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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

## PERMIT MODIFICATION APPROVAL

May 30, 2014

HILDRETH, ROY G & SON INC  
POST OFFICE BOX 96  
SPENCER, WV 25276

Re: Permit Modification Approval for API Number 3503019 , Well #: MCCARTY #24  
**MOVED LOCATION ON SAME LEASE**

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Gene Smith". Below the signature, the initials "GWS" are written in blue ink.

Gene Smith  
Regulatory/Compliance Manager  
Office of Oil and Gas

# REMODIFICATION

WW - 2B  
(Rev. 8/10)

API # 35-3019

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

1) Well Operator: Roy G. Hildreth & Son, Inc.

307492	Jackson	Ravenswood	Liverpool
Operator ID	County	District	Quadrangle

2) Operator's Well Number: C. S. MCCARTY #24      3) Elevation: 963 ✓

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

5) Proposed Target Formation(s): Berea Proposed Target Depth: 2650

6) Proposed Total Depth: 2800 Feet Formation at Proposed Total Depth: Berea

7) Approximate fresh water strata depths: 100' Pittsburg 710-850

8) Approximate salt water depths: 2050-2150 ✓

9) Approximate coal seam depths: None Reported

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 to berea. Stimulate W/x-link gel/sand or foam/sand. ✓

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	LS	36#	30	Pulled	<i>James</i>
Fresh Water	7"	LS	17#	950	950	CTS - 30%EXCESS
Coal						
Intermediate						
Production	4 1/2	J-55	10.5#	2780	2780	160 cu' <i>OK</i>
Tubing						RECEIVED
Liners						Office of Oil and Gas

5/19/2014

MAY 22 2014

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_

WV Department of  
Environmental Protection

06/06/2014

REMODIFICATION

WW-2A  
(Rev. 6-07)

1.) Date: 5/15/14  
2.) Operator's Well Number C. S. McCarty # 24  
State 47 County 035 Permit 3019  
3.) API Well No.:

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 KATHRYN SUE MOORE  
Address 2139 DUTCH RIDGE ROAD  
PARKERSBURG, WV 26104  
(b) Name PHYLLIS ANN SPURLOCK  
Address 1412 MAXWELL HILL ROAD  
BECKLEY, WV 25801  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector JAMIE STEVENS  
Address HC 62 BOX 1-C  
KENNA, WV 25248  
Telephone 304-206-7775  
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**

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

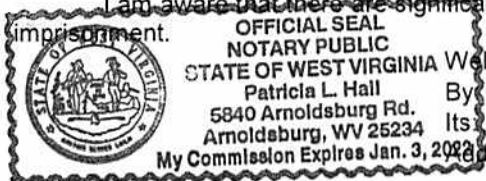
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties by:

- 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  
By Patricia L. Hall  
5840 Arnoldsburg Rd.  
Arnoldsburg, WV 25234  
My Commission Expires Jan. 3, 2022

Roy G. Hildreth & Son, Inc.  
Jon R. Hildreth  
JON R. HILDRETH, SECRETARY  
Po Box 1007  
Spencer, WV 25276  
304-927-2130

Subscribed and sworn before me this 15th day of May, 2014

Patricia L. Hall Notary Public  
My Commission Expires January 3, 2022

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)

06/06/2014

# "REMODIFICATION"

WW-2A Surface Waiver

## SURFACE OWNER WAIVER

County Jackson

Operator  
Operator well number

Roy G. Hildreth & Son, Inc.  
C. S. McCarty #24 35-3019

### 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

Kathryn Sue Moore  
Signature

Date 5.21.14

Company  
Name  
By  
Its

FOR EXECUTION BY A CORPORATION, ETC.

**RECEIVED**  
Office of Oil and Gas  
MAY 22 2014

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

Print Name

# " REMODIFICATION "

WW-2A Surface Waiver

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Operator well number

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C. S. McCarty #24 35-3019

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FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Phyllis B. Spucklock Date 5-26-14  
Signature

Phyllis B. Spucklock  
Print Name

Company Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_ Date \_\_\_\_\_

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

RECEIVED  
Office of Oil and Gas

MAY 22 2014

WV Department of  
Environmental Protection  
06/06/2014

" **REMODIFICATION** "

WW-2A Surface Waiver

**SURFACE OWNER WAIVER**

County Jackson

Operator \_\_\_\_\_  
Operator well number \_\_\_\_\_

Roy G. Hildreth & Son, Inc.  
C. S. McCarty #24

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FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

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

\_\_\_\_\_  
Company Name  
By \_\_\_\_\_  
Its \_\_\_\_\_ Date \_\_\_\_\_

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

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

**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
East West Resources Inc.	Krakrow, Inc.	WI	247/903
Daniel and Richard Moore, d/b/a Summit Energy		RI 1/8	LB 18/99
Krakrow, Inc.	Roy G. Hildreth & Son, Inc.		Agreement Attached

**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:

Roy G. Hildreth & Son, Inc.



SECRETARY

06/06/2014  
Remond

WW-2B1  
(5-12)

Well No. C. S. McCarty #24

*REMODIFICATION*

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.

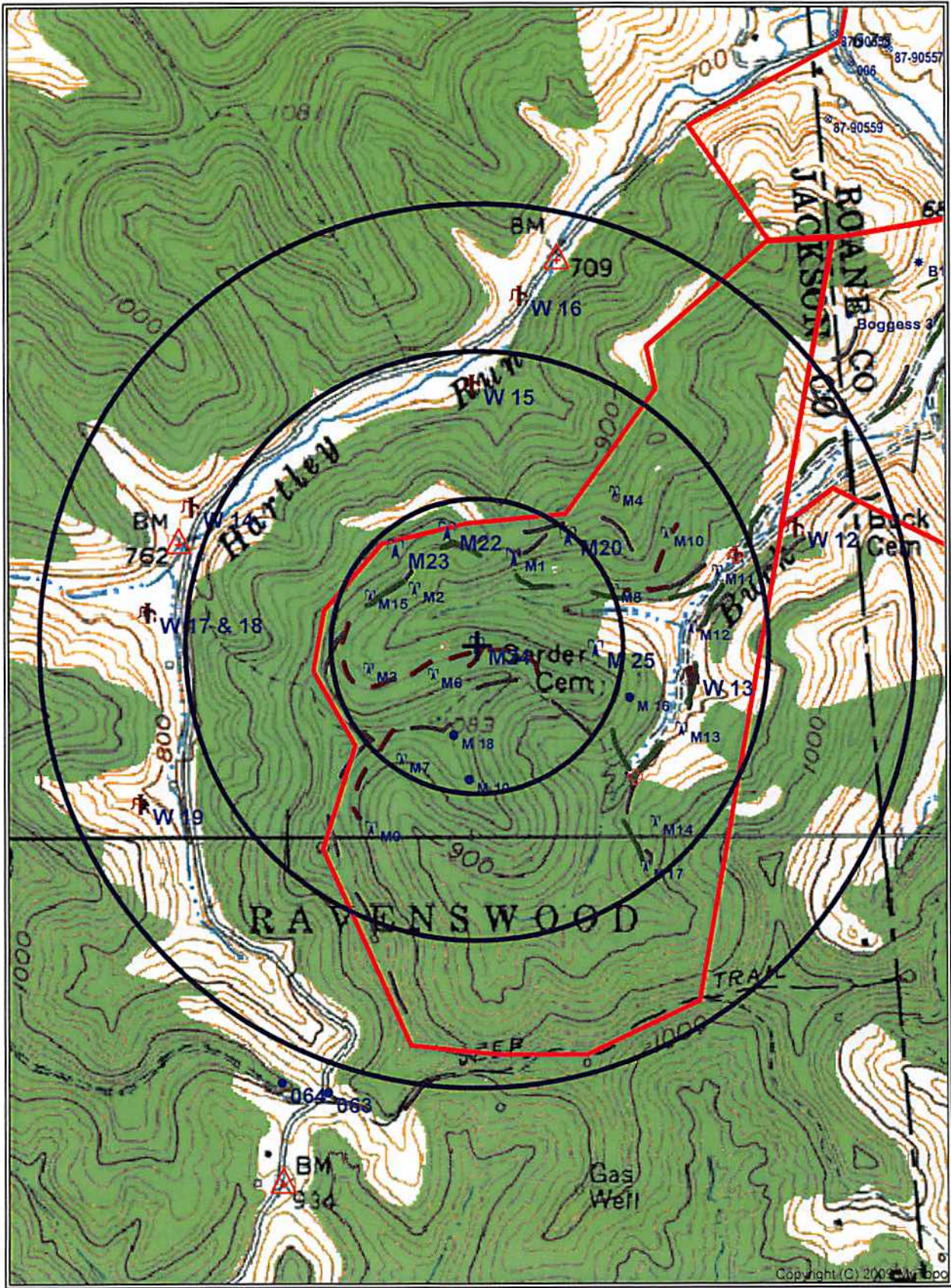
Certified Laboratory Name REIC Laboratory Po Box 286, Beaver, WV 25813  
Sampling Contractor Roy G. Hildreth & Son, Inc.

Well Operator Roy G. Hildreth & Son, Inc.  
Address Po Box 1007  
Spencer, WV 25276  
Telephone 304-927-2130

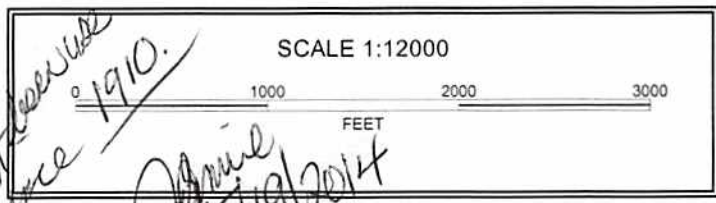
FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. 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 are no water wells to test!*





This is  
 old well  
 not potable  
 near average  
 in well  
 near to house  
 since 1910.



REMODIFICATION

06/06/2014

4703503019

3503016

AGREEMENT

THIS AGREEMENT made this 1st day of June, 2007, by and between Krakrow, Inc., a West Virginia Corporation, as Lessor and Roy G. Hildreth & Son, Inc., a West Virginia Corporation, as Lessee, in which the Krakrow, Inc. hereby states that they are giving Roy G. Hildreth & Son, Inc. right to drill and operate on their said C. S. McCarty Lease, 235 Acres, on the waters of Buck Run, Ravenswood District, Jackson County, West Virginia.

WITNESS the following signatures and seals:

Krakrow, Inc.

By: [Signature]  
Jon R. Hildreth, President

Roy G. Hildreth and Son, Inc.

By: [Signature]  
Roy G. Hildreth, President

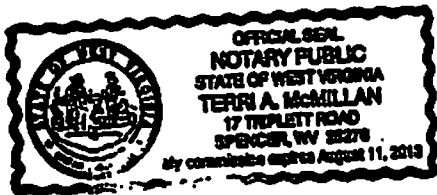
STATE OF WEST VIRGINIA,  
COUNTY OF ROANE, to-wit:

I, TERRI A. McMILLAN, a notary public within and for said county and state aforesaid, do hereby certify that Jon R. Hildreth, whose name is signed to the foregoing writing, bearing the 1st day of June, 2007, on behalf of Krakrow, Inc, as its President has this day, in my said county, before me, acknowledged said writing.

Given under my hand this 1st day of June, 2007.

My commission expires: August 11, 2013

Received  
Office of Oil & Gas



[Signature]  
NOTARY PUBLIC

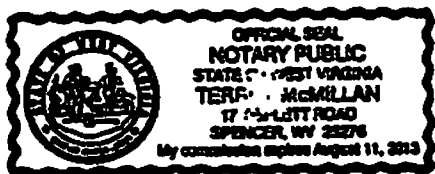
STATE OF WEST VIRGINIA,  
COUNTY OF ROANE, to-wit:

I, TERRI A. McMILLAN, a notary public within and for said county and state aforesaid, do hereby certify that Roy G. Hildreth, whose name is signed to the foregoing writing, bearing the 1st day of June, 2007, on behalf of Roy G. Hildreth and Son, Inc., as its President has this day, in my said county, before me, acknowledged said writing to be the act and deed of said corporation.

Given under my hand this 1st day of June, 2007.

My commission expires: August 11, 2013

Received



[Signature]  
NOTARY PUBLIC

APR - 7 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

06/06/2014

[Signature]

REMODIFICATION

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 -035 - 3019  
Operator's Well No. C. S. McCarty # 24

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Roy G. Hildreth & Son, Inc OP Code \_\_\_\_\_

Watershed (HUC 10) Buck Run of Right Fork Sandy Creek Quadrangle Liverpool

Elevation 963 County Jackson District Ravenswood

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: Gell Water, Drill Cuttings, Freshwater

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 \_\_\_\_\_ )
- 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. Freshwater

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

Additives to be used in drilling medium? Clay Sta, KCL, Soap

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) Dirt

-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.

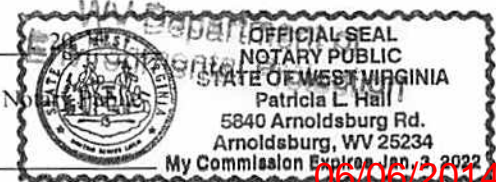
Company Official Signature *Jon R. Hildreth*  
Company Official (Typed Name) JON R. HILDRETH, SECRETARY  
Company Official Title Roy G. Hildreth & Son, Inc.

RECEIVED  
Office of Oil and Gas  
MAY 28 2014

Subscribed and sworn before me this 15th day of May

*Patricia L. Hall*

My commission expires January 3, 2022



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) 0.25 lbs/acre (500 lbs minimum)

Mulch Hay 2 Tons/acre

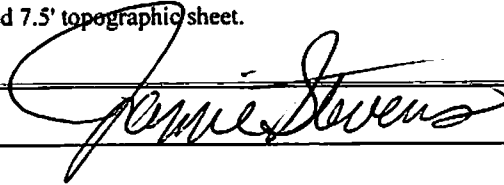
Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Orchard Grass	25	Ladino Clover	5
Red Top Clover	15	Ky 31	40
Annual RHY	15	Annual Rhy	15

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

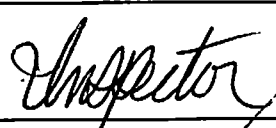
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

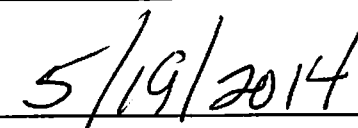


Comments: \_\_\_\_\_

Title: \_\_\_\_\_



Date: \_\_\_\_\_



Field Reviewed?

Yes

No

**NOTE:**

Any Trees 6" or larger in Diameter will be cut and piled. Brush will be used as Sediment Barriers. Temporary seed and mulch all slopes upon construction. Stone over all Culverts and entrance off existing roadway.

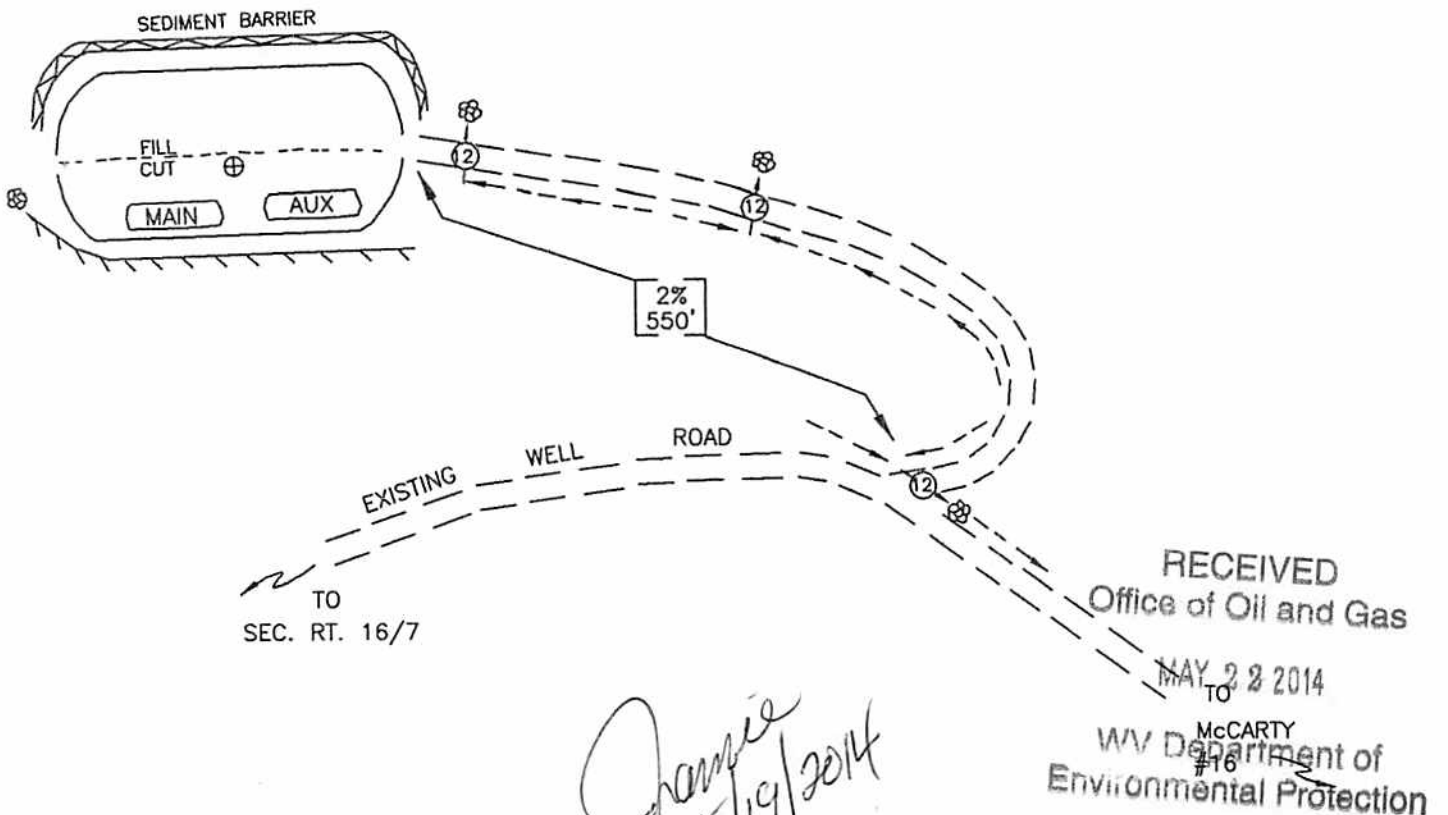
McCARTY  
#24

REMODIFICATION

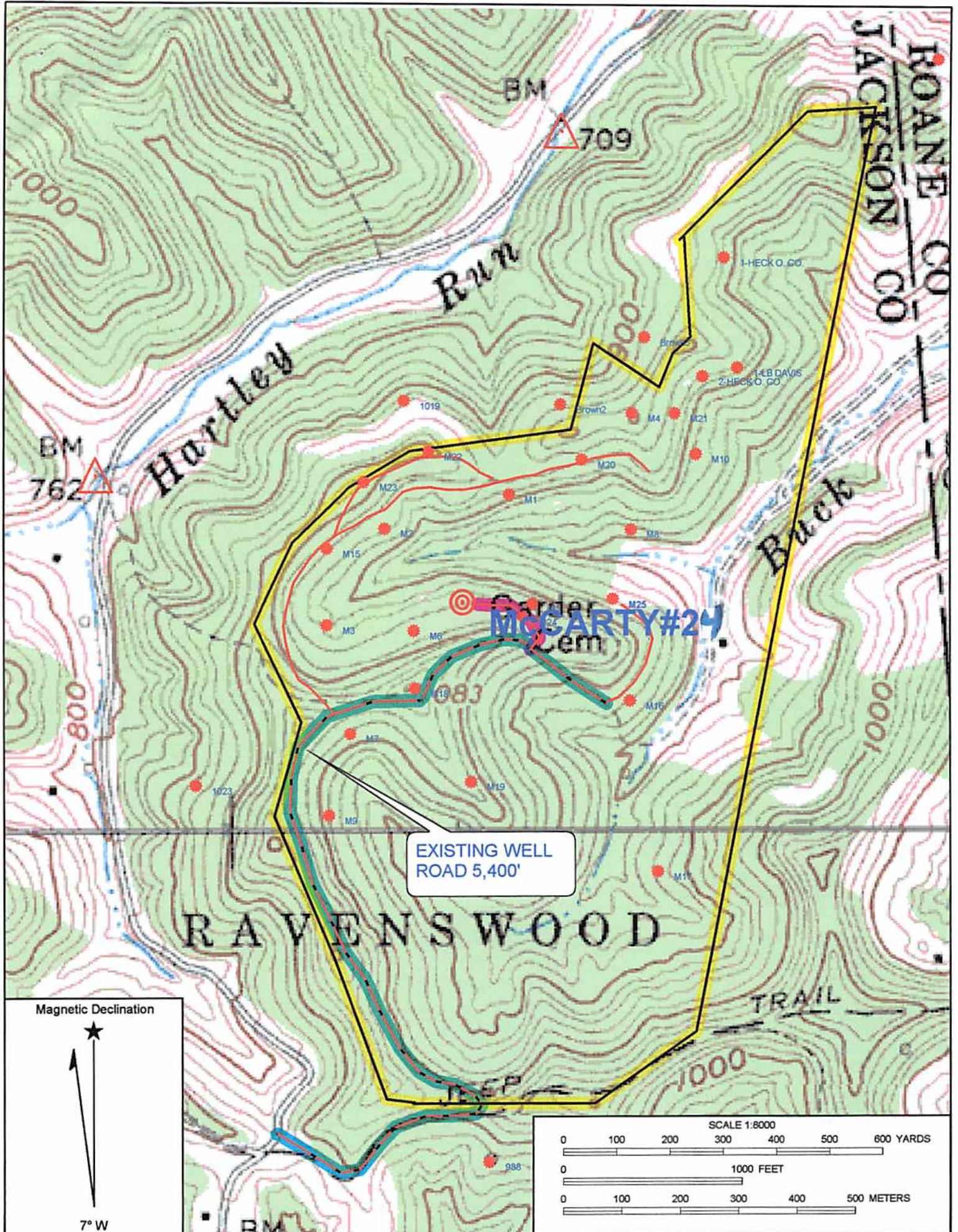


**NOTE:**

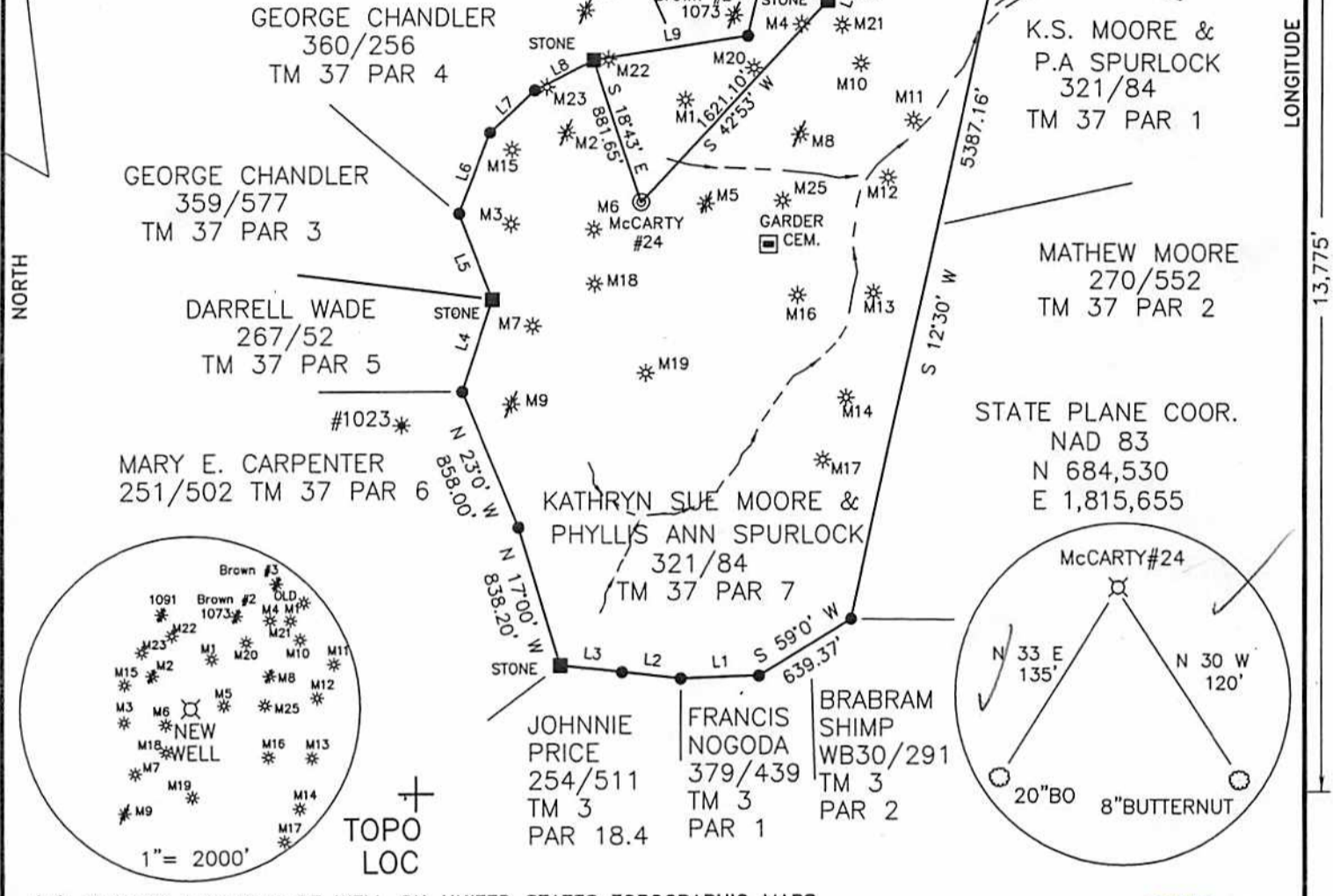
PIT SIZE: 25'X80' ±  
LOCATION SIZE: 100'X200' ±



06/06/2014



LINE	BEARING	DISTANCE
L1	S 88°00'00" W	464.76'
L2	N 83°45'00" W	348.56'
L3	N 84°00'00" W	369.19'
L4	N 18°00'00" E	570.90'
L5	N 26°00'00" W	534.60'
L6	N 21°00'00" E	511.50'
L7	N 48°00'00" E	346.50'
L8	N 61°00'00" E	399.30'
L9	N 81°00'00" E	999.90'
L10	N 13°00'00" E	495.00'
L11	S 53°00'00" E	464.08'
L12	N 26°30'00" E	174.90'
L13	N 47°00'00" E	143.05'
L14	NORTH	582.95'
L15	N 38°30'00" E	181.5'
L16	N 53°00'00" E	313.50'
L17	N 47°00'00" E	594.00'
L18	N 82°30'00" E	343.20'



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 14-28  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION GPS

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 ENERGY.  
 (SIGNED) *[Signature]*  
 R.P.E. \_\_\_\_\_ L.L.S. 851



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE 5/15, 2014  
 OPERATOR'S WELL NO. McCARTY#24  
 API WELL NO. 47-035-03019M  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 963 WATER SHED \_\_\_\_\_ BUCK RUN OF RIGHT FORK OF SANDY CREEK  
 DISTRICT RAVENSWOOD COUNTY JACKSON  
 QUADRANGLE LIVERPOOL

SURFACE OWNER KATHRYN SUE MOORE & PHYLLIS ANN SPURLOCK ACREAGE 235  
 OIL & GAS ROYALTY OWNER KATHRYN SUE MOORE, PHYLLIS ANN SPURLOCK & OTHERS LEASE ACREAGE 235  
 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 BEREA ESTIMATED DEPTH 2850

WELL OPERATOR ROY G. HILDRETH & SON DESIGNATED AGENT ROY G. HILDRETH JR.  
 ADDRESS PO BOX 1007 ADDRESS PO BOX 1007  
 SPENCER, WV 25276 SPENCER, WV 25276

RECEIVED  
 Office of Oil and Gas  
 06/06/2014  
 MAY 22 2014  
 WV Department of Environmental Protection

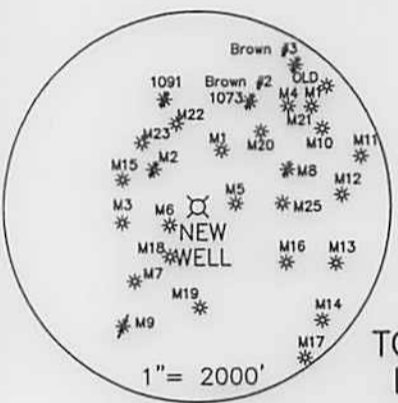
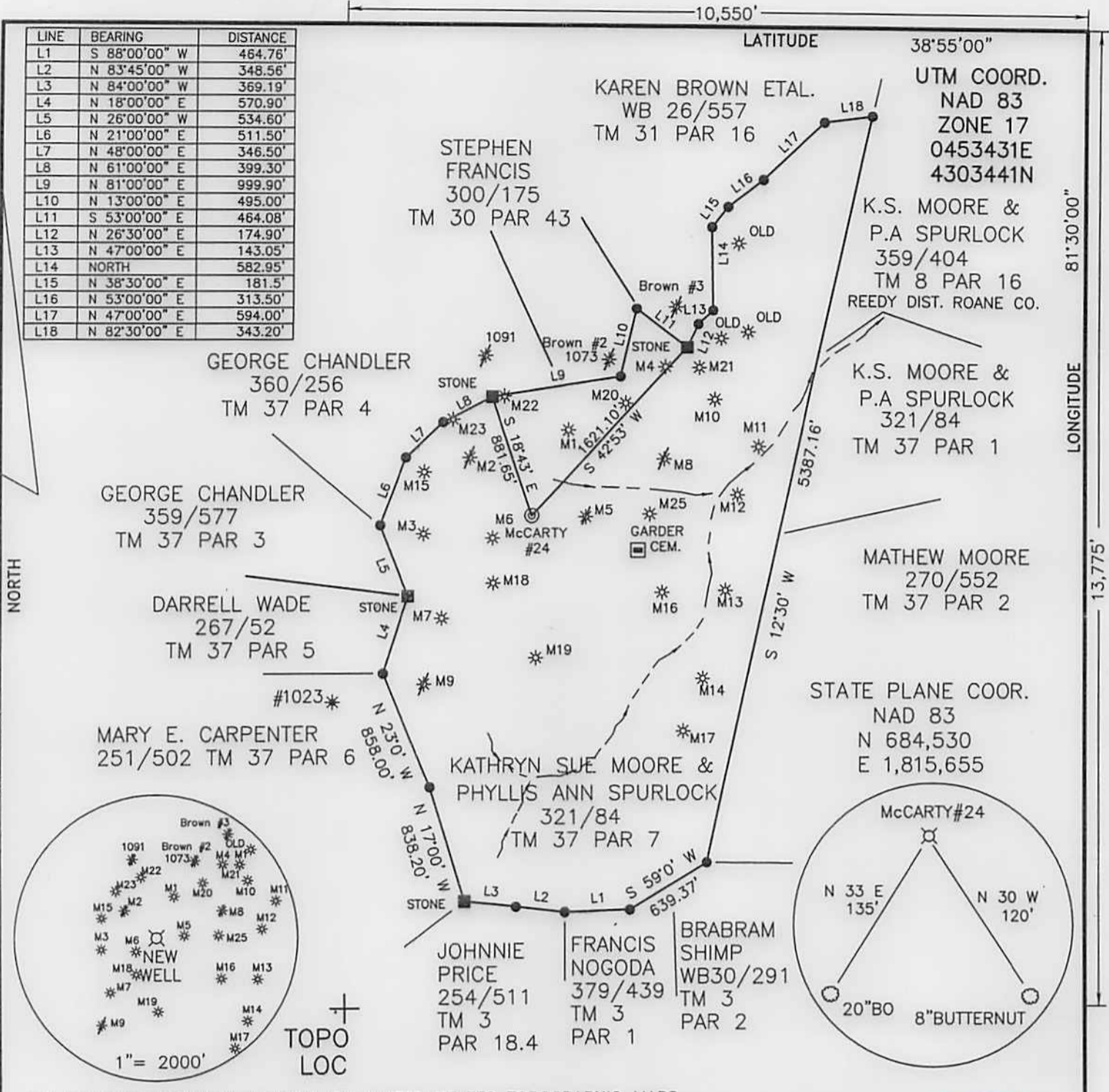
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L17	N 47°00'00" E	594.00'
L18	N 82°30'00" E	343.20'

10,550' LATITUDE 38°55'00" UTM COORD. NAD 83 ZONE 17 0453431E 4303441N

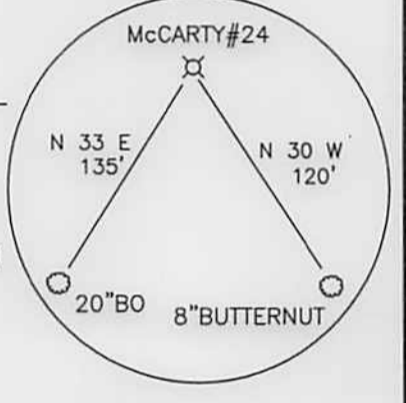
NORTH

81°30'00" LONGITUDE

13,775'



TOPO LOC



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 14-28  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
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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 ENERGY.  
 (SIGNED) \_\_\_\_\_  
 R.P.E.: \_\_\_\_\_ L.L.S.: 851



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE 5/15, 2014  
 OPERATOR'S WELL NO. McCARTY#24  
 API WELL NO. 47-035-03019M  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 963 WATER SHED BUCK RUN OF RIGHT FORK OF SANDY CREEK  
 DISTRICT RAVENSWOOD COUNTY JACKSON  
 QUADRANGLE LIVERPOOL

SURFACE OWNER KATHARYN SUE MOORE & PHYLLIS ANN SPURLOCK ACREAGE 235  
 OIL & GAS ROYALTY OWNER KATHARYN SUE MOORE, PHYLLIS ANN SPURLOCK & OTHERS LEASE ACREAGE 235  
 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 BEREA ESTIMATED DEPTH 2850  
 WELL OPERATOR ROY G. HILDRETH & SON DESIGNATED AGENT ROY G. HILDRETH JR.  
 ADDRESS PO BOX 1007 ADDRESS PO BOX 1007  
 SPENCER, WV 25276 SPENCER, WV 25276

06/06/2014





**ROY G. HILDRETH AND SON, INC.**  
**OIL & GAS OFFICE**  
**LAND DEPARTMENT**

758 Arnoldsburg Road • P.O. Box 1007 • Spencer, WV 25276  
Phone: (304) 927-2130 • Fax: (304) 927-5933  
[www.roygildrethandsoninc.com](http://www.roygildrethandsoninc.com) • [pattv@roygildrethandsoninc.com](mailto:pattv@roygildrethandsoninc.com)



**Kathryn Sue Moore**  
**2139 Dutch Ridge Road**  
**Parkersburg, WV 26104**

May 19, 2014

Re: C. S. McCarty #24 Remodification

Dear Ms. Moore:

Please find enclosed a copy of our "Remodification to Notice to Landowner", a copy of our "Remodification to Notice and Application for a Well Work Permit", along with other information regarding the well. The only change really is the location.

Please contact me if you have any questions and/or concerns.

Sincerely,

**Jon R. Hildreth**  
**Vice-President**

**JRH:plh**  
**Enclosures**

06/06/2014



**ROY G. HILDRETH AND SON, INC.**  
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**Phyllis Ann Spurlock**  
**1412 Maxwell Hill Road**  
**Beckley, WV 25801**

May 19, 2014

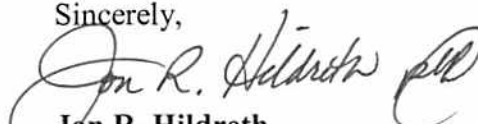
Re: C. S. McCarty #24 Remodification

Dear Ms. Spurlock:

Please find enclosed a copy of our “Remodification to Notice to Landowner”, a copy of our “Remodification to Notice and Application for a Well Work Permit”, along with other information regarding the well. The only change really is the location.

Please sign the “Surface Owner Waiver” form enclosed and return it to our office in the self-addressed, postage paid, return envelope, also enclosed for your convenience. All other forms are for your records. Please contact me if you have any questions and/or concerns.

Sincerely,

  
**Jon R. Hildreth**  
**Vice-President**

**JRH:plh**  
**Enclosures**  
**Certified Mail No. – 7009-0820-0000-6448-6105**

06/06/2014



**ROY G. HILDRETH AND SON, INC.**  
**OIL & GAS OFFICE**  
**LAND DEPARTMENT**

758 Arnoldsburg Road • P.O. Box 1007 • Spencer, WV 25276  
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[www.royghildrethandsoninc.com](http://www.royghildrethandsoninc.com) • [patty@royghildrethandsoninc.com](mailto:patty@royghildrethandsoninc.com)



STATE OF WEST VIRGINIA  
DIV OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
601 57<sup>TH</sup> STREET  
CHARLESTON, WV 25304

May 19, 2014

Re: Remodification Well Work Permits  
C. S. McCarty #24

Attn: Kay Holtsclaw

Dear Ms. Holtsclaw:

Please find enclosed our "Remodification to the Notice and Application for a Well Work Permit" for C. S. McCarty #24 (API #035-03019). We had to move the location. If you have any questions, please contact me at the above number.

Sincerely,

**Roy G. Hildreth**  
**President/Agent**

**RGH:plh**  
**Enclosures**

Cert Mail No. ~~7009-0820-0000-6448-6112~~

*hand delivered*

RECEIVED  
Office of Oil and Gas

MAY 22 2014

WV Department of  
Environmental Protection

06/06/2014