



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

December 12, 2013

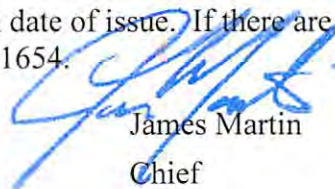
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9501050, issued to GASTAR EXPLORATION USA, 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: JOHN SECKMAN NO. 1

Farm Name: WEESE, EVERETT R.

API Well Number: 47-9501050

Permit Type: Plugging

Date Issued: 12/12/2013

Promoting a healthy environment.

12/13/2013

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. 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.
2. Well work activities shall not constitute a hazard to the safety of persons.

1) Date: October 4, 2013
2) Operator's Well Number John Seckman No.1
3) API Well No: 47 - 095 - 1050
State County Permit

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 X Gas X Liquid Injection _____ Waste Disposal _____
(If "Gas", Production _____ Underground Storage _____) Deep _____ Shallow X
5) LOCATION: Elevation: 710' Watershed: McElroy Creek
District: McElroy County: Tyler Quadrangle Shirley 7.5'
6) WELL OPERATOR: Gastar Exploration, Ltd. 494487685 7) DESIGNATED AGENT Mike McCown
Address 229 W. Main St., Suite 301 Address 229 W. Main St., Suite 301
Clarksburg, WV 26301 Clarksburg, WV 26301
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR
Name Joe Taylor Name _____
Address 497 Claylick Road Address _____
Ripley, WV 25271

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

<u>CASING</u>
Unknown
<u>LINERS</u>

TD- 1818 Coal: NA
Gel 1818 - 1750
Plug No. 1 1750 - 1600
Freepoint, Cut & Pull Production Casing at 700' (Est.)
Plug No. 2 750 - 650
Plug No. 3 350 - 250
Freepoint, Cut & Pull Surface Casing (if present) at 100' (Est.)
Plug No. 4 150 - Surface

NOTES:

Free point, cut and pull all casing strings present. Place 100 ft. cement plug at bottom of any casing left in well.
Fill Well Bore with 6% Gel Between all Cement Plugs
Erect Monument with API No.

CEMENT PLUGS MUST BE A MINIMUM OF 100'
OF CLASS A CEMENT WITH NO MORE THAN
3% CaCl₂ AND NO OTHER ADDITIVES.

Received
NOV 6 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

Inspector 24 hours before permitted work can commence.

Work order approved by Inspector [Signature] Date 10-28-13

WELL RECORD

Operator: Gastar Exploration, Ltd.
229 West Main Street
Clarksburg, WV 26301
(304) 622-4796

Well: John Seckman No.1

API 47-095- 1050

Latitude: 39°25'36.2"

UTM Coordinates (NAD 1983)

Longitude: 80°48'33.3"

Northing: 4,364,159

Elevation: 710

Easting: 516,432

TD: 1,818

Casing Record

Producing Formation: Big Injun

Not Available

Spud Date: 2/25/1896

Completion Date: 3/27/1896

Well Log

Not Available

Received

NOV 6

Office of Oil and Gas
 WV Dept. of Environmental Protection

CK 35127
10000

1) Date: October 4, 2013
2) Operator's Well Number
John Seckman No.1
3) API Well No: 47 - 095 - 1050
State County Permit

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:
(a) Name Everett R. Weese ✓
Address H.C. 74, Box 92
Alma, WV 26320
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Joe Taylor
Address 497 Claylick Road
Ripley, WV 25271
Telephone 304-380-7469

5) (a) Coal Operator:
Name NA
Address _____
(b) Coal Owner(s) with Declaration
Name NA
Address _____
Name _____
Address _____
NA
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) 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 and its location and the plugging work order; and
- 2) The plat (surveyor's map) showing the well location on Form WW-6

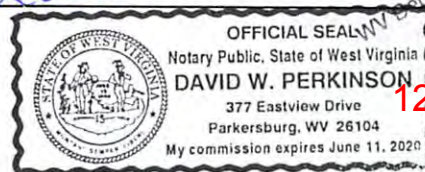
The reason you have received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

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.

Well Operator Gastar Exploration, Ltd.
By: Mike McCown Mike McCown
Its: COO & Designated Agent
Address 229 W. Main St., Suite 301
Clarksburg, WV 26301
Telephone (304) 622-4796

Subscribed and sworn before me this 4th day of October, 2013
David W. Perkins Notary Public
My Commission Expires June 11, 2020

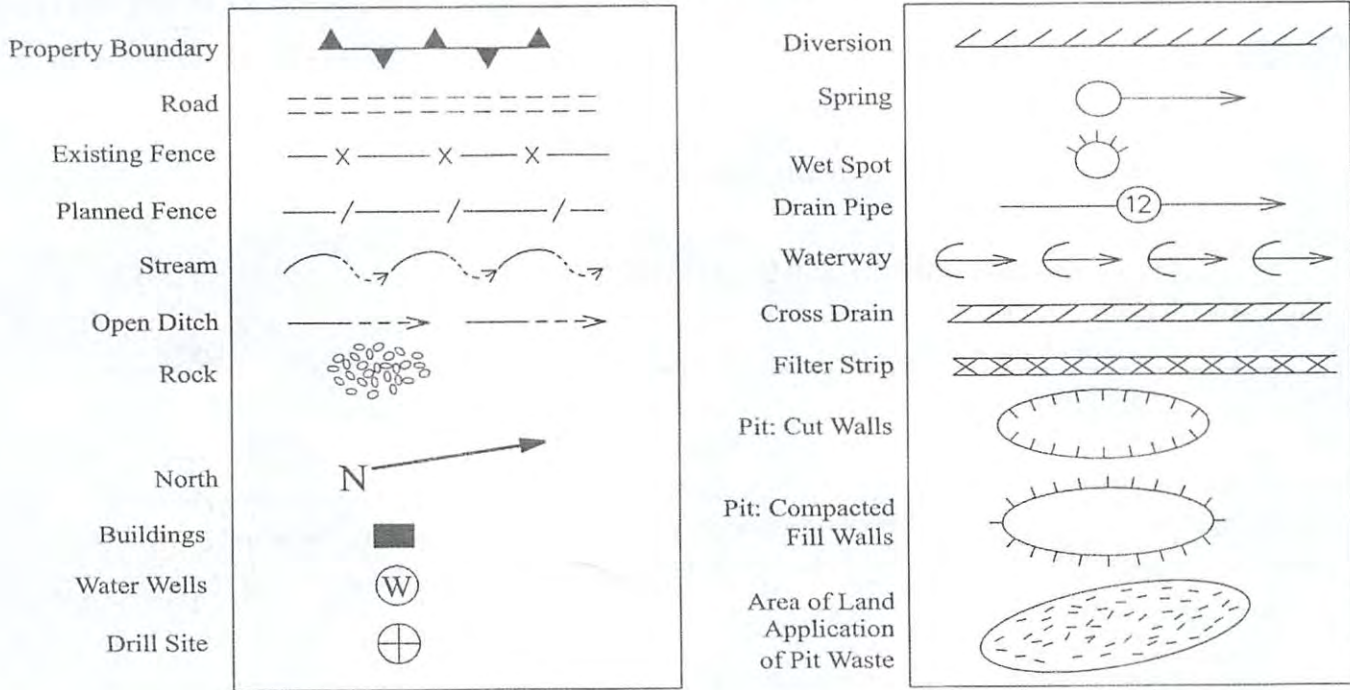
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12/13/2013

Office of Oil and Gas
Dept. of Environmental Protection

Legend



Proposed Revegetation Treatment: Acres Disturbed Area I Approx. 0.2 Ac. Prevegetation pH _____

Area II Approx. 0.1 Ac.

Lime 2 Tons/Acre or Correct to pH 6.5

Fertilizer (10-20-20 or Equivalent) 500 Lbs./Acre (500 lbs. Minimum)

Mulch Straw 2 Tons/Acre

SEED MIXTURES

<u>Area I (Location)</u>		<u>Area II (Road)</u>	
Seed Type	Lbs./Ac.	Seed Type	Lbs./Ac.
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5

Attach:
 Drawing(s) of road, location, pit and proposed area for land application
 Photocopied section of involved 7.5' topographic sheet.

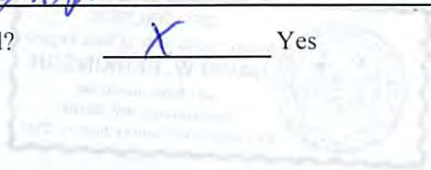
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Plan Approved by: [Signature]

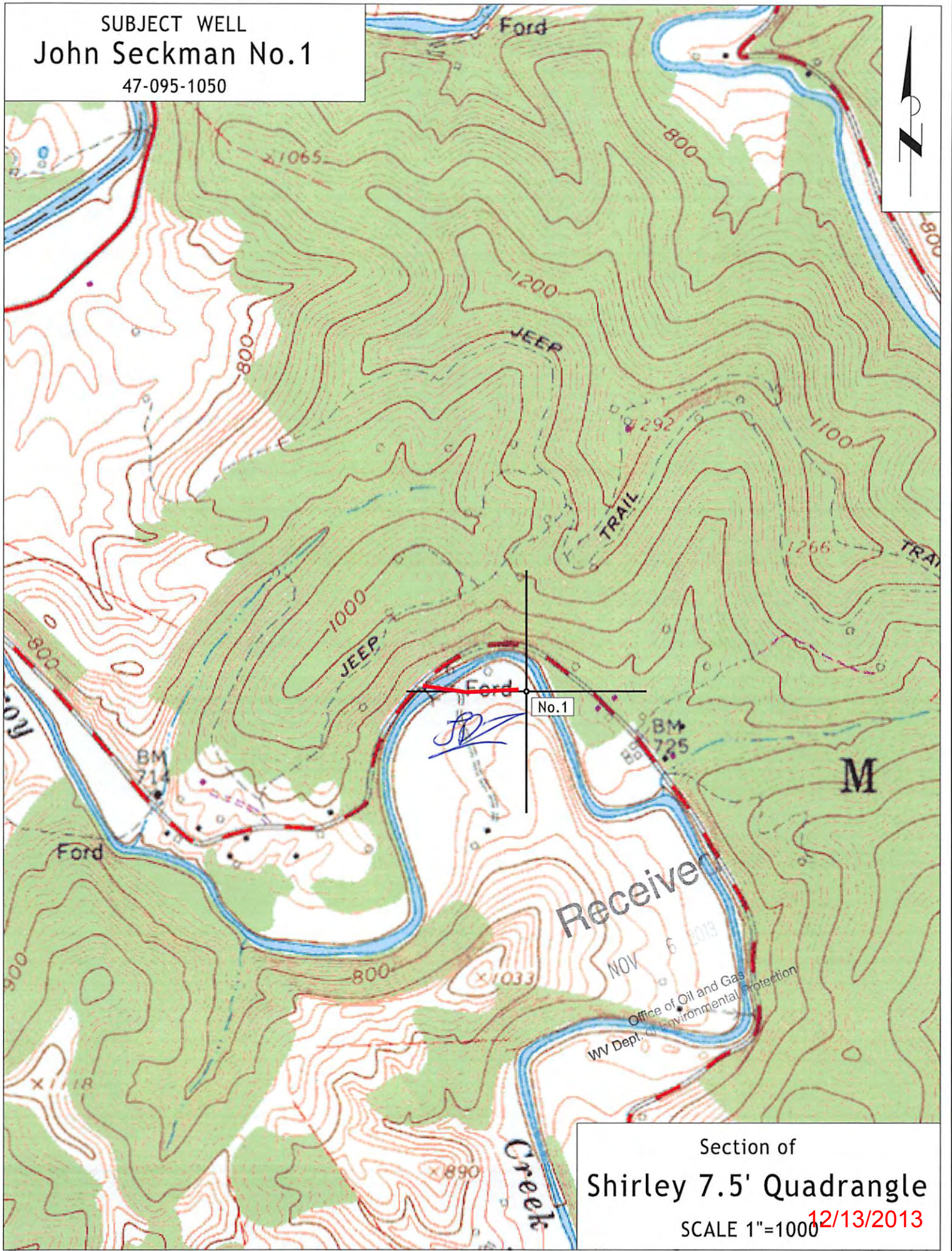
Comments: _____

Title: Inspects Date: 10-25-13

Field Reviewed? X Yes _____ No _____



SUBJECT WELL
John Seckman No.1
47-095-1050



Section of
Shirley 7.5' Quadrangle
SCALE 1"=1000
12/13/2013

West Virginia Department of Environmental Protection
Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47- 095 - 1050 WELL NO: No.1

FARM NAME: John Seckman

RESPONSIBLE PARTY NAME: Gastar Exploration, Ltd.

COUNTY: Tyler DISTRICT: McElroy

QUADRANGLE: Shirley 7.5'

SURFACE OWNER: Everett R. Weese

ROYALTY OWNER: Everett R. Weese

UTM GPS NORTHING: 4,364,159 (NAD 83)

UTM GPS EASTING: 516,432 (NAD 83) GPS ELEVATION: 216 m. (-710')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & 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	<input type="checkbox"/>	Post Processed Differential	<input type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>
Mapping Grade GPS	<input checked="" type="checkbox"/>	Post Processed Differential	<input checked="" type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>

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Office of Oil and Gas
WV Dept. of Environmental Protection

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 McCown
Signature

COO & Designated Agent
Title

October 4, 2013
Date