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**west virginia** department of environmental protection

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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

May 16, 2014

**WELL WORK PERMIT**

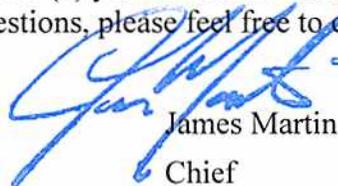
**Vertical Well**

This permit, API Well Number: 47-8510117, issued to TERM ENERGY CORP., 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: FOX 45  
Farm Name: FOX, ROBERT & MARY ANN, E'  
**API Well Number: 47-8510117**  
**Permit Type: Vertical Well**  
Date Issued: 05/16/2014

**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

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1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.

4708510417  
 CR2799  
 65000

WW - 2B  
 (Rev. 8/10)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: Term Energy Corporation 85 02 392

	306756	Ritchie	Grant	Harrisville
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: Fox # 45      3) Elevation: 914'

4) Well Type: (a) Oil  or Gas   
 (b) If Gas: Production  / Underground Storage \_\_\_\_\_  
 Deep \_\_\_\_\_ / Shallow

5) Proposed Target Formation(s): Gordon      Proposed Target Depth: 2800'

6) Proposed Total Depth: 2800' Feet      Formation at Proposed Total Depth: Gordon

7) Approximate fresh water strata depths: 120'

8) Approximate salt water depths: 1470'

9) Approximate coal seam depths: None

10) Approximate void depths,(coal, Karst, other): None

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)  
Drill new well and stimulate with Nitrogen and/or Gel water fracturing methods. (Pit not to exceed 5000 barrels water.)

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	9 5/8"	R - 2	26#	30'	30'	Grout to surface
Fresh Water	7"	R- 3	17#	350'	350'	To surface
Coal						
Intermediate						
Production	4 1/2"	R - 3	10.5#	2800'	2800'	1800' (248cu.ft)
Tubing						
Liners						

RECEIVED  
 Office of Oil and Gas  
 MAY 09 2014

Packers: Kind: NA  
 Sizes: NA  
 Depths Set NA

WV Department of  
 Environmental Protection  
 5-8-14  
 Dan Lewis

WW-2A  
(Rev. 6-07)

1). Date: \_\_\_\_\_  
2.) Operator's Well Number          Fox # 45  
State          County          Permit           
3.) API Well No.: 47- 085 -         

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:      5) (a) Coal Operator  
(a) Name Robert E. Fox W      Name \_\_\_\_\_  
Address 1405 Meganwood Circle      Address \_\_\_\_\_  
Lexington, KY 40502      \_\_\_\_\_  
(b) Name Mary Ann S. Fox W      (b) Coal Owner(s) with Declaration  
Address # 4 Cable Lane      Name \_\_\_\_\_  
Athens, ohio 45701      Address \_\_\_\_\_  
\_\_\_\_\_  
(c) Name TERM Energy Corporation W      Name \_\_\_\_\_  
Address 713 East Main Street      Address \_\_\_\_\_  
Harrisville, WV 26362      \_\_\_\_\_  
6) Inspector David Cowan      (c) Coal Lessee with Declaration  
Address 1597 Devil Hole Road      Name \_\_\_\_\_  
Harrisville, WV 26362      Address \_\_\_\_\_  
Telephone 304-389-3509      \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

         Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through          on the above named parties by:

- X Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator TERM Energy Corporation  
By: Leroy Baker [Signature]  
Its: Designated Agent  
Address 713 East Main Street  
Harrisville, WV 26362  
Telephone 304-643-4500

Subscribed and sworn before me this 5<sup>th</sup> day of May



Jean Freeland Notary Public  
My Commission Expires March 8, 2019

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](mailto:depprivacyofficer@wv.gov)

WW-2A Surface Waiver

**SURFACE OWNER WAIVER**

County     Richie     Operator     TERM Energy Corporation      
 Operator well number     Fox # 45    

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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 57<sup>th</sup> 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 **FIFTEEN (15) 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 a 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.

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

FOR EXECUTION BY A CORPORATION, ETC.

Robert E. Fox  
 Signature  
ROBERT E. FOX  
 Print Name

Date 5/1/2014  
 Company Name  
 By  
 Its

TERM Energy Corporation  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

SURFACE OWNER WAIVER

County Ritchie

Operator  
Operator well number

TERM Energy Corporation  
Fox # 45

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FOR EXECUTION BY A CORPORATION, ETC.

Mary Ann S. Fox  
Signature

Date 5/8/14

Company Name TERM Energy Corporation

By \_\_\_\_\_  
Its \_\_\_\_\_ Date \_\_\_\_\_

Mary Ann S. Fox  
Print Name

Signature \_\_\_\_\_ Date \_\_\_\_\_

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Ritchie

Operator  
Operator well number

TERM Energy Corporation  
Fox # 45

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Department of Environmental Protection  
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FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature Date \_\_\_\_\_

\_\_\_\_\_  
Print Name

Company Name TERM Energy Corporation  
 By M.A.S. FOR RECEIVED  
 Its Office of Oil and Gas  
V.P.  
M.A.S.  
 Date 5/8/14  
 Date 5/8/14

Signature \_\_\_\_\_ Date \_\_\_\_\_  
 WV Department of  
 Environmental Protection

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Myrtle Layfield	Ross Riggs	1/8	76/473
Ross Riggs	H. B. Link	1/8	81/448
H. B. Link	L.F.R. Bellows (Partial Interest)	1/8	83/101
H. B. Link & L.F.R. Bellows	Byron D. Kuth	1/8	83/102 & 98/496 & 497
Byron D. Kuth	Robert B. Stallsworth, JR	1/8	98/589
Estate of Robert B. Stallsworth, JR etal	TERM Energy Corporation	1/8	207/773 & 775

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the proposed activity is initiated.

Well Operator:  
By: Its:

TERM Energy Corporation  
Leroy Baker  
Designated Agent

RECEIVED  
Office of Oil and Gas  
RECEIVED  
Office of Oil and Gas

WV Department of  
Environmental Protection  
WV Department of  
Environmental Protection

WW-2B1  
(5-12)

Well No. Fox # 45

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contractor chosen to collect sample.

Certified Laboratory Name	<u>Microbac Laboratories</u>
Sampling Contractor	<u>158 Starlight Dr. Marietta, Ohio 45750</u>

Well Operator	<u>TERM Energy Corporation</u>
Address	<u>713 East Main Street</u>
	<u>Harrisville, WV 26362</u>
Telephone	<u>304-643-4500</u>

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

There appears to be one water source within 1000' of well.

Surface owner contacted:

Gary Hunter  
3977 Cairo Road  
Cairo, WV 26337-6678

RECEIVED  
Office of Oil and Gas  
MAY 09 2014  
WV Department of  
Environmental Protection

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47-085 - \_\_\_\_\_  
Operator's Well No. Fox # 45 \_\_\_\_\_

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name TERM Energy Corporation OP Code 306756

Watershed (HUC 10) Addis Run Quadrangle Harrisville

Elevation 914' County Ritchie District Grant

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_\_\_ No X

Will a pit be used for drill cuttings? Yes X No \_\_\_\_\_

If so, please describe anticipated pit waste: Drilling water - Flowback fluid

Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number 2D0855151 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? No

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. air

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? TD 200 Drilling Soap (if needed)

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. leave in pit

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) None

-Landfill or offsite name/permit number? \_\_\_\_\_

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 [Signature]  
Company Official (Typed Name) Leroy Baker  
Company Official Title Designated Agent

RECEIVED  
Office of Oil and Gas  
MAY 08 2014

Subscribed and sworn before me this 5th day of May  
Jean Freeland  
My commission expires March 8, 2019

WV Department of Environmental Protection  
Notary Public  
OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
JEAN FREELAND  
HC 68 Box 2, Smithville, WV 26178  
My Commission Expires March 8, 2019

Form WW-9

Operator's Well No. Fox # 45

Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 6.0

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch straw/hay 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Ky - 31	40	Orchard Grass	40
Clover	5	Clover	5
Rye	15	Rye	15

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Daniel Cannon

Comments: preserve Mulch all cut area no less than 2  
ton per acre maintain all C&S during operation

Title: oil/gas inspector

Date: 5-5-14

Field Reviewed?  Yes  No

RECEIVED  
Office of Oil and Gas  
MAY 09 2014  
WV Department of  
Environmental Protection

4708510117



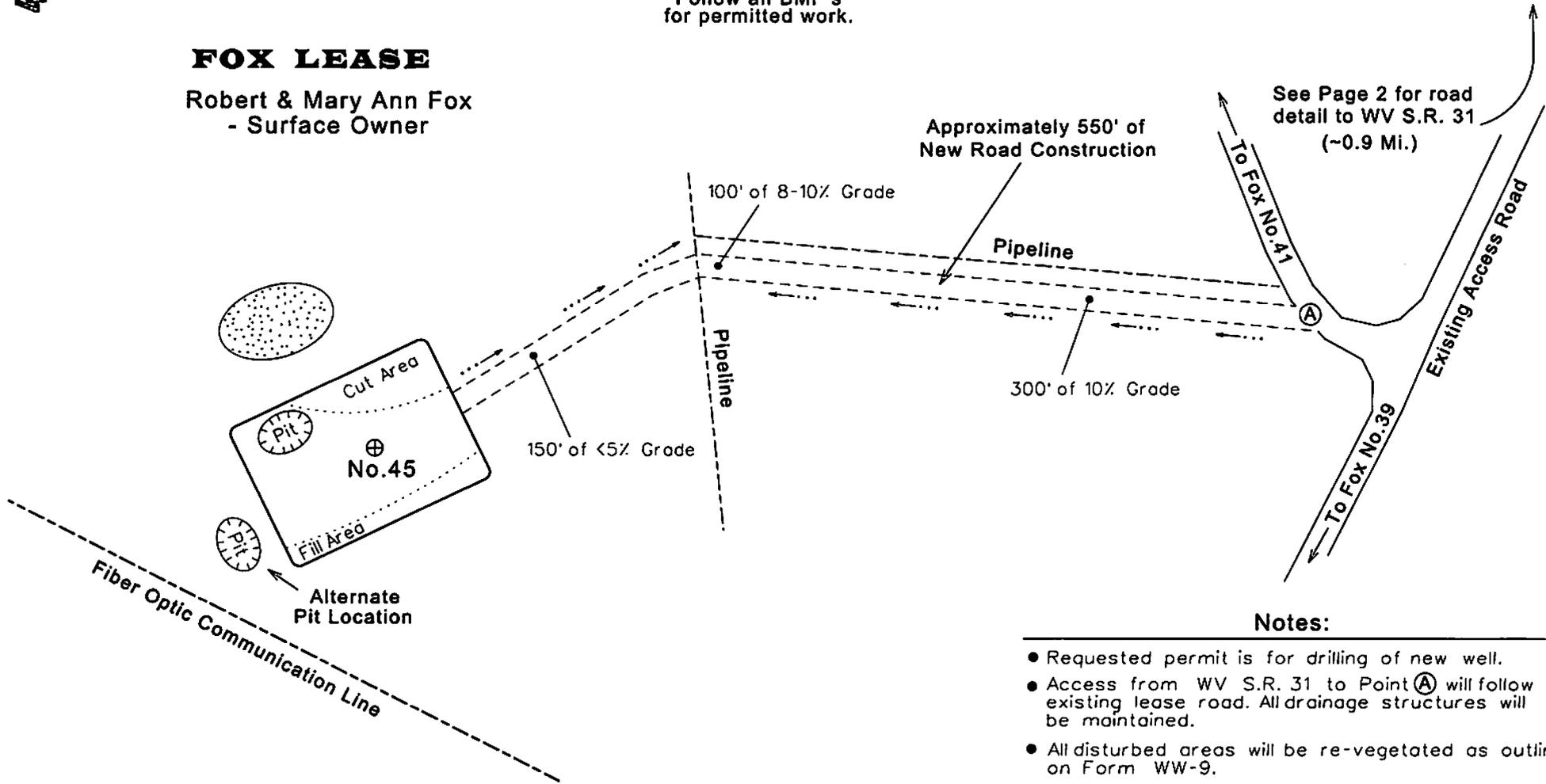
# Reclamation Plan For:

## Fox No.45

Refer to W.Va.  
Erosion & Sediment  
Control Field Manual  
(WVDEP - May 2012)  
Follow all BMP's  
for permitted work.

### FOX LEASE

Robert & Mary Ann Fox  
- Surface Owner



See Page 2 for road  
detail to WV S.R. 31  
(~0.9 Mi.)

#### Notes:

- Requested permit is for drilling of new well.
- Access from WV S.R. 31 to Point A will follow existing lease road. All drainage structures will be maintained.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Maintain sediment barriers and drainage structures.
- All road grades <5% except as noted.
- Location of drill pit may be changed based on as-built considerations.
- All road banks will be pre-seeded and mulched.

*David*  
5-5-14

Note: Drawing not to Scale

4708510117

# Reclamation Plan For:

## Fox No.45

Showing Main Access Roads  
to W.Va. S.R. 31

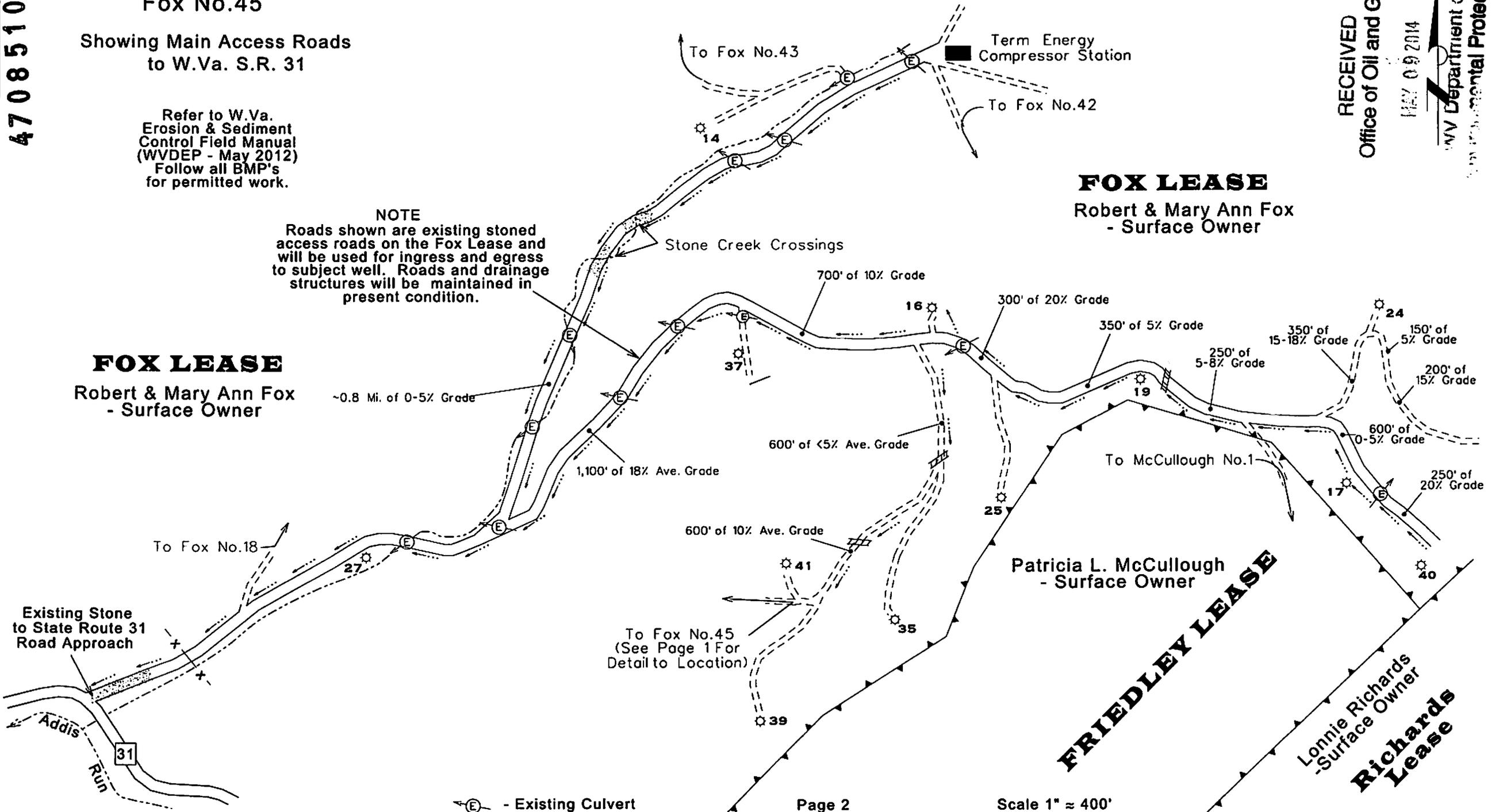
Refer to W.Va.  
Erosion & Sediment  
Control Field Manual  
(WVDEP - May 2012)  
Follow all BMP's  
for permitted work.

RECEIVED  
Office of Oil and Gas  
MAY 09 2014  
WV Department of  
Environmental Protection

**NOTE**  
Roads shown are existing stoned  
access roads on the Fox Lease and  
will be used for ingress and egress  
to subject well. Roads and drainage  
structures will be maintained in  
present condition.

**FOX LEASE**  
Robert & Mary Ann Fox  
- Surface Owner

**FOX LEASE**  
Robert & Mary Ann Fox  
- Surface Owner



~0.8 Mi. of 0-5% Grade

~0.8 Mi. of 0-5% Grade

1,100' of 18% Ave. Grade

600' of <5% Ave. Grade

600' of 10% Ave. Grade

700' of 10% Grade

300' of 20% Grade

350' of 5% Grade

250' of 5-8% Grade

350' of 15-18% Grade

150' of 5% Grade

200' of 15% Grade

600' of 0-5% Grade

250' of 20% Grade

To McCullough No.1

To Fox No.18

To Fox No.45  
(See Page 1 For  
Detail to Location)

Patricia L. McCullough  
- Surface Owner

**FRIEDLEY LEASE**

Lonnie Richards  
- Surface Owner

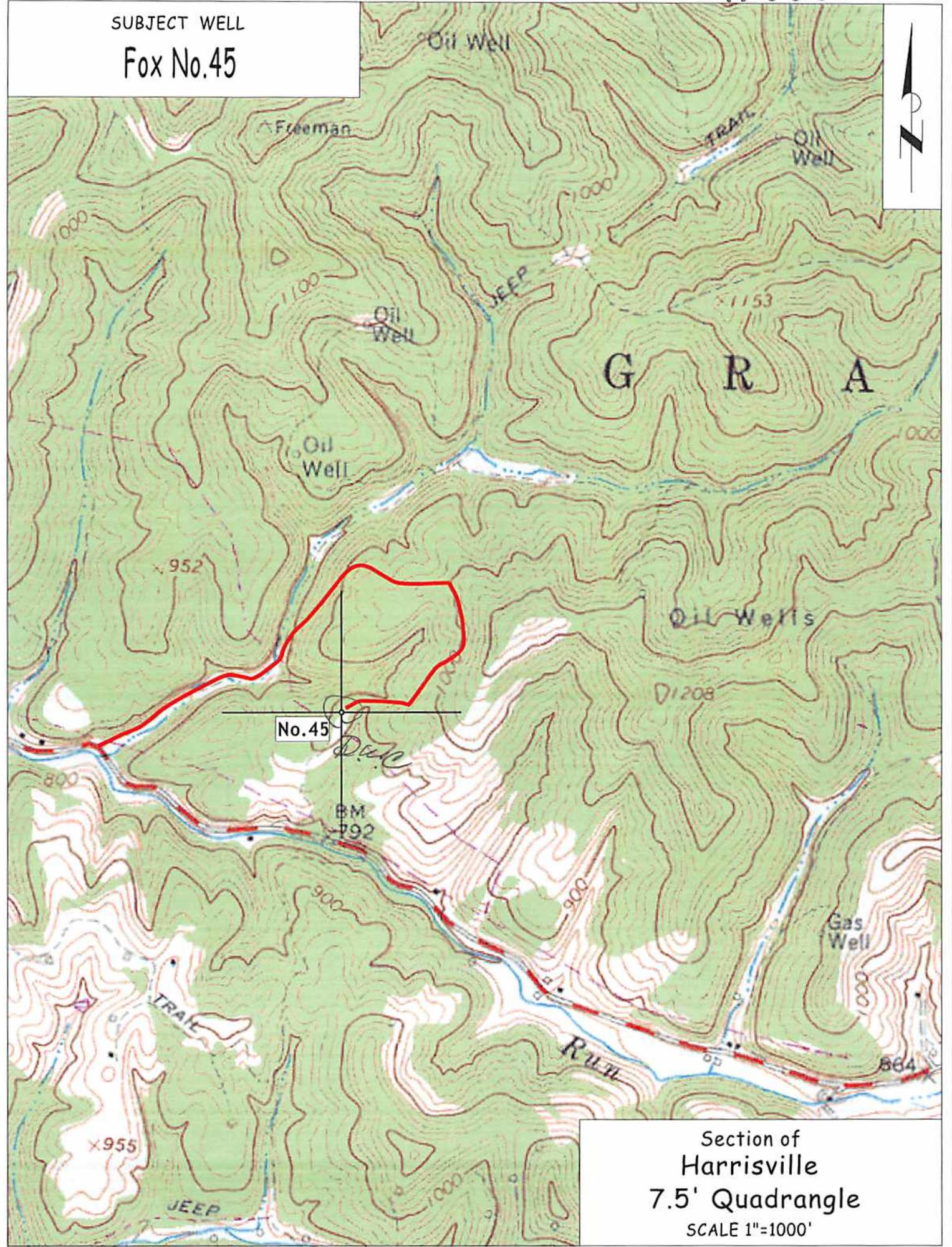
**Richards  
Lease**

Existing Stone  
to State Route 31  
Road Approach

Addis  
Run  
31

E - Existing Culvert

SUBJECT WELL  
Fox No.45



Section of  
Harrisville  
7.5' Quadrangle  
SCALE 1"=1000'

Call Table

- A - N46°E ~12 P.
- B - N44°30'E 6 P.
- C - N51°30'E 14 P.
- D - N58°30'E 25 P.
- E - N22°30'E 16 P.
- F - N62°E 11 P.

STEVEN SEESE  
19.75 Ac.

RONALD SIX  
40.63 Ac.

**FOX LEASE**  
SURFACE -  
ROBERT & MARY ANN FOX ET AL.  
900 Ac.

GARY HUNTER  
36 Ac.

SAMUEL COKELEY ET AL.  
72 Ac.

LONNIE RICHARDS ET AL  
120 Ac.

DANA WASHBURN  
103 Ac.

LOCATION REFERENCES

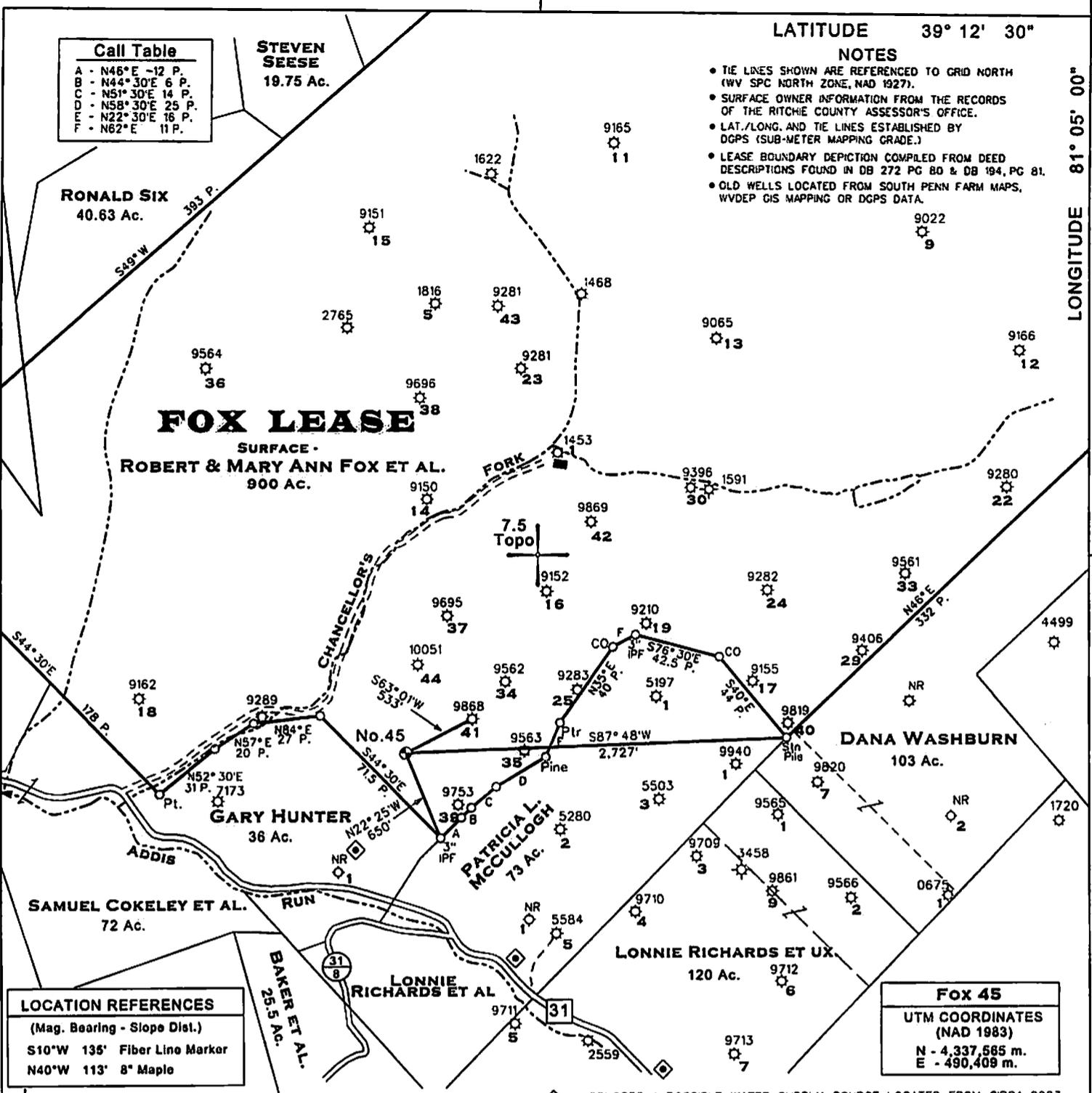
(Mag. Bearing - Slope Dist.)  
S10°W 135' Fiber Line Marker  
N40°W 113' 8" Maple

Fox 45

UTM COORDINATES  
(NAD 1983)  
N - 4,337,565 m.  
E - 490,409 m.

NOTES

- TIE LINES SHOWN ARE REFERENCED TO GRID NORTH (WV SPC NORTH ZONE, NAD 1927).
- SURFACE OWNER INFORMATION FROM THE RECORDS OF THE RITCHIE COUNTY ASSESSOR'S OFFICE.
- LAT./LONG. AND TIE LINES ESTABLISHED BY DGPS (SUB-METER MAPPING GRADE.)
- LEASE BOUNDARY DEPICTION COMPILED FROM DEED DESCRIPTIONS FOUND IN OB 272 PG 80 & OB 194, PG 81.
- OLD WELLS LOCATED FROM SOUTH PENN FARM MAPS, WVDEP GIS MAPPING OR DGPS DATA.

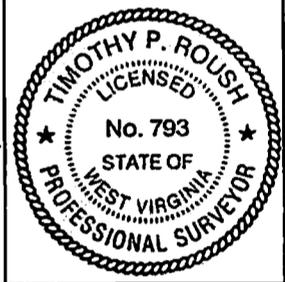


— DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. ◊ - DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.

FILE NO. 116-15  
 DRAWING NO. 45  
 SCALE 1" = 1,000'  
 MINIMUM DEGREE OF ACCURACY Sub-Meter  
 PROVEN SOURCE OF ELEVATION DGPS Survey

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]*  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil and Gas  
 601 57th Street  
 Charleston, West Virginia 25304



DATE April 15, 2014  
 FARM Fox No.45  
 API WELL NO. 47 - 085 - 10117

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW  HORIZONTAL \_\_\_  
 LOCATION: ELEVATION 914' WATERSHED Addis Run  
 DISTRICT Grant COUNTY Ritchie  
 QUADRANGLE Harrisville 7.5'  
 SURFACE OWNER Robert & Mary Ann Fox et al. ACREAGE 900 Ac.  
 OIL & GAS ROYALTY OWNER Robert & Mary Ann Fox et al. LEASE ACREAGE 900 Ac.  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Gordon ESTIMATED DEPTH 2,800'  
 WELL OPERATOR Term Energy Corporation DESIGNATED AGENT Leroy Baker  
 ADDRESS 713 East Main Street ADDRESS 713 East Main Street  
Harrisville, WV 26362 Harrisville, WV 26362