



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

September 05, 2014

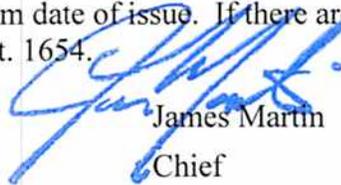
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-701557, 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-S-48
Farm Name: MOLLOHAN, DON C. & PAMELA
API Well Number: 47-701557
Permit Type: Plugging
Date Issued: 09/05/2014

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. 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. Mollohan 1-S-48
3) API Well No. 47-007 - 01557

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 1280 Watershed West Fork
District Birch County Braxton Quadrangle Gassaway

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
Bryan Harris
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:
2240 - TD
Run 6% Gel between each plug
2240 - 2000 Set Cement Plug
1550 - 1450 Set Cement Plug
1330 - 1230 Set Cement Plug
271' - 171' SET CEMENT PLUG (8 5/8" CASING)
100 - 0 Set Cement Plug
Set Monument with API Number

LOAD HOLE WITH GEL,
(FRESH WATER WITH AT LEAST
6% BENTONITE, BY WEIGHT) SO
ENTIRE WELL BORE IS FILLED
WITH GEL OR CEMENT PLUGS.
★ FINGERPOINT 4 1/2", CUT & PULL. ★
(1700')?
CEMENT PLUGS MUST BE
CLASS A CEMENT WITH NO
MORE THAN 3% CaCl2 AND
NO OTHER ADDITIVES.

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

Work order approved by inspector Bryan O' Harris

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Office of Oil and Gas
MAY 12 2014
WV Department of
Environmental Protection



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

WELL RECORD

Quadrangle Gassaway
Permit No. 47-007-1557

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Stonestreet Lands Company
Address P.O. BOX 350
Farm Mollohan Acres 30
Location (waters) West Fork
Well No. 1-S-48 Elev. 1280
District Birch County Braxton
The surface of tract is owned in fee by Don C. Mollohan
Address Sutton WV
Mineral rights are owned by Don Mollohan and Pamela Mollohan Sutton WV
Drilling commenced 12-8-80
Drilling completed 12-12-80
Initial open flow 200,000 cu. ft. 0 bbls.
Final production 550,000 cu. ft. per day 0 bbls.
Well open 5 hrs. before test 540 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			60 Sks
Cand. 13-10"			
9 5/8			
8 5/8	221	221	
7			
5 1/2			70 Sks Rfc
4 1/2		2240	
3			
2			
Lucers Used			

Well treatment details:
J-266 300 lbs. W-22 20 Gal. F-78 Surfactant
15,000 lbs. 80/100 Sand 15,000 lbs. 20/40 Sand

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water 60 Feet _____ Salt Water _____ Feet _____
Producing Sand Blue Monday, Big Injun Depth 2036-2190

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Not Recorded			0	1200		0 to 1200 not recorded is continued on the back
Shale			1200	1252		
Shale & Sand			1252	1290		
Shale			1290	1310		
Shale & Sand			1310	1366		
Shale			1366	1380		
Salt Sand			1380	1422		
Shale			1422	1622		
Salt Sand			1622	1680		
Shale			1680	1690		
Salt Sand			1690	1704		
Shale			1704	1726		
Salt Sand			1726	1756		
Shale			1756	1766		
Salt Sand			1766	1814		
Shale			1814	1840		
Salt Sand			1840	1932		
Shale			1932	2000		
Salt Sand			2000	2010		
Shale			2010	2024		
Little Lime			2024	2036		

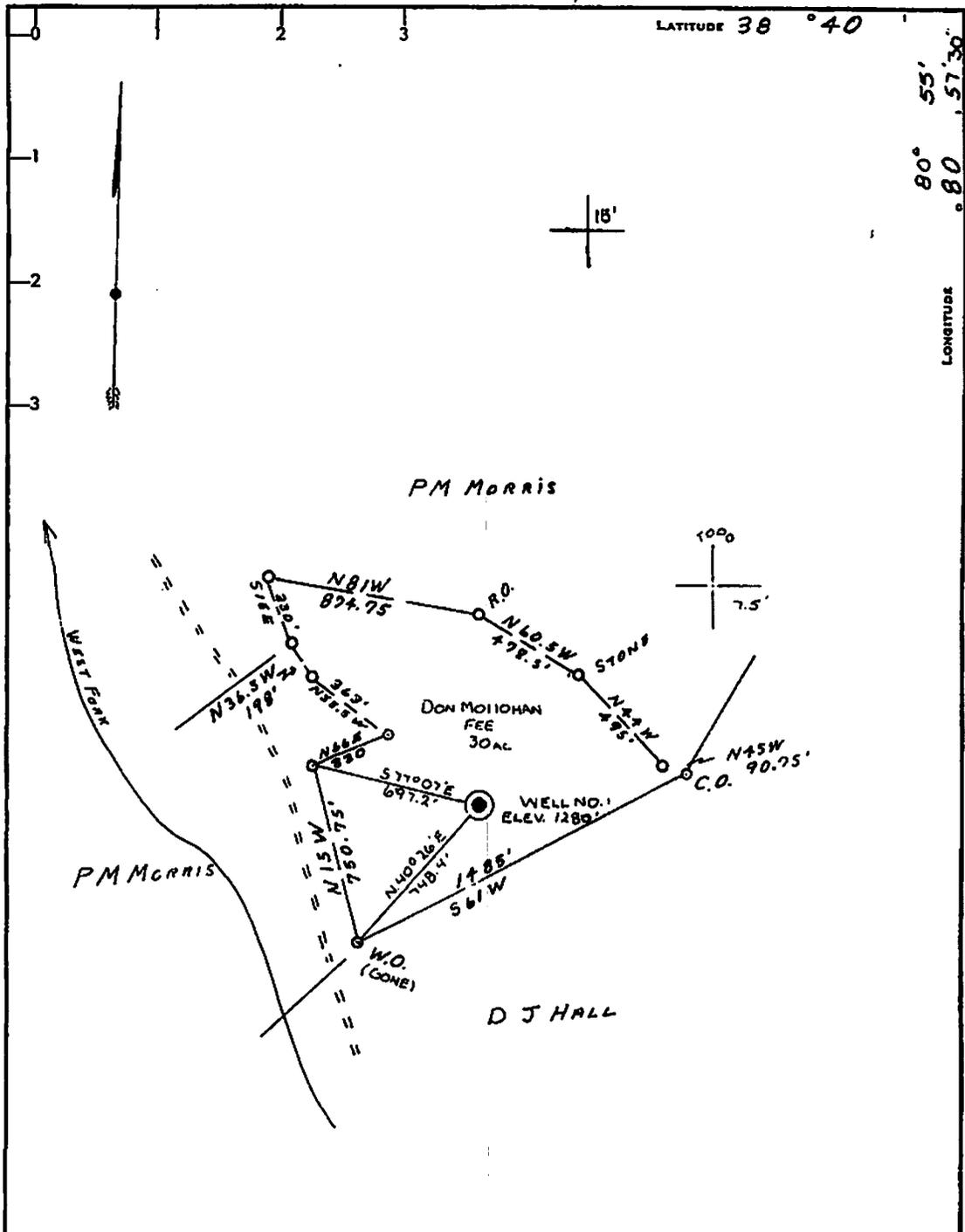
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Formation	Color	Hard or Soft	Top Foot	Bottom Foot	Oil, Gas or Water	Remarks
Blue Monday			2036	2044		
Pencil Cave			2044	2060		
Salt Sand			2060	2086		
Shale			2086	2132		
Big Lime			2132	2182		
Big Injun			2182	2190		
Shale			2190	2240	TD	
Clay			0	65		
Sand & Shale			65	105		
Red Rock			105	165		
Sand & Shale			165	210		
Red Rock			210	240		
Sand & Shale			240	290		
Red Rock			290	320		
Sand & Shale			320	360		
Red Rock			360	420		
Sand & Shale			420	515		
Red Rock			515	625		
Sand & Shale			625	703		
Shale			703	750		
Sand & Shale			750	790		
Shale			790	820		
Sand & Shale			820	875		
Shale			875	923		
Sand & Shale			923	1000		
Shale			1000	1050		
Sand & Shale			1050	1100		
Shale			1100	1150		
Sand & Shale			1150	1200		

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MAY 12 2014

Date: January 19, 2014
 APPROVED: *[Signature]*
 Department of Environmental Protection



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200
 Signed: [Signature], P.E. 4596

COMPANY STONEHART LANDS CO.
 ADDRESS SPENCER W.VA
 FARM DON C. MOLLOHAN - FEE
 MAP _____ ACRES 30 LEASE NO. _____
 WELL (FARM) NO. ONE SERIAL NO. 40
 ELEVATION (SPIRIT LEVEL) 1280
 QUADRANGLE GASSAWAY 15' ROSEDALE 7 1/2'
 COUNTY BAXTON DISTRICT BIRCH
 POINT OF PROVEN ELEVATION ELMIRA - 1025
 FILE NO. DON MOLLOHAN DRAWING NO. _____
 DATE 10-13-29 SCALE 1" = 500' = 0

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

WELL LOCATION MAP RECEIVED
 FILE NO. D07-1557 Office of Oil and Gas
 MAY 18 2014

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 25,000. LATITUDE AND LONGITUDE BEING REPRESENTED BY BORDER LINES AS SHOWN.
 - DENOTES ONE INCH SPACES ON BORDER LINES OF ORIGINAL TRACINGS.

2327 Big Inland Department of Environmental Protection

7 01557 P

WW-4A
Revised 6-07

1) Date: April 1, 2014
2) Operator's Well Number
Mollohan 1-S-48
3) API Well No.: 47 - 007 - 01557

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>Don C. Mollohan &/or Pamela</u>	Name <u>N/A</u>
Address <u>HC 71 Box 590</u> ✓	Address _____
<u>Duck, WV 25063</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</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 2628</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 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 22nd day of April, 2014
Brenda K. Bush
 My Commission Expires September 27, 2020
 Notary Public

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 Office of Oil and Gas
 MAY 12 2014

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 its 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.

701557P

Mike Ross Inc.

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

May 7, 2014

Don &/or Pam Mollohan
HC 71 Box 590
Duck, WV 25063

Re: Mollohan 1-S-48 Plugging Permit

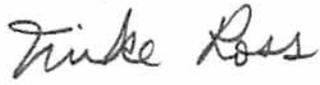
Dear Don &/or Pamela:

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.

7011 2000 0001 2568 0227

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at www.usps.com ®	
OFFICIAL USE	
Postage	\$ 0.90
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.90
Sent To	Don C. & Pamela Mollohan
Street, Apt. No., or PO Box No.	HC 71 Box 590
City, State, ZIP+4	Duck, WV 25063
PS Form 3800, August 2006	
See Reverse for Instructions	

5/9/14
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Postmark
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WV Department of
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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 West Fork Quadrangle Gassaway

Elevation 1280 County Braxton District Birch

Description of anticipated Pit Waste: Plugging Fluid

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

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*

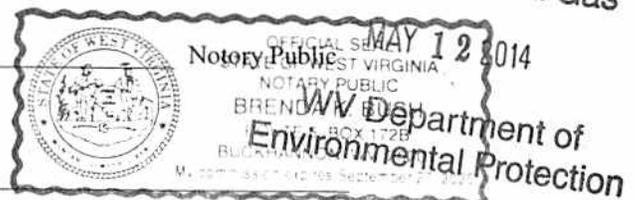
Company Official (Typed Name) Mike Ross

Company Official Title President

Subscribed and sworn before me this 22nd day of April

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Office of Oil and Gas
20 14

Brenda K. Bush



My commission expires September 27, 2020

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
	lbs/acre	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: Bryan O'Hara 5-7-14

Comments: _____

Title: President

Date: April 1, 2014

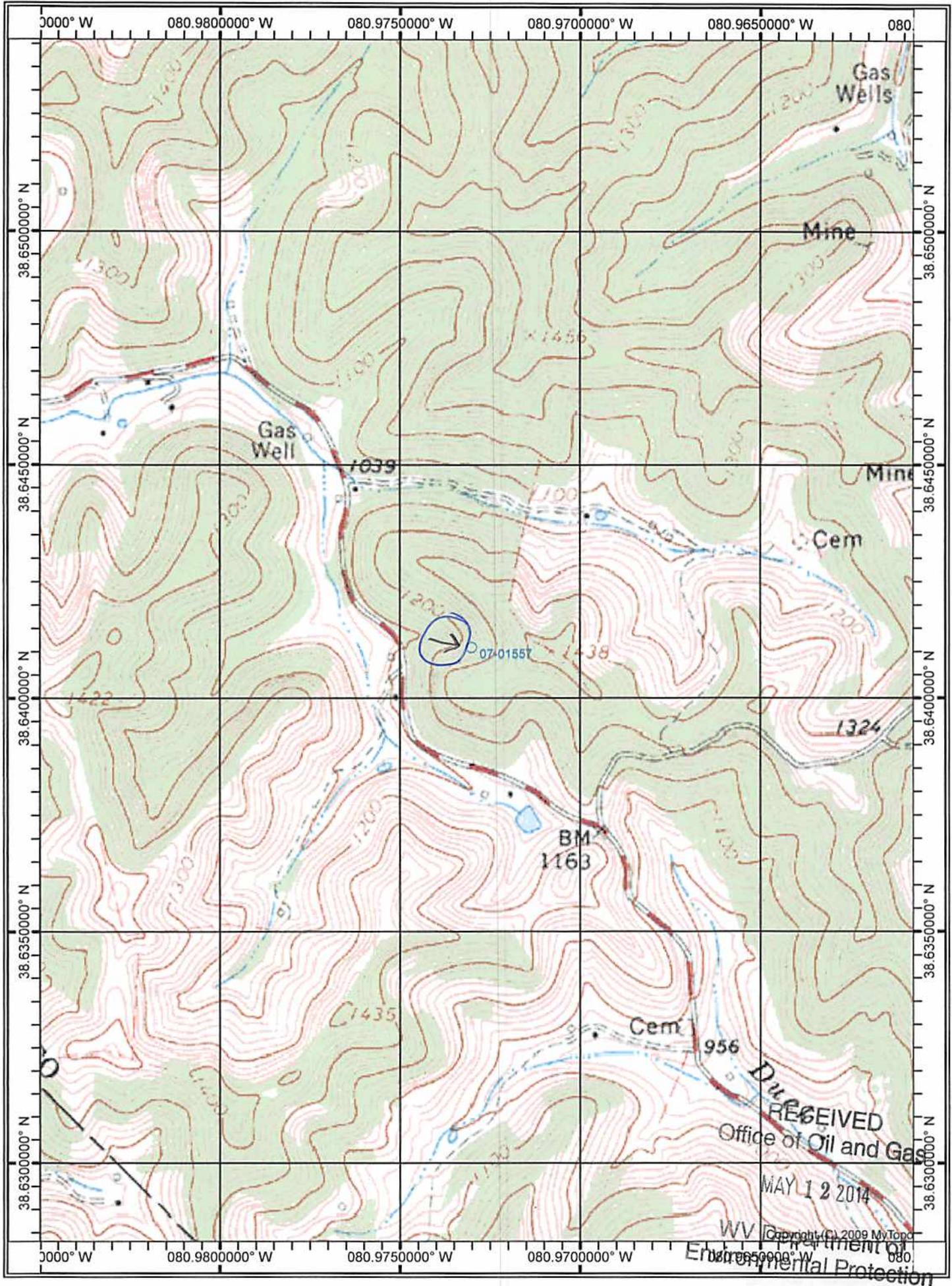
Field Reviewed? Yes No

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MAY 12 2014

WV Department of
Environmental Protection

701557 P



WW-7
8-30-06



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

API: 47-007-01557 WELL NO.: 1-S-48

FARM NAME: Mollohan

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Birch 1

QUADRANGLE: Gassaway 360

SURFACE OWNER: Don C. Mollohan &/or Pamela

ROYALTY OWNER: Don C. Mollohan &/or Pamela

UTM GPS NORTHING: 4276951.8

UTM GPS EASTING: 502344.4 GPS ELEVATION: 1280

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

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
WV Department of Environmental Protection
Date