



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

June 30, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1502177, issued to PRIME OPERATING COMPANY, 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: 746
Farm Name: DRAKE, EVERETT
API Well Number: 47-1502177
Permit Type: Plugging
Date Issued: 06/30/2015

Promoting a healthy environment.

07/03/2015

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.

Ch # 644028
\$100⁰⁰

WW-4B
Rev. 2/01

1) Date _____, 20_____
2) Operator's
Well No. 746
3) API Well No. 47-015 - 02177

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 X or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 1013.76 Watershed Otterlick Run of Big Otter
District Otter County Clay Quadrangle Ivydale 7.5

6) Well Operator Prime Operating Company 7) Designated Agent _____
Address 714 1/2 Lee Street East Address _____
Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Ed Gainer Name _____
Address PO Box 821 Address _____
Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows:
Run 2 3/8" tubing to 2050' TD. Pump 6% gel to surface, set 150' cement plug to cover perfs. Pull tubing to 1377'
and set 150' cement plug to cover perfs. Pull 2 3/8 tubing To 1000' and set a 100' cement plug.
Pull 2 3/8" tubing out of well and cut casing at 870'. Pump 6% gel to surface and set 100' cement plug at pipe cut. Pull 4 1/2" casing to
350' set 100' cement plug inside and at the bottom of surface pipe. Pull 4 1/2" casing to 100' and
fill with cement to surface. Set a plugging monument with API.

GPS N 38.55532 W 081.00703

8 5/8" CASING APPEARS TO BE SET @ 416', ∴ SET 200' CEMENT PLUG
FROM 466' TO 266'. gdm

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

Work order approved by inspector

Date

3/23/15

07/03/2015

1502177A



IV-35
(Rev 8-81)

Date January 22, 1985
Operator's
Well No. 746
Farm Gore-Morris Trust, et al
API No. 47 - 015 - 2177

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production x / Underground Storage / Deep / Shallow x /)
LOCATION: Elevation: 1013.76 Watershed Otterlick Run of Big Otter
District: Otter County Clay Quadrangle Ivydale 7.5'

COMPANY Prime Operating Company
ADDRESS 714 1/2 Lee St E, Chas WV 25301
DESIGNATED AGENT Robert L. Blackburn
ADDRESS Same
SURFACE OWNER Etta Drake/o Robert Drake
ADDRESS 163 Burnside Rd, Portersville PA 16051
MINERAL RIGHTS OWNER Gore-Morris Trust, et al
Union National Bank of
ADDRESS Bx 2330, Clarksburg, WV 26301 Clarksburg
OIL AND GAS INSPECTOR FOR THIS WORK Richard
Campbell ADDRESS P.O. Box 22, Duck WV 25063
PERMIT ISSUED December 8, 1983
DRILLING COMMENCED October 11, 1984
DRILLING COMPLETED October 16, 1984

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	416'	416'	120 sks.
7			
5 1/2			
4 1/2		2066'	165 sks
3			
2			
Liners used			

RECEIVED
Office of Oil & Gas
Permitting
FEB 28 2001
WV Division of
Environmental Protection

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Big Injun Depth 2400 feet
Depth of completed well 2146' feet Rotary x / Cable Tools
Water strata depth: Fresh 150 feet; Salt 1120 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 1980-2008 feet
Gas: Initial open flow Mcf/d Oil: gal/d

07/03/2015

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforations

16 holes from 1980-2008

Treatment

90 quality foam frac w/500 gals. of 15% HCl; 60,000# 20/40 sand,
153 bbls. H₂O, 627 MSCF of N₂

WELL LOG
746

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone and Shale			0	682	All Measurements
Shale			682	1052	Fresh water @ 150'
Sandstone and Shale			1052	1344	Salt water @ 1120'
Shale			1344	1432	
Salt Sand			1432	1644	
Shale			1644	1724	
Maxon			1724	1776	
Little Lime			1776	1801	
Blue Monday			1801	1830	
Pencil Cave			1830	1848	
Big Lime			1848	1953	
Big Injun			1953	2034	
Shale			2034	2146	
Total Depth				2146	

WW-4A
Revised 6-07

1) Date: 8/11/2014
2) Operator's Well Number
Gore Morris 746
3) API Well No.: 47 - 015 - 02177

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>Lorenza K Summers, etal</u>	Name _____
Address <u>1979 Summers Fork of Sandy Rd</u> ✓	Address _____
<u>Wallback, WV 25285</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Ed Gainer</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 821</u>	Name _____
<u>Spencer WV 25276</u>	Address _____
Telephone <u>304-389-7582</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 Prime Operating Company
 By: [Signature]
 Its: Designated Agent/ District Manager
 Address 714 1/2 Lee Street East
Charleston, WV 25301
 Telephone 304-342-0121

Subscribed and sworn before me this 14th day of April 2015
Sara Lyon Notary Public
 My Commission Expires March 28, 2023

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 depprivacyoffier@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

Gore Morris 746

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
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,


 Signature _____ Date 4/27/15 Name _____
 By _____
 Its _____ Date _____

Signature

Date **07/03/2015**

CK 644028
100.00

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 Prime Operating Company OP Code 306837

Watershed Otterlick Run of Big Otter Quadrangle Ivydale 7 1/2

Elevation 1013.76' County Clay District Otter

Description of anticipated Pit Waste: Salt Water, Cementing Fluids and gel

Will a synthetic liner be used in the pit? Yes 20 ML.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2D0873432)
- 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
- 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 Halsey M. Whitney

Company Official (Typed Name) Halsey M. Whitney

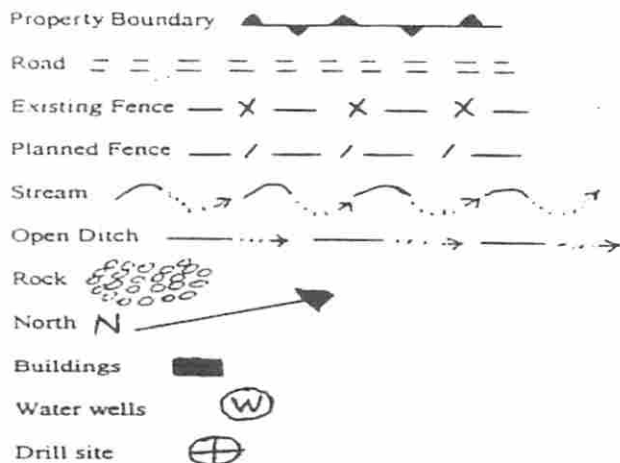
Company Official Title Designated Agent/ District Manager

Subscribed and sworn before me this 27th day of March, 20 15

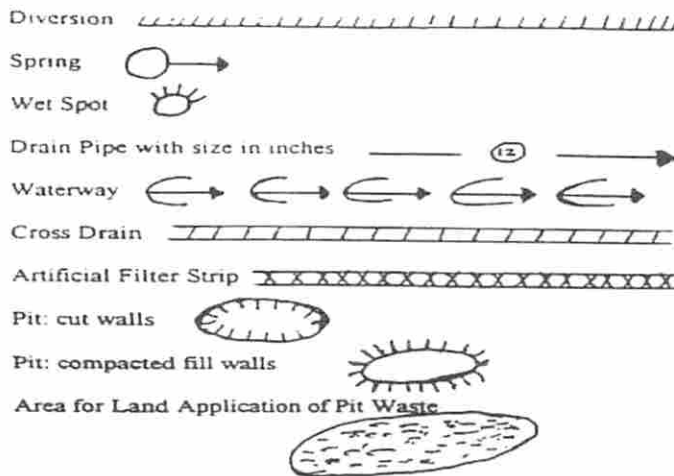
Sara M. Lyon Notary Public

My commission expires March 28, 2023





LEGEND



Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 6.5

Lime _____ Tons/acre or to correct to pH 6.5

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


Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY 31 Fescue		50			

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

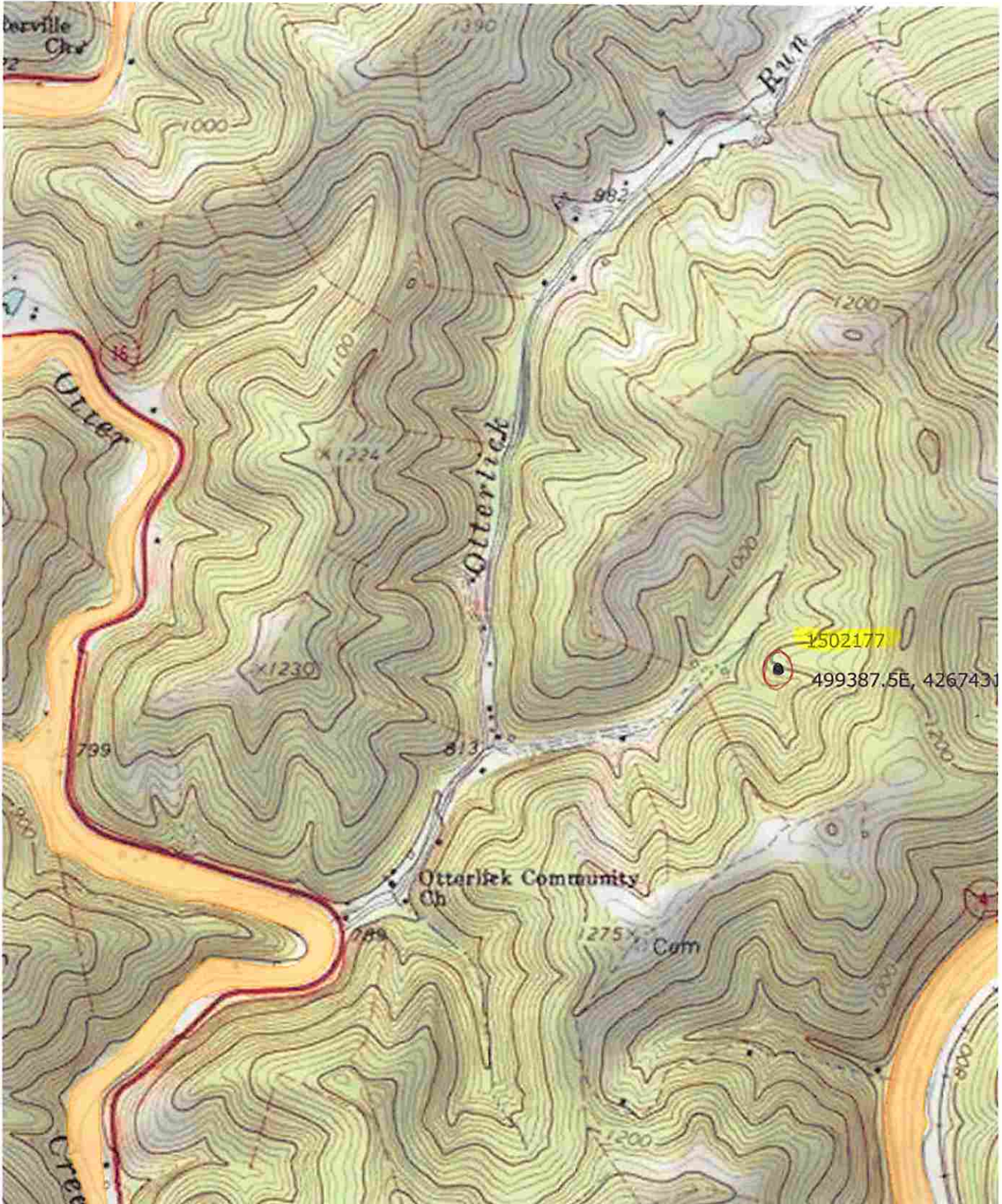
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments: _____

Title: Inspector Date: 3/23/15

Field Reviewed? () Yes () No

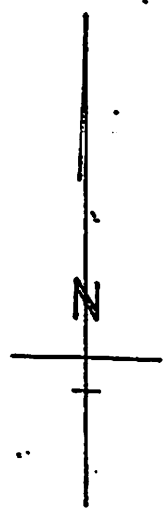
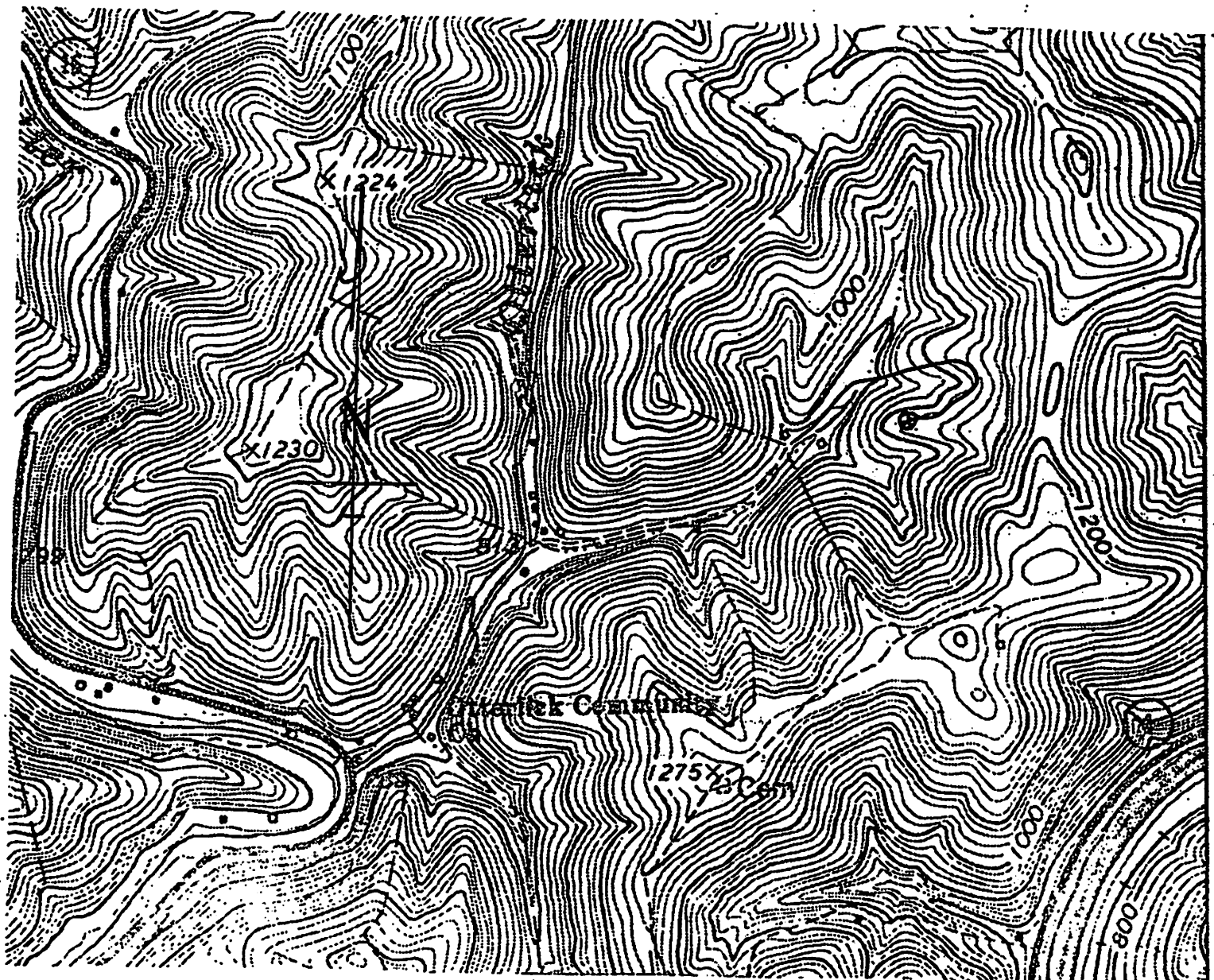


07/03/2015

IV-9 REVERSE
(REV 8-81)

INVOLVED TOPOGRAPHIC MAP
QUADRANGLE 7 1/2' Twp dale
Otter SE

1502177F
Well Site ⊕
Access Road _____



Overlick
Rd



07/03/2015

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Office of Oil and Gas

JUN 24 2015

WV Department of
Environmental Protection

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-015-02177 WELL NO.: 746

FARM NAME: Gore-Morris

RESPONSIBLE PARTY NAME: Prime Operating Company

COUNTY: Clay DISTRICT: Otter

QUADRANGLE: Ivydale

SURFACE OWNER: Lorenza Summers

ROYALTY OWNER: Gore - Morris etal

UTM GPS NORTHING: 4267431.9

UTM GPS EASTING: 499387.5 GPS ELEVATION: 316.4 (1039')

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.

Abel M. W. [Signature]
Signature

Agent
Title

6/17/15
Date



1502177 A

IV-9
(Rev 8-81)

DATE 12-10-82
WELL NO. Norris # 746
API NO. 47-015-2177

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. Co WELL OPERATOR Sterling Drilling & Prod.
Address 360 Madison Ave.- NY, NY 10017 Address c/o H.L. Berger - Chars., WV
Telephone (212) 949-9100 Telephone (304) 342-0121
LANDOWNER Errett Duke SOIL CONS. DISTRICT ELK SCD
Revegetation to be carried out by Sterling Drilling & Prod. Co.-H.L. Berger (Agent)

This plan has been reviewed by ELK SCD. All corrections and additions become a part of this plan: 12-14-82
(Date)

Vernon Coakley
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Culvert</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>Size 24" x 12"</u>	Material <u>Earth</u>
Page Ref. Manual <u>2-8</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Drainage Ditches</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>Roadside</u>	Material <u>Rock</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-9</u>
Structure <u>Cross Ditches</u> (C)	Structure _____ (3)
Spacing <u>80' for 10' grade</u>	Material _____
Page Ref. Manual <u>24</u>	Page Ref. Manual _____

RECEIVED

DEPT OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

07/03/2015

I
Now

Operator: PRIME OPERATING COMPANY
API: 1502177
WELL No: 746
Reviewed by: gwm Date: 6/29/15
5 Day End of Comment: 05/11/15

CHECKLIST FOR FILING A PERMIT

Plugging

CK # 644028
\$100⁰⁰

- WW-4B
- Inspector signature on WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7 (Not sent 05/04/15) Resolved 05/25/15

OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$100.00 check (~~\$0.00 if no pit~~)

07/03/2015