



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

September 20, 2013

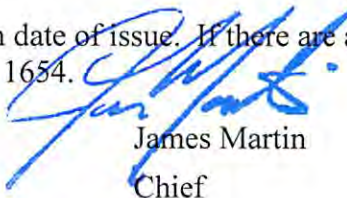
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9902275, issued to MEADOW FORK MINING CO LLC, 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 penalties 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: 1
Farm Name: VINSON, JUANITA & ALEXANDE
API Well Number: 47-9902275
Permit Type: Plugging
Date Issued: 09/20/2013

- 1) Date _____, 20____
- 2) Operator's Well No. _____
- 3) API Well No. 47-099-70057

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 570' Watershed Powdermill Branch
District Lincoln County Wayne Quadrangle Louisa

6) Well Operator Meadow Fork Mining Co 7) Designated Agent BB Kirk
Address PO Box 1420 Address PO Box 1420
Ceredo, WV 25507 Ceredo, WV 25507

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Jeremy James Name C.R. Well Service
Address 601 57th St, SE PO Box 147 Address 296 Nebo Rd.
Charleston, WV Ona, WV 25545 Catlettsburg, Ky 41129

10) Work Order: The work order for the manner of plugging this well is as follows:

As stated in MSHA 101C Guidelines

THE MSHA 101C GUIDELINES MENTIONED ABOVE, APPLY TO PLUGGING PROCEDURES FROM 200' BELOW THE LOWEST COAL PENETRATED BY THE WELLBORE. SINCE THERE IS NO INFORMATION AVAILABLE FOR THIS WELL, PERMIT CONDITIONS WILL BE INCLUDED IN THE APPROVED PLUGGING PERMIT. PLEASE REFER TO THE PERMIT CONDITIONS AND FOLLOW THEM AS THEY ARE ENFORCEABLE PARTS OF THE PLUGGING PERMIT.

JMM

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

JEFFREY W. McLAUGHLIN
TECHNICAL ANALYST

Jeff W. McLaughlin

Work order approved by inspector _____ Date 9/10/2013

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.

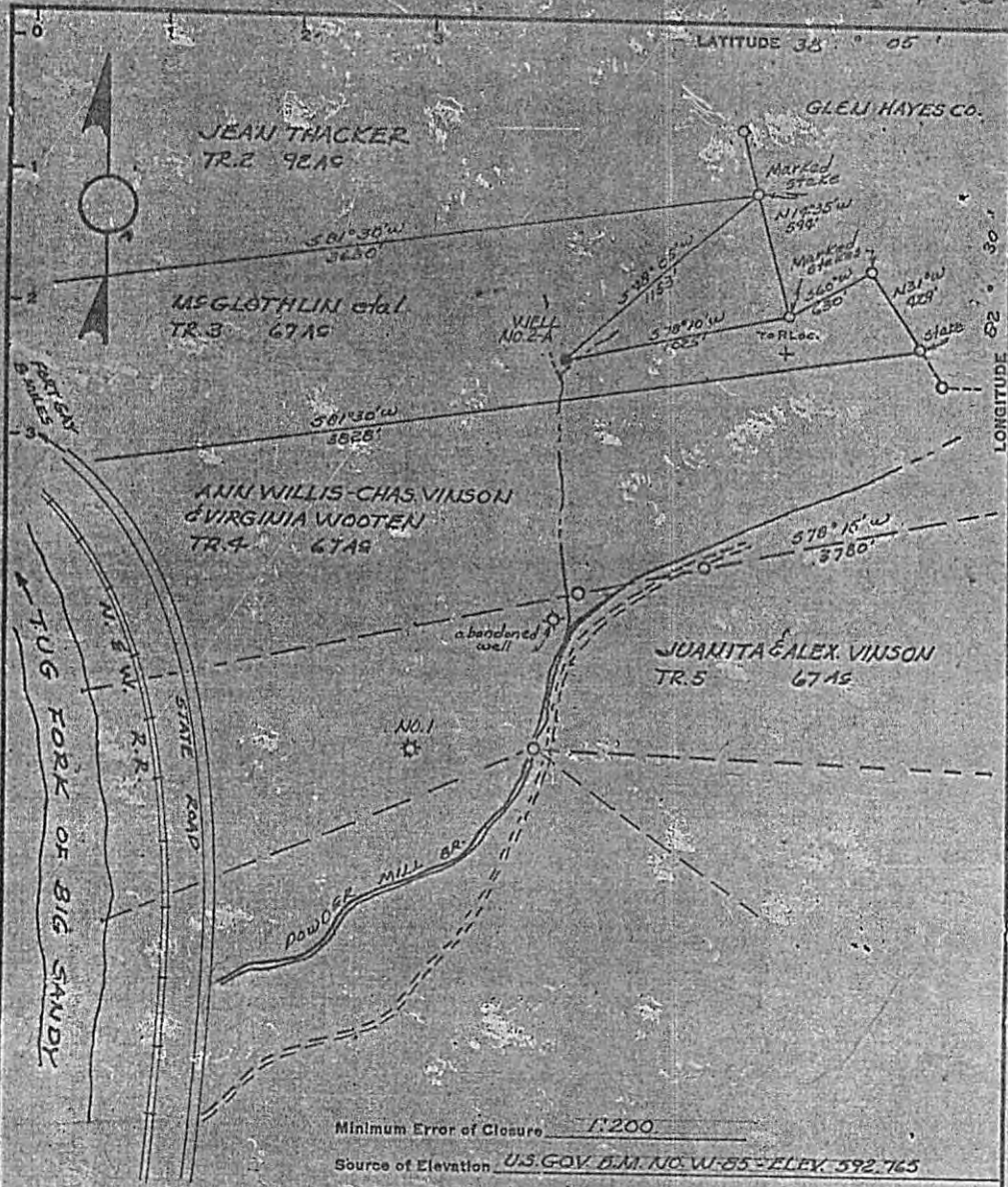
CONDITIONS

1. The plugging permit for API Well 9902275, which is an abandoned well, has specific conditions that must be met by the operator.
2. The concrete block well housing must be removed and the local Oil and Gas inspector must be notified 48 hours before this work is done
3. The operator and its plugging contractor must work with the state inspector to determine the best management practice method to plug this abandoned well.
4. The plugging procedure must be approved by the local state inspector before implementation.
5. Any effluent must be contained in tanks and not allowed to contaminate the ground or creek.
6. As the plugging work will be done within close proximity to a creek, the Army Corps of Engineers must be contacted and any necessary permits obtained before work is commenced.

Nancy Wickline

REFERENCE WELL

8-1-66-103



Minimum Error of Closure $1/200$
 Source of Elevation U.S. GOV. D.M. NO. W-85-ELEV. 592.765
LOCATED 900' SOUTH OF POWDER MILL BRANCH

- Fracture
- New Location
- Drill Deeper
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 5 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: C. C. Hampton
 Map No. _____ Squares: N S E W

Company	<u>R. WAYNE CHRISTENSON</u>
Address	<u>1041 N. BALL ANGER HWY, FLINT, MICH.</u>
Farm	<u>MSGLOTHLIN et al</u>
Tract	<u>5</u> Acres <u>67</u> Lease No. _____
Well (Farm) No.	<u>2A</u> Serial No. _____
Elevation (Spirit Level)	<u>602.30</u>
Quadrangle	<u>LOUISA, W.VA.</u>
County	<u>WAYNE</u> District <u>LINCOLN</u>
Engineer	<u>C. C. HAMPTON</u>
Engineer's Registration No.	<u>KY 2215</u>
File No.	_____ Drawing No. _____
Date	<u>MARCH 16, 1966</u> Scale <u>1"=600'</u>

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WAY-1510

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Nancy Wickline

REFERENCE Well

Form OG-10

B-1



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Miss Phillips
over printing
6-16-66
109

Quadrangle _____

Permit No. WAY-1510

WELL RECORD

Oil or Gas Well Gas

Company R. Wayne Christenson
Address 1161 Ballenger Hwy.
Farm Flint, Mich. Acres 67
Location (waters) McGlothlin Farm Big Sandy River
Well No. 2A Elev. 603
District Lincoln County Way no
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4		301' 7"	
8 1/8		992' 1/4"	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
5 3/16		33'	Perf. bottom All

Drilling commenced April 3, 1966
Drilling completed May 22, 1966
Date Shot 5-23-66 From 1663 To 1708
With Gelatin
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 80,000 Ca. Ft.
Rock Pressure 400 lbs. 2 1/2 hrs.
Oil _____ bbls. 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

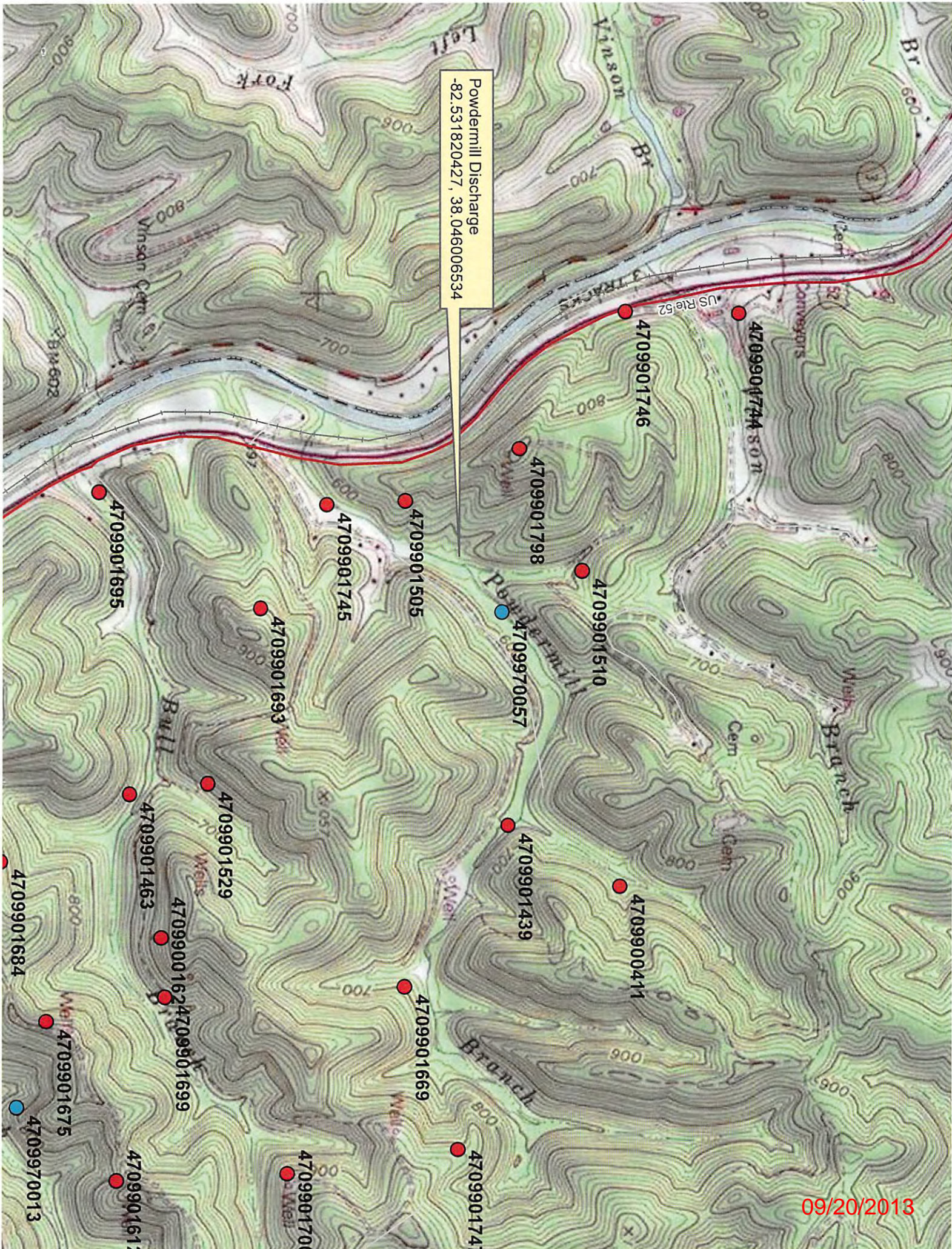
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT _____
Fresh Water 40 Feet Salt Water 560 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface	yellow	soft	0	10			
slate	blue	soft	10	30			
coal	black	soft	30	32			
sand	white	soft	32	45			
slate	blue	soft	45	60			
sand	white	soft	60	103			
slate	blue	soft	103	360			
sand	white	soft	360	409			
slate	blue	soft	409	500			
sand	white	soft	500	872			
slate	blue	soft	872	959			
sand	white	soft	959	973			
big lime	white	hard	973	1137			
Injun	gray	hard	1137	1153			
slate	blue	soft	1153	1663			
coffee shale	brown	soft	1663	1663	1668		
Berea Grit	gray	hard	1668	1709			
slate	blue	soft	1709	1718	gas at 1683 " " 1691		

(over)



Powdermill Discharge
-82.531820427, 38.046006534

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number _____
3) API Well No.: 47 - 099 - 40057
02275P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name ✓ <u>Alexander Vinson</u>	Name <u>Meadow Fork Mining</u>
Address <u>22675 Bellwood Lane</u>	Address <u>P.O. Box 1420</u>
<u>CALIFORNIA, MO. 2069</u>	<u>Ceredo, W. VA 25507</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name ✓ <u>Gerald Vinson</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Jeremy James</u>	(c) Coal Lessee with Declaration
Address <u>COOL 57th ST SE</u>	Name <u>Meadow Fork Mining</u>
<u>Charleston, WV</u>	Address <u>PO Box 1420</u>
Telephone _____	<u>Ceredo, W. VA 25507</u>

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 Department 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 W. J. Vinson, - Meadow Fork Mining Co., L
 By: K. B. Walsh
 Its: Pres.
 Address PO Box 1420
Ceredo, WV. 25507
 Telephone (606) 624-5874

Subscribed and sworn before me this 16th day of August 2013
W. J. Vinson Notary Public

My Commission Expires 9-28-2013
Notary ID # 403473

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

STATE OF WEST VIRGINIA
DEPARTMENT 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 Meadow Fork Mining Co., LLC OP Code _____

Watershed 0507020106 Powdermill Branch Quadrangle Louisa

Elevation 570' County Wayne District Lincoln

Description of anticipated Pit Waste: No waste, plugging well only

Will a synthetic liner be used in the pit? _____
No Pit. ANY WELL FLUIDS WILL BE CONTAINED IN TANKS.

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 No Drilling is proposed. Plugging well ONLY)

Proposed Work For Which Pit Will Be Used:

- _____ Drilling
- _____ Workover
- _____ Other (Explain _____)
- _____ Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department 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 RB Kirk

Company Official (Typed Name) BB Kirk

Company Official Title Manager

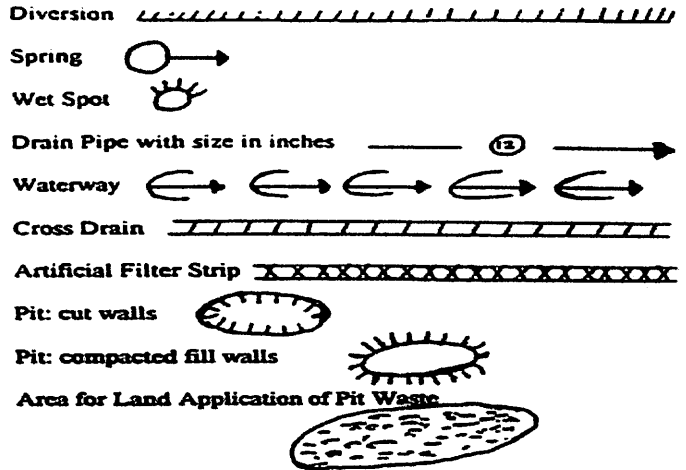
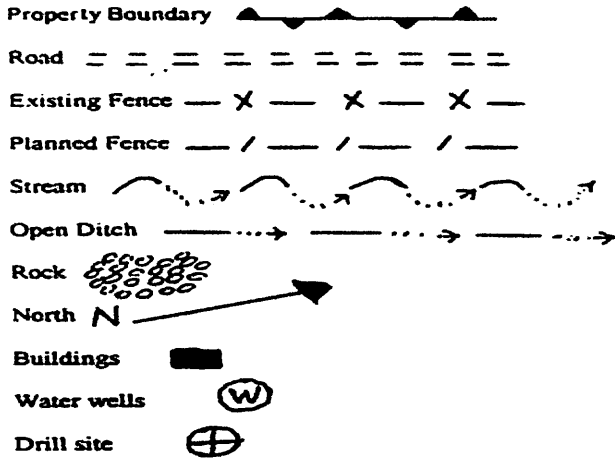
Subscribed and sworn before me this 16th day of August, 2013

Wicki L Adkins Notary Public

My commission expires 9-28-2013

IP #403423

LEGEND



Proposed Revegetation Treatment: Acres Disturbed N/A Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

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

Mulch 2000 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Perennial Rye Grass	10		
Red Top	4-6		
Foxtails Millet	12		
Kobe Respedeza	15-30		

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

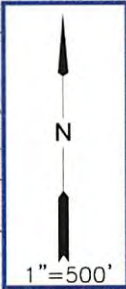
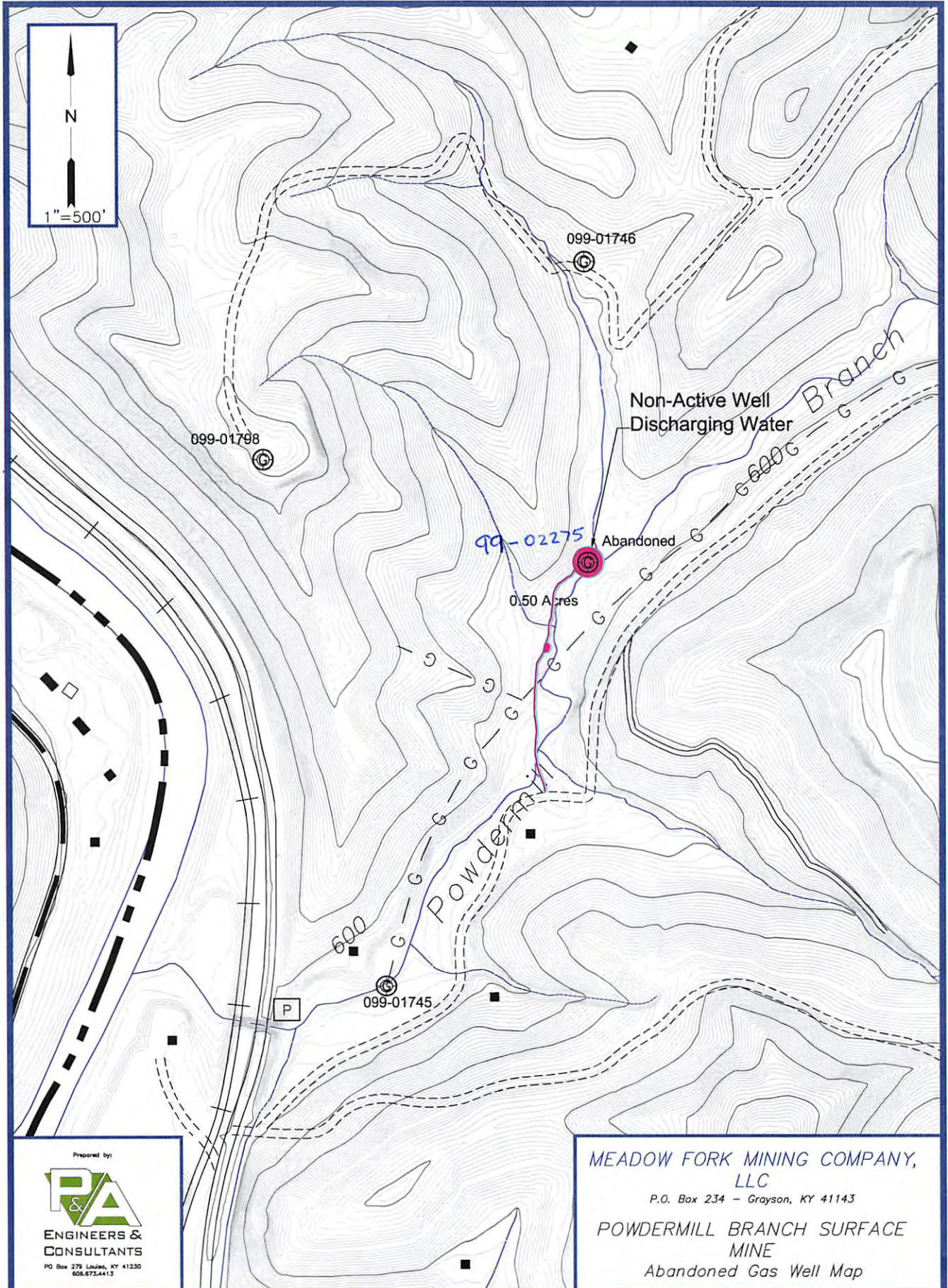
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No



Prepared by:

PA & A
ENGINEERS & CONSULTANTS
PO Box 279 Louisa, KY 41230
606.875.4413

MEADOW FORK MINING COMPANY, LLC
P.O. Box 234 - Grayson, KY 41143
POWDERMILL BRANCH SURFACE MINE
Abandoned Gas Well Map

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-099-02275 WELL NO.: 1
FARM NAME: Vinson
RESPONSIBLE PARTY NAME: Meadow Fork Mining, LLC
COUNTY: Wayne DISTRICT: Lincoln
QUADRANGLE: Louisa
SURFACE OWNER: Juanita Vinson, Alexander Vinson
ROYALTY OWNER: Gerald Vinson
UTM GPS NORTHING: 4212068.85m
UTM GPS EASTING: 365628.99m GPS ELEVATION: 172.32m (565.35)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

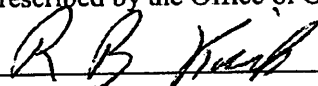
Real-Time Differential ____

Mapping Grade GPS : Post Processed Differential ____

Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.


Signature

Member
Title

08/29/2013
Date

09/20/2013

