



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 23, 2014

WELL WORK PERMIT

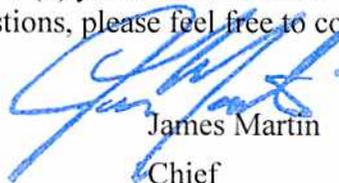
Vertical Well

This permit, API Well Number: 47-3503020, issued to HILDRETH, ROY G & SON 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: MCCARTY #25
Farm Name: VALENTINE, BURL H. & KATHLE
API Well Number: 47-3503020
Permit Type: Vertical Well
Date Issued: 04/23/2014

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. 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.

WW - 2B
(Rev. 8/10)

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

35 02 439

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 #25 3) Elevation: 865

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

5) Proposed Target Formation(s): Berea Proposed Target Depth: 2520
 6) Proposed Total Depth: 2700 Feet Formation at Proposed Total Depth: Berea
 7) Approximate fresh water strata depths: 100' Pittsburg 600-740
 8) Approximate salt water depths: 1935-2035

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	
Fresh Water	7"	LS	17#	850	850	CTS+ 30%EXCESS
Coal						
Intermediate						
Production	4 1/2	J-55	10.5#	2650	2650	160 cu'
Tubing						
Liners						

CTS
Jamie Stevens
4/1/2014

Received

APR -7 2014

Packers: Kind: _____
 Sizes: _____
 Depths Set _____

WW-2A
(Rev. 6-07)

1.) Date: 3-31-2014
2.) Operator's Well Number C. S. MCCARTY #25
State 47- County 035 Permit -
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 VALENTINE FAMILY TRUST ✓
Address KATHRYN SUE MOORE, TRUSTEE
2139 DUTCH RIDGE ROAD
(b) Name PARKERSBURG, WV 26104
Address _____
(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)

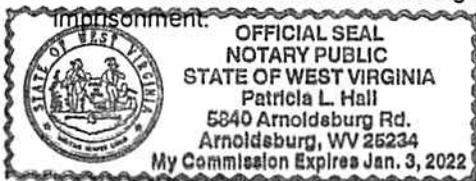
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- 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 Roy G. Hildreth & Son, Inc.
By: *Roy G. Hildreth*
Its: ROY G. HILDRETH, PRESIDENT
Address Po Box 1007
Spencer, WV 25276
Telephone 304-927-2130

Subscribed and sworn before me this 31st day of March, 2014

Patricia L. Hall Notary Public **Received**

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
APR - 7 2014
WV Dept. of Environmental Protection

4703503020

7009 0820 0000 6454 3372

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage		
Certified Fee		
Return Receipt Fee (Endorsement Required)	APR 03 2014	Postmark Here
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 8.03	USPS

Sent To
 Kathryn Sue Moore Trustee
 Street, Apt. No.,
 or PO Box No. 2139 Dutch Ridge Rd.
 City, State, ZIP+4
 Parkersburg WV 26104

PS Form 3800, August 2006 See Reverse for Instructions

Received

APR - 7 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



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.royghildrethandsoninc.com • patty@royghildrethandsoninc.com



Valentine Family Trust
Kathryn Sue Moore, Trustee
2139 Dutch Ridge Road
Parkersburg, WV 26104

April 3, 2014

Re: Surface Owner Notification
 C. S. McCarty #24 and #25

Dear Mrs. Moore:

Roy G. Hildreth and Son, Inc is the active operator of an oil and gas lease in which records show that you are the current surface owner. We are applying for two New Well Drilling Permits with the West Virginia Department of Environmental Protection, Office of Oil and Gas. We plan to name the wells C. S. McCarty #24 and #25. As the surface owner of land located on Map 37 Parcel 7 in Ravenswood District, Jackson County we are required to notify you concerning our proposed well work.

Please find enclosed your copy of the permit applications. It describes the work that will be performed on the wells including the construction and reclamation plans. Please read over the "Surface Owner Waiver" forms enclosed which instructs you of your rights concerning our permit applications. After reviewing all of the enclosed documentation and have no objection and are in agreement with our plans, please sign the "Surface Owner Waiver" and return it in the enclosed, self-addressed, postage paid envelope. All other forms are for your records. If you have any questions, please contact us by the contact information above.

Should you no longer be the surface owner of this property, please notify our Land Department at 304-927-2130 so that the correct person or persons can be notified. Thank you for your time and consideration in this matter.

Sincerely,

Roy G. Hildreth
 Roy G. Hildreth
 President

plh
 Received

APR - 7 2014

RGH:plh
 Enclosures

Cert. Mail No. 7009 0820 0000 6454 3372

Office of Oil and Gas
 WV Dept. of Environmental Protection

WW-2A1
(Rev. 1/11)

Operator's Well Number C. S. MCCARTY #25

**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:

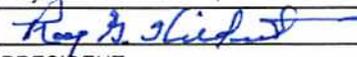
- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator



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.


PRESIDENT

Received

APR - 7 2014

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

WW-2B1
(5-12)

Well No. C. S. McCarty #25

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.

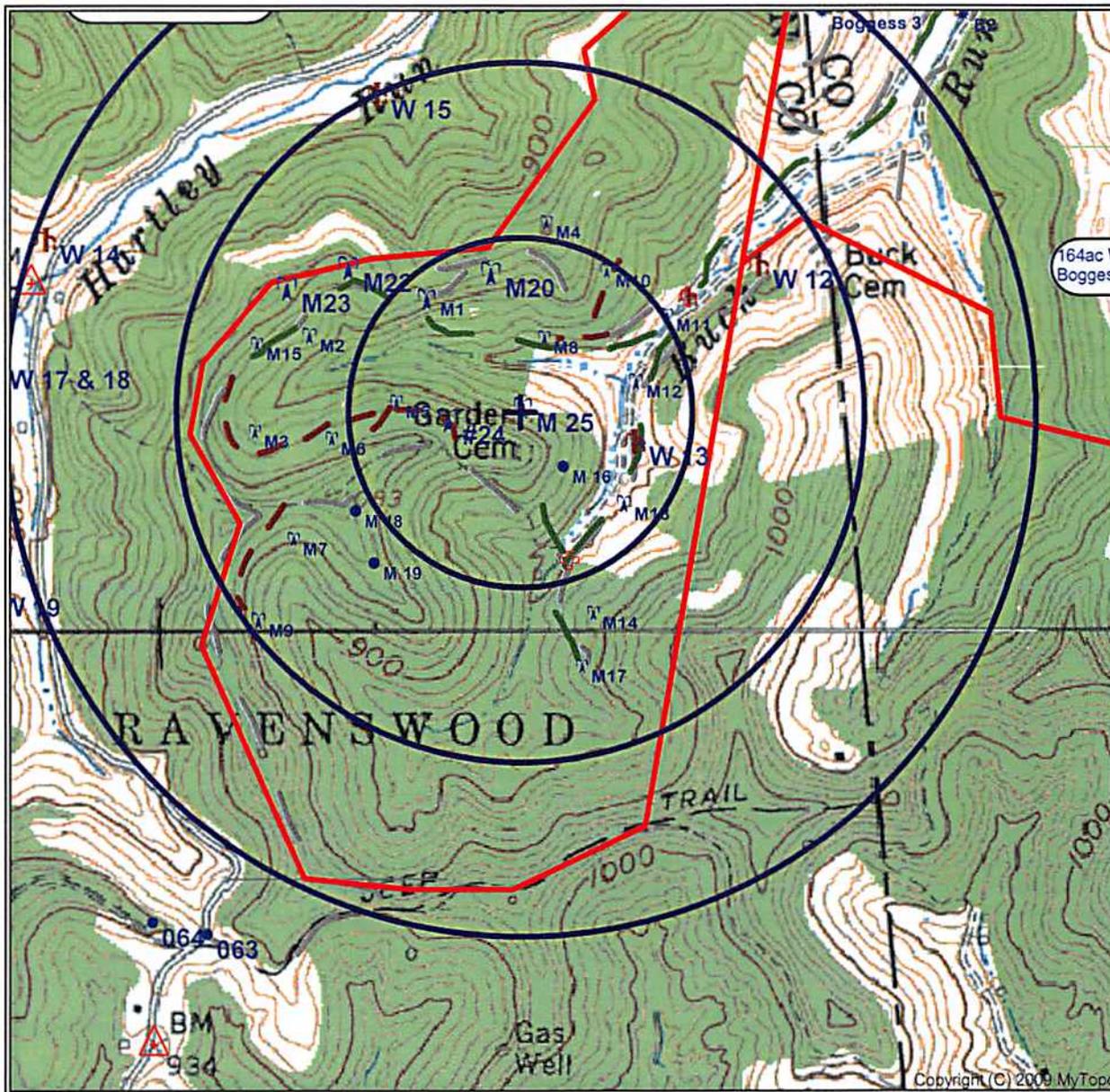
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APR - 7 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

not testing

*CSM
4/1/2014*

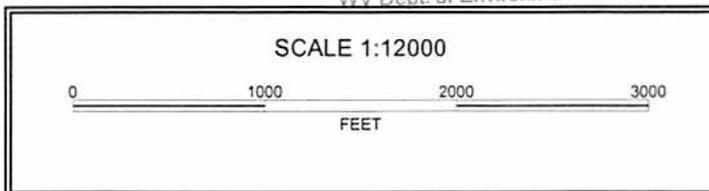


Received

Jonie 4/1/2014

APR - 7 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



*Old dug well
No houses
old deer carcass
in well
not potable*

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 865 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 Roy G. Hildreth

Company Official (Typed Name) ROY G. HILDRETH, PRESIDENT

Company Official Title Roy G. Hildreth & Son, Inc.

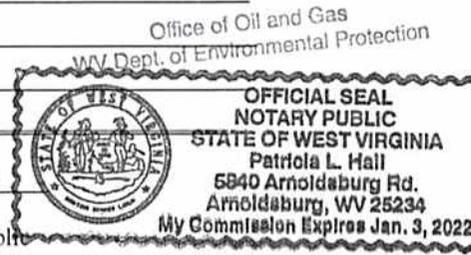
Subscribed and sworn before me this 31st day of March, 20 14

Patricia L. Hall

Notary Public

My commission expires January 3, 2022

Received
APR - 7 2014



Form WW-9

Operator's Well No. C. S. McCarty #25

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: *Jamie Stevens*

Comments: *Keep existing Road good!*

Title: *Inspector*

Date: *4/1/2014*

Received

Field Reviewed? Yes No

APR - 7 2014

NOTE:

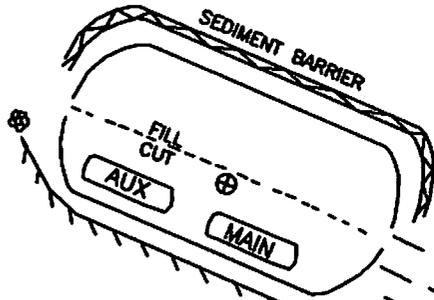
Any Trees 6" or larger in Diameter will be cut and piled. Brush will be used as Sediment Barriers. Temporary seed and mulch all slopes upon construction. Stone over all Culverts and entrance off existing roadway.

McCARTY #25



NOTE:

PIT SIZE: 25'X80' +/-
LOCATION SIZE: 100'X200' +/-



TO
SEC. RT. 16/7

2%
800'

EXISTING
WELL ROAD

Received

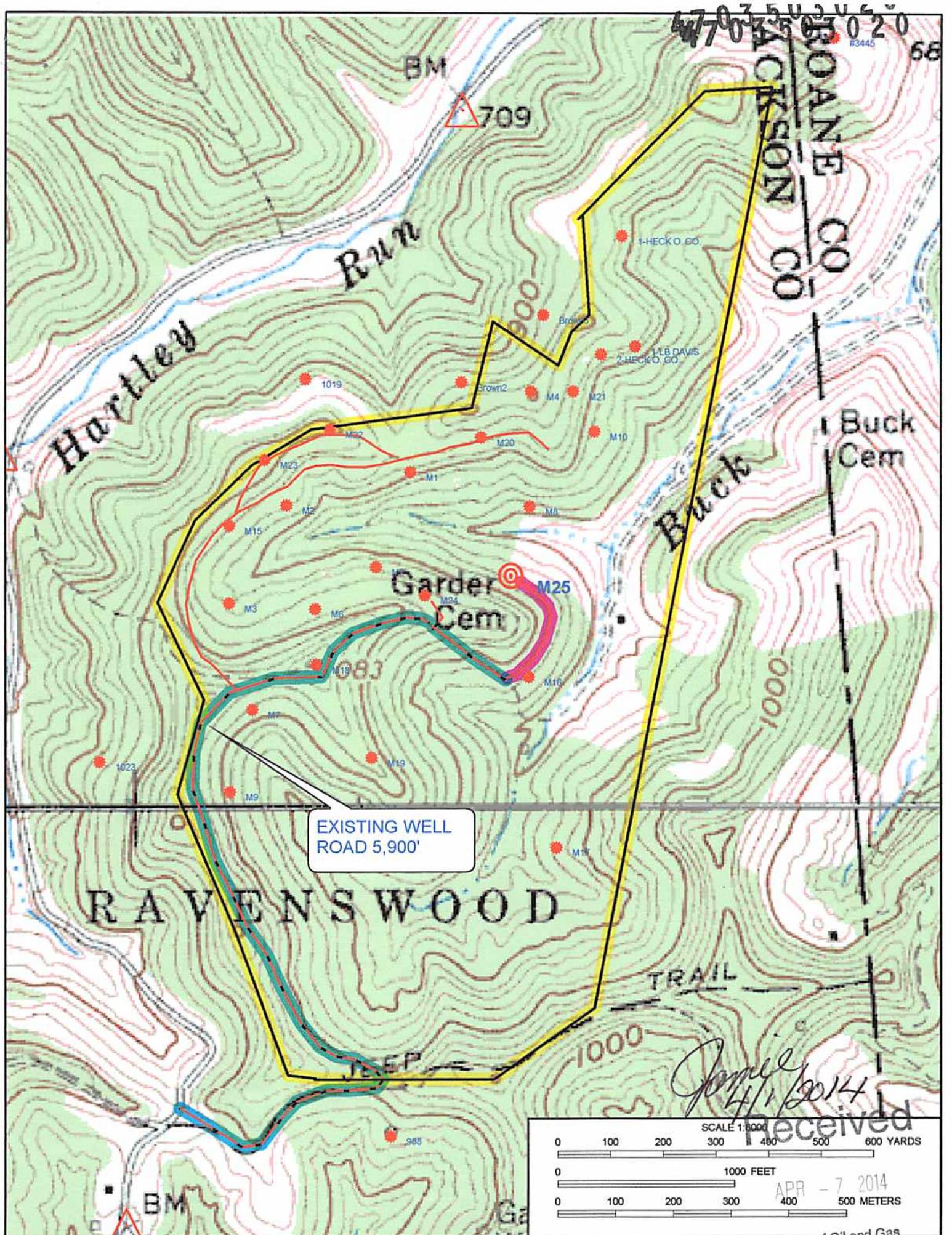
APR - 7 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

McCARTY #16

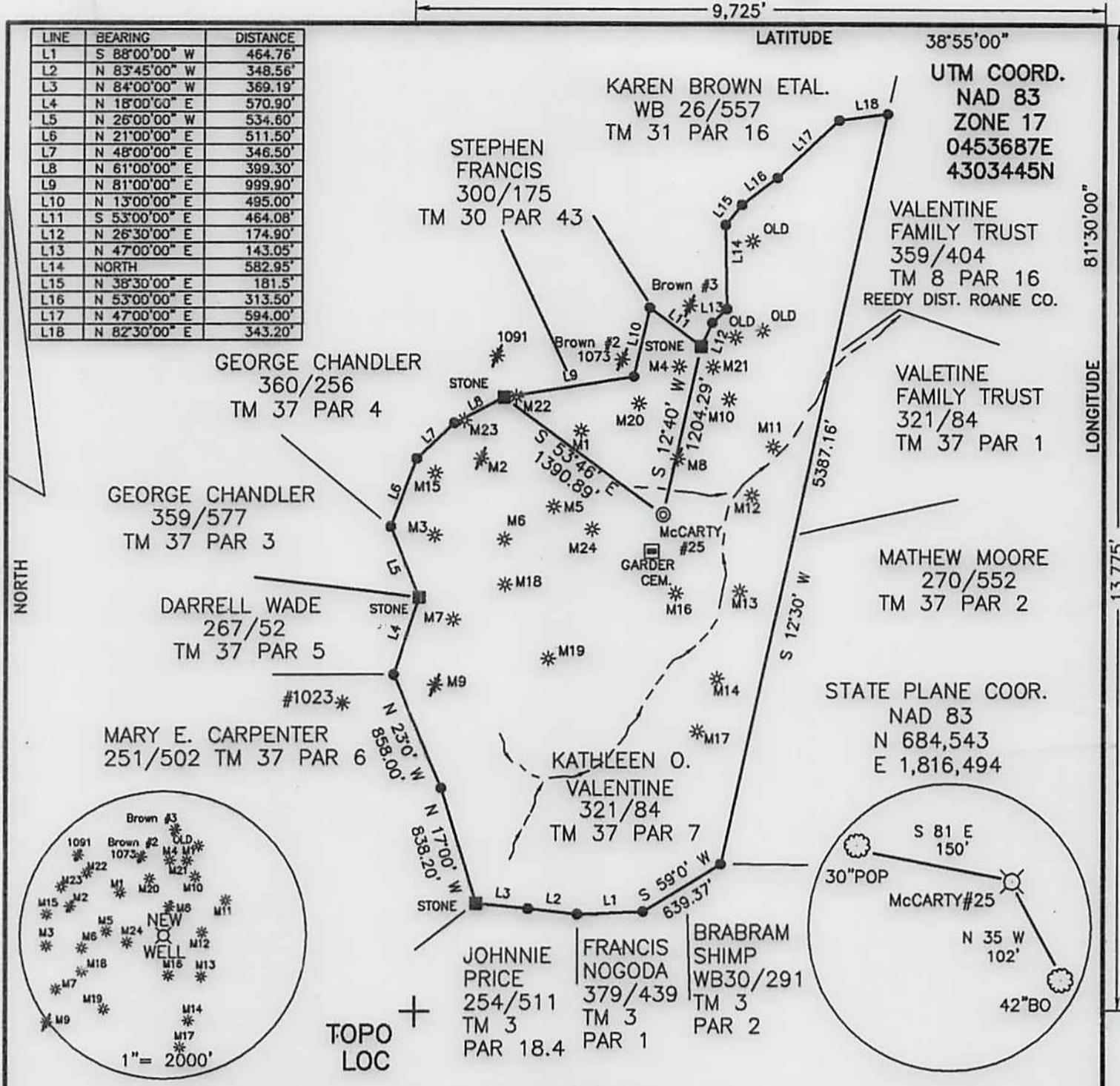
TO
McCARTY #17

Samuel Stevens
4/1/2014



James
4/1/2014
Received

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. 14-12
 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) _____
 R.P.E. _____ L.L.S. 851



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

DATE 3/12, 2014
 OPERATOR'S WELL NO. McCARTY#25
 API WELL NO. 47-35-03020
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 865 WATER SHED BUCK RUN OF RIGHT FORK OF SANDY CREEK
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE LIVERPOOL

SURFACE OWNER BURL H. & KATHLEEN O. VALENTINE ACREAGE 235
 OIL & GAS ROYALTY OWNER KATHLEEN O. VALENTINE 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): _____

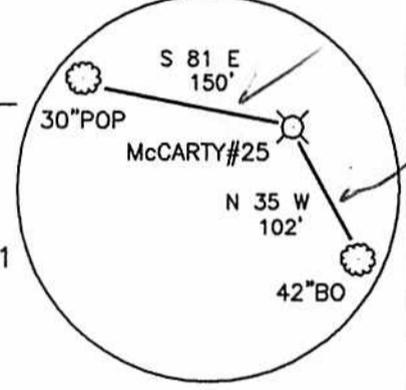
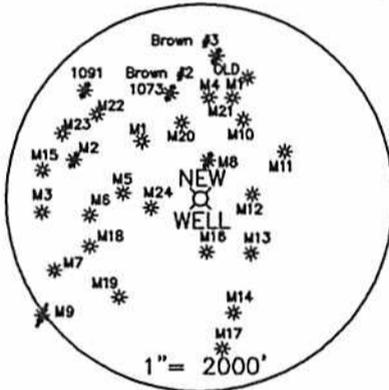
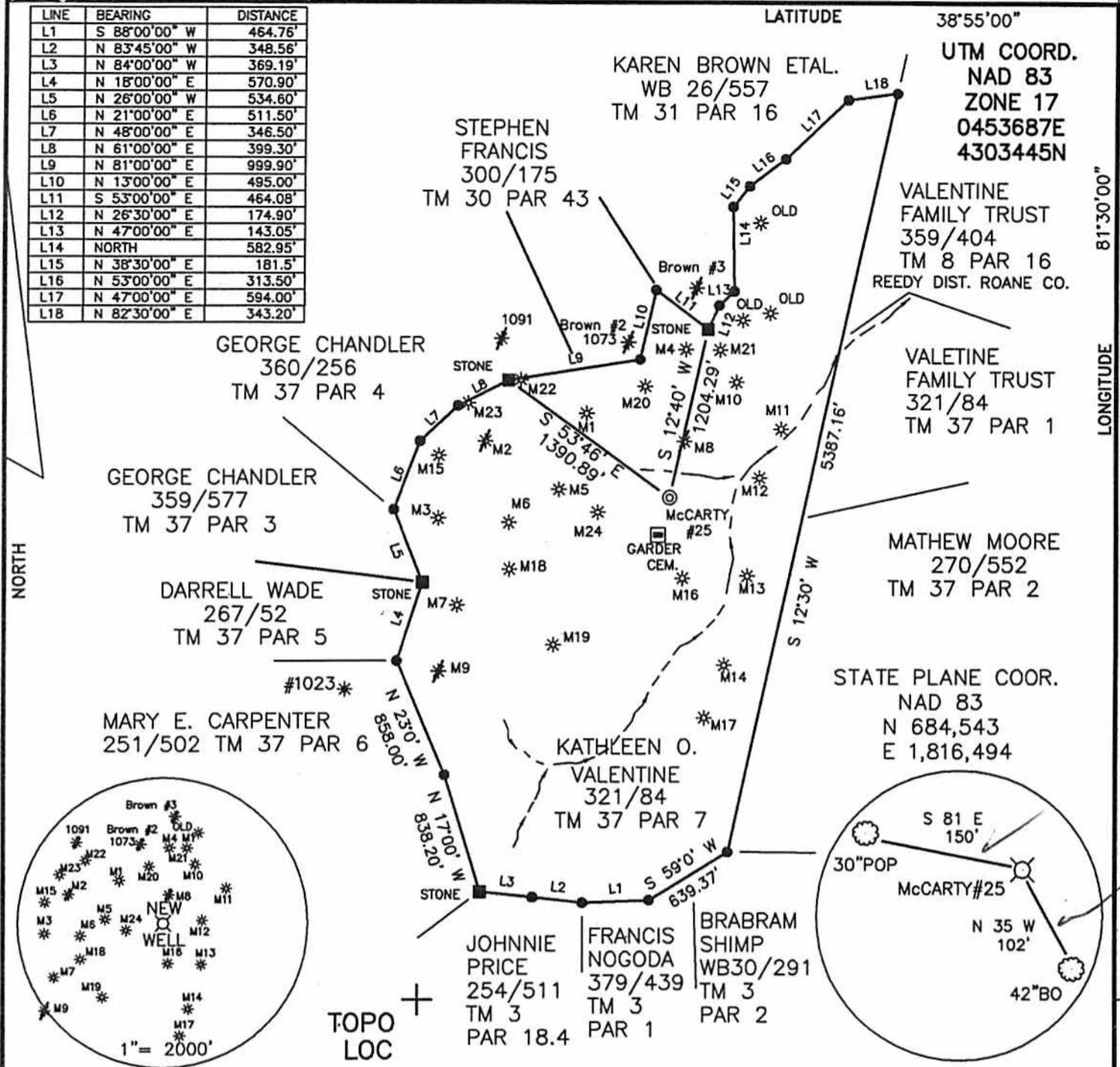
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION BEREA ESTIMATED DEPTH 2850
 WELL OPERATOR ROY C. HILDRETH & SON DESIGNATED AGENT ROY G. HILDRETH JR.
 ADDRESS PO BOX 1007 ADDRESS PO BOX 1007
 SPENCER, WV 25276 SPENCER, WV 25276

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'

LATITUDE 38°55'00"
 UTM COORD. NAD 83
 ZONE 17
 0453687E
 4303445N

LONGITUDE 81°30'00"
 13,775'



TOPO LOC

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

FILE NO. _____
 DRAWING NO. 14-12
 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) _____
 R.P.E. _____ L.L.S. 851



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

DATE 3/12, 2014
 OPERATOR'S WELL NO. McCARTY#25
 API WELL NO. 47-35-03020
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 865 WATER SHED BUCK RUN OF RIGHT FORK OF SANDY CREEK
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE LIVERPOOL

SURFACE OWNER BURL H. & KATHLEEN O. VALENTINE ACREAGE 235
 OIL & GAS ROYALTY OWNER KATHLEEN O. VALENTINE LEASE ACREAGE 235
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHSYICAL 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

APR - 7 2014

4703503020



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.royghildrethandsoninc.com • patty@royghildrethandsoninc.com



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

April 3, 2014

Re: Well Work Permits

Attn: Kay Holtsclaw

Dear Ms. Holtsclaw:

Please find enclosed our "Notice and Application for a Well Work Permits" for C. S. McCarty #24 and #25. Our check in the amount of \$1,300.00 (\$650.00 each) for your fee is also enclosed.

If you have any questions, please contact me at the above number.

Sincerely,

Roy G. Hildreth

plh

Roy G. Hildreth
President/Agent

RGH:plh
Enclosures

Cert Mail No. 7009-0820-0000-6454-3389

Received

APR -7 2014

Office of Oil and Gas
WV Dept. of Environmental Protection