west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

October 01, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6101728, issued to EASTERN ASSOCIATED COAL/PEABODY COAL CO., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: F2-572
Farm Name: HUSK, RALPH
API Well Number: 47-6101728
Permit Type: Plugging
Date Issued: 10/01/2015

Promoting a healthy environment.

601728P

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

G1017287

Eastern Associated Coal LLC

Federal No. 2
1044 Miracle Run Road
Fairview, West Virginia 26570
Phone: (304) 449-1911
Fax: (304) 449-1026

September 11, 2015

WV Department of Environmental Protection
Office of Oil and Gas
Permitting
601 57th. Street, SE
Charleston, WV 25304-2345

Dear Sir/Madam:

A search of the WV DEP OOG microfiche files was performed May 20, 2014 at the WVDEP office in Charleston by an Eastern Associated Coal engineer. We were not successful at finding any information on the well F2-572.

If there are any questions, please don't hesitate to call me at (304) 368-9952.

Sincerely,

Matthew L. Bonnell
Engineer

6101728P

FORM WW-4(B)
Observe
File Copy
(Rev. 2/01)

1) Date September 02, 2015
2) Operator's- ?
Well No. -EAC LLC # F2-572
3) API Well No. 47 - 061 - 01728

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil X / Gas ____ / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow _

5) Location: Elevation 1,243' Watershed King's Run
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator Eastern Associated Coal LLC
Address 1044 Miracle Run Road
Fairview, WV 26570

7) Designated Agent Matthew L. Bonnell
Address 1044 Miracle Run Rd.
Fairview, WV 26570

8) Oil and Gas Inspector to be notified
Name Gayne J. Knitowski
Address P.O. Box 108
Gormania, WV 26720

9) Plugging Contractor
Name Chisler Brothers
Address P.O. Box 101
Pentress, WV 26544

10) Work Order: Per our 101-C petition, the work order for the manner of plugging this well Petition is as follows:

1. Install sediment control as needed.
2. Cut out well to a total depth, if possible, or to a minimum of 200 feet below the Pittsburgh Coal Seam.
3. Run well logs and directional surveys.
4. Collars of any old remaining casing will be ripped at the coal seam.
5. A plug made of expanding cement slurry shall be pumped from at least 200 feet below the base of the coal seam to 100 feet above the coal seam. The expanding cement shall be place in the well under a pressure of at least 200 psi.
6. After the expanding cement has hardened, it will be tagged, and the well bore will be filled with Class A cement with no more than 3% CaCl2 and no other additives, by tubing, to the surface.
7. A suitable monument installed on the surface with the necessary well identification plate attached.
8. Reclaim site as soon as possible.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Gayne J Knitowski Date 9/3/2015

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Office of Oil and Gas
SEP 15 2015

WV Department of
Environmental Protection

6101728P

WW4-A
Revised
2/01

1) Date: September 02, 2015
2) Operator's Well Number ?
(current-Ralph Husk), EAC F2-572
3) API Well No.: - 47 - 061 -

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name Ralph Husk W
Address P.O. Box 61
Blacksville, WV 26521
(b) Name
Address
(c) Name
Address

6) Inspector
Address
Telephone

5) (a) Coal Operator
Name Eastern Associated Coal LLC W
Address 1044 Miracle Run Road
Fairview, WV 26570
(b) Coal Owner(s) with Declaration
Name Eastern Associated Coal LLC W
Address 1044 Miracle Run Road
Fairview, WV 26570
Name
Address
(c) Coal Lessee with Declaration
Name
Address

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

(1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
(2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator Eastern Associated Coal LLC
By: Matthew L Bonnell
Its: Designated Agent
Address 1044 Miracle Run Road
Fairview, WV 26570
Telephone (304) 368-9952

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Office of Oil and Gas
SEP 15 2015
WV Department of
Environmental Protection

Subscribed and sworn before me this 2nd day of September, 2015
Allen K Moore Notary Public
My Commission Expires January 13, 2023

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
ALLEN K. MOORE
312 CONAWAY ST., BOX 319
BARRACKVILLE, WV 26559
My commission expires January 13, 2023

6101728P

SURFACE OWNER WAIVER

Operator's Well Number

Current-Ralph Husk
Eastern Assoc. Coal LLC F2-572

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Division of Environmental Protection
1356 Hansford Street
Charleston, WV 25301
(304) 558-6342

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

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Office of Oil and Gas
SEP 15 2015
WV Department of Environmental Protection

FOR EXECUTION BY A NATURAL PERSON
ETC.

Ralph Husk, Jr. Date 10/29/14
Signature

FOR EXECUTION BY A CORPORATION,

Name _____
By _____
Its _____ Date _____

Signature Date

6101728P

FORM WW-4 (B)
Reverse

API No. 47 - 061 -

Farm Name Ralph Husk

Well No. EAC F2-572

INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Division of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ✓ / owner ____ / lessee ✓ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: September 02, 2015

Eastern Associated Coal LLC
By: Matthew L Bonnell
Its Designated Agent

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WV Department of
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FORM WW-9
Rev. 02/01

Page 1 of 1
API Number 47 - 061 -
Operator's Well No. F2-572

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Eastern Associated Coal LLC OP Code

Watershed King's Run Quadrangle Blacksville

Elevation 1,243' County Monongalia District Clay

Description of anticipated Pit Waste: Plugging

Will a synthetic liner be used in the pit? No

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
_____ Underground Injection (UIC Permit Number)
_____ Reuse (at API Number)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain)

Proposed Work For Which Pit Will Be Used:

_____ Drilling
_____ Workover
_____ Other (Explain)
_____ Swabbing
X Plugging (no pit, steel tank used)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately 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 or imprisonment.

Company Official Signature Matthew L Bonnell

Company Official (Typed Name) Matthew L. Bonnell

Company Official Title Designated Agent

Subscribed and sworn before me this 2nd day of September, 2015

Allen K. Moore Notary Public

My commission expires January 13, 2023

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
ALLEN K. MOORE
312 CONAWAY ST., BOX 319
BARRACKVILLE, WV 26559
My commission expires January 13, 2023

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LEGEND

Property Boundary

Road

Existing Fence

Planned Fence

Stream

Open Ditch

Rock

North N

Buildings

Water Wells

Drill Site

Diversion

Spring

WetSpot

Drain Pipe with size in inches

Water Way

Cross Drain

Artificial Filter Strip

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 2 Prevegetation pH _____

Lime 4 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1,000 lbs/acre (500 lbs minimum)

Mulch Hay 150 Bales or 3 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Rye Grass	40 pounds	Tall Fescue	30 pounds
		Orchard Grass	15 pounds
		Ladino Clover	10 pounds

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

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Office of Oil and Gas
SEP 15 2015
WV Department of
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Plan Approved by: Mason J Kuhn

Title: Inspector Date: 9/3/2015

Field Reviewed? (Y) Yes ( ) No

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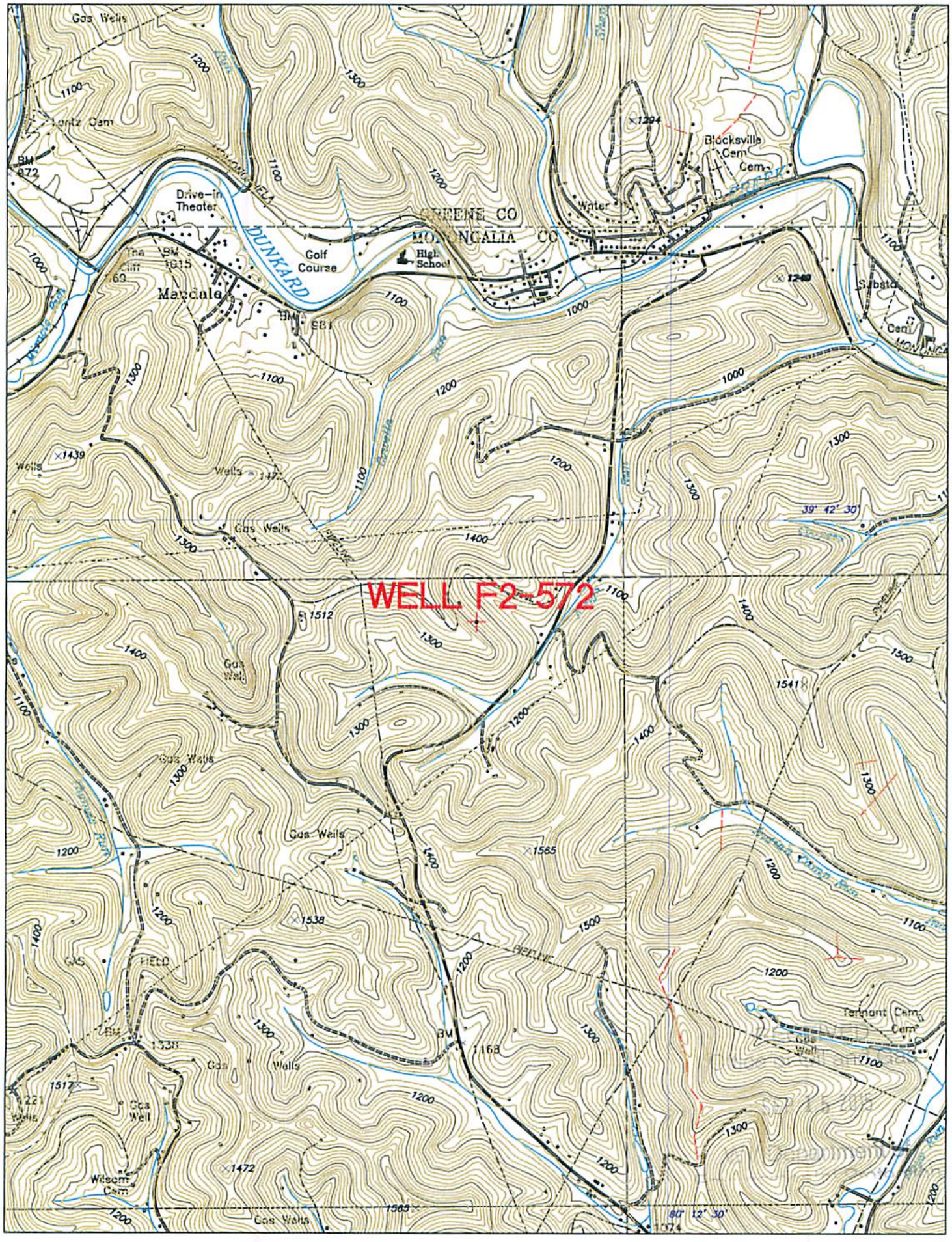

WELL F2-572
Gas Wells
Lontz Cem
Drive-in Theater
DUNKARD
Golf Course
High School
GREENE CO
MONONGALIA CO
Blacksville Cem
Water
Mandale
Substa
Cem
Wells
Gas Wells
Gas Well
Gas Wells
Gas Wells
GAS FIELD
Tennant Cem
Gas Well
Wilson Cem
Gas Wells
39° 42' 30"
80° 12' 30"
1294
1249
1439
1512
1541
1565
1538
1338
1168
1517
1472
1565
1074

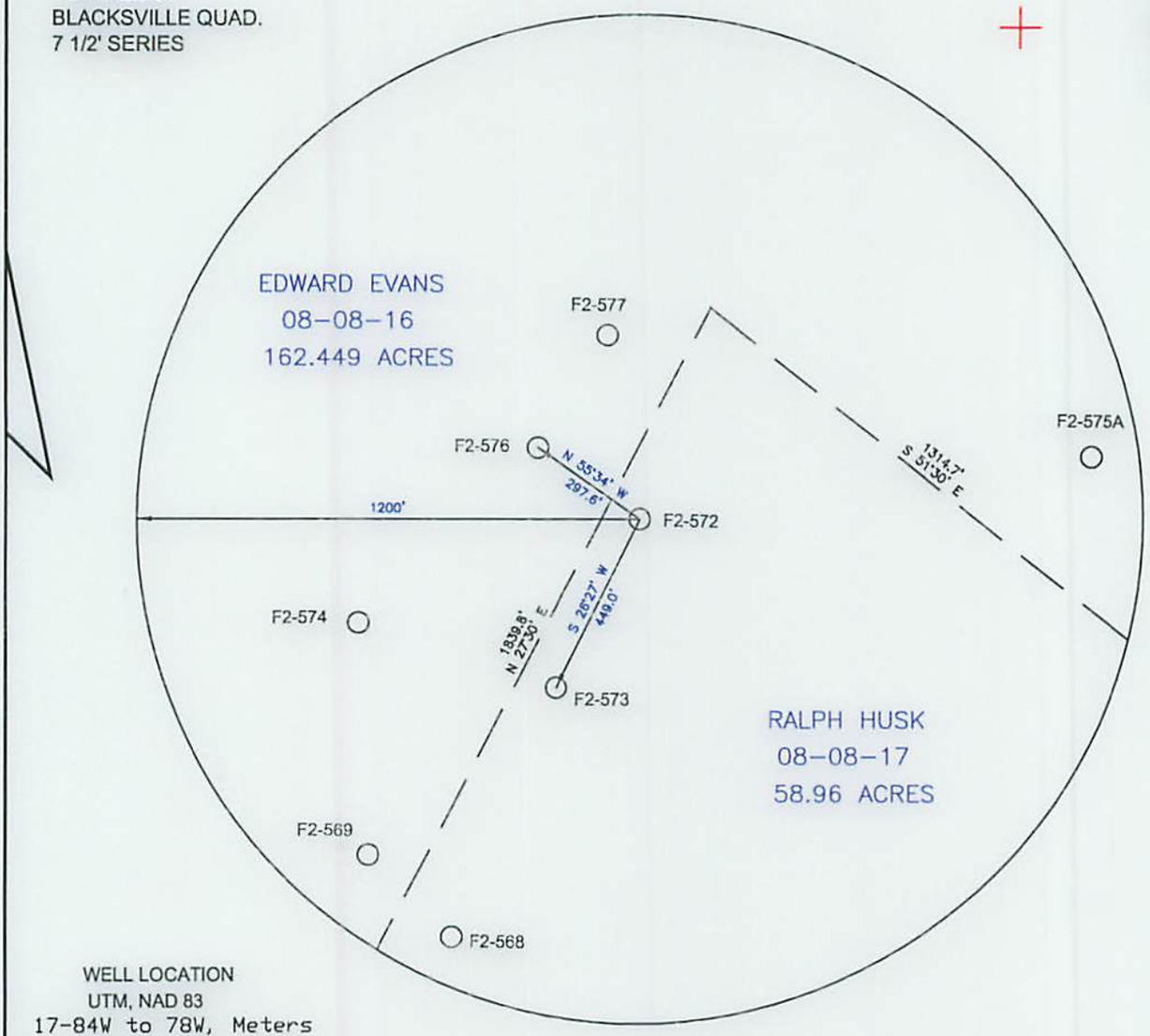
LATITUDE 39° 42' 30"

3,075'

1,601'

LONGITUDE 80° 12' 30"

TOPO. LOC.
BLACKSVILLE QUAD.
7 1/2' SERIES



WELL LOCATION
UTM, NAD 83
17-84W to 78W, Meters
N: 4,395,200.2
E: 566,950.3
Elevation: 378.8

FILE NO. WELL F2-572
DRAWING NO. F2-572 PLAT
SCALE 1"=400'
MINIMUM DEGREE OF ACCURACY 1/2500'
PROVEN SOURCE OF ELEVATION USGS B.M.

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) John F. Ewell Jr.
R.P.E. 11133 L.L.S.

JOHN F. EWELL JR. REGISTERED 11133 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6

(8-78

DATE SEPT 10, 20 15
OPERATOR'S WELL NO F2-572
API WELL NO.
47 - 061 - 01728 P
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

WELL TYPE: OIL X GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,243' WATERSHED KINGS RUN
DISTRICT CLAY COUNTY MONONGALIA
QUADRANGLE BLACKSVILLE
SURFACE OWNER RALPH HUSK ACREAGE 58.96
OIL & GAS ROYALTY OWNER UNKNOWN LEASE ACREAGE
LEASE NO.
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL X FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
PLUG AND ABANDON X CLEAN OUT AND REPLUG
TARGET FORMATION BAYARD SAND ESTIMATED DEPTH 3,250'
WELL OPERATOR EASTERN ASSOC. COAL LLC DESIGNATED AGENT MATTHEW L. BONNELL
ADDRESS 1044 MIRACLE RUN ROAD ADDRESS 1044 MIRACLE RUN ROAD
FAIRVIEW WV. 26570 FAIRVIEW WV. 26570