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 penalities 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

V

WW-4B
Rev. 2/01

1) Date 9-28, 20 15
2) Operator's Well No. Hill 32
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 X / 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.
Address 1700 Pennsylvania Ave.
Charleston, WV.

7) Designated Agent Steve Rubin
Address SAME

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.

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

Will cover all Oil & Gas Zones will Cement

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OCT 26 2015
WV Department of Environmental Protection

Notification must be given to the district oil and gas inspector 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 Raport 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 up Cu. Ft.
Address: 1700 PENNSYLVANIA AVE				
CHARLESTON, WV				
Agent: STEVEN M. RUBIN	9	352	352	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 Chief
SEP 17 2007
WV Department of
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OPEN FLOW DATA

Producing formation BEREA-BIG 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

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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 WELLBORE.

Signed: By: Steven M Rubin
Date: Sept 6, 2007

09/28/2015 13:08 WV DEP WATER AND WASTE MNGT. → 9130434371 42 NO. 337 D06

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 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name Earl Hill
Address 2433 Sean Berry Lane
South Charleston

(b) Name
Address

(c) Name
Address

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

6) Inspector Terry Urban
Address P.O.Box 1207
Clendenin, WV
Telephone 290-6888

(c) Coal Lessee with Declaration
Name
Address

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.

Official Seal
Notary Public, State of West Virginia
Melinda L. White
Rt. 3, Box 82 C
Hurricane, WV 25526
My Commission Expires April 27, 2020

Well Operator Blue Creek Gas Co.
By: Steven Hill
Its: President
Address 1700 Pennsylvania Ave.
Charleston, WV.
Telephone 342-0101

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Office of Oil and Gas
OCT 26 2015
WV Department of
Environmental Protection

Subscribed and sworn before me this 15th day of October, 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.

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? _____.

NO PIT TH 10-19-15

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 _____ Swabbing
_____ Workover __X__ Plugging
_____ Other (Explain _____

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

My commission expires April 27, 2020

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OCT 26 2015
WV Department of
Environmental Protection

Official Seal
Notary Public, State of West Virginia
Melinda L. White
Rt. 3, Box 82 C
Hurricane, WV 25526
My Commission Expires April 27, 2020

Form WW-9

Operator's Well No. 2

Proposed Revegetation Treatment: Acres Disturbed $\frac{1}{4}$ 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

Area I		Area II	
Seed Type	lbs/acre	Seed Type	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: [signature]

Comments: _____

Title: Insp Oil & Gas Date: 10-19-15

Field Reviewed? (✓) Yes ( ) No

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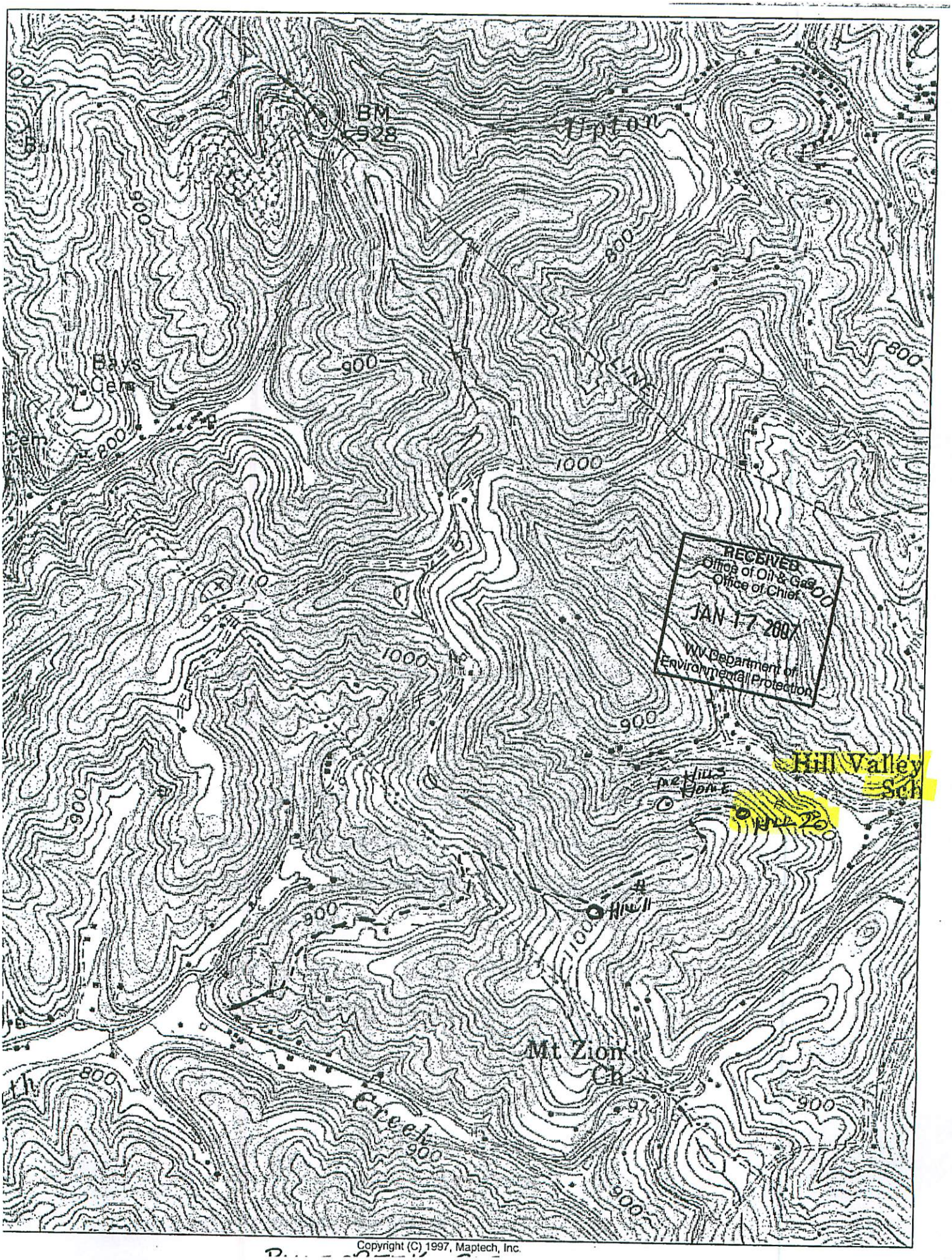

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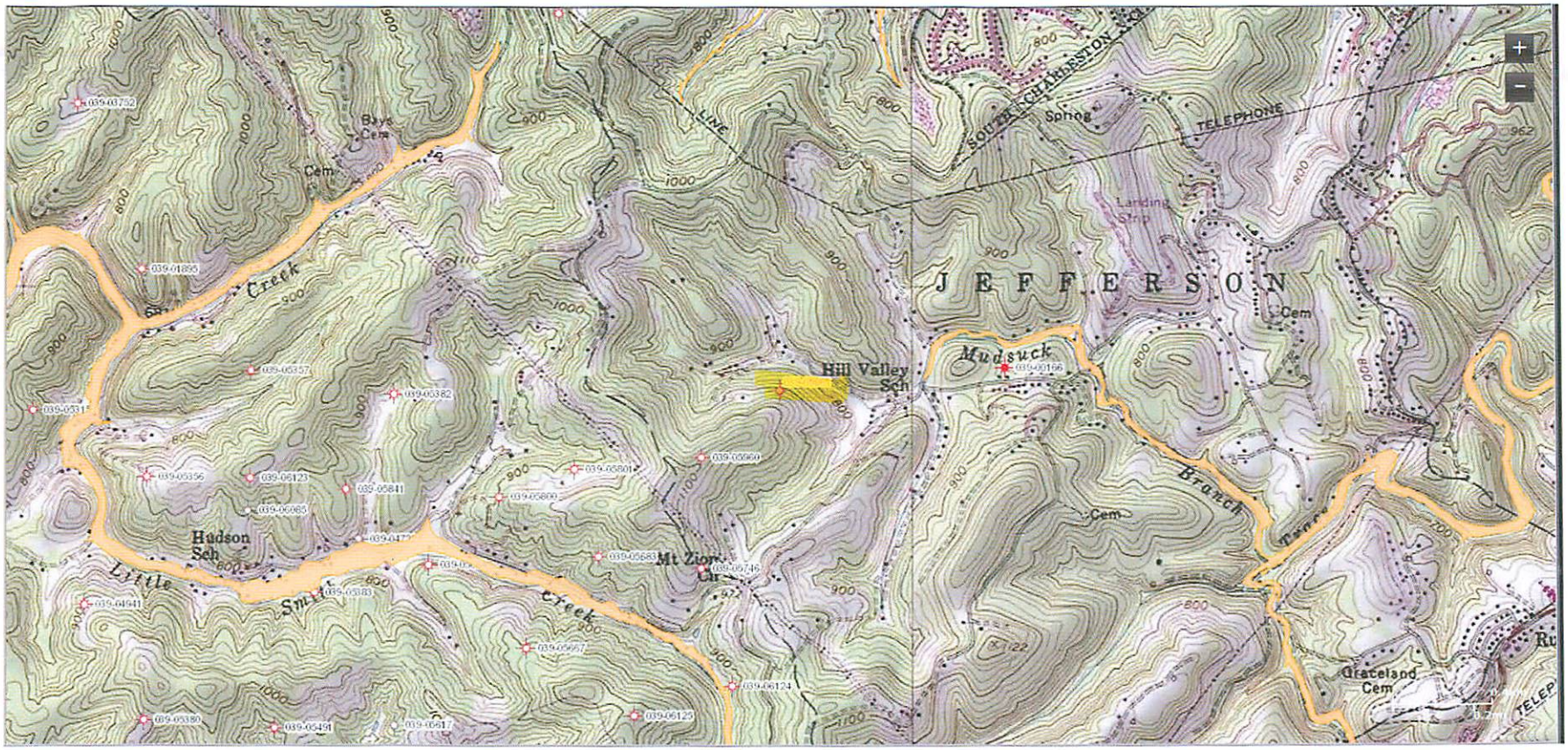

JEFFERSON
Hill Valley Sch
Mudsuck
Branch
Hudson Sch
Little
Creek
Mt Zion Ch
Graceland Cem
Cem
Spring
Landing Strip
TELEPHONE
LINE
SOUTH CHARLESTON
Bays Cem
039-03752
039-01895
039-05357
039-05382
039-05531
039-05356
039-06123
039-05841
039-06085
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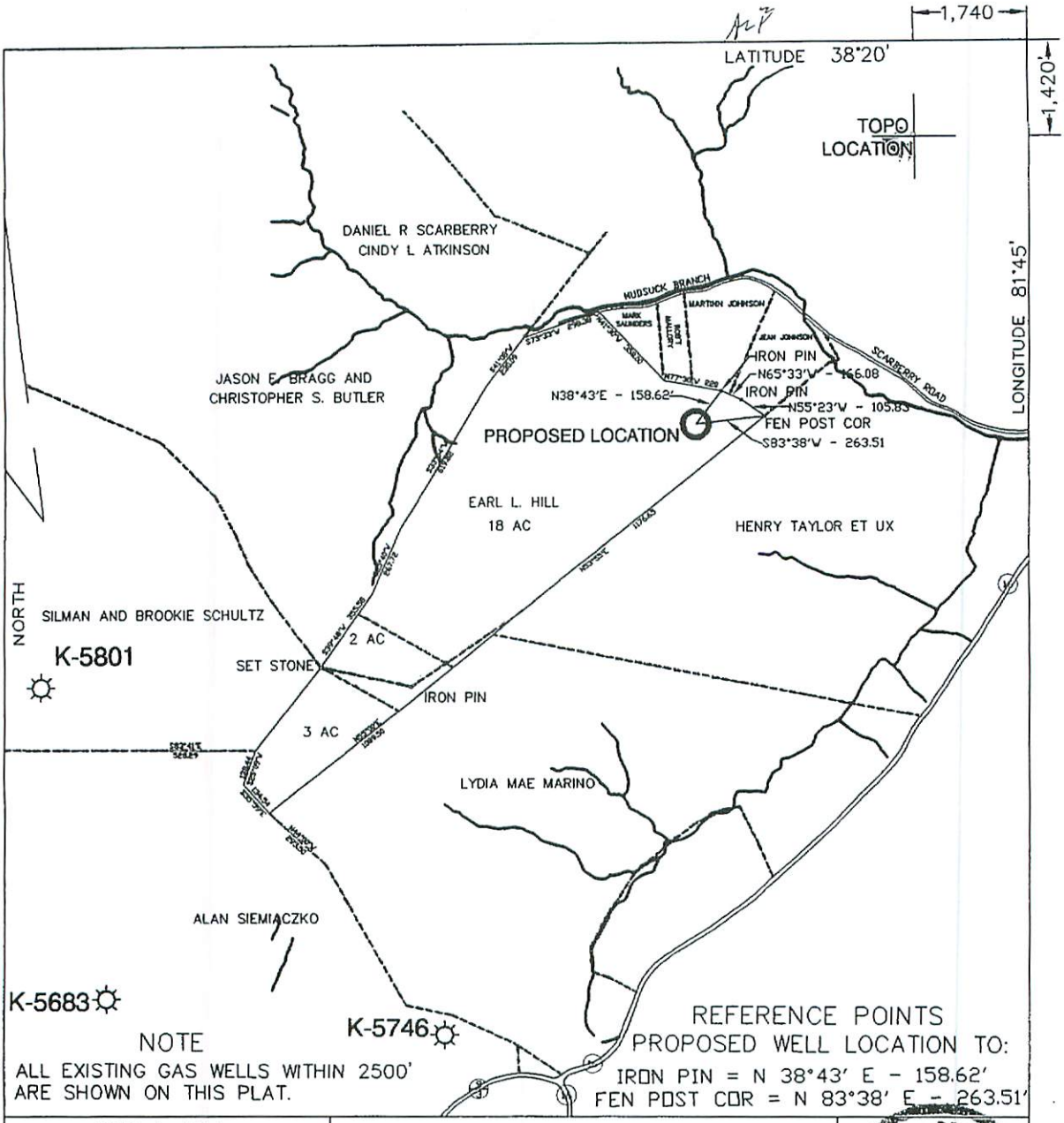


NOTE

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 COR = N 83°38' E - 263.51'

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) Harry L. Berger Jr.
R.P.E. ____ L.L.S. 248

HARRY L. BERGER JR. LICENSED No 248 PROFESSIONAL SURVEYOR
PLACE SEAL HERE

541-2957

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
STATE COUNTY PERMIT

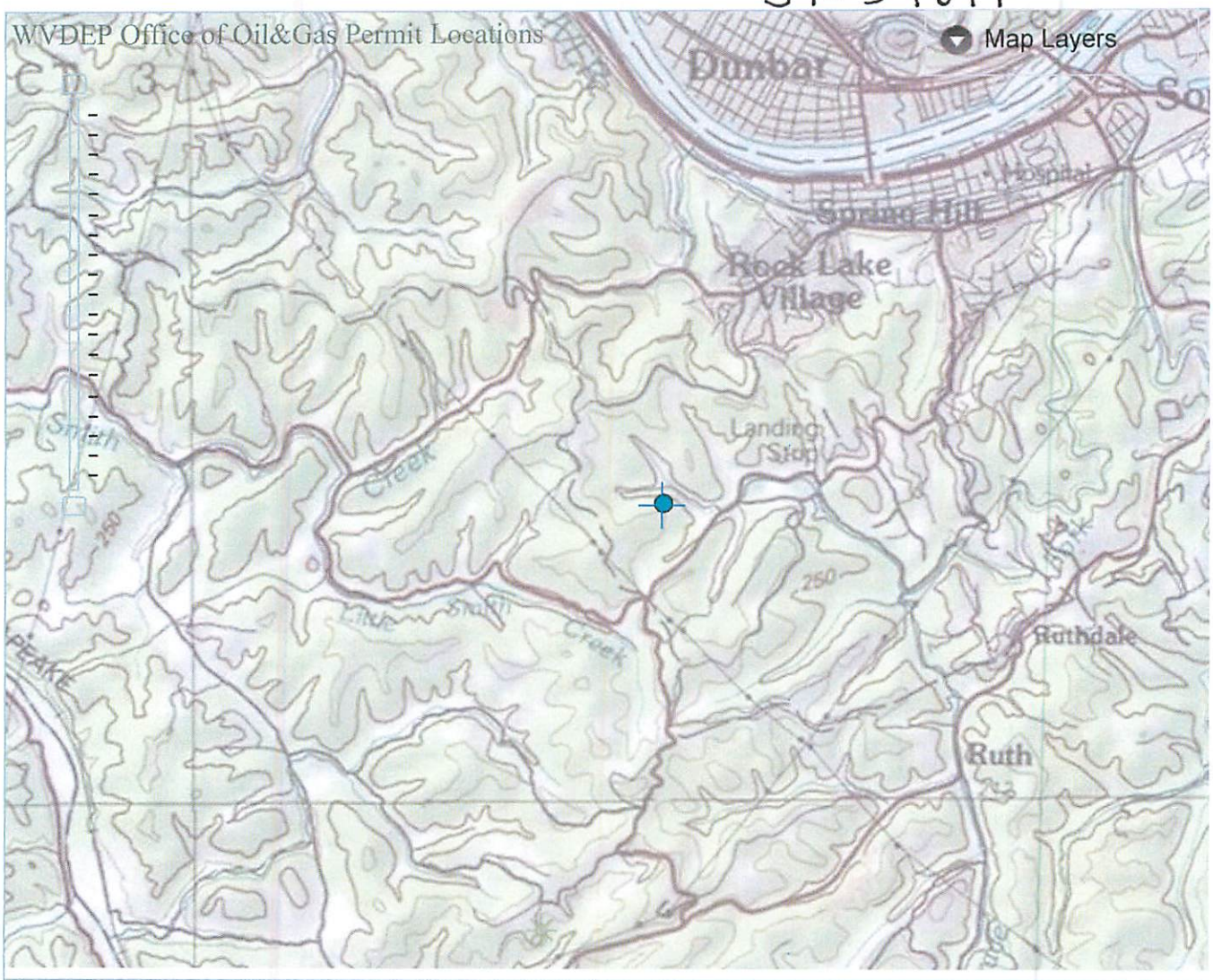
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 935.5 WATERSHED MUD SUCK FORK
DISTRICT JEFFERSON COUNTY KANAWHA
QUADRANGLE ALUM CREEK
SURFACE OWNER EARL L. HILL ACREAGE 25
OIL & GAS ROYALTY OWNER EARL L. HILL LEASE ACREAGE 25
LEASE NO. ____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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

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

WW-7
8-30-06

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

API: 47-39-05961 **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: W38.329 41 ← 4242635.153

UTM GPS EASTING: W 81.25602 **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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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 Duckworth — Contractor — 10-26-15

Signature — Title — Date