



---

**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

April 02, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3300396, issued to GREAT OAK ENERGY INC, 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: M-354  
Farm Name: S & B RESOURCES, LLC  
**API Well Number: 47-3300396**  
**Permit Type: Plugging**  
Date Issued: 04/02/2014

**Promoting a healthy environment.**

## 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.

WW-4B  
Rev. 2/01

1) Date November 6, 2013  
2) Operator's M354  
Well No. Edna Marple #1  
3) API Well No. 47-033-00396

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 1440' Watershed Peeltree Run  
District Elk 05 County Harrison 33 Quadrangle Berlin 245
- 6) Well Operator Great Oak Energy, Inc. 7) Designated Agent Jerry K. Hanifan  
Address 637 Allegheny Ave., P O Box 445 Address RR 9 Box 421  
Oakmont, PA 15139-0445 Buckhannon, WV 26201
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Sam Ward Name Great Oak Energy, Inc.  
Address P. O. Box 2327 Address 637 Allegheny Ave., P O Box 445  
Buckhannon, WV 26201 Oakmont, PA 15139-0445
- 10) Work Order: The work order for the manner of plugging this well is as follows:

General Information On Well:

1. There is no pressure on the 2" tubing or the 4 1/2" casing.
2. There is no gas or indications of gas. We recently put a swab rig on the well to check the TD of the tubing/packer and set down at 4434'.
3. Well was last produced 1/1984. It was a dramatic stop in production and indicates possible casing failure. We believe the 8 5/8" and 4 1/2" casings have issues.
4. Casing Size and depths as follows:  
10 3/4" Casing depth 223'  
8 5/8" Casing depth 1228' (Possibly pulled)  
4 1/2" Casing depth 4602'
5. Water indications as follows:  
Water 54'-58'  
Water 930'-936'  
Water 1106'-1111'  
Water 2040'-2045'
6. There were no indications of oil or gas on the completion report.
7. Perforations: 4505'-4508'
8. 4 1/2" Casing cemented approximately 850' with 90 sacks cement and 14 sacks gel.

Proposed Plugging Procedures and Contingencies

1. Release packer and pull tubing. Remove packer and inspect tubing on way out for any holes.
2. Run tubing to TD and load hole with 6% gel.
3. Set 100' plug from 4485' to 4385'. (20' above top perf at 4505').
4. Trip out tubing.
5. Shut down for night (SDFN) and wait on cement (WOC).
6. Tag plug to make sure plug in proper place.

RECEIVED

Office of Oil and Gas

JAN 23 2014

WV Department of  
Environmental Protection

WW-4B  
Rev. 2/01

1) Date November 6, 2013  
2) Operator's M354  
Well No. Edna Marple #1  
3) API Well No. 47-033-00396

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON - Page 2

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

7. If Packer does not release.
  - a. Run CCL to confirm packer set depth (approximately 4434').
  - b. Attempt to pump fluid and 6% gel beneath packer.
  - c. Cut tubing off above packer.
  - d. Pull up 10' and spot 100' plug over packer and gel hole.
  - e. Trip tubing out of hole.
  - f. SDFN and WOC.
  - g. Tag plug to make sure plug in proper place.
8. Determine 4½" casing free point (estimated at approximately 3752'). Cut 4½" casing and pull up 200'. Run tubing back in hole and set 100' cement plug 50' below and 50' above point where casing was cut. Trip tubing out of hole. Tag cement plug.
9. Pull 4 ½" casing to approximately 2438'. Set cement plug from 2438'-2338' (Point where hole size changes and 7" casing was pulled.) Tag cement plug.
10. Pull 4 ½" casing to approximately 2005'. Set cement plug from 2005' to 1905'. (Plug covers water zones at 2040' - 2045'). Tag cement plug.
11. Trip out remaining 4½" casing.
12. Determine status of 8 5/8" casing. There is a possibility that the 8 5/8" casing is either not present or collapsed given the configuration of the wellhead (See attached pictures).
  - a. If casing is present at surface but collapsed down the hole and we are unable to pull any of the 8 5/8" casing, perforate water zones at 1106'-1111' and 930'-936'. Trip tubing in hole and set cement plug from 880' to 780' to cover water zones. Tag cement plug.
  - b. If casing can be pulled from below water zones at 1106'-1111' and 930'-936' or has been pulled and nonexistent, set 6% gel from last plug to 880' (20' above highest water zone). Set cement plug from 880' to 780'. Tag cement plug.
  - c. If casing is cut/pulled above water zones, trip tubing in hole and set cement plug from 880' to 780' Gel from 830 to casing cut. Run tubing and set a 100' plug across casing cut (beginning 50' below cut to 50' above cut. Tag cement plug.
13. Determine if 10 ¾" casing can be pulled.
  - a. If casing is pulled place 6% gel from top of last plug to 108' which is 50' below base of coal reported at 58'. Set cement plug from 108' to surface.
  - b. If 10 ¾" casing cannot be pulled, perforate from 54 to 59 feet. Run tubing back in hole. Set a cement plug from 273' (50' below casing seat) to surface.
14. Install 3' monument with API number. *Ensure that CSR Series 35-4-556 is followed with the marker. SDW*

Received  
JAN 9 2014

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

Work order approved by inspector

*S. D. Whitte*

Date

12/2/2013



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

M. 354

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Weston SE 2  
Permit No. HAR - 396

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Allerton Miller  
Address 2501 Grant Building, Pittsburgh, Pa.  
Farm Edna Marple Acres 165  
Location (waters) Pecks Run - Knatty Creek Br.  
Well No. M-354 (1) Elev. 1132.8'  
District Elk County Harrison  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced September 16, 1965  
Drilling completed December 9, 1965  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 60,000 Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10 3/4"	223'	223'	Size of _____
8 5/8"	1228'	1228'	
6 3/4"			Depth set _____
5 3/16"			
X 7"	2438'		Perf. top <u>4505</u>
X 4 1/2"	1602'	1602'	Perf. bottom <u>4508</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 1/2 SIZE 850 No. Ft. 12-9-65 Day  
Lawson - 90 Cement & 1 1/2 Gal

COAL WAS ENCOUNTERED AT 54 FEET 48 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED Dowell - (12-14-65) 42,750 Gal. Slick Water  
60,000 Pounds Sand

RESULT AFTER TREATMENT 2 1/2 H.  
ROCK PRESSURE AFTER TREATMENT 1680 in 72hrs.  
Fresh Water See Below Feet 54' - 58' Salt Water See Below Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	5			
Grey Clay			5	22			
Lime			22	54			
Coal			54	58	Water	54 - 58	
Lime			58	170			
Red Rock			170	180			
Slate & Shells			180	186			
Red Rock			186	214			
Slate & Shells			214	292			
Red Rock			292	308			
Slate & Shells			308	322			
Red Rock			322	336			
Lime			336	365			
Slate & Shells			365	410			
Lime			410	426			
Slate & Shells			426	436			
Red Rock			436	445			
Slate & Shells			445	500			
Red Rock			500	520			
Slate & Shells			520	564			
Sand			564	615			
Slate & Shells			615	675			
Sand			675	700			
Slate & Shells			700	770			
Lime			770	900			
Sand			900	938	Water	930 - 936	
Slate & Shells			938	1056			
Sand			1056	1130	Water	1106 - 1111	
Slate & Shells			1130	1143			

(over)

Received  
JAN 23 2014  
Office of Oil and Gas  
WV Dept. of Environmental Protection

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1143	1216			
Lime			1216	1326			
Sand			1326	1345			
Lime			1345	1377			
Sand			1377	1395			
Slate & Shells			1395	1420			
Red Rock			1420	1645			
Slate & Shells			1645	1710			
Lime			1710	1720			
Slate			1720	1722			
Big Lime			1722	1770			
Sand			1770	1860			
Lime			1860	1900			
Slate & Shells			1900	1925			
Lime			1925	2025			
Sand			2025	2185	Water	2040-2045	
Lime			2185	2324			
Slate & Shells			2324	2350			
Red Rock			2350	2415			
Slate & Shells			2415	2430			
Lime			2430	2510			
Slate & Shells			2510	2558			
Gritty Lime			2558	2580			
Slate & Shells			2580	2800			
Lime			2800	4500			
Benson Sand			4500	4510			
Slate & Shells			4510	4602 T. D.			

Received

JAN 23 2014

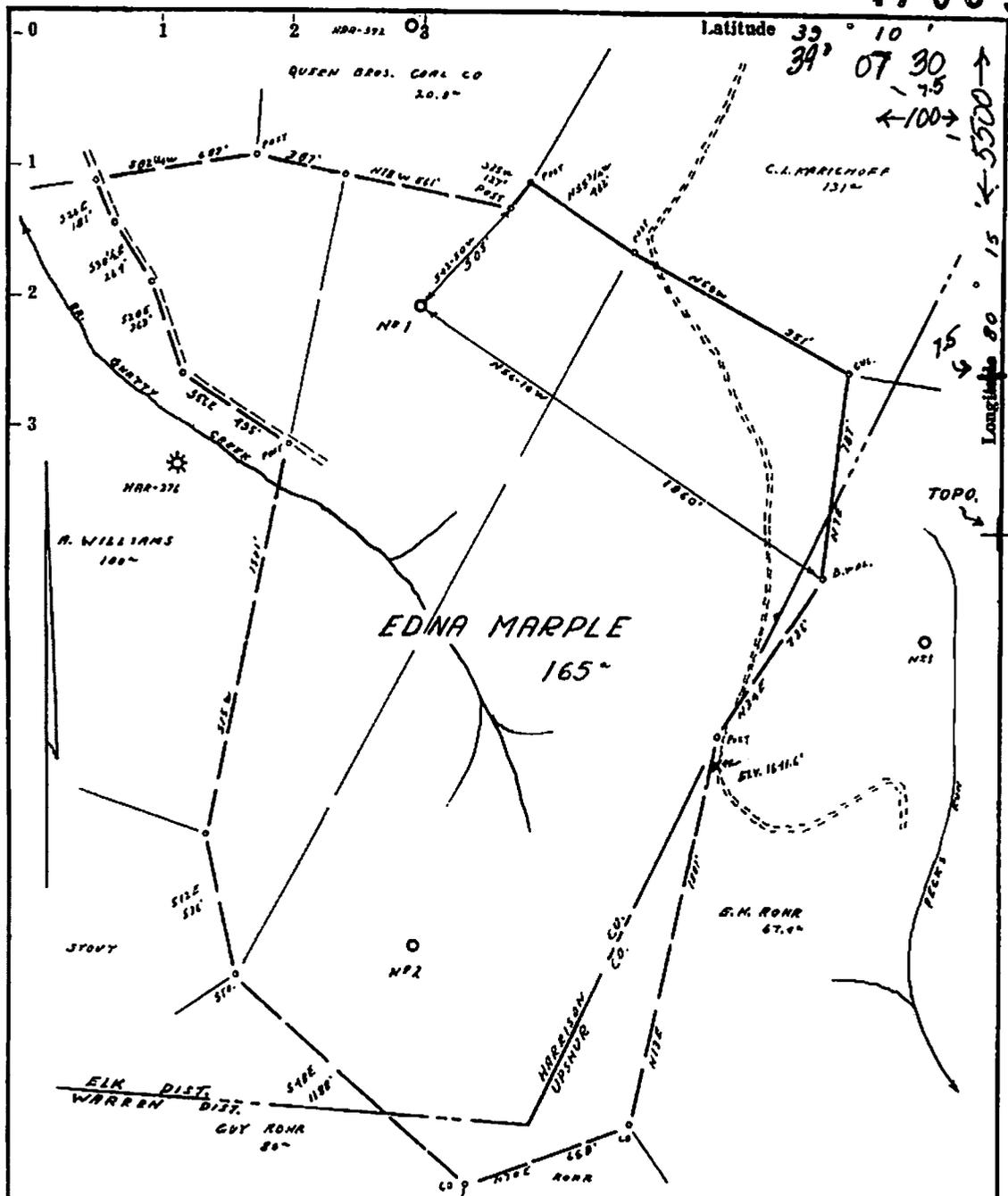
Office of Oil and Gas  
WV Dept. of Environmental Protection

Date Jan 7, 196

APPROVED [Signature], Ownr

By \_\_\_\_\_ (Title)

4703300396P



- Fracture...
- Redrill...
- New Location.
- Drill Deeper...
- Abandonment...  6/15/87

Source of Elevation ELV. S. ROAD SOUTH OF L.S.L. ELV. 1691.6'  
 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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
 Minimum accuracy, one part in 200

Company Union Drilling  
 Address Buckhannan, W. Va.  
 Farm EDNA MARPLE 165 MINE  
 Tract \_\_\_\_\_ Acres 165 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. M-354  
 Elevation (Spirit Level) 1432.0'  
 Quadrangle WESTON SE 22  
 County HARRISON District ELK  
 Engineer James J. Jeffries  
 Engineer's Registration No. 1084  
 File No. 210/32 Drawing No. \_\_\_\_\_  
 Date 8-1-65 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. HAR-396-P  
PL. CANCELLED  
 + 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.  
 47-033

HAR. 396-P CANCELLED

1) Date: December 5, 2013  
2) Operator's Well Number  
Edna Marple #1 (M354)  
3) API Well No.: 47 - 033 - 00396

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

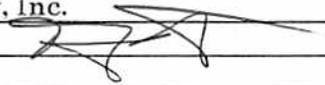
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>S &amp; B Resources, LLC</u> ✓	Name _____
Address <u>200 Chapel Brook Drive</u>	Address _____
<u>Bridgeport, WV 26330</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration _____ ✓
Address _____	Name <u>Penn Virginia Operating Co., LLC</u>
	Address <u>7 Sheridan Square, Suite 400</u>
	<u>Kingsport, TN 37660</u>
(c) Name _____	Name <u>North Central Resources, LLC</u> ✓
Address _____	Address <u>200 Chapel Brook Drive</u>
	<u>Bridgeport, WV 26330</u>
	Name _____
	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration _____ ✓
Address <u>P. O. Box 2327</u>	Name <u>Penn Virginia Oil &amp; Gas Corporation</u>
<u>Buckhannon, WV 26201</u>	Address <u>2250 E. Stone Drive, Suite 110</u>
Telephone <u>(304) 389-4583</u>	<u>Kingsport, TN 37660</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	<u>Great Oak Energy, Inc.</u>
By:	<u>Terry J. Holt</u> 
Its:	<u>President</u>
Address	<u>637 Allegheny Avenue, P O Box 445</u>
	<u>Oakmont, PA 15139-0445</u>
Telephone	<u>(412) 828-2900</u>

Subscribed and sworn before me this 5<sup>th</sup> day of December, 2013

Donna T. Hogue Notary Public

My Commission Expires 7/3/14

Oil and Gas Privacy Notice

RECEIVED  
Office of Oil and Gas

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Donna T. Hogue, Notary Public  
Burrell Twp., Indiana County  
My Commission Expires July 3, 2014

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](mailto:depprivacyofficer@wv.gov).

4703300396

GREAT OAK ENERGY, INC.  
637 ALLEGHENY AVENUE  
P. O. BOX 445  
OAKMONT, PA 15139-0445

CERTIFIED MAIL



7002 0860 0004 3434 0483

UNITED STATES POSTAGE  
PITNEY BOWES  
\$ 006.310  
02 1P  
0004660331 DEC 05 2013  
MAILED FROM ZIP CODE 15139

Penn Virginia Oil & Gas Corporation  
2250 E. Stone Drive, Suite 110  
Kingsport, TN 37660

NIXIE 381 FE 1009 0012/14/13

RETURN TO SENDER  
NOT DELIVERABLE AS ADDRESSED  
UNABLE TO FORWARD

BC: 15139044545 \*1047-09898-14-35

UTF  
M354

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Penn Virginia Oil & Gas Corp.  
2250 E. Stone Drive, Suite 110  
Kingsport, TN 37660

COMPLETE THIS SECTION ON DELIVERY

- A. Signature  Agent  Addressee
- X**
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type
- Certified Mail  Express Mail
- Registered  Return Receipt for Merchandise
- Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number  
(transfer from service label)

7002 0860 0004 3434 0483

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

Received

JAN 23 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

4703 300396

M354

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

S+B Resources, LLC  
 200 Chapel Brook Drive  
 Bridgeport, WV 26330

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  
 Agent  
 Addressee
- B. Received by (Printed Name)  
 Kinbealy Stobanos
- C. Date of Delivery  
 12-9-13
- D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.
4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Transfer from service label) 7002 0860 0004 3434 0469

M354

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Penn Virginia Operating Co., LLC  
 7 Sheridan Square, Suite 400  
 Kingsport, TN 37660

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  
 Agent  
 Addressee
- B. Received by (Printed Name)
- C. Date of Delivery  
 12-9-13
- D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.
4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Transfer from service label) 7002 0860 0004 3434 0476

M354

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

North Central Resources, LLC  
 200 Chapel Brook Drive  
 Bridgeport, WV 26330

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  
 Agent  
 Addressee
- B. Received by (Printed Name)  
 Kinbealy Stobanos
- C. Date of Delivery  
 12-9-13
- D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.
4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Transfer from service label) 7002 0860 0004 3434 0490

Received  
 JAN 23 2014

FORM WW-9  
Rev. 02/03

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 033 - 0396  
Operator's Well No. M-354

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 Great Oak Energy, Inc. OP Code 20395

Watershed Peeltree Run Quadrangle Berlin 7 1/2'

Elevation 1,440' County Harrison District Elk

Description of anticipated Pit Waste: Gel. Cement. Water

Will a synthetic liner be used in the pit? Yes (20mil)

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 \_\_\_\_\_)

*SDCO  
12/2/2013*

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 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 *Terry J. Hoit*

Company Official (Typed Name) Terry J. Hoit

Company Official Title President

*Received*

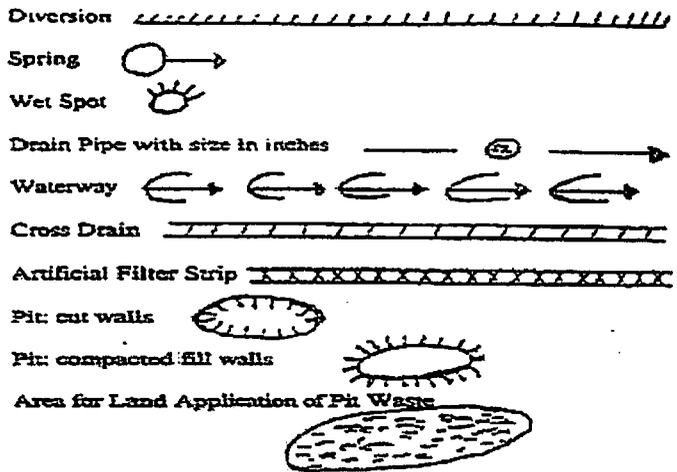
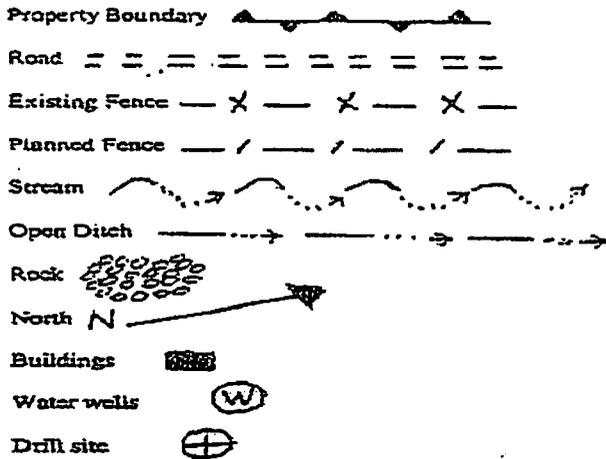
Subscribed and sworn before me this 20<sup>th</sup> day of November, 2013

*Donna T. Hogue* Notary Public

My commission expires 7/3/2014

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Donna T. Hogue, Notary Public  
Burrell Twp., Indiana County  
My Commission Expires July 3, 2014  
Member, Pennsylvania Association of Notaries

LEGEND



Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_  
 As determined  
 Lime by pH test \_\_\_\_\_ Tons/acre or to correct to pH 6.5  
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)  
 Mulch hay or straw 2 Tons/acre

Seed Mixtures

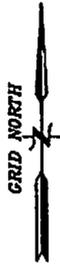
Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Kentucky Bluegrass	20	Kentucky Bluegrass	20
Redtop	5	Redtop	5
White Clover	2	White Clover	2

Attach:  
 Drawing(s) of road, location, pit and proposed area for land application.  
 Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: S. P. D. Warrick  
 Comments: Add ETS as necessary per WV DEP E & S manual

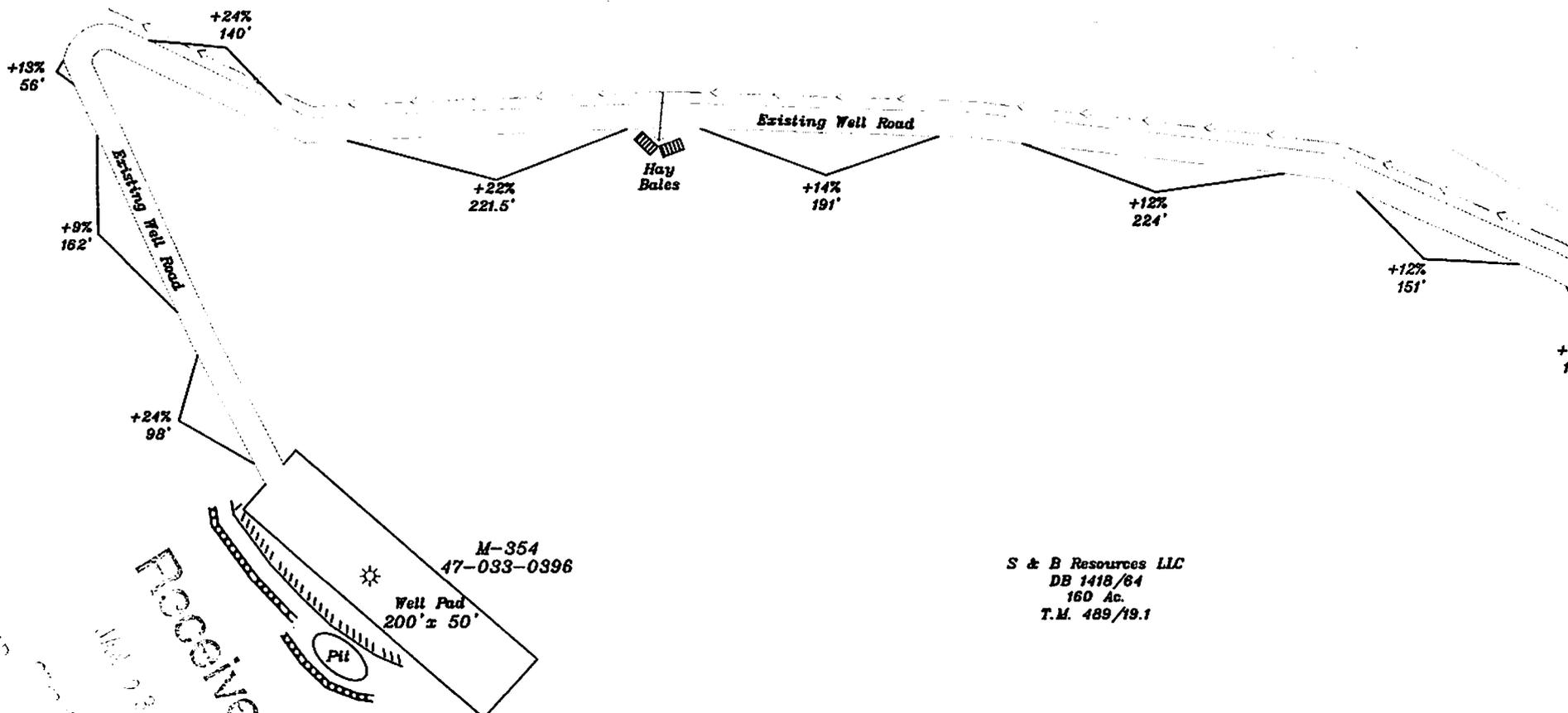
Title: Oil & Gas Inspector Date: 12/2/2013  
 Field Reviewed?  Yes  No

Received  
 12/2/2013  
 014  
 Oil and Gas  
 Environmental Protection



Schlachter  
DB 1396/660  
9 Ac.  
T.M. 489/15

Schlachter  
DB 1396/660  
9.45 Ac.  
T.M. 489/15.1



Received  
JUL 23 2014

S & B Resources LLC  
DB 1418/64  
160 Ac.  
T.M. 489/19.1

Access road follows existing road.

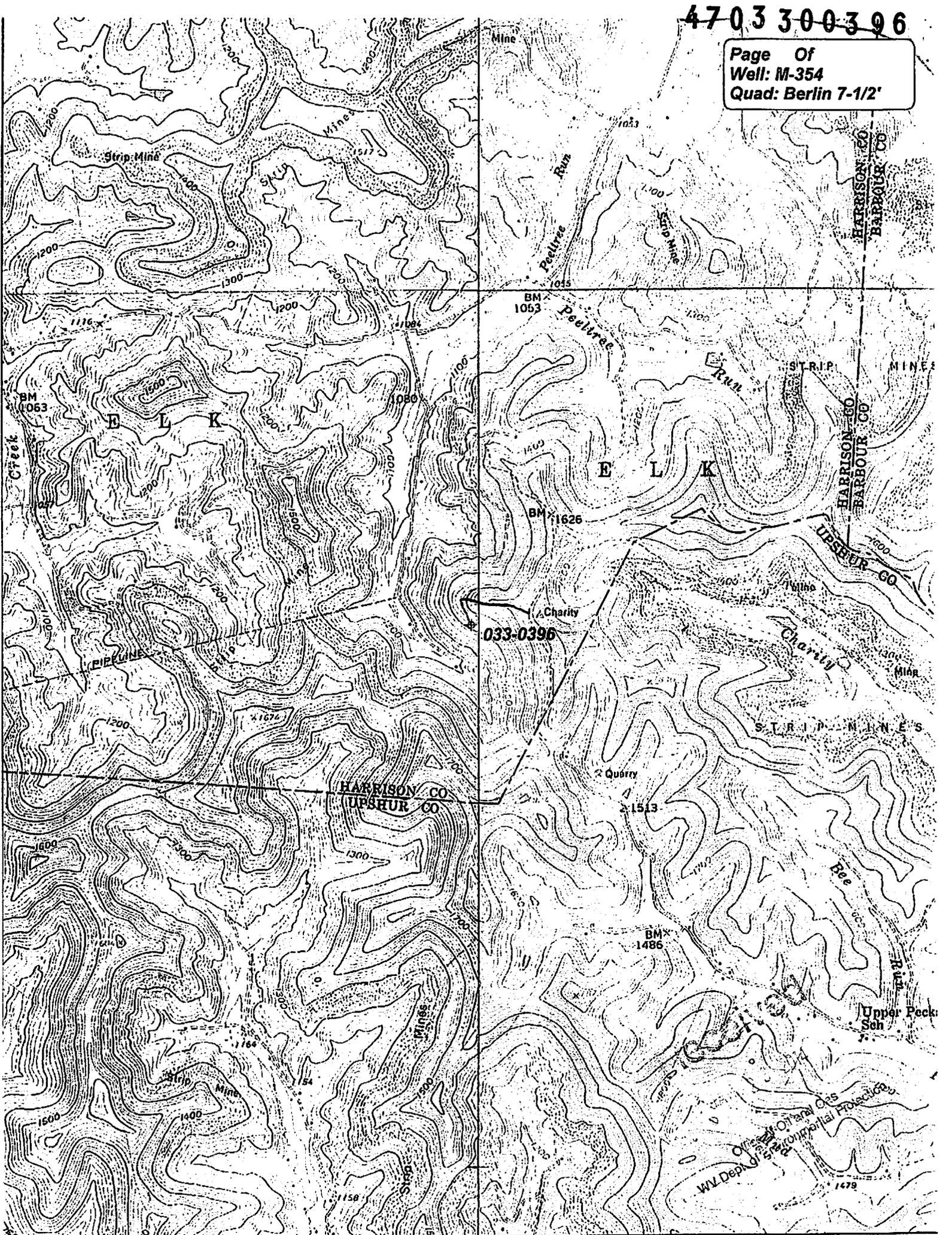
Topsoil will be stockpiled for use in reclamation and revegetation.

Culverts will be added as needed after construction.

Sediment control will be added prior to construction phase.

4703300396

Page Of  
Well: M-354  
Quad: Berlin 7-1/2'



033-0396

HARRISON CO  
UPSHUR CO

Office of  
Environmental Protection  
WV Dept of  
Natural Resources

WW-7  
8-30-06



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

API: 47-033-0396 WELL NO.: M-354

FARM NAME: Edna Marple #1

RESPONSIBLE PARTY NAME: Great Oak Energy, Inc.

COUNTY: Harrison DISTRICT: Elk

QUADRANGLE: Berlin 7 1/2'

SURFACE OWNER: S & B Resources LLC

ROYALTY OWNER: Dorothy Sue Marple et al

UTM GPS NORTHING: 4329168.7

UTM GPS EASTING: 564838.4 GPS ELEVATION: 438.9m  
(1440ft)

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 X: Post Processed Differential \_\_\_\_\_

Real-Time Differential X

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.

Daniel L Jackson  
Signature

Professional Surveyor #708  
Title

11/13/13  
Date

Received  
JAN 23 2014

# GREAT OAK ENERGY, INC.

January 20, 2014

WV Dept. of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

Gentlemen:

RE: Applications for a Permit to Plug and Abandon  
Hawkins #1 (M-338) – API #47-097-00837  
Marple #1 (M-354) - API #47-033-00396

Enclosed please find Great Oak Energy, Inc.'s (GOE) applications, which have been approved by the appropriate inspectors, and the required supporting documents for permits to plug and abandon the above-referenced wells located in Buckhannon District and Elk District, Upshur County, West Virginia. Also enclosed is GOE's check in the amount of \$200 to cover the fee for a pit permit.

If you have any questions or need any further information regarding the plugging applications, please contact me at (412) 828-2900, ext. 303.

Sincerely,

  
Donna T. Hogue

Enclosures

RECEIVED  
Office of Oil and Gas

JAN 23 2014

WV Department of  
Environmental Protection

637 ALLEGHENY AVENUE  
P.O. BOX 445  
OAKMONT, PA 15139-0445

PHONE: 412-828-2900  
FAX: 412-828-8942