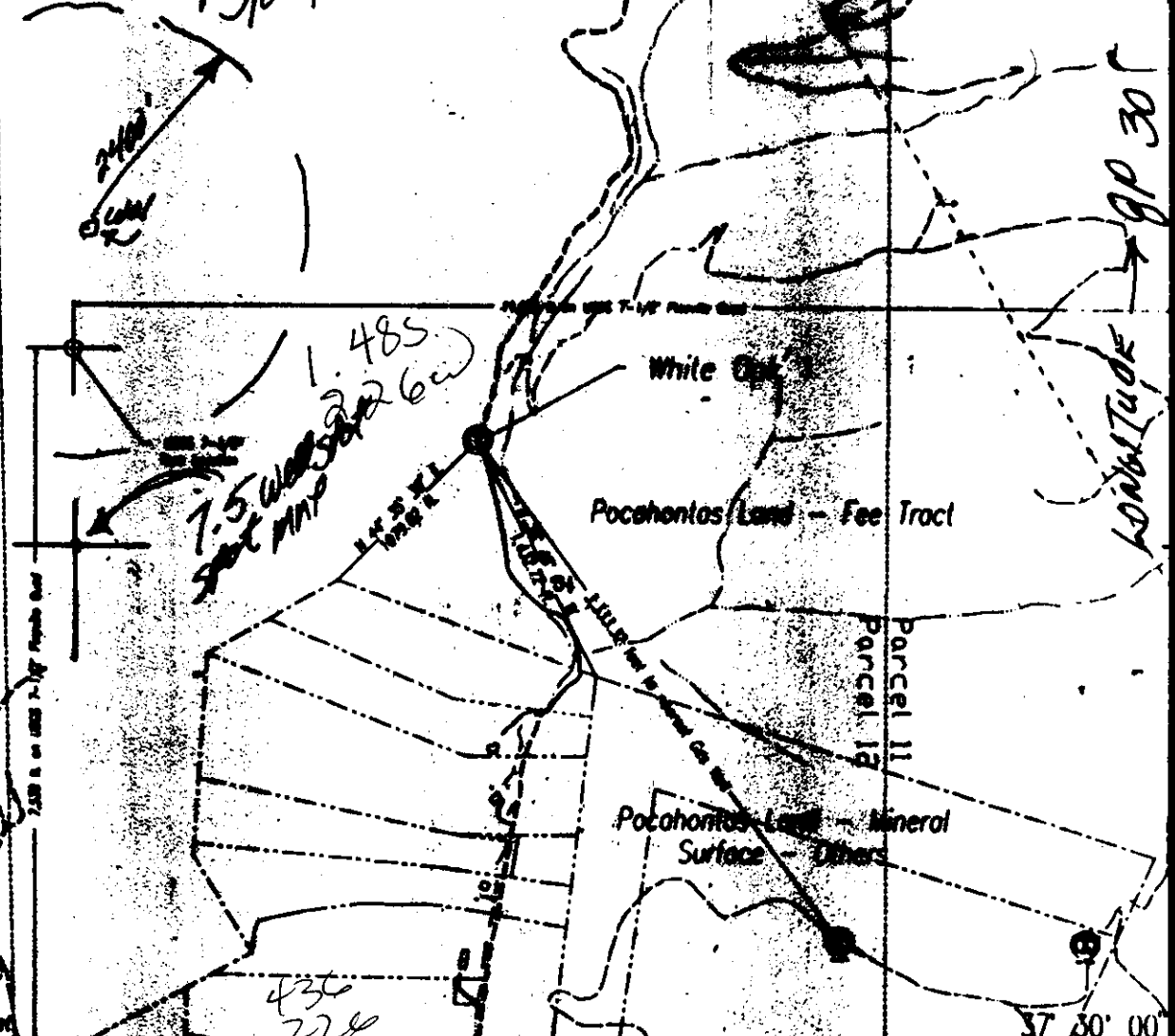


See U.S.G.S. 7-1/2 Plevelle WY
 Pocahontas Land Coordinates
 North: 55,597.13
 East: 2,747.93

11 940
 LATITUDE 32° 30'

*Amie
 3/20/95*



Scale: 1" = 1000'

FILE No. USS/PLATE
 DRAWING No. WOK-GAS-DIG
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION _____

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) [Signature]
 R.P.E. 2430 R.P.S.



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



Coal bed Meth Well.

Date: January 25, 1995
 Operator's Well No. White Oak 1
 API Well No. 47-109-1486-C

WELL TYPE: OIL _____ GAS XX LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION XX STORAGE _____ DEEP _____ SHALLOW XX CBM XX
 LOCATION: ELEVATION: 7,888.12 WATERSHED: White Oak Br. of Indian Creek off Granddote River
 DISTRICT: Center COUNTY: WYOMING
 QUADRANGLE: U.S.G.S. 7-1/2' PNEVILLE, WV QUADRANGLE 4155C
 SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 43,000 +/-
 OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACREAGE 43,000 +/-
 LEASE NO. _____

COUNTY NAME

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) CONVERT VERTICAL VENTILATION BOREHOLE TO COAL BED METHANE WELL
 PLUG AND ABANDON _____ CLEANOUT AND REPLUG _____
 TARGET FORMATION POCAHONTAS No. 3 SEAM OF COAL ESTIMATED DEPTH 655.22
 WELL OPERATOR U.S. STEEL MINING CO., INC. DESIGNATED AGENT JA. ZIMNEY
 ADDRESS P.O. BOX 138 ADDRESS P.O. BOX 138
PNEVILLE, WV 24874 PNEVILLE, WV 24874

PERMIT

JAN 22 1996

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: **POCAHONTAS LAND CORP.** Operator Well No.: **WO-1**

Location: Elevation: **1,666.12** Quadrangle: **Pineville**

District: **CENTER** County: **WYOMING**
Latitude: **7,530 Feet South** of 37 Deg. 32 Min. 30 Sec.
Longitude: **11,885 Feet West** of 81 Deg. 30 Min. 00 Sec.

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

Agent: **J. A. Zupanick**

Inspector: **Offie Helmick**
Permit Issued: **February 24, 1995**
Well work commenced: **March 01, 1995**
Well work completed: _____
Verbal plugging
permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total depth (ft) **655'**
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in the area (Y/N)? **Y**
Coal depths (ft): **625-629, 651-655**
OPEN FLOW DATA

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill up
11-3/4"	25'	25'	20 ft ³
8-5/8"	649'	649'	165 ft ³
4-1/2"		654'	

Note: 4-1/2" production casing is connected to coal mine methane drainage system. The annulas between the 4-1/2" and 8-5/8" is open and vented to mine atm.

Producing formation **Pocahontas No. 3 Seam** Pay zone depth (ft) **655**

Gas: Initial open flow **n/a** 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

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

Note: This well is permitted as a CBM vent well. The borehole was drilled under DEP Permit No. U-204-83 (NPDES WV0090000) prior to the issuance of this permit.

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

By: **Joseph A. Zupanick**
Date: **March 15, 1995**

Operator: WO-1
API: 47-109-1486
Location: White Oak

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

CBM vent hole. No stimulation performed.

Well Log & Geologic Record

Formation	Top	Bottom
Fill	0	4
Sand & Shale	4	46
Shale	46	90
Sand & Shale	90	175
Sand	175	265
Sand & Shale	265	280
Quartz	280	452
Sand & Shale	452	525
Coal	525	529
Sand & Shale	529	651
Coal	651	655