



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

November 04, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3905961, issued to BLUE CREEK GAS COMPANY, 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: HILL 2
Farm Name: HILL, EARL
API Well Number: 47-3905961
Permit Type: Plugging
Date Issued: 11/04/2015

Promoting a healthy environment.

11/06/2015

✓

1) Date 9-28, 2015
2) Operator's Well No. Hill #2
3) API Well No. 47-39-05961

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 / Liquid injection / Waste disposal /
(If "Gas, Production or Underground storage) Deep / Shallow
- 5) Location: Elevation 935' Watershed Alum Creek
District Jefferson County Kanawha Quadrangle Alum Creek
- 6) Well Operator Blue Creek Gas CO. 7) Designated Agent Steve Rubin
Address 1700 Pennsylvania Ave. Address SAME
Charleston, WV.
- 8) Oil and Gas Inspector to be notified Name Terry Urbin
Address P.O. Box 1209
Clendenin, WV.
- 9) Plugging Contractor Name Duckworth Well Service
Address P.O. box 6871
Charleston, WV.

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

- Cement 2510' - 2410'
- Cement 1975' - 1875'
- Cement 100' at all casing cuts.
- Cement 1500' - 1400'
- Cement 100' - Surface.

Will cover all oil/gas zones with cement

Gell between all plugs
Pull all free pipe
Erect monument with API numbers.

RECEIVED
Office of Oil and Gas
OCT 28 2015

WV Department of
Environmental Protection
24 hours before permitted work can commence.

Work order approved by inspector [Signature] Date 10/19/15

WR-35
Rev (5-01)

DATE: September 6, 2007
API #: 47-039-05961

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Hill

Operator Well No.: HILL #2

LOCATION: Elevation: 935

Quadrangle: ALUM CREEK

District: JEFFERSON County: KANAWHA

Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.

Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Company: BLUE CREEK GAS COMPANY

	Casing & Tubing	Used in drilling	Left in well	Cement fill in Cu. Ft.
Address: 1700 PENNSYLVANIA AVE CHARLESTON, WV				
Agent: STEVEN M. RUBIN	9	332	332	145 SKS
Inspector: CARLOS HIVELY				
Date Permit Issued: JAN 17, 2007	7	1892	1892	185 SKS
Date Well Work Commenced: 6/06/2007				
Date Well Work Completed: 6/22/2007	4.5	2776	2776	126 SKS
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 4266				
Fresh Water Depth (ft.): 120				
Salt Water Depth (ft.): 1235				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

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Office of Oil & Gas
Office of Chief
SEP 07 2007
WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formation BERA-B/O LIME Pay zone depth (ft) 1918-2464

Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 525,000 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 48Hours

Static rock Pressure 550#psig (surface pressure) after 24Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELL BORE.

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OCT 26 2015

WV Department of
Environmental Protection

Signed:

By: Steven M. Rubin
Date: _____

Sept 6, 2007

11/06/2015

WW-4A
Revised 6-07

1) Date: 9-28-15
2) Operator's Well Number Hill #2

3) API Well No.: 47 - 39 - 5861

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>Eqv Hill</u>	Name _____
Address <u>2433 Sean Benny Lane</u>	Address _____
<u>South Charleston</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name _____
<u>Clendenin, WV</u>	Address _____
Telephone <u>290-68877x</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 Blue Creek Gas Co.
 By: Stewie Peppers
 Its: President
 Address 1700 Pennsylvania Ave.
Charleston, WV.
 Telephone 342-0101

RECEIVED
Office of Oil and Gas

Subscribed and sworn before me this 15th day of October, 2015 OCT 26 2015
Melinda L. White Notary Public

My Commission Expires April 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 depprivacyoffier@wv.gov.

11/06/2015

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - WX39 - 05961
Operator's Well No. Hill #2

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 Blue Creek Gas Co. OP Code _____

Watershed Alum Creek Quadrangle Alum Creek

Elevation 935' County Kanawha District Jefferson

Description of anticipated Pit Waste: _____

Will a synthetic liner be used in the pit? _____

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 _____)

NO PIT
TU
10-19-15

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 *Steve Rubin*

Company Official (Typed Name) Steve Rubin

Company Official Title President

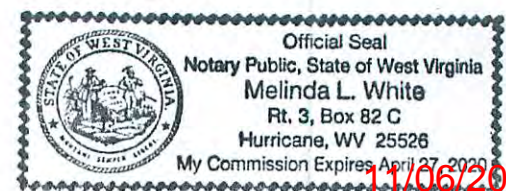
Subscribed and sworn before me this 16th day of October, 2015

Melinda L. White Notary Public

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OCT 26 2015

My commission expires April 27, 2020

WV Department of
Environmental Protection



11/06/2015

Proposed Revegetation Treatment: Acres Disturbed 1/4 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH _____

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

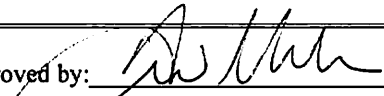
Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I		Seed Type	Area II	
		lbs/acre			lbs/acre
Contractor 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: Insp Oil & Gas

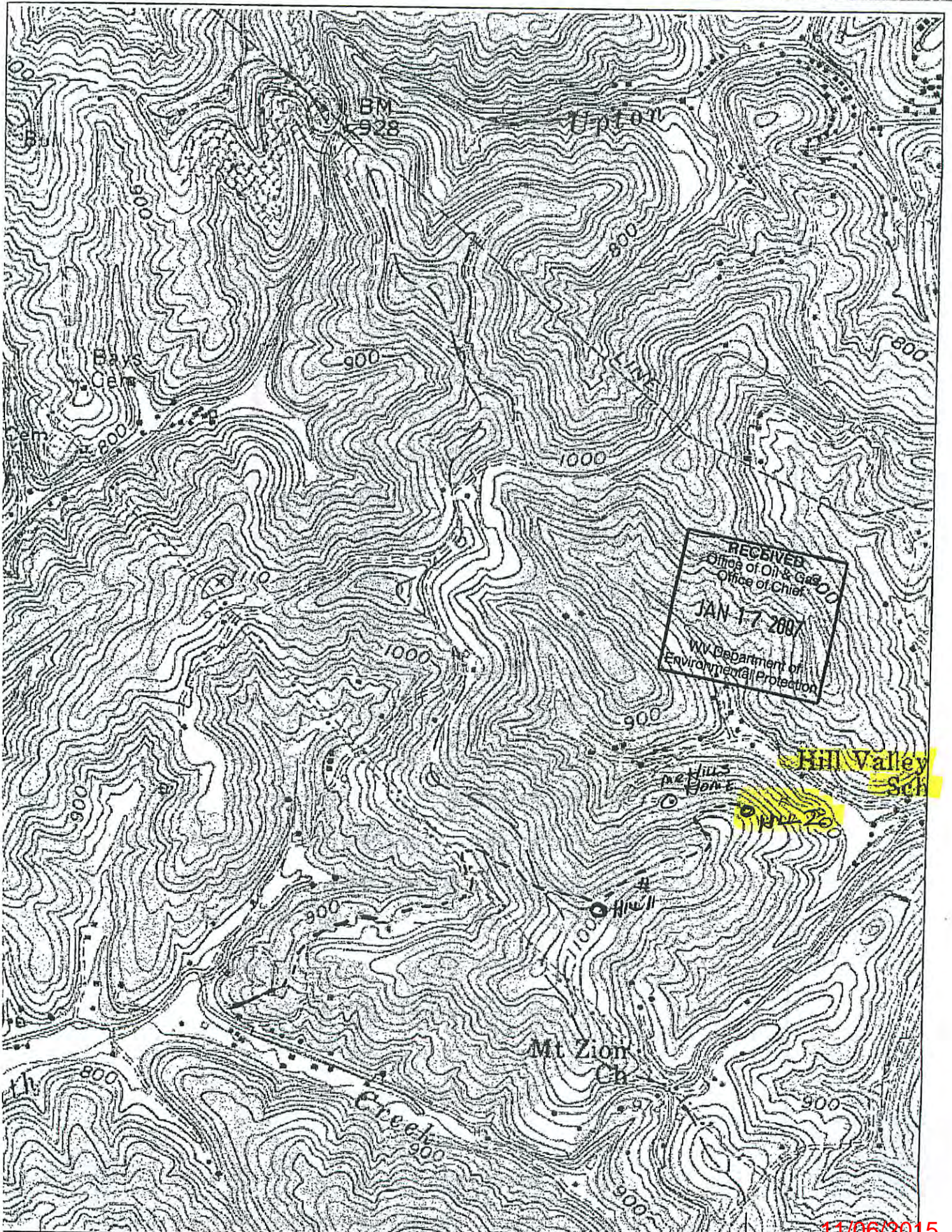
Date: 10-19-15

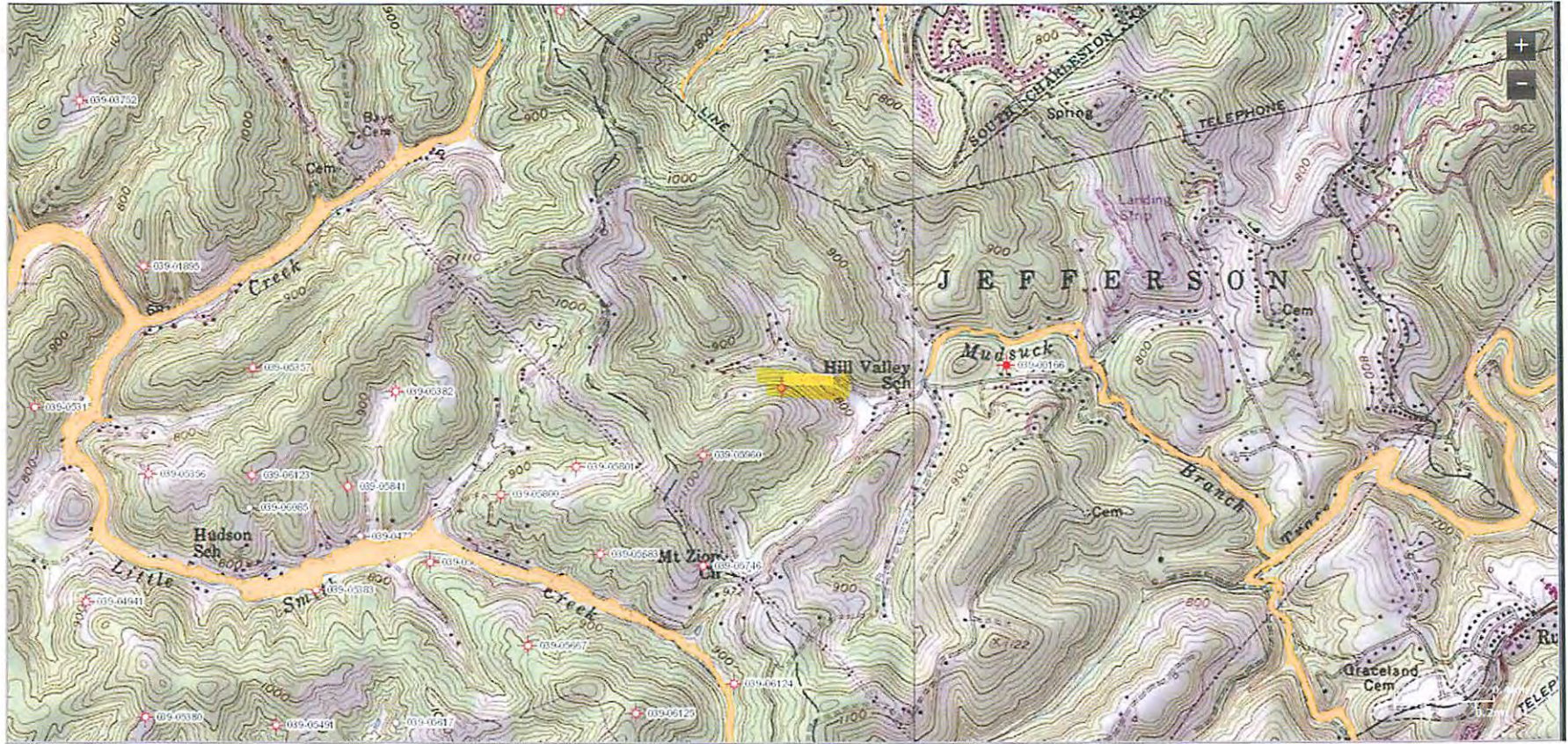
Field Reviewed? Yes No

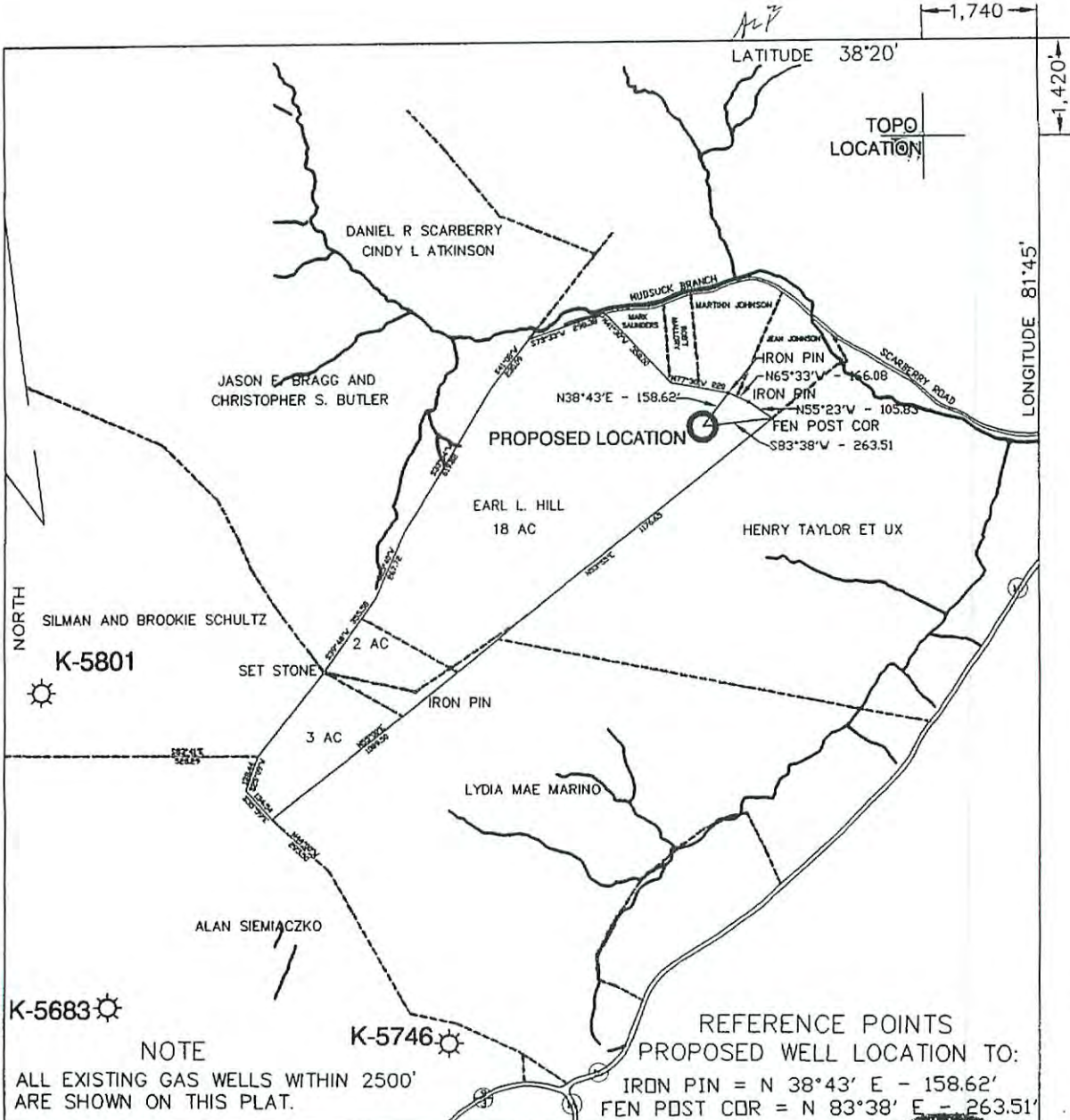
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NOTE: ALL EXISTING GAS WELLS WITHIN 2500' ARE SHOWN ON THIS PLAT.

REFERENCE POINTS PROPOSED WELL LOCATION TO:
 IRON PIN = N 38°43' E - 158.62'
 FEN POST CDR = N 83°38' E - 263.51'

541-2950

FILE NO. EARL L. HILL
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION GPS DATA

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.
 (SIGNED) Karyn J. Berger
 R.P.E. _____ I.L.S. 248



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

DATE DECEMBER 28, 2006
 OPERATOR'S WELL NO. HILL NO. 2
 API WELL NO. 47-039-05961

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 935.5 WATERSHED MUD SUCK FORK
 DISTRICT JEFFERSON COUNTY KANAWHA
 QUADRANGLE ALUM CREEK

SURFACE OWNER EARL L. HILL ACREAGE 25
 OIL & GAS ROYALTY OWNER EARL L. HILL LEASE ACREAGE 25
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

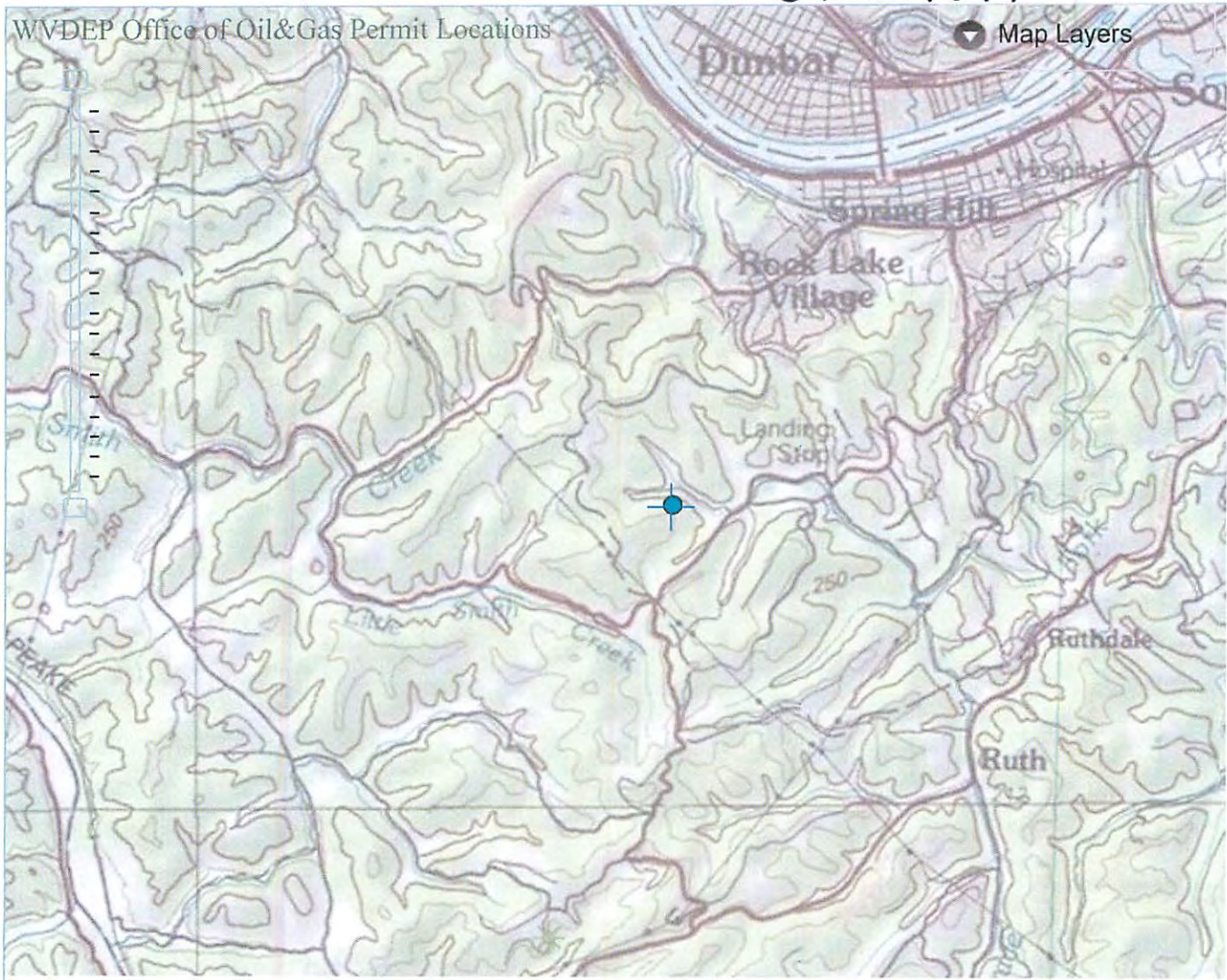
PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4260'
 WELL OPERATOR BLUE CREEK GAS COMPANY DESIGNATED AGENT STEVEN M. RUBIN
 ADDRESS PO BOX 6666 ADDRESS PO BOX 6666
CHARLESTON, WV. 25362 CHARLESTON, WV. 25362

FORM WW-6

COUNTY NAME
 PERMIT

11/06/2015

39-5961P



Attribute Search Results Legend Location Search About

API	Permit Type	Received	Issued	Complete	Operator
039-05961	Plugging	2015-10-26	NA	NA	BLUE CREEK GAS COMPANY
039-05961	Plugging	2015-10-26	NA	NA	BLUE CREEK GAS COMPANY
039-05961	New Well	2007-01-17	2007-01-17	2007-06-22	BLUE CREEK GAS COMPANY





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

API: 47-39-05941 WELL NO.: 2

FARM NAME: Earl Hill

RESPONSIBLE PARTY NAME: Steve Rubin

COUNTY: Kanawha DISTRICT: Jefferson

QUADRANGLE: Alum Creek

SURFACE OWNER: Earl Hill

ROYALTY OWNER: Earl Hill

UTM GPS NORTHING: N38.32941 4242635.153

UTM GPS EASTING: N081.25602 GPS ELEVATION: 935'
433921.026

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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Office of Oil and Gas

OCT 26 2015

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.

Steve Rubin
Signature

Contractor
Title

10-26-15
Date