



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Monday, May 15, 2017
WELL WORK PERMIT
Vertical / Plugging

ROSS AND WHARTON GAS COMPANY, INC. (A)
RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re: Permit approval for 1
47-007-00530-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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- 0450.



James A. Martin
Chief

Operator's Well Number: 1
Farm Name: MCCOY, WETZEL LEE & JOHN LEE
U.S. WELL NUMBER: 47-007-00530-00-00
Vertical / Plugging
Date Issued: 5/15/2017

Promoting a healthy environment.

05/19/2017

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 February 16, 2017
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 Danny Mullins
Address 220 Jack Acres Road
Buckhannon, WV 26201
9) Plugging Contractor Name Unknown
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:
2210 - TD *• Pull 2" TUBING IF POSSIBLE, IF NOT, CUT & POOH WITH 2" TUBING.*
Run 6% Gel between each plug
2210 - ~~1990~~ Set Cement Plug *• FREEPOINT 4 1/2" CASING, CUT & POOH.*
1350 - 1250 Set Cement Plug *• SET 100' CLASS A CEMENT PLUG ACROSS 4 1/2" CASING CUT.*
1130 - 1030 Set Cement Plug
200 - 0 Set Cement Plug *COVER 8 1/2" CASING SENT*
Set Monument with API Number

JMM

Free point and pull all casing

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector _____



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Office of Oil and Gas
MAR 06 2017
WV Department of Environmental Protection
Date 3-1-17



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 Har-Ken Oil Company
Address Box 616, Owensboro, Kentucky
Farm Dewey Belknap Acres 55
Location (waters) _____
Well No. One (1) Elev. 1080'
District Otter County Braxton
The surface of tract is owned in fee by Dewey Belknap
Address _____
Mineral rights are owned by Dewey Belknap
Address _____
Drilling commenced October 28, 1962
Drilling completed January 15, 1963
Date Shot _____ From _____ To _____
With _____
Open Flow 1/10ths Water in _____ Inch
1/10ths Merc. in _____ Inch
Volume 100,000 Cu. Ft.
Rock Pressure 220 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED Yes
WELL FRACTURED Yes

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
13			
10			Size of
8 5/8" 8 5/8"	197	Pulled	Depth set
7" 7"	987	Pulled	
4 1/2" 4 1/2"	1940		
3			Perf. top
2	2087		Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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						



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(over)

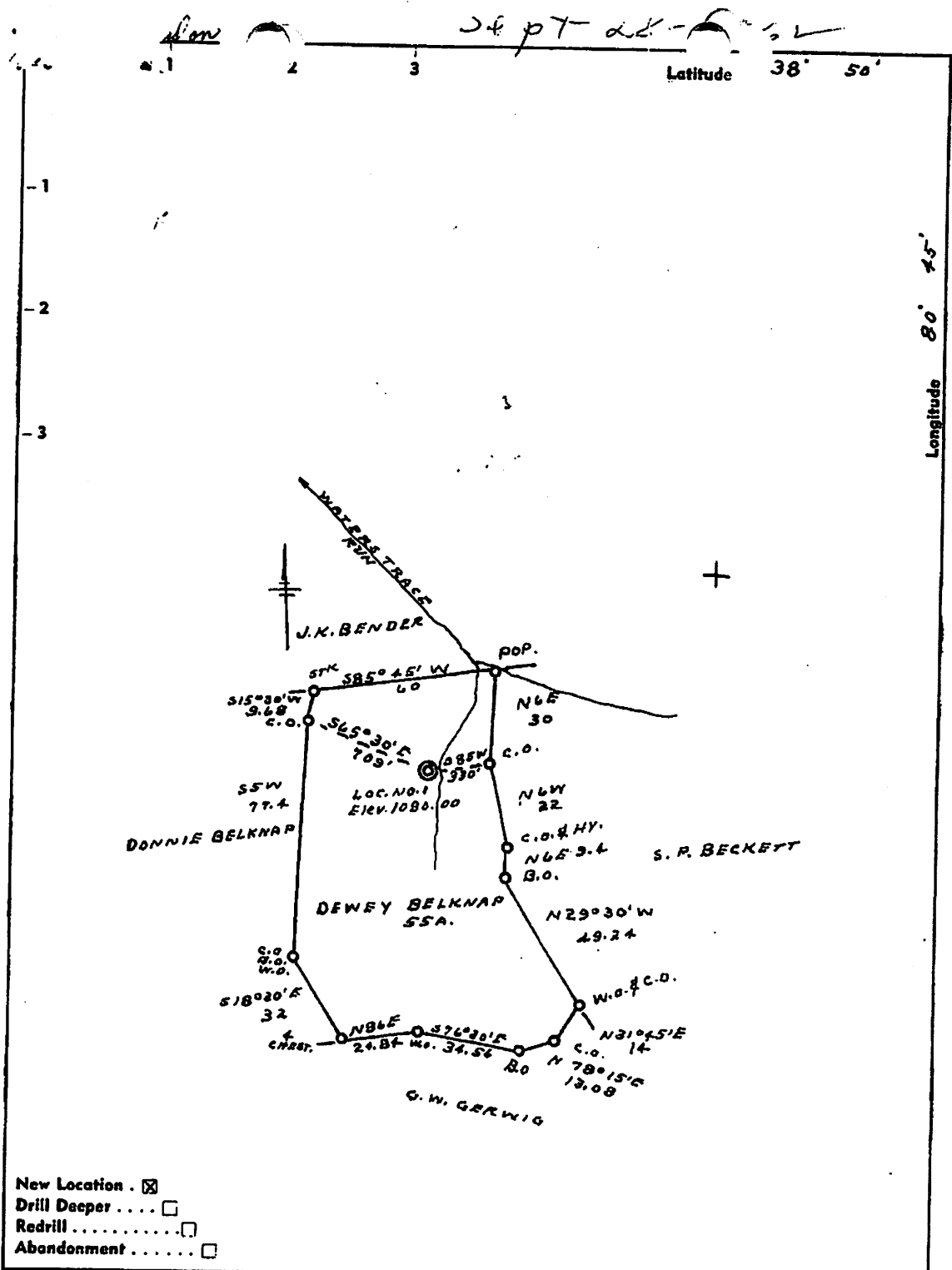
Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
926-964	Slate & Shells						
964-975	Sand						
975-1045	Slate & Shells						
1045-1062	Dark Lime						
1062-1135	Hard Lime Shells						
1135-1160	Sand						
1160-1250	Slate & Shells						
1250-1290	Gray Gritty Lime						
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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Office of Oil and Gas

MAR 06 2017

Date _____ 19____
 APPROVED _____
 By _____
 WV Department of
 Environmental Protection
 (Title)

05/19/2017



- New Location .
- Drill Deeper
- Redrill
- Abandonment

Company HAR-KEN OIL CO.
 Address BOX 616 OWENSBORO KY.
 Farm DEWEY BELKNAP
 Tract _____ Acres 55 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1080.00
 Quadrangle GLENNVILLE
 County BRAXTON District OTTER
 Engineer G. J. Dyke
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 8-13-62 Scale 1" = 40 FEET

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

WELL LOCATION MAP
 FILE NO. BRAX-530 RECEIVED
 Office of Oil and Gas

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

- Denotes one inch spaces on border lines of original tracing.

RECEIVED
 Office of Oil and Gas
 06 2017
 WV Department of
 Environmental Protection

700530P

WW-4A
Revised 6-07

1) Date: February 16, 2017
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>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres Road</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-932-6844</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 reverses side. However, you are not required to take any action at all.

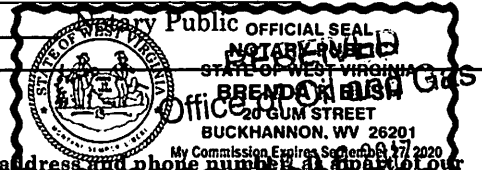
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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.

Well Operator Ross & Wharton (Mike Ross Inc.)
 By: Mike Ross
 Its: President
 Address PO Box 219
Coalton, WV 26257
 Telephone 304-472-4289

Subscribed and sworn before me this 16th day of February, 2017

Brenda K. Bush

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, for 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.

WV Department of Environmental Protection
05/19/2017

Mike Ross Inc.

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

February 15, 2017

John Lee McCoy
3722 Scenic Highway
Summersville, WV 26651

Re: Belknap, Dewey #1 Plugging Permit

Dear John:

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.

Thank you,



Mike Ross Inc.

7016 2140 0001 1545 5604

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CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	\$ 3.35
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 2.75
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 0.88
Total Postage and Fees	\$ 6.98
Sent To	John Lee McCoy 3722 Scenic Highway Summersville, WV 26651

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Office of Oil and Gas
Postmark Here
MAR 06 2017
WV Department of Environmental Protection
3/21/17

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

700530P

Mike Ross Inc.

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

February 15, 2017

Wetzel Lee McCoy
948 Trace Run
Gassaway, WV 26624

Re: Belknap, Dewey #1 Plugging Permit

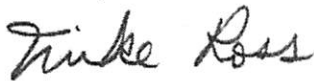
Dear Wetzel:

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.

Thank you,



Mike Ross Inc.

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
<i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$ 3.35	RECEIVED Postmark Here Office of Oil and Gas MAR 08 2017 312117 WV Department of Environmental Protection
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy) \$ 2.15	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$ 0.88	
Total Postage and Fees \$ 6.98	
Wetzel Lee McCoy 948 Trace Run Gassaway, WV 26624	

7016 2140 0001 1545 5561

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? Yes **NO PIT, ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFFSITE, PROPERLY.**

Proposed Disposal Method For Treated Pit Wastes:
NO 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
X 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

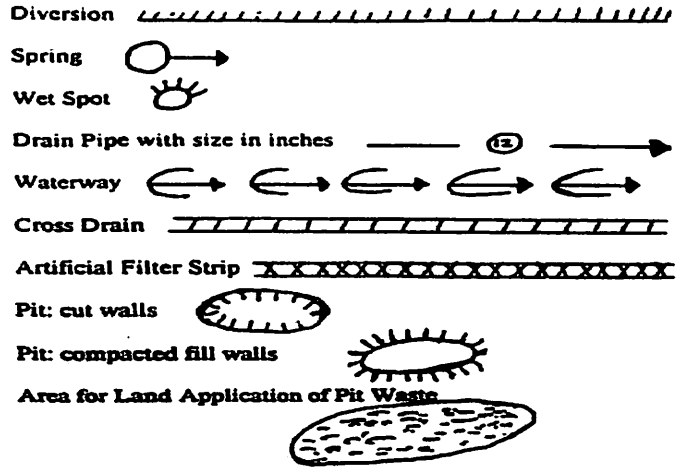
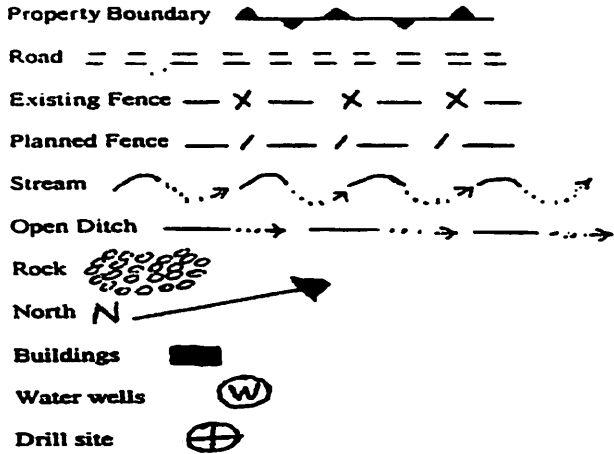
Subscribed and sworn before me this 16th day of February, 2017

Brenda K Bush Notary Public

My commission expires September 27, 2020



LEGEND



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 lbs/acre	Seed Type	Area II 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: _____

Comments: _____

Title: President

Date: February 16, 2017

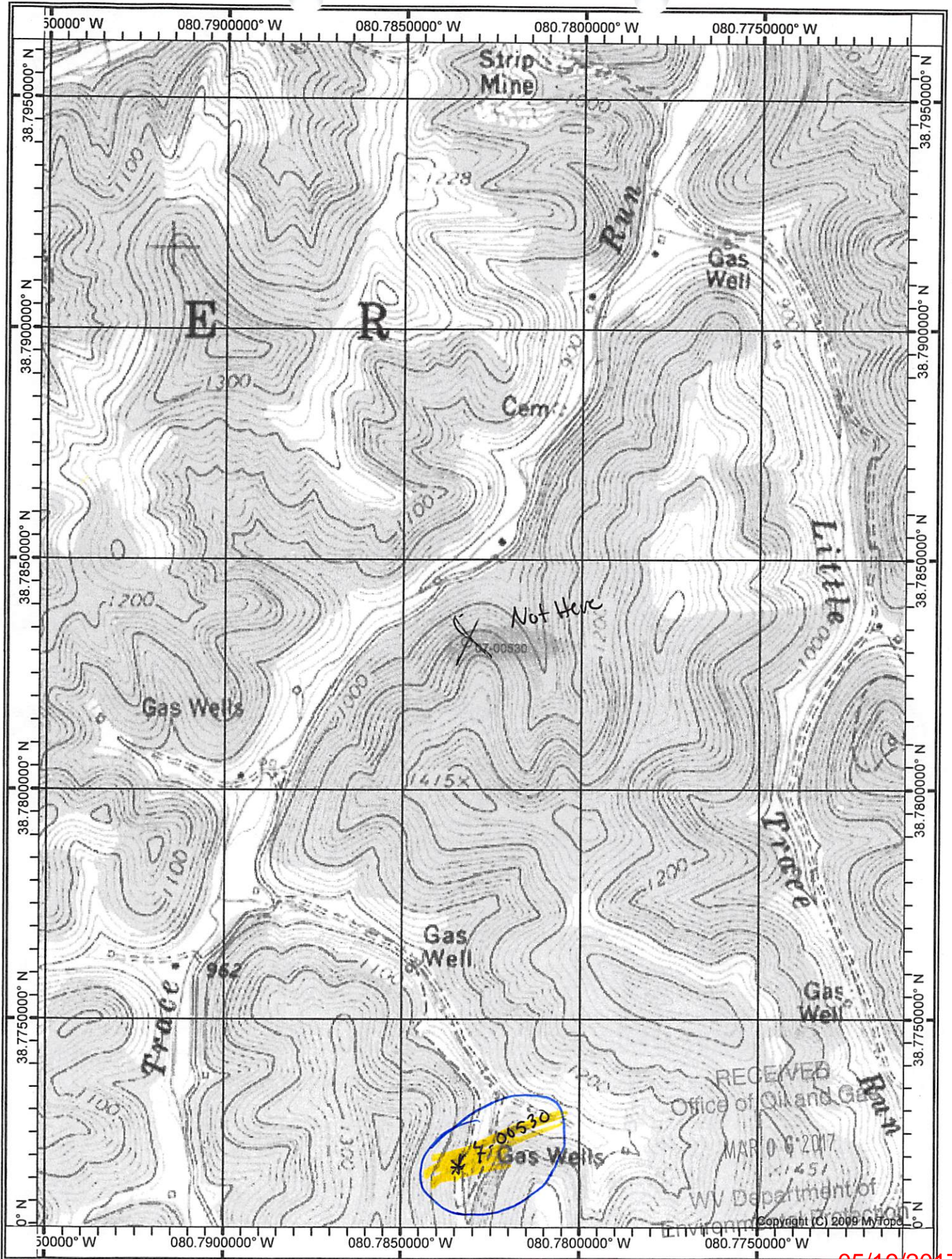
Field Reviewed? () Yes () No

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Office of Oil and Gas

MAR 06 2017

WV Department of
Environmental Protection

700530P



05/19/2017



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
QUADRANGLE: Glenville
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 ____

4. Letter size copy of the topography map showing the well location, and Gas

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 issued and prescribed by the Office of Oil and Gas.

Mike Ross
Signature

President
Title

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Office of Oil and Gas
April 1, 2014
Date
Department of Environmental Protection

5/12/17