

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: 47-3503019, 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 #24

Farm Name: VALENTINE, BURL H. & KATHLE

API Well Number: 47-3503019 Permit Type: Vertical Well

Date Issued: 04/23/2014

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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) ORIGINAL

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

) Well Operate	or: Roy (G. Hildret	h & Son, Inc.	307492	Jackson	Ravenswood	Liverpool
		20.3.10076.0		Operator ID	2-10-10-10-10-10-10-10-10-10-10-10-10-10-	District	Quadrangl
) Operator's V	Vell Numb	oer: C. S.	MCCARTY #24		3) Elevation:	972	
) Well Type: (a) Oil <u>×</u>	or Ga	ns				
(1	b) If Gas:	Produ	ction × / Un	derground Sto	orage	_	
		Deep	/ \$	Shallow x			
) Proposed To	otal Depth e fresh wa	ter strata	depths: 100' Pitts	Formation at I	Proposed Tar Proposed Tota		
) Approximate	e coal sea	m depth:	S: None Reported			-	
0) Approxima	te void de	epths,(co	al, Karst, other):	None Known			_
1) Does land	contain co	nal seam	s tributary to ac	tive mine?	lo		
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			nd fracturing meth		attach additiona	al sheets if nee	eded)
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rill new well to be	SPECIFIC Size	CATIONS Grade	ASING AND TU	BING PROGE FOOTAGE For Drilling	RAM INTERVALS Left in Well		NI NI
rill new well to be	SPECIFIC	CATIONS	ASING AND TU	BING PROGE FOOTAGE	RAM INTERVALS	S CEME!	NT . Ft.)
3) TYPE	SPECIFIC Size	CATIONS Grade	ASING AND TU	BING PROGE FOOTAGE For Drilling	RAM INTERVALS Left in Well	S CEME!	NT . Ft.)
3) TYPE S Conductor	SPECIFIC Size 9 5/8	CATIONS Grade LS	ASING AND TU Weight per ft 36#	BING PROGE FOOTAGE For Drilling	NTERVALS Left in Well Pulled	S CEME!	NT . Ft.)
3) TYPE Conductor Fresh Water	SPECIFIC Size 9 5/8	CATIONS Grade LS	ASING AND TU Weight per ft 36#	BING PROGE FOOTAGE For Drilling	NTERVALS Left in Well Pulled	S CEME!	NT . Ft.)
3) TYPE Conductor Fresh Water Coal	SPECIFIC Size 9 5/8	CATIONS Grade LS	ASING AND TU Weight per ft 36#	BING PROGE FOOTAGE For Drilling	NTERVALS Left in Well Pulled	CEMEI Fill -up (Cu CTS+30%E	NT Ft.)
3) TYPE S Conductor Fresh Water Coal Intermediate	SPECIFIC Size 9 5/8 7"	CATIONS Grade LS LS	Weight per ft 36# 17#	BING PROGE FOOTAGE For Drilling 30 960	NTERVALS Left in Well Pulled 960	CEMEI Fill -up (Cu CTS+30%E	NT Ft.)
3) TYPE Conductor Fresh Water Coal Intermediate Production	SPECIFIC Size 9 5/8 7"	CATIONS Grade LS LS	Weight per ft 36# 17#	BING PROGE FOOTAGE For Drilling 30 960	NTERVALS Left in Well Pulled 960	Fill -up (Cu	XCESS
3) TYPE S Conductor Fresh Water Coal Intermediate Production Tubing Liners	SPECIFIC Size 9 5/8 7" 4 1/2	CATIONS Grade LS LS	Weight per ft 36# 17#	BING PROGE FOOTAGE For Drilling 30 960	NTERVALS Left in Well Pulled 960	CEMEI Fill -up (Cu CTS+30%E	XCESS
3) TYPE Conductor Fresh Water Coal Intermediate Production Tubing	SPECIFIC Size 9 5/8 7" 4 1/2 d:	CATIONS Grade LS LS	Weight per ft 36# 17#	BING PROGE FOOTAGE For Drilling 30 960	NTERVALS Left in Well Pulled 960	CEMEI Fill -up (Cu CTS+30%E	XCESS

WW-2A (Rev. 6-07)

1). Date: 3-31-2014 2.) Operator's Well Number C. S.CMcCarty #24 State County Permit 47-3.) API Well No .:

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

Surface Ow	(-)	. /	5) (a) Coal Operator
(a) Name	VALENTINE FAMILY TRU	ST /	Name
Address	KATHRYN SUE MOORE 1	TRUSTEE //	Address
	2139 DUTCH RIDGE ROA	AD.	
(b) Name	PARKERSBURG, WV 26	104	(b) Coal Owner(s) with Declaration
Address			Name
	-		Address
(c) Name			Name
Address			Address
C) (-		(a) Coal Leaves with Declaration
6) Inspector	JAMIE STEVENS		(c) Coal Lessee with Declaration
Address	HC 62 BOX 1-C		Name
	KENNA, WV 25248		Address
Telephone	304-206-7775		
			MED ABOVE TAKE NOTICE THAT: contract or contracts by which I hold the right to extract oil and gas
			2, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
Included is t	that as required und ation plat, and accom Personal Servi Certified Mail (er Chapter 22-6 npanying docume ce (Affidavit attac Postmarked post	of the West Virginia Code I have served copies of this notice and ents pages 1 through on the above named parties by: ched) tal receipt attached)
Included is to application, a local street in the street i	that as required under ation plat, and accome Personal Serving Certified Mail (I Publication (Noted) ad and understand C	er Chapter 22-6 npanying docume ce (Affidavit attac Postmarked post tice of Publication	of the West Virginia Code I have served copies of this notice and ents pages 1 through on the above named parties by: ched) tal receipt attached)
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The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Offices at and General Protection
Offices of Environmental Protection 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 Office at a province of the privacy of the depprivacyofficer@wv.gov



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.rovghildrethandsoninc.com • patty@rovghildrethandsoninc.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 A. Adduta Preceived
Roy G. Hildreth Roy G. Hildreth

President

RGH:plh **Enclosures**

Office of Oll and Gas Unice of Unitaria Gradiection

W Dept. of Environmental Protection

Cert. Mail No. 7009 0820 0000 6454 3372

WW-2A1 (Rev. 1/11)

Operator's Well Number C. S.CMcCarty #24

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 he reby a cknowledges 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 ac quired from the appropriate aut hority before the affected activity is initiated.

Well Operator: Bv:Its: Roy G. Hildreth & Son, Inc.

PRESIDENT

Mix Debt of Euritainasulat Broading

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.

My commission expires:

NOTARY PUBLIC

	·
Roy G. Hildreth and Son, Inc.	
By: Heeg B. The Start Roy G. Hildreth, President	
STATE OF WEST VIRGINIA, COUNTY OF ROANE, to-wit:	
1. 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 fo	regoing writing, bearing the 1st day of June, 2007, on behalf of
Krakrow, Inc, as its President has this day, in my said county, be	fore me, acknowledged said writing.
Given under my hand this /srday of June, 20	
My commission expires: August 11,	2013 Haceward Gas
OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VERGINA TERRI A MCMILLAN 17 TRIPLETT ROAD SPENCER, W 28276 My commission expires August 11, 2013	rie a McMillan
STATE OF WEST VIRGINIA,	KI I UDILIC
COUNTY OF ROANE, to-wit:	, a notary public within and for said county and state aforesaid, do
hereby certify that Roy G. Hildreth, whose name is signed to the f	
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 / day of June, 20	or. Received

Office of Oil and Gas
WV Dept. of Environmental Protection
04/25/2014

WW-2B1 (5-12)

Well No	C. S.	McCarty #24	
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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 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

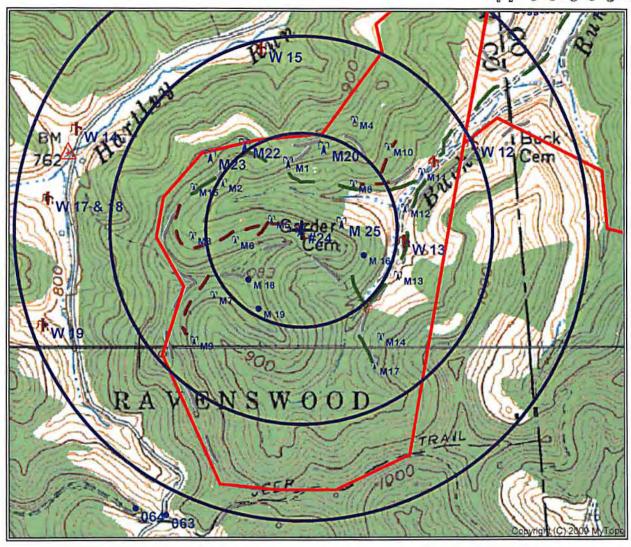
Telephone

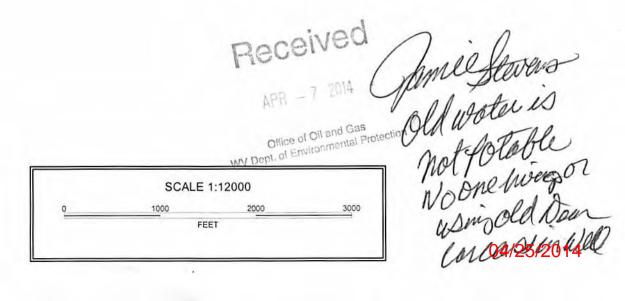
304-927-2130

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.

No tasteny Received

Office of Oil and Gns Wif Flept, of Environmental Protection





WW-9 (5/13)

	Page	1 of 4
API Number 47 - 035		
Operator's Well	No. C. S. Mc	Carty #24

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Ro	by G. Hildreth & Son, Inc	OP Code
Watershed (HUC 1	Buck Run of Right Fork Sandy Creek	Quadrangle Liverpool
Elevation 972	County_Jackson	District_ Ravenswood
Do you anticipate u	sing more than 5,000 bbls of water to complete t	the proposed well work? Yes No _x
Will a pit be used for	or drill cuttings? Yes x No No	
If so, pleas	se describe anticipated pit waste: Gell Water, Dr	ill Cuttings, Freshwater
Will a syn	thetic liner be used in the pit? Yes X No	If so, what ml.? 20
	Disposal Method For Treated Pit Wastes:	
	Land Application	
		mber)
	Reuse (at API NumberOff Site Disposal (Supply form WW-9 form WW-9	
		of disposal totation/
Will closed loop sy	stem be used? No	
Total Control of the		d, etc. Freshwater
The state of the s		d, etc. <u>Freshwater</u>
	d in drilling medium? Clay Sta, KCL, Soap	
Drill cuttings dispo	sal method? Leave in pit, landfill, removed offsi	ite, etc. Leave in pit
-If left in p	oit and plan to solidify what medium will be used	d? (cement, lime, sawdust) Dirt
-Landfill d	or offsite name/permit number?	
on August 1, 2005, provisions of the p law or regulation of I certify u application form a obtaining the infor penalties for submi	by the Office of Oil and Gas of the West Virgini ermit are enforceable by law. Violations of any an lead to enforcement action. Inder penalty of law that I have personally examined all attachments thereto and that, based on mation, I believe that the information is true, tting false information, including the possibility of the contraction.	Recon
		Value of the state
Company Official	Title Roy G. Hildreth & Son, Inc.	oil and Gas
	0.00	0 14 III OPFICIAL SEAL
	orn before me this 31st day of March	NOTARY PUBLIC
Tate	inic L. Hace	Nota Halk Patricia L. Hall 5840 Arnoldsburg Rd. Arnoldsburg, WV 25234
My commission ex	pires January 3, 2022	My Commission Expires Jan 3,2023

Form WW-9			Operator's V	_{/ell No.} C. S. McCarty #
D ID	District d	1.5	Prevegetation pl	. 5.5
Proposed Revegetation Treatm	ent: Acres Disturbed_	6.5	Prevegetation pi	1
	Tons/acre or to cor	rect to pH 0.5		
Fertilizer (10-20-20 o	r equivalent) 0.25	lbs/acre (500 lbs	minimum)	
_{Mulch} Hay	2	Tons/acre		
		Seed Mixtures		
Area	. 1		Ar	ea ll
Seed Type	lbs/acre		Seed Type	lbs/acre
Orchard Grass	25	Lading	o Clover	5
Red Top Clover	15	Ky 31		40
Annual RHY	15	Annua	al Rhy	15
				
Plan Approved by:	James	Steven	<i>A</i>	
				.
		<u>.</u> .	/ •	
Title: May	leter VYes	Date: () No	4/1/20	Received
				Heo.
				NDS - WIN

Mil Debi of Environmental Protection 04/25/2014

NOTE:

4703503019

Any Trees 6" or larger in Diameter will be cut and piled. Brush will be used as Sediment Barriers.

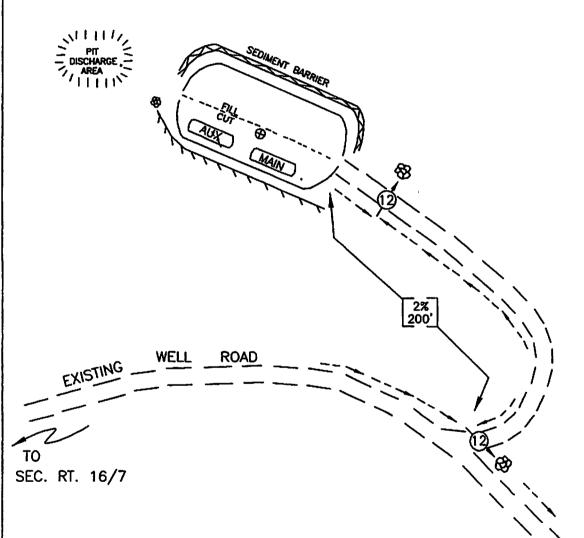
Tempory seed and mulch all slopes upon construction.

Stone over all Culverts and entrance off existing roadway.

McCARTY #24

NOTE:

PIT SIZE: 25'X80' 1/2
LOCATION SIZE: 100'X200' 1/2

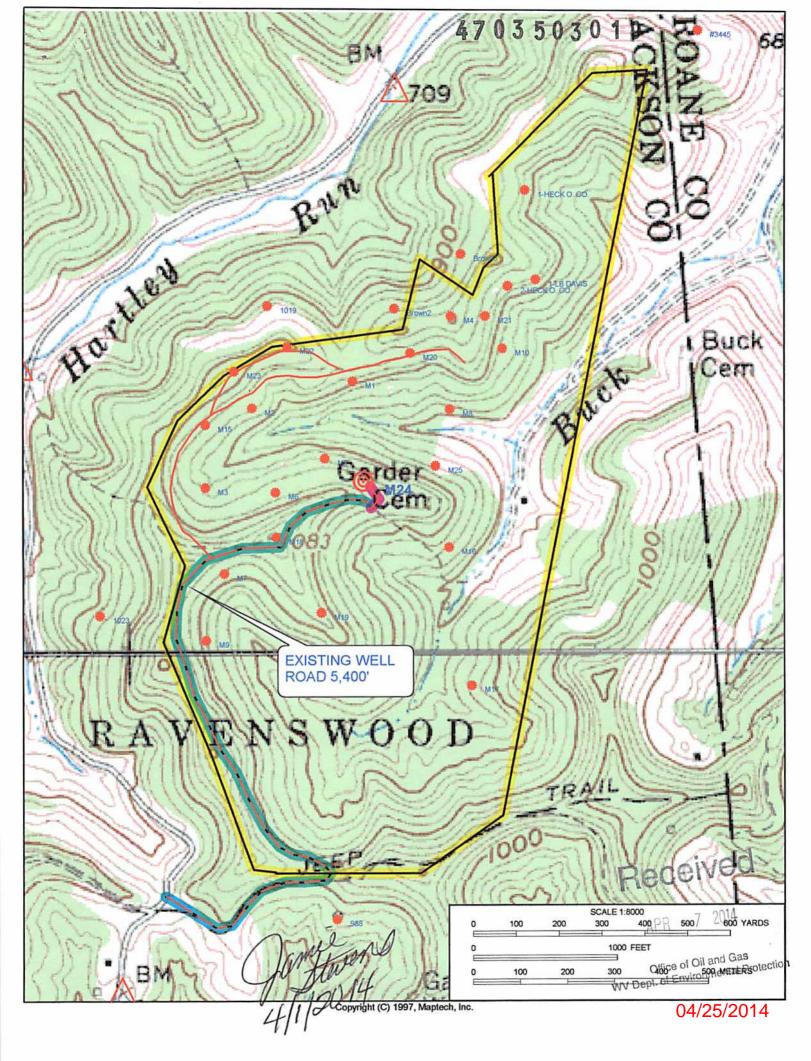


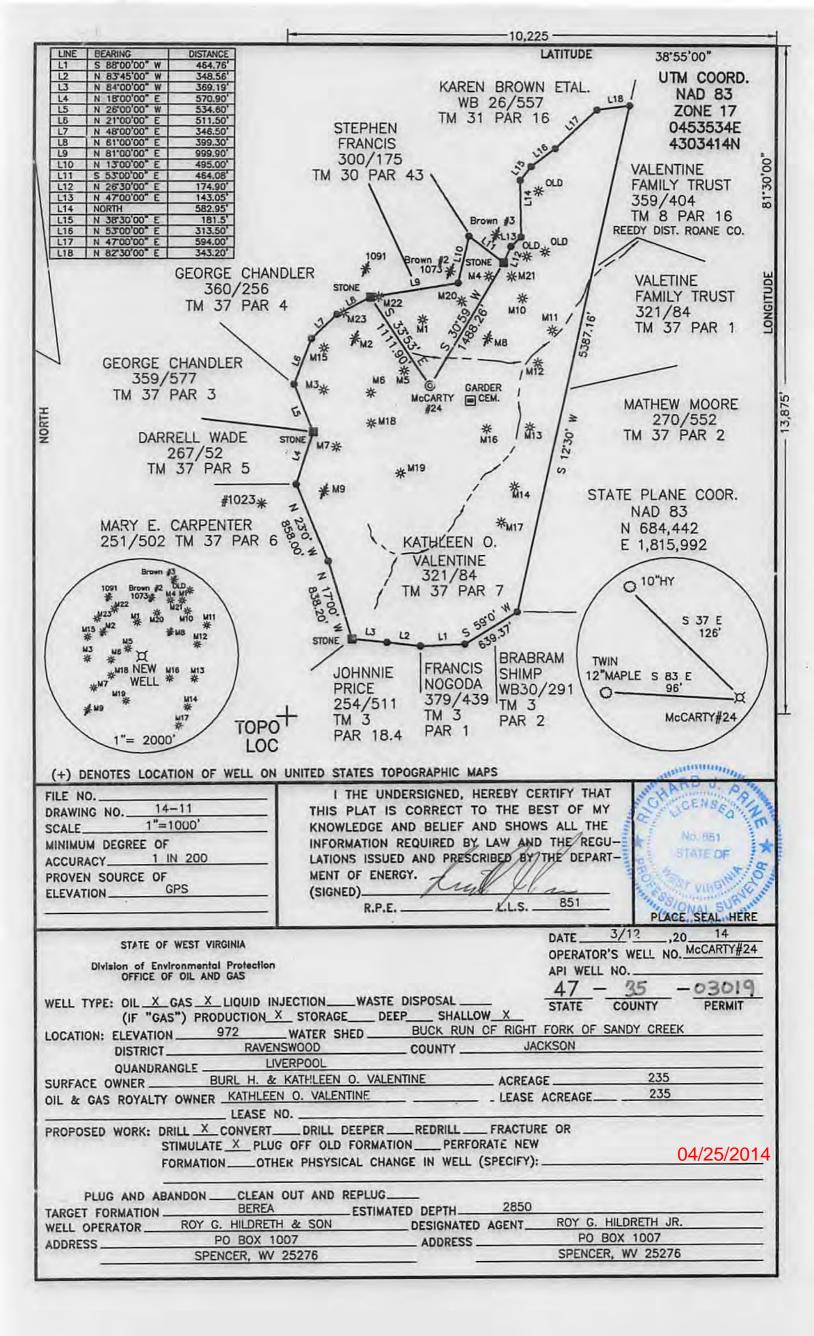
Janua Stevers H11/2014 TO Received

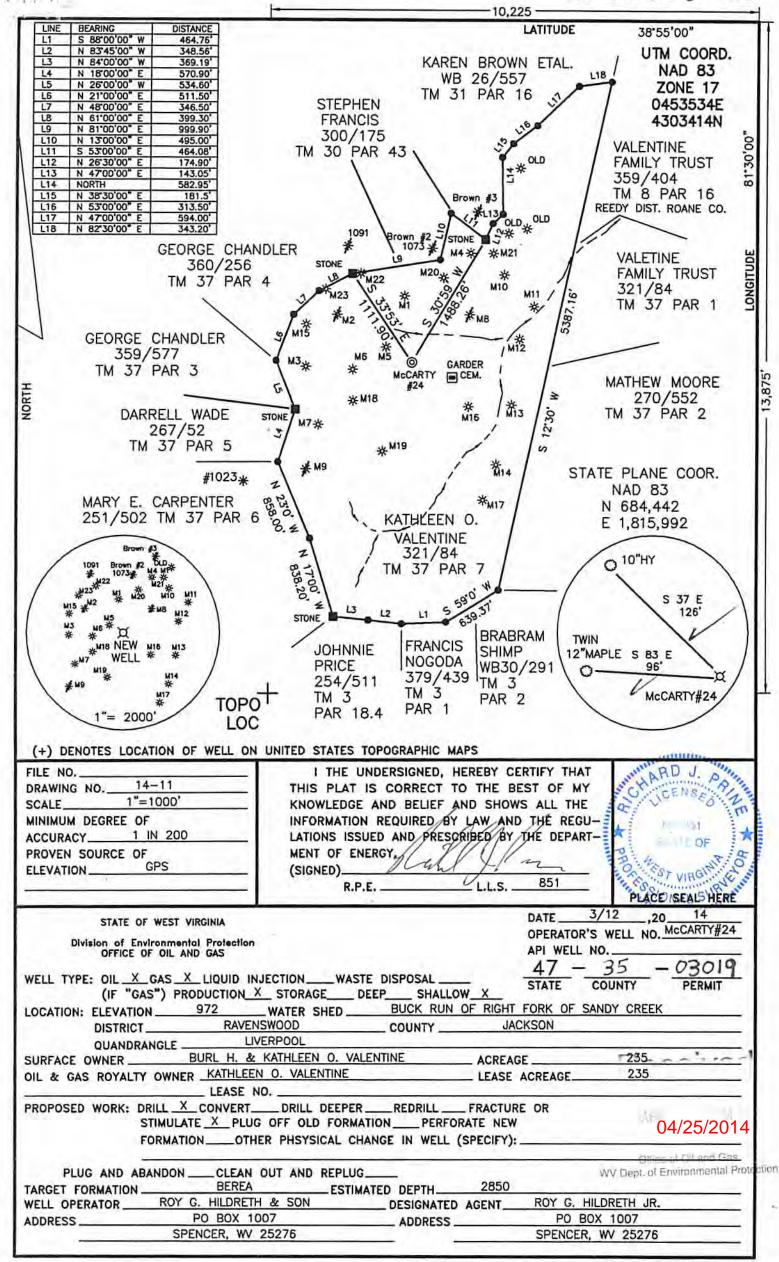
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APR - 7 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



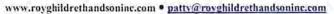






ROY G. HILDRETH AND SON, INC. OIL & GAS OFFICE LAND DEPARTMENT

758 Arnoldsburg Road • P.O. Box 1007 • Spencer, WV 25276 Phone: (304) 927-2130 • Fax: (304) 927-5933





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 & Hildrets Pla Roy G. Hildreth President/Agent

RGH:plh Enclosures

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

Received Office of Oil and Gas Wy Dept. of Environmental Protection