



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 29, 2014

WELL WORK PERMIT
Vertical Well

This permit, API Well Number: 47-1502902, issued to ROUZER OIL CO., 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.

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: BELL NO. 9
Farm Name: ROUZER OIL COMPANY
API Well Number: 47-1502902
Permit Type: Vertical Well
Date Issued: 09/29/2014

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. 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.
8. This permit is being conditioned to address the possibility of flooding in the area of this well. Any tanks stored on this location must be securely anchored in cement to prevent the loss of tanks should a flood occur. In addition, cages must be placed around the well head to prevent debris from damaging the well head.

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: Rouzer Oil Company 43250 Clay Union Elkhurst
Operator ID County District Quadrangle

2) Operator's Well Number: 9 3) Elevation: 1,043'

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

5) Proposed Target Formation(s): Big Injun Proposed Target Depth: 1,935'
 6) Proposed Total Depth: 2,035 Feet Formation at Proposed Total Depth: shale
 7) Approximate fresh water strata depths: 250'
 8) Approximate salt water depths: 1,190'

9) Approximate coal seam depths: none known

10) Approximate void depths, (coal, Karst, other): none known

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 sand fracture target formation at treating pressure of approximately 2,100 psi utilizing approximately 900 bb. of fresh water and 45,000 lbs. of sand

13) 9/8/14 **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13"		43.6	20		N/A
Fresh Water	9"		26 lb.	340	340	107 <u>CTS</u>
Coal						
Intermediate	7"		17 lb.	1,550	1,550	234 <u>CTS</u>
Production	4" <u>(4.5")</u>		10.5 lb.	2,035	2,035	up to 1,485'
Tubing						
Liners						

Packers: Kind: _____
 Sizes: _____
 Depths Set _____

RECEIVED
Office of Oil and Gas
SEP 08 2014
10/03/2014
WV Department of Environmental Protection

1502902
K25173
65000

WW-2A
(Rev. 6-07)

1). Date: August 22, 2014
2.) Operator's Well Number Bell No. 9
State County Permit
3.) API Well No.: 47- 015 -

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:
(a) Name Rouzer Oil Company
Address P.O. Box 987
Spencer, WV 25276
(b) Name
Address
(c) Name
Address
6) Inspector Ed Gainer
Address P.O. Box 821
Spencer, WV 25276
Telephone 304-389-7582

5) (a) Coal Operator
Name
Address
(b) Coal Owner(s) with Declaration
Name
Address
(c) Coal Lessee with Declaration
Name
Address

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)

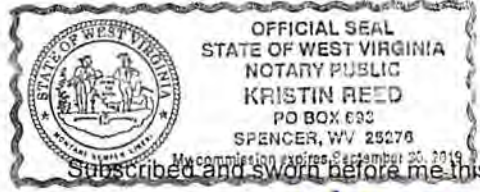
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- 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 Rouzer Oil Company
By: [Signature]
Its: President
Address P.O. Box 987
Spencer, WV 25276
Telephone 304-927-4574
Subscribed and sworn before me this 22th day of August, 2014

My Commission Expires 9/30/2019 Notary Public
Oil and Gas Privacy Notice

RECEIVED
Office of Oil and Gas

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

WV Department of Environmental Protection
10/03/2014

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Clay Operator Rouzer
Operator well number Bell No. 9

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 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 **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 dequated 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.

Signature Date _____

Print Name

Company Name Rouzer Oil Company
By J. B. Hildreth Date August 22, 2014
Its President

J. B. Hildreth
Signature Office of Oil and Gas
Date SEP 09 2014
WV Department of Environmental Protection

WW-2A1
(Rev. 1/11)

Operator's Well Number Bell No. 9

**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
Preston Oil Company	Rouzer Oil Company	1/8	Assign. Bk. 1/107

**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 affected activity is initiated.

Well Operator:
By: Its:

Rouzer Oil Company
President

Chris [Signature]

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Office of Oil and Gas

SEP 10 2014
WV Department of
Environmental Protection

10/03/2014

WW-2B1
(5-12)

Well No. Bell No. 9

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 contactor chosen to collect sample.

Certified Laboratory Name REIC
Sampling Contractor None. We propose to sample this water well in the presence of the water well owner.

Well Operator Rouzer Oil Company
Address P.O. Box 987
Spencer, WV 25276
Telephone 304-927-4574

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.

No water well or spring within 1,000 ft. of the proposed Bell No. 9. The water well shown at the address below is approximately 1,710 ft. distant and has been tested.

Jack Walker
1268 Joe's Road
Bomont, WV 25030

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Office of Oil and Gas

SEP 09 2014

WV Department of
Environmental Protection
10/03/2014

1502902

Form WW-9

Operator's Well No. Bell No. 9

Rouzer Oil Company

Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 5.5

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch 1.5 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY31 Fescue	30		
Red Clover	10		
Annual Rye	15		

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

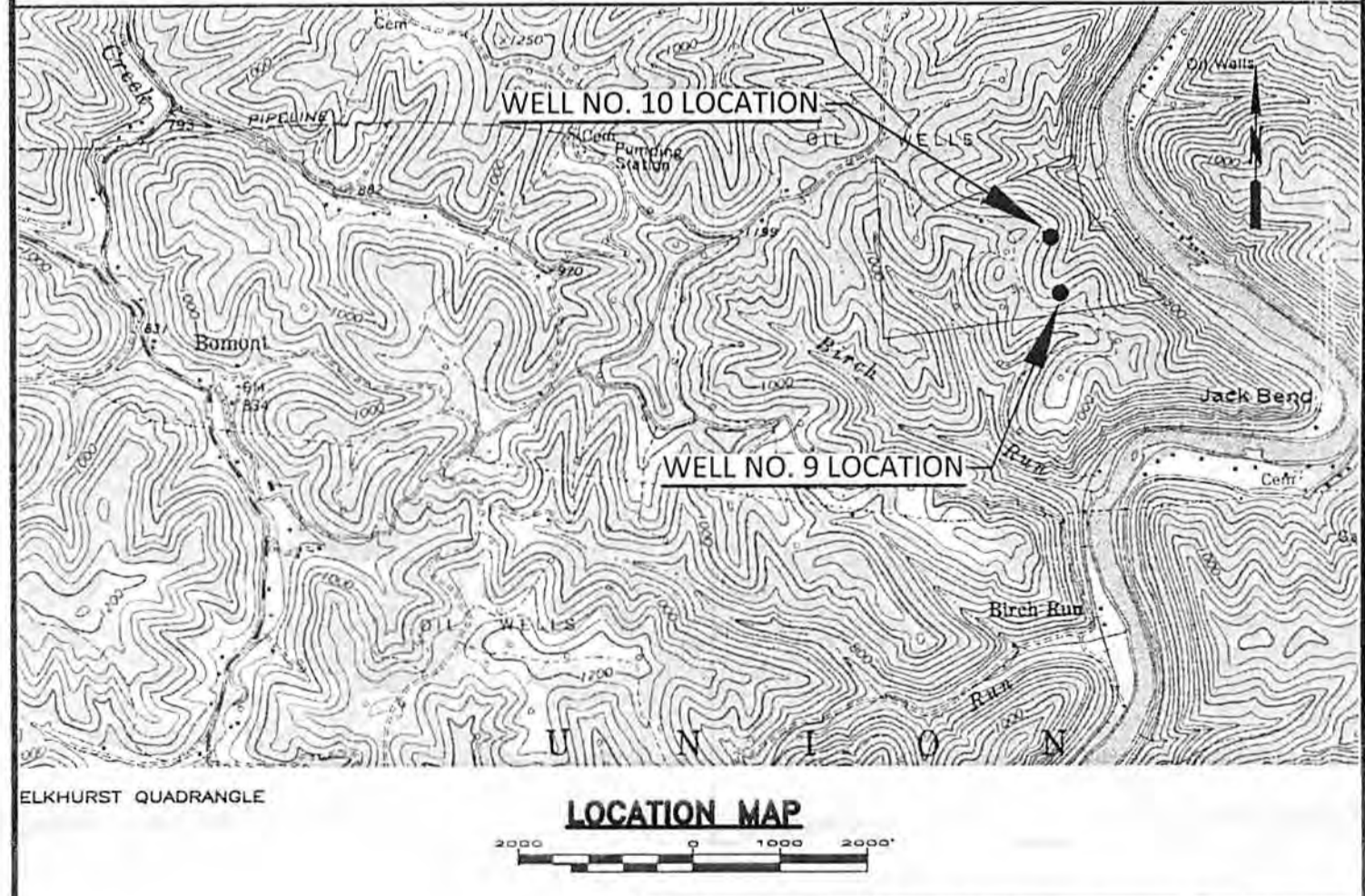
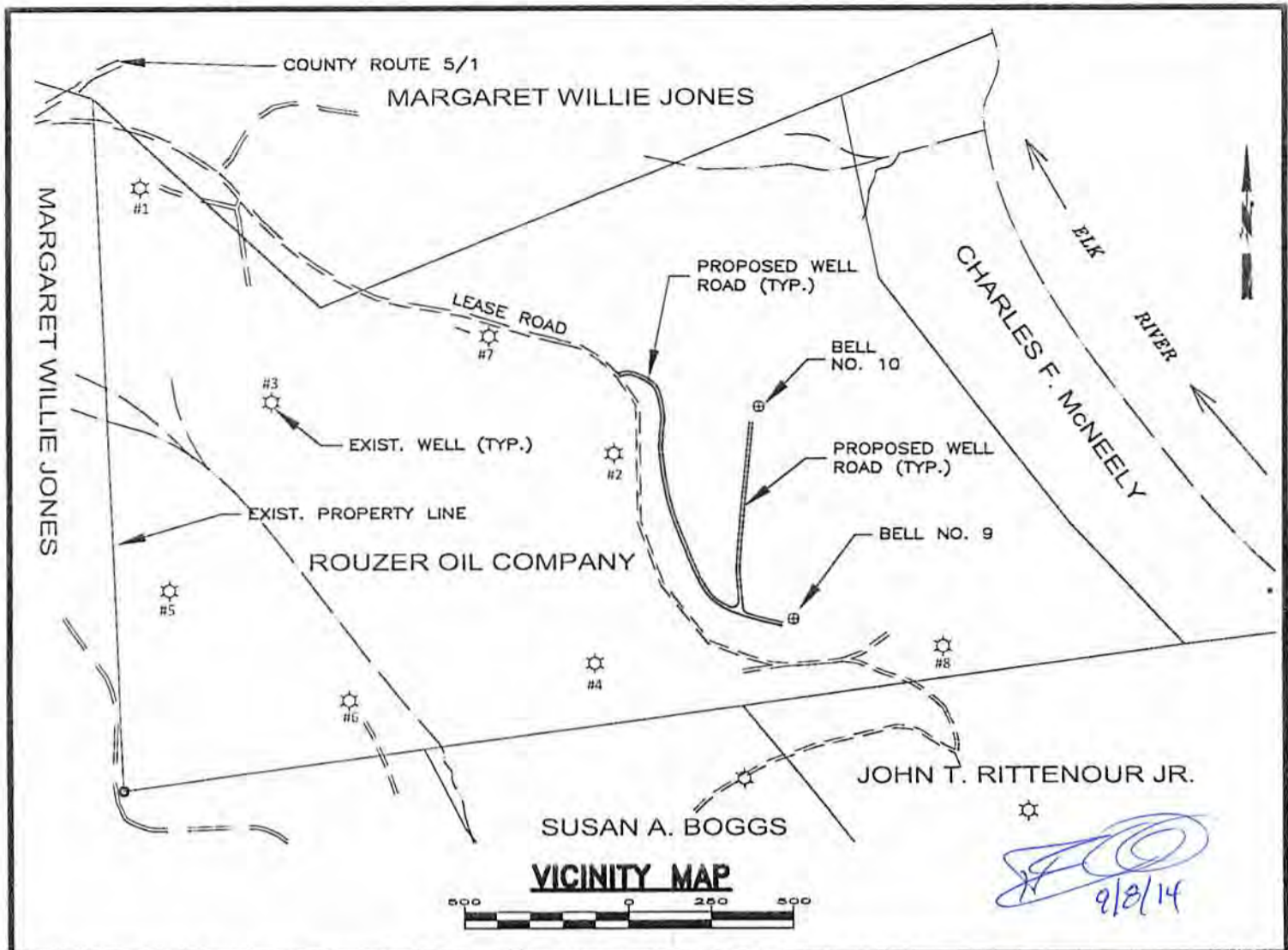
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments:
Temporary seed & mulch all slopes prior to rig move onto site.

Title: Inspector Date: 9/8/14

Field Reviewed? Yes No



BI BOYLES and HILDRETH, consulting engineers
spencer, 10/03/2014

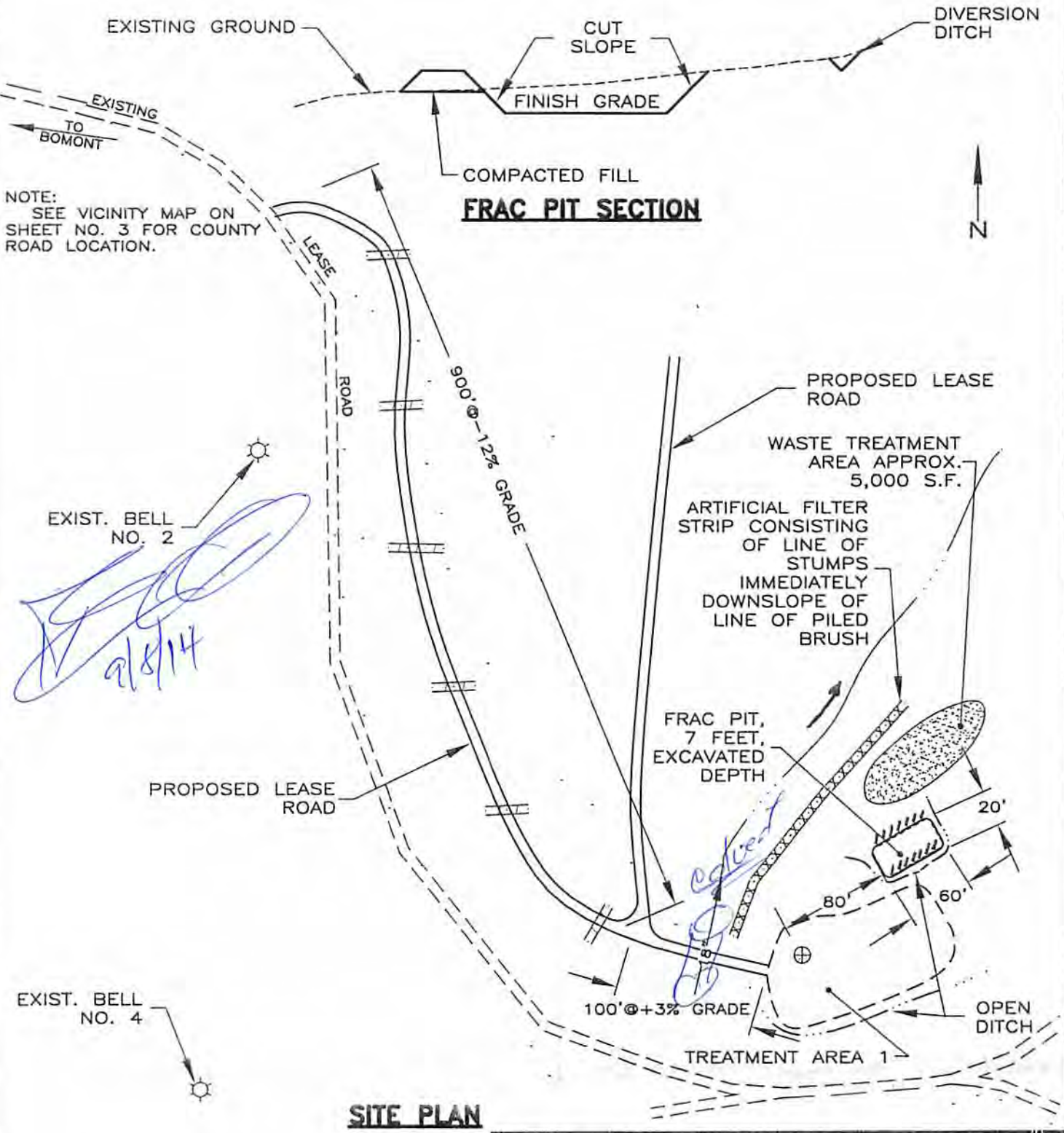
LOCATION MAP
BELL WELL NOS. 9 & 10
ROUZER OIL COMPANY
BOMONT, CLAY COUNTY, WEST VIRGINIA

SCALE: AS SHOWN	DATE: 7-07-2014	DWG NO.
BY: W.E.C.	COUNTY: CLAY	
DISTRICT: UNION	STATE: W.V.	
REVISED:		SHEET 3 OF 4

[Signature]
P.E.
REGISTRATION NO. 7719
6-28-13
(SEAL)
JAMES B. HILDRETH, C.E.
REGISTERED
No. 7719
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

LEGEND

- PROPERTY BOUNDARY
- X-X- EXISTING FENCE
- STREAM
- - - - - OPEN DITCH
- - - - - DIVERSION
- ==== ROAD
- ==== CROSS DRAIN
- ==== ARTIFICIAL FILTER STRIP
- ==== PROPOSED FENCE
- 15" → DRAIN CULVERT W/ SIZE WATERWAY
- ⊕ PROPOSED WELL
- ⊙ EXISTING WELL
- ⊙ UTILITY POLE
- ⊙ WATER WELL
- ▬ BUILDINGS
- ▨ PIT COMPACTED FILL WALLS
- ▨ PIT CUT WALLS
- ▨ PIT WASTE TREATMENT AREA



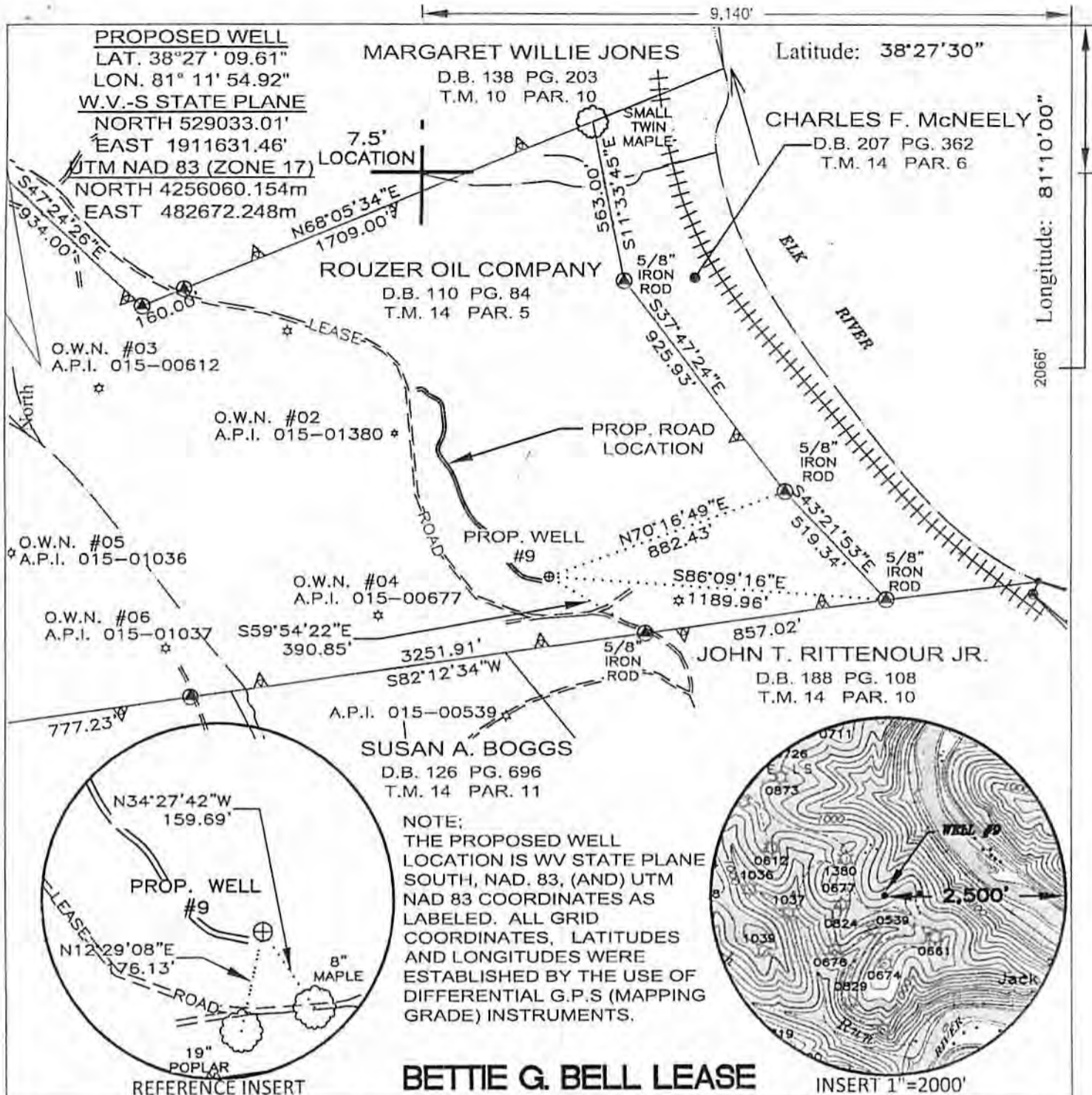
SITE PLAN

NOTE:
ALL WORK SHALL BE IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES. BRUSH SHALL BE PLACED AND USED FOR SEDIMENT PROTECTION. ALL SEDIMENT CONTROL TO BE IN PLACE AT ALL TIMES.

W.E.C. P.E.
REGISTRATION NO. 7719



BI BOYLES and HILDRETH, consulting engineers spencer,		10/03/2014
RECLAMATION PLAN BELL NO. 9 (015-0) ROUZER OIL COMPANY BOMONT, CLAY COUNTY, WEST VIRGINIA		
SCALE: NONE	DATE: 7/07/2014	DWG NO.
BY: W.E.C.	COUNTY: CLAY	
DISTRICT: UNION	STATE: W.V.	
REVISED: 9/5/2014		SHEET 4 OF 4



BETTIE G. BELL LEASE

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 ENVIRONMENTAL PROTECTION.

Signed:

[Handwritten Signature]



R.P.E.: 7719

L.L.S.: 1115

FILE #:
DRAWING #:
SCALE: 1"=500'
MINIMUM DEGREE OF ACCURACY: SUB METER
PROVEN SOURCE OF ELEVATION: WVDOT CORS

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: JULY 07 2014

OPERATOR'S WELL #: BELL NO. 9

API WELL #: 47 015 02902
STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: BIRCH RUN OF ELK RIVER ELEVATION: 1043'

COUNTY/DISTRICT: CLAY / UNION QUADRANGLE: ELKHURST

SURFACE OWNER: ROUZER OIL COMPANY ACREAGE: 145 ACRES

OIL & GAS ROYALTY OWNER: BETTIE G. BELL HEIRS ACREAGE: 16 ACRES

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY):

TARGET FORMATION: BIG INJUN ESTIMATED DEPTH: 2000

WELL OPERATOR ROUZER OIL COMPANY
Address P.O. BOX 987
City SPENCER State W.V. Zip Code 25276

DESIGNATED AGENT JAMES HILDRETH
Address P.O. BOX 614
City SPENCER State W.V. Zip Code 25276