



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

August 12, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-700530, issued to ROSS & WHARTON GAS CO INC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 1
Farm Name: MCCOY, WETZEL LEE & JOHN L
API Well Number: 47-700530
Permit Type: Plugging
Date Issued: 08/12/2014

Promoting a healthy environment.

08/15/2014

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. 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.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date April 1, 2014
2) Operator's Well No. Belknap, Dewey #1
3) API Well No. 47-007 - 00530

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1080 Watershed _____
District Otter County Braxton Quadrangle Glenville

6) Well Operator Ross & Wharton 7) Designated Agent Mike Ross
Address Route 5 Box 29 Address PO Box 219
Buckhannon, WV 26201 Coalton, WV 26257

8) Oil and Gas Inspector to be notified Name Bryan Harris
Address PO Box 157
Volga, WV 26238
9) Plugging Contractor Name Unknown
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:

2210 - TD

Run 6% Gel between each plug

2210 - 2000 Set Cement Plug

1350 - 1250 Set Cement Plug

1130 - ⁹³⁰4030 Set Cement Plug ELEV 1 7" CASING SEAT.

²⁴⁷100- 0 Set Cement Plug ACROSS 3 5/8 CASING SEAT & FRESH WATER.

Set Monument with API Number

*FREEPOINT 4 1/2" CASING,
AND REMOVE ALL FREE CASING
SET 100' MINIMUM CLASS A
PLUG ACROSS CASING CUT.*

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Notification must be given to the district oil and gas inspector 24 hours before the work can commence. WV Department of Environmental Protection

Work order approved by inspector Bryan O'Hara Date 5-7-14

08/15/2014



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION /

Quadrangle Glenville

Permit No. BRAX - 530

WELL RECORD

Oil or Gas Well Gas

Company <u>Har-Ken Oil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 616, Owensboro, Kentucky</u>	Size			
Farm <u>Dewey Belknap</u> Acres <u>55</u>	16			Kind of Packer
Location (waters)	13			Size of
Well No. <u>One (1)</u> Elev. <u>1080'</u>	10			Depth set
District <u>Otter</u> County <u>Braxton</u>	8 5/8" <u>8 5/8"</u> <u>197</u>	<u>197</u>	<u>Pulled</u>	
The surface of tract is owned in fee by <u>Dewey Belknap</u>	7" <u>7"</u> <u>987</u>	<u>987</u>	<u>Pulled</u>	
Address	4 1/2" <u>4 1/2"</u> <u>1940</u>	<u>1940</u>		
Mineral rights are owned by <u>Dewey Belknap</u>	3			Perf. top
Address	2	<u>2087</u>		Perf. bottom
Drilling commenced <u>October 28, 1962</u>	Liners Used			Perf. top
Drilling completed <u>January 15, 1963</u>				Perf. bottom
Date Shot From To				
With				
Open Flow /10ths Water in Inch				
/10ths Merc. in Inch				
Volume <u>100,000</u> Cu. Ft.	CASING CEMENTED <u>Yes</u> SIZE <u>4 1/2</u> No. Ft. <u>1940</u> Date			
Rock Pressure <u>220</u> lbs. hrs.	<u>85</u> sks. cement. <u>4</u> sks. aquagel- <u>LAWSON</u>			
Oil bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT FEET INCHES			
WELL ACIDIZED <u>Yes</u>	FEET INCHES FEET INCHES			
WELL FRACTURED <u>Yes</u>	FEET INCHES FEET INCHES			

RESULT AFTER TREATMENT 250,000

ROCK PRESSURE AFTER TREATMENT 220# 24 hrs. (420# 80 hrs.)

Fresh Water X Feet 60 Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
0-23	Clay						
23-27	Sand						
27-35	Slate						
35-95	Sand						
95-120	Slate						
120-162	Red Rock						
162-176	Hard Lime						
176-200	Red Rock						
200-225	Gray Lime						
225-247	Red Rock						
247-255	Hard Lime						
255-276	Red Rock						
276-305	Hard Lime						
305-330	Red Rock						
330-376	Lime						
376-392	Pink Rock						
392-403	Gritty Lime						
403-415	Red Rock						
415-445	Hard Lime						
445-450	Red Rock						
450-488	Lime						
488-530	Blue Gritty Lime						
530-570	Slate & Shells						
570-635	Gritty Lime						
635-755	Sand						
755-795	Slate & Shells						
795-826	Sand						
826-854	Slate & Shells						
854-926	Sand						

(over)

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Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
926-964	Slate & Shells						
964-975	Sand						
975-1045	Slate & Shells						
1045-1062	Dark Lime						
1062-1135	Hard Lime Shells						
1135-1160	Sand						
1160-1250	Slate & Shells						
1250-1290	Gray Gritty Lime						
1290-1305	Sand						
1305-1445	Slate & Shells						
1445-1470	Salt Sand						
1470-1513	Slate & Shells						
1513-1546	Black Lime						
1546-1656	Sand						
1656-1750	Slate & Shells						
1750-1848	Red Lime						
1848-1857	Slate & Shells						
1857-1875	Lime						
1875-1885	Pencil Cave						
1885-1893	Gray Lime						
1893-1925	Cave						
1925-2020	Big Lime						
2020-2092	Injun Sand						
2092-2140	Gritty Lime						
2140-2151	Sand						
2151-2174	Gritty Lime						
2174-2179	Sand						
2170-2210	Hard Lime						
2023-2027	Pay						
2046-2051	Pay						
2146-2155	Pay						

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Date _____ 19____

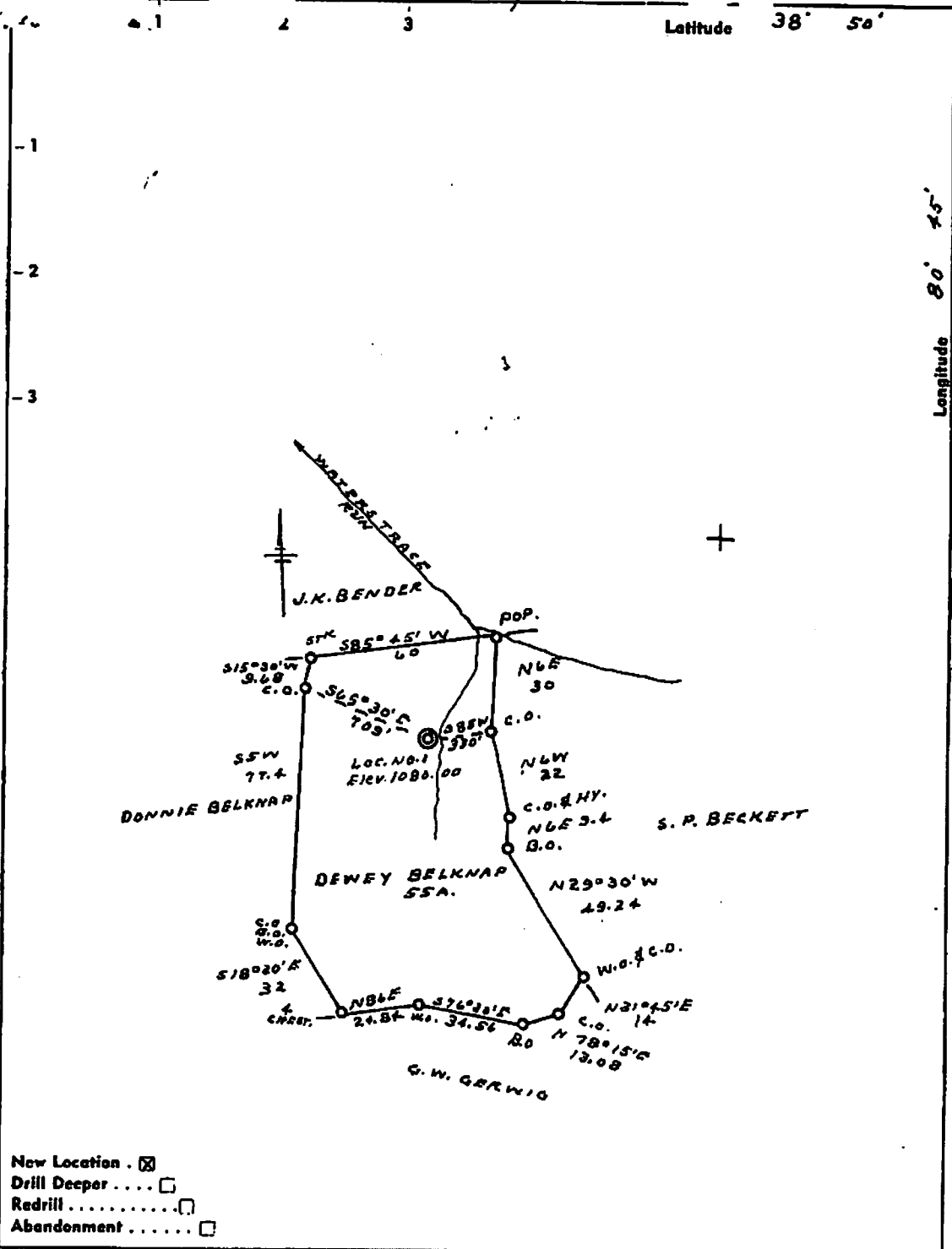
APPROVED _____

By _____

(Title)

WV Department of
Environmental Protection
08/15/2014

flow 24 pt. ad. -



- New Location
- Drill Deeper
- Redrill
- Abandonment

Company HAR-KEN OIL CO
 Address BOX 676 OWENSBORO KY.
 Farm DEWEY BELKNAP
 Tract Acres 55 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1080.00
 Quadrangle GLENVILLE
 County BRAXTON District OTTER
 Engineer G. J. Dyer
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 8-13-62 Scale 1" = 40 POLES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. BRRX-016

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 and longitude lines being represented by border lines as shown.

- Denotes one inch spacing border of original tracing.

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 475

700530 P

WW-4A
Revised 6-07

1) Date: April 1, 2014
2) Operator's Well Number
Belknap, Dewey #1
3) API Well No.: 47 - 007 - 00530

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Wetzel Lee McCoy</u> ✓	Name <u>N/A</u>
Address <u>948 Trace Run</u>	Address _____
<u>Gassaway, WV 26624</u>	_____
(b) Name <u>John Lee McCoy</u> ✓	(b) Coal Owner(s) with Declaration
Address <u>3722 Scenic Highway</u>	Name <u>N/A</u>
<u>Summersville, WV 26651</u>	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 157</u>	Name <u>N/A</u>
<u>Volga, WV 26238</u>	Address _____
Telephone <u>304-553-6087</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

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Well Operator	<u>Ross & Wharton (Mike Ross Inc.)</u>
By	<u><i>Mike Ross</i></u>
Its	_____
Address	<u>President</u>
Telephone	<u>PO Box 219</u>
	<u>Coalton, WV 26257</u>
	<u>304-472-4289</u>

Subscribed and sworn before me this 22nd day of April, 2014
Brenda K. Bush Notary Public
My Commission Expires September 27, 2020

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.

08/15/2014

700530P
2 letters

Mike Ross Inc.

(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

May 7, 2014

Wetzel Lee McCoy
948 Trace Run
Gassaway, WV 26624

Re: Belknap, Dewey #1 Plugging Permit

Dear Wetzel:

Mike Ross Inc. is in the process of applying for a permit to plug the above referenced well. Enclosed are copies of the Notice and Application for well plugging permits and the location plats.

Please note the instructions on the surface owner waiver. If you have no objection to the plugging being done, please sign the waiver and return it to our office.

If you have any questions, please do not hesitate to contact this office.

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Thank you,

Mike Ross

Mike Ross Inc.

7011 2000 0001 2588 0296

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Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 6.90	

Sent To: Wetzel Lee McCoy ✓
Street, Apt. No., or PO Box No.: 948 Trace Run
City, State, ZIP+4: Gassaway, WV 26624

PS Form 3800, August 2006 See Reverse for Instructions

WV Department of Environmental Protection

08/15/2014

2 letters
700530P

Mike Ross Inc.

(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

May 7, 2014

John Lee McCoy
3722 Scenic Highway
Summersville, WV 26651

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Dear John:

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If you have any questions, please do not hesitate to contact this office. Office of Oil and Gas

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Thank you,

Mike Ross Inc.

WV Department of
Environmental Protection

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(Domestic Mail Only; No Insurance Coverage Provided)			
For delivery information visit our website at www.usps.com			
OFFICIAL USE			
Postage	\$ 0.90	5/9/14 Postmark Here	
Certified Fee	3.30		
Return Receipt Fee (Endorsement Required)	2.70		
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$ 6.90		
Sent To		John Lee McCoy ✓	
Street, Apt. No., or PO Box No.		3722 Scenic Highway	
City, State, ZIP+4		Summersville, WV 26651	

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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 Ross & Wharton (Mike Ross Inc.) OP Code 305680

Watershed _____ Quadrangle Glenville

Elevation 1080 County Braxton District Otter

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? ~~No~~ YES . 20MIL.

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 _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

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 *Mike Ross*

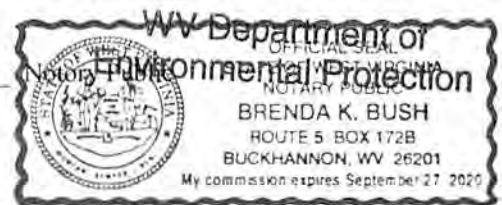
Company Official (Typed Name) Mike Ross

Company Official Title President

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Subscribed and sworn before me this 22nd day of April, 2014 MAY 12 2014


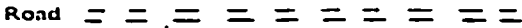
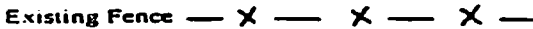



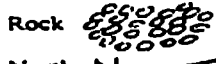




Brenda K Bush





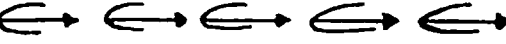
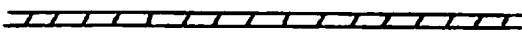


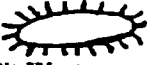
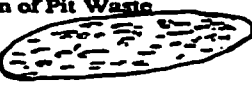


My commission expires September 27, 2020

08/15/2014

LEGEND

- Property Boundary 
- Road 
- Existing Fence 
- Planned Fence 
- Stream 
- Open Ditch 
- Rock 
- North 
- Buildings 
- Water wells 
- Drill site 

- Diversion 
- Spring 
- Wet Spot 
- Drain Pipe with size in inches 
- Waterway 
- Cross Drain 
- Artificial Filter Strip 
- Pit: cut walls 
- Pit: compacted fill walls 
- Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 50% lbs/acre (500 lbs minimum)

Mulch _____ Tons/acre

Seed Mixtures

Seed Type	Area I		Area II	
	Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue				
Contractors Mix				

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Dwight O'Hearn

Comments: _____

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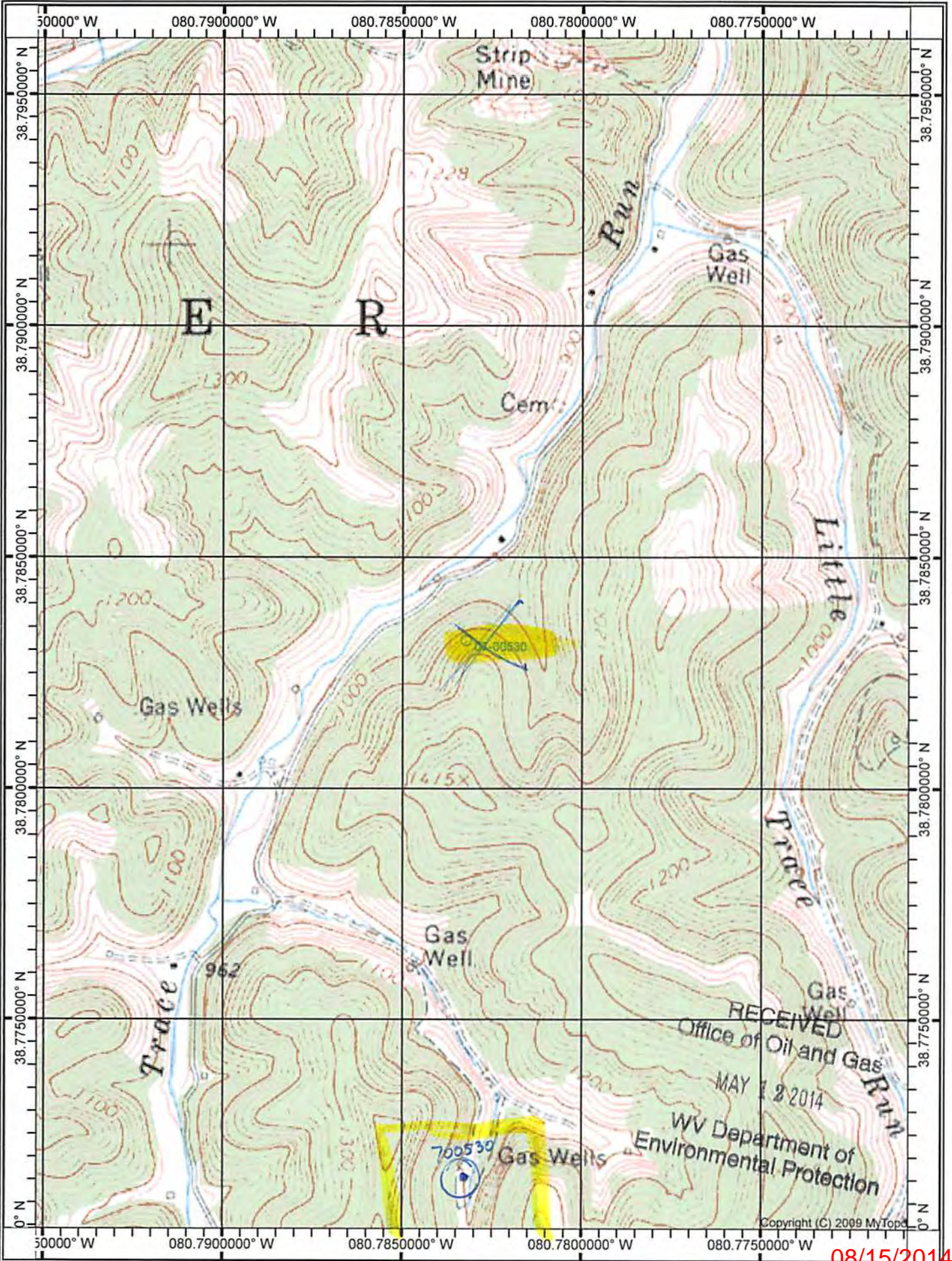
Title: President

Date: April 1, 2014

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Field Reviewed? () Yes (X) No

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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-007-00530 WELL NO.: 1

FARM NAME: Belknap, Dewey

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Otter 3

QUADRANGLE: Glenville 372

SURFACE OWNER: Wetzel Lee McCoy, John Lee McCoy

ROYALTY OWNER: Dewey Belknap

UTM GPS NORTHING: 4291439.7

UTM GPS EASTING: 518830.6 GPS ELEVATION: 1080

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____; Post Processed Differential _____
Real-Time Differential _____

Mapping Grade GPS _____; Post Processed Differential _____
Real-Time Differential _____

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4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations prescribed by the Office of Oil and Gas.

Signature Title Date
President April 1, 2014

08/15/2014