



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

January 26, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4701042, issued to ENERGY DEVELOPMENT CORPORATION, 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: EDC 153
Farm Name: HALL MINING COMPANY, ETAL
API Well Number: 47-4701042
Permit Type: Plugging
Date Issued: 01/26/2015

Promoting a healthy environment.

01/30/2015

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 Sept 11, 2014
2) Operator's Well No. 153
3) API Well No. 47-047-01042

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

5) Location: Elevation 2183.94 Watershed Straight Fork of Slate Creek
District Big Creek ✓ County McDowell Quadrangle Bradshaw 261

6) Well Operator Energy Development Corp. 7) Designated Agent Sandra K. Belcher
Address 534 Virginia Ave., Suite 201 Address 160 Kade Hollow Road
Bluefield, VA 24605 Bluefield, WV 24701

8) Oil and Gas Inspector to be notified Name Gary Kennedy
Address P.O. Box 268
Nimitz, WV 25978
9) Plugging Contractor Name
Address

Received
Office of Oil & Gas
NOV 20 2014

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

- | | |
|---|--|
| 1. MIRU | 9. Set 3rd plug at 2386' to 2286' |
| 2. Run tubing to 5320' Gel Hole | 10. Set 4th plug at 250' to surface |
| 3. Set first plug 5332' to 5050' | 11. Install monument |
| 4. Trip tubing out of hole | 12. Haul recovered 4-1/2" casing
and all well equipment off
location |
| 5. Cut 4-1/2" casing at free point | 13. Reclaim location and road as
DEP specs., see W-9 attached |
| 6. Set 100' plug across 4-1/2" casing <u>cut.</u> | |
| 7. Pull 4-1/2" casing | |
| 8. Run tubing to 2386' | |

6% GEL BETWEEN ALL PLUGS. gwm

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

Work order approved by inspector *Gary Kennedy* Date 11/20/14

47-01042P

WR-35

API # 47-047-1042

State of West Virginia
Division of Oil and Gas

Well Operator's Report of Well Work

Name: Hall Mining Company

Operator Well No. EDC-153

LOCATION: Elevation: 2183.94' Quadrangle: Bradshaw 7.5
District: Big Creek County: McDowell
Latitude: 4050 Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 500' Feet West of 81 Deg. 45 Min. 00 Sec.

Company: Energy Development Corp.
P.O. Box 1049
Bluefield, VA 24605
Agent: Wayne Stonestreet
Box 727, Bluefield, VA 24701

Inspector: Tim Bennett
Permit Issued: 4-21-89
Well work Commenced: 7-03-89
Well work Completed: 7-14-89

Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5363'
Fresh water depths (ft) N/R

Salt water depths (ft) N/R

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu.Ft.
8 5/8"	2336.40'	2336.40'	720 CF
4 1/2"	--	5332.0'	248 CF

RECEIVED
NOV 29 1989

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 115, 568, 617, 728, 1040, 1082'

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Berea, Gordon Pay zone depth (ft) See Back
Gas: Initial open flow NS MCF/D Oil: Initial open flow -- Bbl/d
Final open flow 526 MCF/D Final open flow -- Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 710 psig (surface pressure) after 4 Hours

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 WELLBORE.

FOR: Energy Development Corp.

BY: D. E. [Signature]
DATE: NOVEMBER 27, 1989

Re Office
NOV 23 1989

01/30/2015

47-01042P

STIMULATION SUMMARY

1st Stage-Gordon 5256-5263' (10 holes) 70 Quality foam frac; 5,500 lbs 20/40, 500 gals 15% HCl, 110 Bbls TWTR, 382 Mscf N2, BKDN-2095 psi, AIR-20 BPM, (Stage screened out)	2nd Stage-Berea 5144-5154' (12 holes) 70 Quality foam frac; 34,400 lbs 20/40, 500 gal 15% HCl, 310 Bbls TWTR, 505 Mscf N2, BKDN-2850 psi, ATP-2810 psi, AIR-20 BPM, ISI-1680 psi
--	--

Formation depths from driller's record:

No record 0-80'
 Sand 80-115'
 Coal 115-118'
 Sandy Shale 118-130'
 Shale 130-160'
 Sand 160-240'
 Sandy Shale 240-300'
 Sand 300-360'
 Shale 360-405'
 Sand 405-460'
 Shale 460-495'
 Sandy Shale 495-568'
 Coal 568-572'
 Shale 572-617'
 Coal 617-619'
 Sandy Shale 619-690'
 Sand 690-728'
 Coal 728-731'
 Shale 731-845'
 Sand 845-1040'
 Coal 1040-1042'
 Sandy Shale 1042-1082'
 Coal 1082-1084'
 Shale 1084-1130'
 Sandy Shale 1130-1200'
 Sand 1200-1255'
 Shale 1255-1290'
 Sand 1290-1395'
 Sandy Shale 1395-1445'
 Sand 1445-1500'
 Shale 1500-1660'
 Sand 1660-1740'

Shale 1740-1770'
 Sand 1770-1895'
 Sandy Shale 1895-1980'
 Shale 1980-

Formation depths from gamma ray:

Shale -2363'
 Ravenc Cliff 2363-2434'
 Shale 2434-2542'
 Avis Ls 2542-2595'
 Shale 2595-2860'
 Sand 2660-2684'
 Shale 2684-2970'
 Upper Maxton 2970-3008'
 Shale 3008-3200'
 Sand 3200-3240'
 Shale 3240-3319'
 Middle Maxton 3319-3387'
 Shale 3387-3464'
 Lower Maxton 3464-3561'
 Shale 3561-3627'
 Little Lime 3627-3737'
 Shale 3737-3752'
 Big Lime 3752-4497'
 Silt & Shale 4497-4580'
 Siltstone 4580-4804'
 Shale 4804-5082'
 Coffee Shale 5082-5112'
 Berea 5112-5169'
 Shale 5169-5235'
 Gordon 5235-5274'
 Shale 5372-
 Total Depth -5372'

No show @ Total Depth

RECEIVED
Office of Oil & Gas
NOV 20 2014

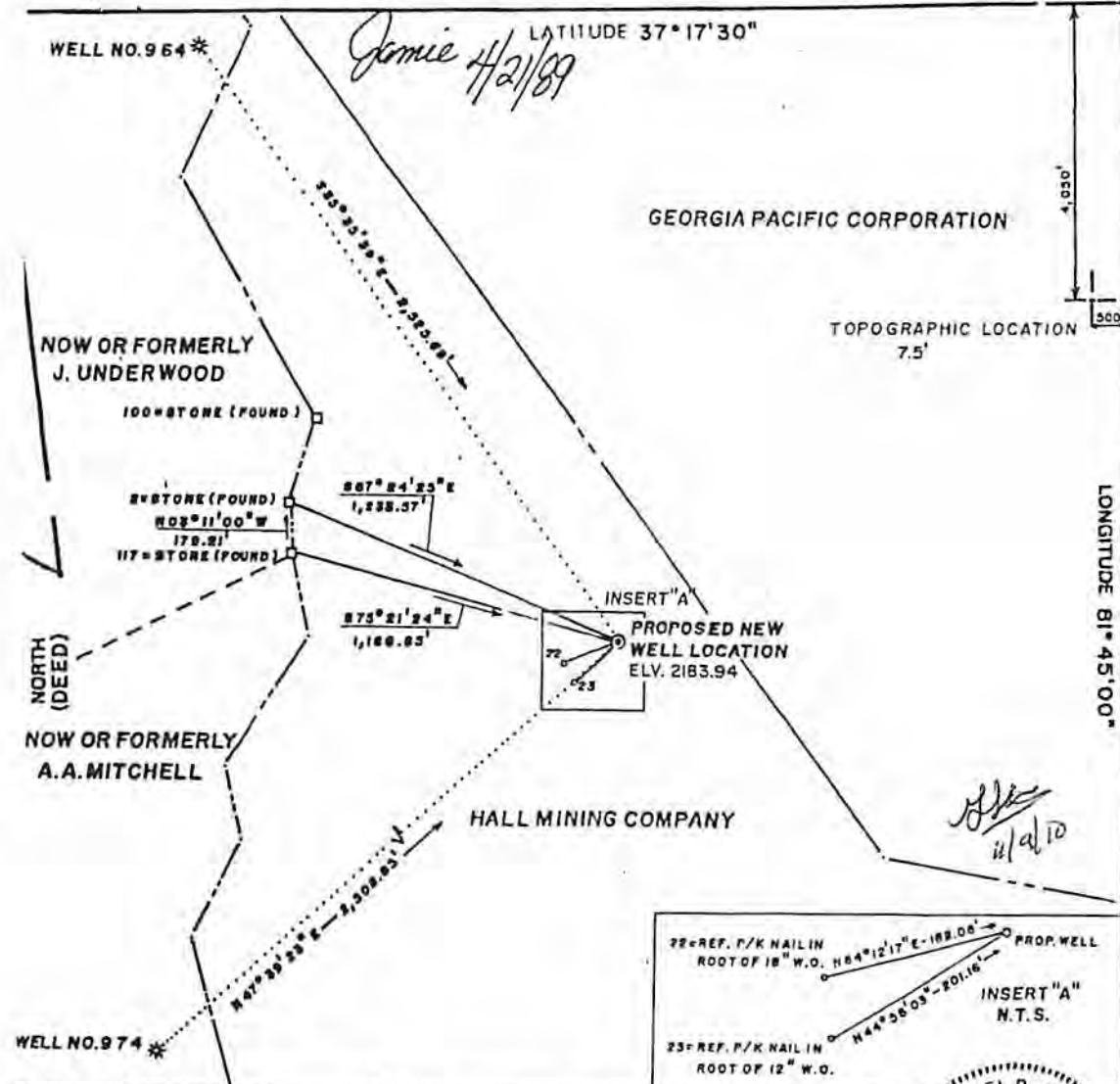
8/1/8

Well Logged By Young Wireline

RECEIVED
NOV 29 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

01/30/2015



EDC-153

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/5000
 PROVEN SOURCE OF ELEVATION JEWELL RIDGE COAL CORP. BN 25-A ELEV. 2274.89

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 MINES.
 (SIGNED) Michael D. Rose
 R.P.E. _____ L.L.S. 841



+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE FEBRUARY 24, 1989
 OPERATOR'S WELL NO. 153
 API WELL NO. 47-047-01042P
 STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS" PRODUCTION STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 2183.94 WATER SHED STRAIGHT FK. - SLATE CK. - DRY FK. - TUG FK.
 DISTRICT BIG CREEK COUNTY McDOWELL
 QUADRANGLE BRADSHAW

SURFACE OWNER HALL MINING COMPANY ET AL ACREAGE 339.95 (CAL.)
 OIL & GAS ROYALTY OWNER HALL MINING COMPANY ET AL LEASE ACREAGE 339.95 (CAL.)
 LEASE NO. _____

PROPOSED WORK: DRILL X 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 GORDON ESTIMATED DEPTH 5560 +/-
 WELL OPERATOR ENERGY DEVELOPMENT CORP. DESIGNATED AGENT WAYNE STONESTREET ESQ.
 ADDRESS BOX 165 ADDRESS BOX 727
 BLUEFIELD, VA. 24605 BLUEFIELD, WY. 24701

4701042P

WW-4A
Revised 6-07

1) Date: September 11, 2014
2) Operator's Well Number _____
EDC # 153
3) API Well No.: 47 - 047 - 01042

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>Hall Mining Company, et.al</u> ✓	Name _____
Address <u>P.O. Box 187</u>	Address _____
<u>Tazewell, VA 24651</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Hall Mining Company, et.al</u>
_____	Address <u>P.O. Box 187</u> ✓
_____	<u>Tazewell, VA 24651</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 268</u>	Name _____
<u>Nimitz, WV 25978</u>	Address _____
Telephone <u>304-382-8402</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.

Received
Office of Oil & Gas
NOV 20 2014

Well Operator Energy Development Corporation

By: [Signature]

Its: President

Address 534 Virginia Ave., Suite 201
Bluefield, VA 24605

Telephone 276-322-5437

Subscribed and sworn before me this 11th day of September 2014

Sandra K. Belcher Notary Public

My Commission Expires Dec. 31, 2015

Notary # 249599

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 depprivacyofficer@wv.gov.

01/30/2015

4701042P

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$.69
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.69

Postmark Here
 BLUEFIELD VA 24605
 OCT 27 2014
 USPS

Sent To Hall Mining Co. et.al
 Street, Apt. No. or PO Box No. P O Box 187
 City, State, ZIP+4 Tazewell, VA 24651

PS Form 3800, June 2002 See Reverse for Instructions

7005 0390 0002 3950 6339

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ Date of Delivery _____</p> <p>D. Is delivery address different from Item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: _____</p>
<p>1. Article Addressed to:</p> <p>Charlie Hart Hall Mining Company, et.al P O Box 187 Tazewell, VA 24651</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2 7005 0390 0002 3950 6339</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

Received
Office of Oil & Gas
NOV 20 2014

01/30/2015

4701042P

WW-4B

API No. 47-047-1042
Farm Name Hall Mining Company, et.al
Well No. EDC #153

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 6 Nov, '14

Hall Mining
By: E. Dale Harman
Its Pres.

Received
Office of Oil & Gas
NOV 20 2014

4701042P

SURFACE OWNER WAIVER

Operator's Well
Number

EDC #153

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Received
Office of Oil & Gas
NOV 20 2014

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

E. Wall Sarman
Signature

Date 6 Nov. 14
Name
By
Its

Energy Development Corporation
W. D. Evans
President
Date 10-27-14

Signature [Signature]
Date 10-27-14
01/30/2015

4701042P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 047 - 01042
Operator's Well No. 153

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 Energy Development Corporation OP Code 15800

Watershed Straight Fork of Slate Creek Quadrangle Bradshaw

Elevation 2193.94 County McDowell District BigCreek

Description of anticipated Pit Waste: No Waste Anticipated

Will a synthetic liner be used in the pit? No Pit to be Used *BEK*

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 Plugging
 Other (Explain Tank will be on location to collect fluid)

Received
Office of Oil & Gas
NOV 20 2014

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 *William D. Evans*
Company Official (Typed Name) William D. Evans
Company Official Title President

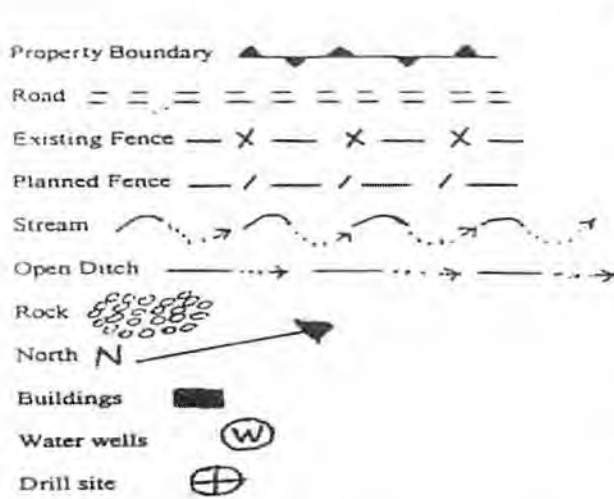
Subscribed and sworn before me this 11th day of September, 20 14

Sandra K. Belcher Notary Public

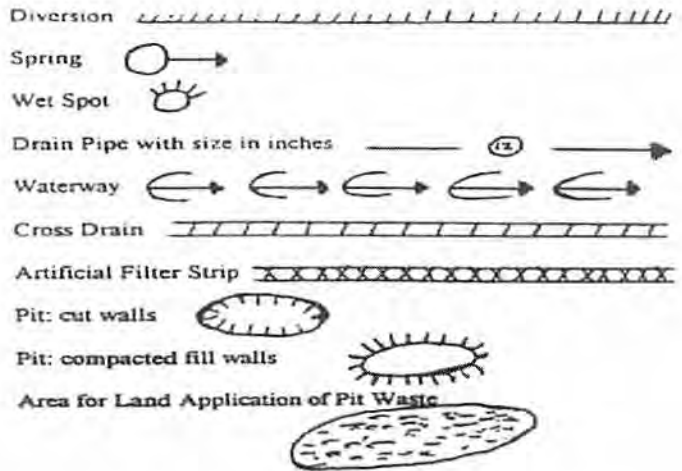
My commission expires Dec. 31, 2015
Notary # 249599



01/30/2015



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 acre Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 ton lbs/acre (500 lbs minimum)

Mulch Hay Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY-31		40			
Alsike Clover		5			
Annual Rye		15			

Received
Office of Oil & Gas
NOV 20 2014

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

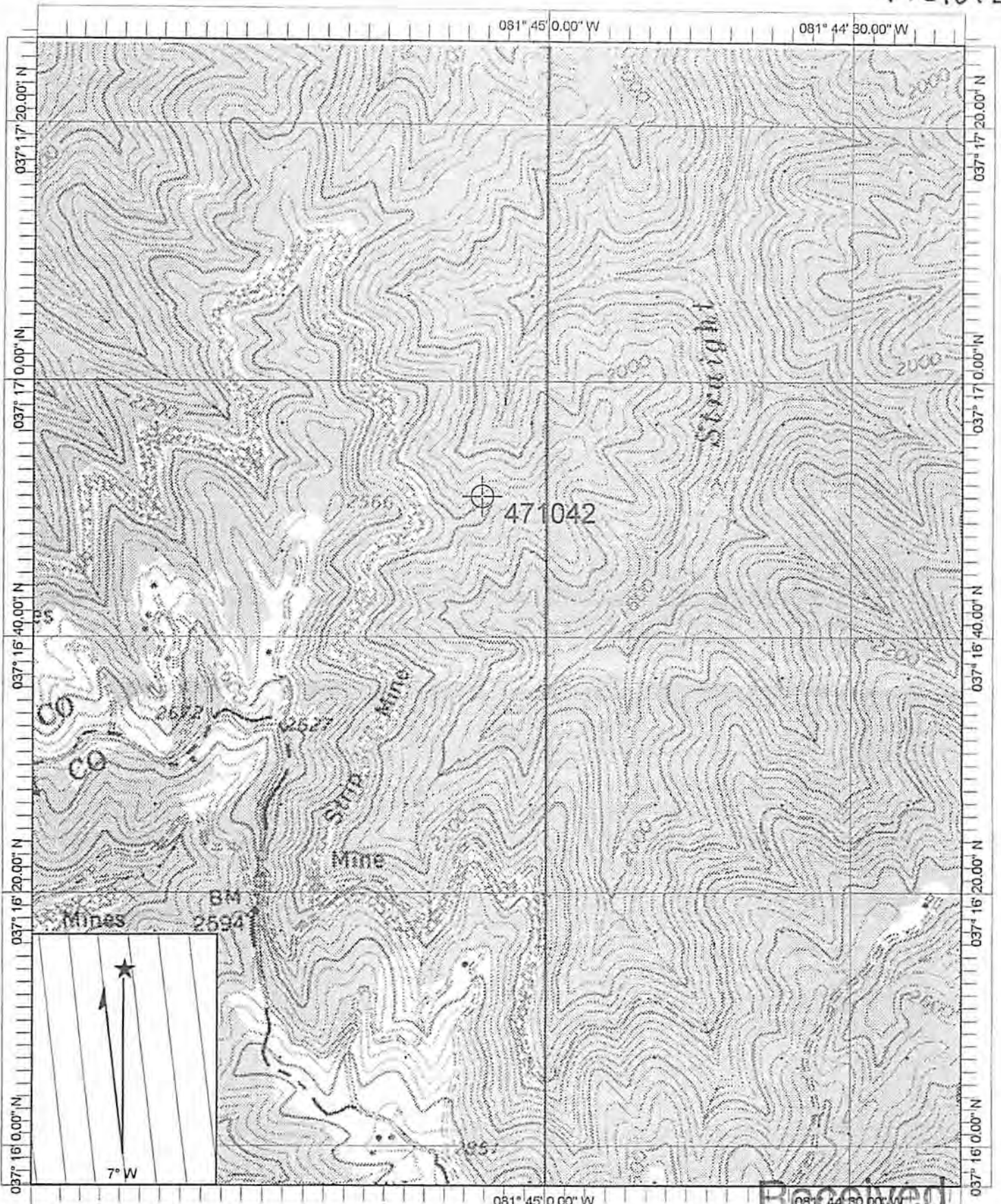
Plan Approved by: [Signature]

Comments: _____

Title: Inspector Date: 11/20/14

Field Reviewed? () Yes () No

4701042P



Received

Name: BRADSHAW
 Date: 12/31/2014
 Scale: 1 inch equals 1000 feet

Location: 037° 16' 41.7" N 081° 45' 05.0" W

JAN 9 2015

47-01042P

RAYSAL

State Road 13

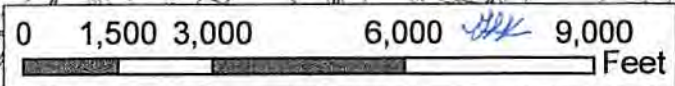
Little State Creek

981

Mudlick Branch

1042

Straight Fork



WW-7
8-30-06



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

API: 47-047-1042 WELL NO.: #153

FARM NAME: Hall Mining Company, etal

RESPONSIBLE PARTY NAME: Energy Development Corporation

COUNTY: McDowell DISTRICT: Big Creek

QUADRANGLE: Bradshaw

SURFACE OWNER: Hall Mining Co. Judith Wadosky, C. Dale Harman, Escrow Acct.
W. F. Harman, Heirs LLC

ROYALTY OWNER: _____

UTM GPS NORTHING: 4126291.63

UTM GPS EASTING: 433365.91 GPS ELEVATION: 2183.9'

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 X: Post Processed Differential X

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.

W. F. Harman
Signature

President
Title

12/31/14
Date

Received

JAN -7 2015

Office of Oil and Gas
West Virginia Dept. of Environmental Protection

47010428



EDC OPERATING COMPANY

November 12, 2014

Gary Kennedy
P.O. Box 268
Nimitz, WV 24978

RE: EDC Well #151 API #47-047-0981 and
EDC Well #153 API #47-04-1042

Dear Mr. Kennedy:

Enclosed please find completed plugging permits on the above-referenced wells.

If you should have questions or need additional information, please call me.

Thank You.

Sincerely,

Sandra Belcher
Administrative Assistant

Enclosures

/skb

Received
Office of Oil & Gas
NOV 20 2014