

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

June 11, 2013

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-3503016, issued to HILDRETH, ROY G., JR. & SON, 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: C.S. MCCARTY #23

Farm Name: VALENTINE, BURL H. & KATHLE

API Well Number: 47-3503016
Permit Type: Vertical Well

Date Issued: 06/11/2013

WW - 2B (Rev. 8/10)

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

Well Operato	or: ROY (G. HILDRE	ETH AND SON, INC	307492	JACKSON	RAVENSWOOD LI	VERPOOL
				Operator ID	County	District C	Quadrangle
Operator's V	Vell Numb	er: C. S. I	MCCARTY #23		3) Elevation:	1005'	
Well Type: (a	a) Oil <u>X</u>	or Ga	ns				
(t	o) If Gas:	Produ	ction X / Und	erground Sto	rage		
Ŷ.		Deep	o/ SI	nallow X			
Approximate	fresh wa	ter strata	Feet Fa depths: 100', PITTS: SALT SAND 2085 - 21	SBURG 745 - 885'	Proposed Tai Proposed Total	get Depth: 2670 al Depth: BEREA	<u></u>
Approximate	coal sea	m depths	S: NONE REPORT	ED			
) Approximat	te void de	pths,(coa	al, Karst, other):	NONE KNOWN	1		_
			s tributary to acti				
			nd fracturing methor JLATE WITH X-LINE			al sheets if neede	ed)
						al sheets if neede	ed)
ILL NEW BERE		DOSTIMU DOS	JLATE WITH X-LINE	(/SAND OR FC	OAM/SAND.	al sheets if neede	ed)
LL NEW BERE	WELL AI	OD STIMU	JLATE WITH X-LINE	ING PROGR	AM/SAND.		
) PRINCE OF THE		OD STIMU	JLATE WITH X-LINE	(/SAND OR FC	OAM/SAND.	S CEMENT	
) TYPE S	SPECIFIC	ND STIMU OB CA ATIONS	ASING AND TUB	ING PROGR	AM/SAND. RAM INTERVALS	S CEMENT	
TYPE S	SPECIFIC Size 11 3/4	CA ATIONS	ASING AND TUB	ING PROGR FOOTAGE	RAM/SAND. RAM INTERVALS Left in Well	S CEMENT	<u></u>
TYPE S	SPECIFIC Size 11 3/4	CA ATIONS Grade	ASING AND TUB Weight per ft 42#	ING PROGR FOOTAGE For Drilling 30'	AM/SAND. RAM INTERVALS Left in Well PULLED	S CEMENT Fill -up (Cu. Ft	<u></u>
TYPE S Conductor Fresh Water	SPECIFIC Size 11 3/4	CA ATIONS Grade	ASING AND TUB Weight per ft 42#	ING PROGR FOOTAGE For Drilling 30'	AM/SAND. RAM INTERVALS Left in Well PULLED	S CEMENT Fill -up (Cu. Ft	<u></u>
TYPE S Conductor Fresh Water Coal Intermediate	SPECIFIC Size 11 3/4	CA ATIONS Grade	ASING AND TUB Weight per ft 42#	ING PROGR FOOTAGE For Drilling 30'	AM/SAND. RAM INTERVALS Left in Well PULLED	S CEMENT Fill -up (Cu. Ft	cess OK
TYPE S Conductor Fresh Water Coal Intermediate Production	SPECIFIC Size 11 3/4 8 5/8	CA ATIONS Grade	Weight per ft 42# 28#	ING PROGE FOOTAGE For Drilling 30' 990'	AM/SAND. RAM INTERVALS Left in Well PULLED 990'	CEMENT Fill -up (Cu. Ft CTS + 30% EXC	CESS OK
B)	SPECIFIC Size 11 3/4 8 5/8	CA ATIONS Grade	Weight per ft 42# 28#	ING PROGE FOOTAGE For Drilling 30' 990'	AM/SAND. RAM INTERVALS Left in Well PULLED 990'	Fill -up (Cu. Ft	CESS OK

(Rev. 6-07)		1). Date: APRIL 24, 2013
(IXEV. 0-07)		2.) Operator's Well Number c. s. MCCARTY #23
		State County Permit
		3.) API Well No.: 4/- 035 -
	STATE	OF WEST VIRGINIA
DEP	ARTMENT OF ENVIRONMEN	NTAL PROTECTION, OFFICE OF OIL AND GAS Check #3
DLI	NOTICE AND APPLICA	ATION FOR A WELL WORK PERMIT
	HO HOL AND ALL LIGH	ANONI ORA WELL WORKET LIMIT
A) Surface Ow	vner(s) to be served:	5) (a) Coal Operator
(a) Name	filer(s) to be served.	Name
Address	Valentine Family Trust/	Address
Addicas	Kathryn Sue Moore Truste	
(b) Name	2139 Dutch Ridge Road	(b) Coal Owner(s) with Declaration
Address		Neme
Address	Parkersburg, WV 26104	Address
	-	Addless
(c) Name		Name
Address	-	Address
Address	-	Address
6) Inchestor	JAMIE STEVENS	(c) Coal Lessee with Declaration
6) Inspector Address		Name
Address	HC 62 - BOX 1C	Address
Telephone	KENNA, WV 25248	Address
Telephone	304-206-7775	AMED ABOVE TAKE NOTICE THAT:
application, a loo ${x}$	cation plat, and accompanying docur Personal Service (Affidavit att Certified Mail (Postmarked po Publication (Notice of Publica	ostal receipt attached) tion attached)
I have re	ad and understand Chapter 22-6 a	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 pe	ersonally examined and am familiar with the information submitted on
this application to	form and all attachments, and that lormation, I believe that the information	based on my inquiry of those individuals immediately responsible for
I am aw	are that there are significant penaltic	es for submitting false information, including the possibility of fine and
imprisonment.	are that there are organized training	
	Well Operato	ROY G. HILDRETH AND SON, INC.
N.	OFFICIAL SEAL By:	Jon R. Willatte
STAT	E OF WEST VIRGINIA Its:	JON R. HILDRETH, SECRETARY RECRIVED
584	Patricia L. Hall O Arnoldsburg Rd. Address	P. O. BOX 1007 Office of Oil & Gas
Arm.	oldsburg, WV 25234	SPENCER, WV 25276
	Telephone	304-927-2130
Subscribed and	sworn before me this 24TH day	of APRIL , 2013
1/1/2	ind Hall	Notary Public
My Commission	Expires () enue	4 3 2022
Oil and Gas Privacy		
Your personal infor	mation may be disclosed to other State ag	on, such as name, address and phone number, as a part of our regulatory duties. gencies or third parties in the normal course of business or as needed to comply of Information Act requests. Our office will appropriately secure your personal personal information, please contact DEP's Chief Privacy Officer at
depprivacyofficer@		

06/14/2013



Received Office of Oil & Gas

11AV 1 = 2013

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. Daniel and Richard Moore, d/b/a	Krakrow, Inc.	WI	247/903
Summit Energy		RI 1/8/	LB 18/99
Krakrow, Inc.	Roy G. Hildreth and Son	, Inc. Agre	eement 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 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 appr opriate aut hority before the affected activity is initiated.

ROY G. HILDRETH AND SON, INC.

on & H-conetty.

Well Operator: By:Its:

/: Its: JON R: HILDRETH, SECRETARY

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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:

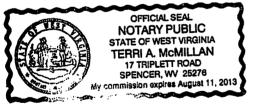
Krakrow, Inc. Roy G. Hildreth and Son, Inc. By: Hoe B. The first STATE OF WEST VIRGINIA, COUNTY OF ROANE, to-wit:

I, TERRI A. Mc Millau, 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 /srday of June, 2007.

My commission expires: August 11, 2013

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Oiflice of Oil & Gas



Perre a. McMillaw

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

I, TERRIA Mc MILLAW, 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 /5r day of June, 2007.

My commission expires: August 11, 2013

Perri a. Mc Millan OFFICIAL SEAL **NOTARY PUBLIC** STATE CHAPEST VIRGINIA TERRY - MCMILLAN 17 Chirt.ETT ROAD SPENCER, WV 25276 My commission expires August 11, 2013

WW-2B1 (5-12)

Well No.	C. S.	MCCARTY #23
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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 P. O. BOX 286, BEAVER, WV 25813

Sampling Contractor

ROY G. HILDRETH AND SON, INC.

Well Operator ROY G. HILDRETH AND SON, INC.

Address

P. O. 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.

SEE Attached

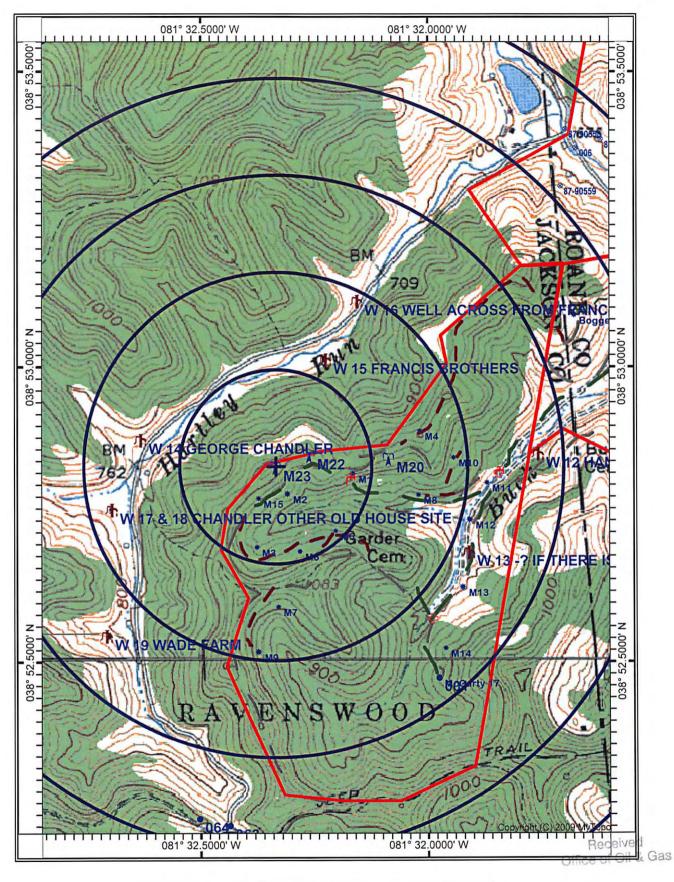
1500 patr Well 5/1/20/3 Office of Oil & Gas

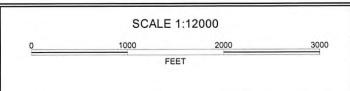
ATTACHMENT TO FORM WW-2B1

W-12 ABANDONED HOUSE - VALENTINE	DUG WELL
W-13 ABANDONED HOUSE - VALENTINE	CAN NOT LOCATE A WELL, UNSURE IF ONE EXISTS
W-14 GEORGE CHANDLER HOUSE	APPEARS TO BE A DRILLED WELL
W-15 FRANCIS BROTHERS - HUNTING CAMP	DRILLED WELL
W-16 HOUSE ACROSS FROM FRANCIS BROTHERS - MARTIN	UNSURE OF WELL TYPE
W-17 GEORGE CHANDLER-OLD HOUSE SITE	DRILLED WELL
W-18 GEORGE CHANDLER-OLD HOUSE SITE	DUG WELL
W-19 WADE FARM	DUG WELL

VALENTINE - SURFACE OWNER ON LEASE
GEORGE A. CHANDLER 273 CLARY ROAD, SPENCER, WV 25276
FRANCIS BROTHERS RT. BOX 5A, LEROY, WV 25252
CARL MARTIN 4701 HARTLEY RUN RD, LEROY, WV 25252
DARRELL WADE 68 HECK STREET, LEROY, WV 25252

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MAY 1 6 2013

WW-9 Rev. 5/10

	Page 1		of 4	
API Number 47 -			7 10	
Operator's Well N	O. C. S. MC	CCARTY	#23	

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name ROY G. HI	LDRETH AND SON, INC.	OP Code	
Watershed BUCK RUN OF	RIGHT FORK OF SANDY CREEK	Quadrangle LIVERPOOL	
Elevation 1005	County JACKSON	District_RAVENS	WOOD
Description of anticipated	Pit Waste: GELL WATER, DRILL CUTTIN	GS, FRESHWATER	
	nore than 5,000 bbls of water to complet		No_X
Will a synthetic liner be u	ised in the pit? YES . If	so, what mil.? 20	
<u>x</u>	Def For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Notes: Reuse (at API Number: Off Site Disposal (Supply form WW-9) Other (Explain:		
-If oil based, wh Additives to be used? <u>CL</u> Will closed loop system b Drill cuttings disposal me -If left in pit and		ffsite, etc. LEAVE IN PIT sed? Cement, lime, sawdust DIRT (CEM	
on August 1, 2005, by the provisions of the permit law or regulation can lead I certify under application form and al obtaining the informatio penalties for submitting f	penalty of law that I have personally elattachments thereto and that, based in, I believe that the information is trucalse information, including the possibility of R. HILDRETH	examined and am familiar with the ison my inquiry of those individuals are, accurate, and complete. I am avery of fine or imprisonment.	otection. I understand that the permit and/or other applicable information submitted on this immediately responsible for
Subscribed and sworn be Also My commission expires	in J. Hall	Notary Publication 19 19 19 19 19 19 19 19 19 19 19 19 19	OFFICIAL SEAL NOTARY PUBLIC TATE OF WEST VIRGINIA Patricla L. Hall 5840 Arnoldsburg Rd. Arnoldsburg, WV 25234 My Commission Expires Van 3, 2021

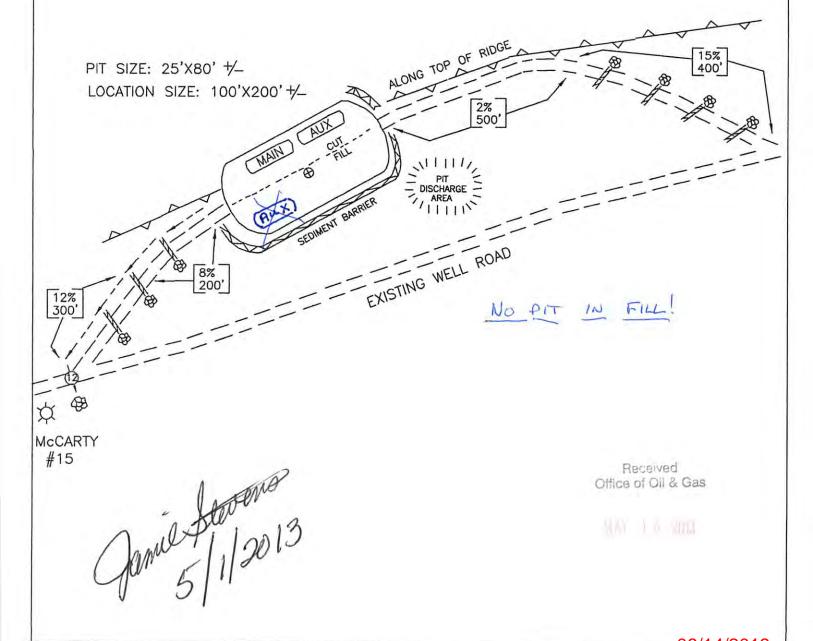
	LEGEND	
Property Boundary	Diversion William 11111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Road = = = = = = = = = =	Spring -	
Existing Fence — X — X — X —	Wet Spot	
Planned Fence / / /	Drain Pipe with size in inches	
Stream	Waterway \longleftrightarrow	\rightarrow \leftarrow
Open Ditch	Cross Drain	
Rock 655 555	Artificial Filter Strip XXXXX	XXXXXXXXXXXXX
North N	Pit: cut walls	
Buildings	Pit: compacted fill walls	
Water wells	Area for Land Application of Pit	Waste
Drill site	<u> </u>	
Proposed Revegetation Treatment: Acres Disturbed 3	Prevegetation pH	5.5
Proposed Revegetation Treatment: Acres Disturbed	6 5	
Lime Tons/acre or to correct to	_{pH} 0.5	
0.26	lbs/acre (500 lbs minimum)	
LIV 3		
Mulch 1 on	ns/acre	
S	Seed Mixtures	
Area I	/ Area l	II
Seed Type lbs/acre	Seed Type	lbs/acre
ORCHARD GRASS 25	LADINO CLOVER	5 V
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 a Photocopied section of involved 7.5' topographic sheet.	application.	Received Office of Oil & Gas
	Control of the contro	
Plan Approved by: James Ste	were	SIAY 1-6-2013
Comments:		
	dihi2	
Title:	Date: 5///2010	
Field Reviewed? () Yes () No	

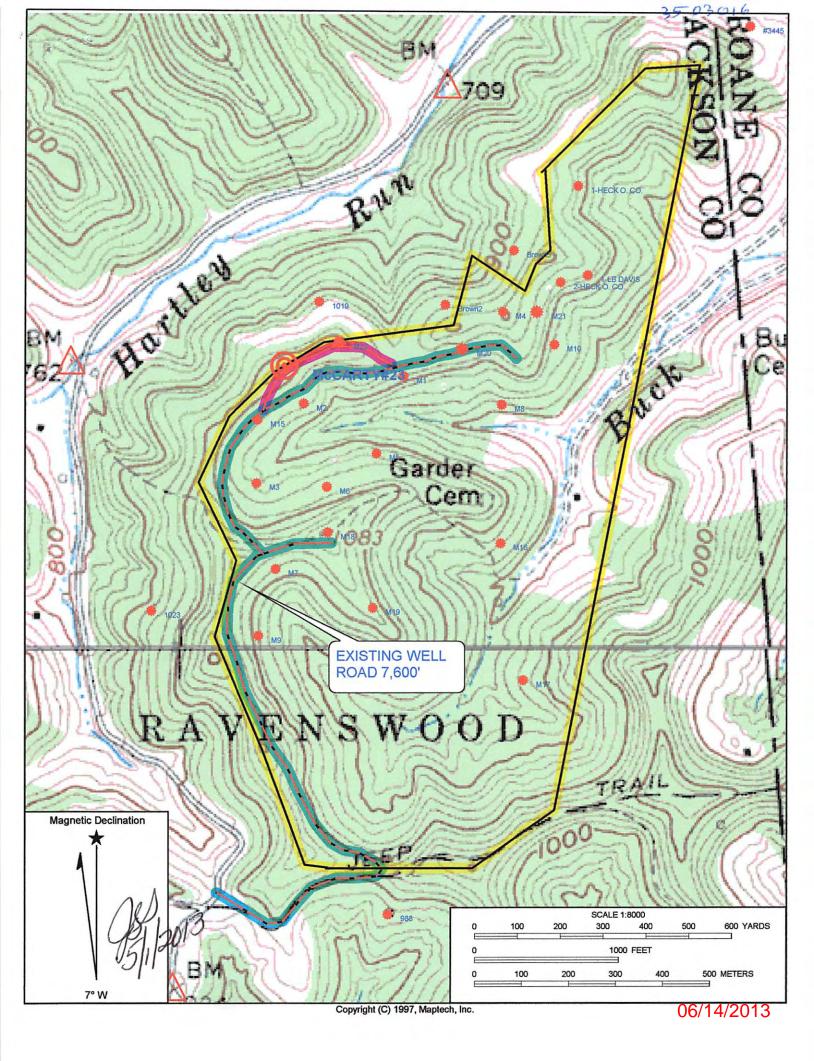
NOTE;

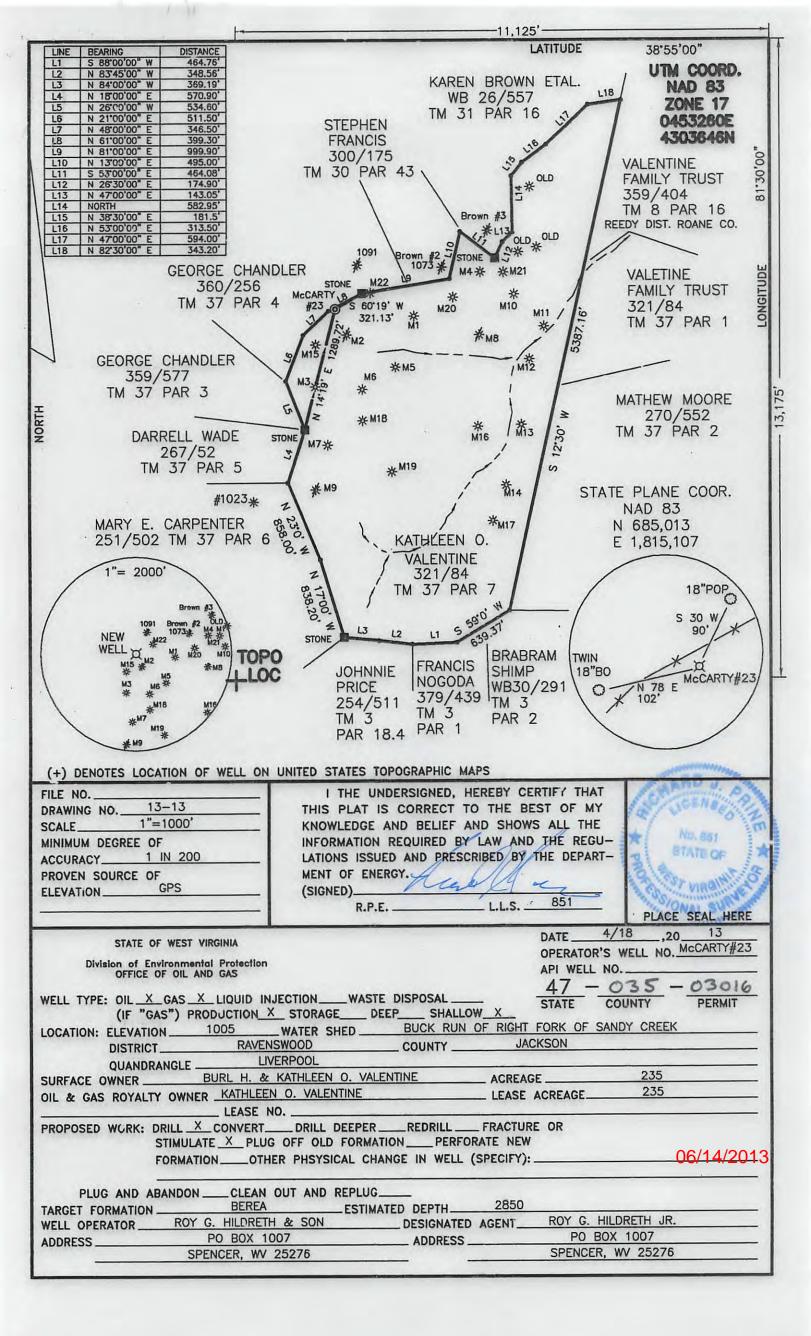
Any Trees 6" or larger in Diameter will be cut and piled. Brush will be used as Sediment Barriers.

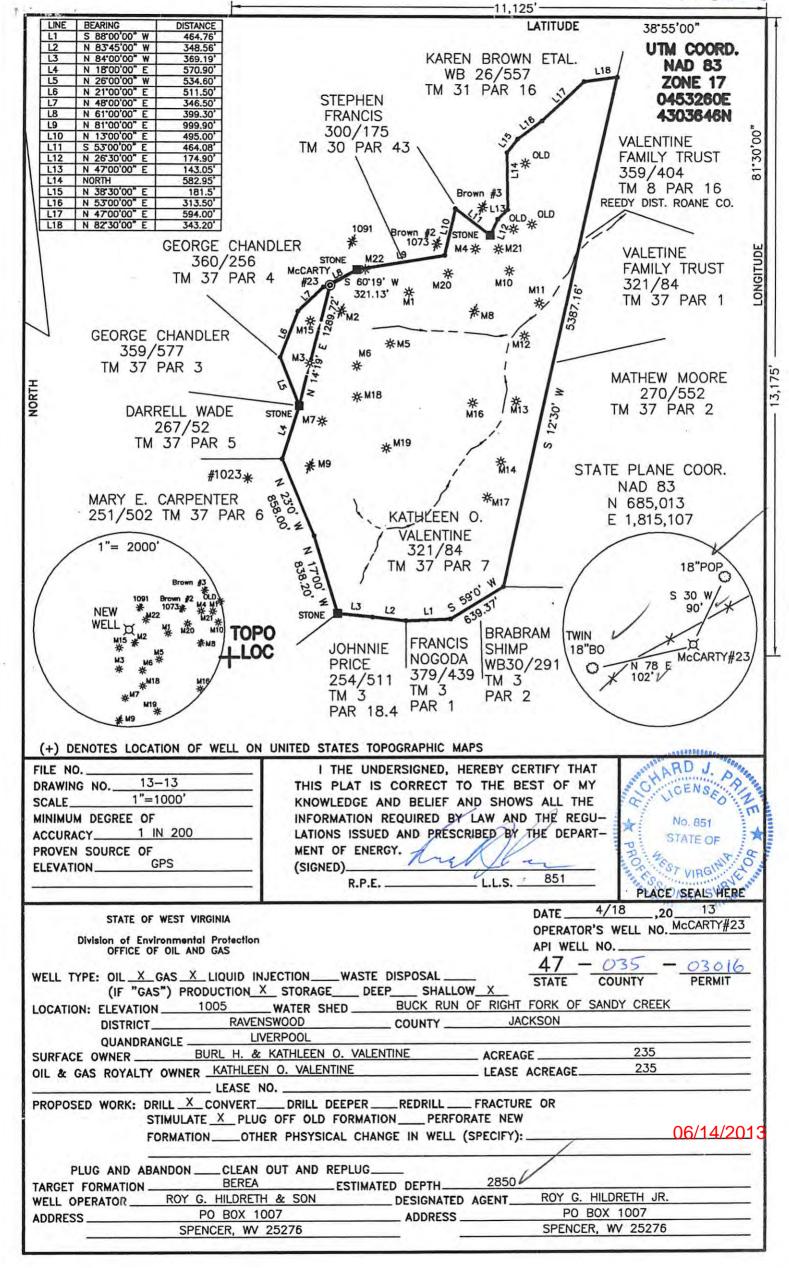
Tempory seed and mulch all slopes upon construction. Stone over all Culverts.

McCARTY #23





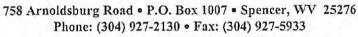


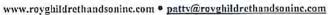




ROY G. HILDRETH AND SON, INC. OIL & GAS OFFICE

LAND DEPARTMENT







STATE OF WEST VIRGINIA DIV OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS 601 57^{TII} STREET CHARLESTON, WV 25304

May 16, 2013

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 #20, #22, and #23. Our check in the amount of \$1,950.00 (\$650.00 each) for your fee is also enclosed.

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

Sincerely,

Roy A. Heldufu (peh) Roy G. Hildreth President/Agent

RGH:plh Enclosures

Cert Mail No. 7009-0820-0000-6454-3310

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2013

CK# 1592.00
\$ 1,950.00



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@rovghildrethandsoninc.com



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

May 16, 2013

Re: C. S. McCarty #20, #22, and #23

Dear Ms. Valentine:

Records show that you are the current owner of a 235 acre tract, located on the waters of Buck Run of Right Fork of Sandy Creek, Ravenswood District, Jackson County, West Virginia. We are planning drill three new wells on your property. Please find enclosed our "Notice to Landowner", a copy of our "Notice and Application for a Well Work Permit", along with other information regarding the wells.

Please sign the "Surface Owner Waiver" forms enclosed and return them 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. Heldreta Ph

Jon R. Hildreth Vice-President

JRH:plh Enclosures Certified Mail No. – 7009-0820-0000-6454-3303 Received Office of Oil & Gas