



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

February 23, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4700981, 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 151
Farm Name: HALL MINING CO., ETAL
API Well Number: 47-4700981
Permit Type: Plugging
Date Issued: 02/23/2015

Promoting a healthy environment.

02/27/2015

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 September 22, 2014
2) Operator's
Well No. EDC #151
3) API Well No. 47-047- - 0981

4700981P

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 2059.30' Watershed Mudlick Branch of Slate Creek
District Big Creek County McDowell Quadrangle Bradshaw

6) Well Operator Energy Development Corp 7) Designated Agent Sandra K. Belcher
Address 534 Virginia Avenue, 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 _____

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

- | | |
|---|--|
| 1) MIRU | 9) Set 3rd.Plug to 2083' to 1983' |
| 2) Run Tubing to 5100' Gel Hole ✓ | 10) Set 4th Plug to 250' to Surface |
| 3) Set 1st Plug 5112' to 4800'
<i>let cement set, run back in and tag plug</i> | 11) Install Monument |
| 4) Trip Tubing Out of Hole | 12) Haul Recovered 4 1/2' Casing all
Well Equipment off Location |
| 5) Cut 4 1/2" Casing at Free Point | 13) Reclaim location and Road as Per
DEP Specifications, See WW-9 |
| 6) Set 100' Plug Across 4 1/2" Cut | Form Attached |
| 7) Pull 4 1/2" Casing | |
| 8) Run Tubing to 2083' | |

Received
Office of Oil & Gas
NOV 20 2014

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

02/27/2015



IV-35
(Rev 8-81)

RECEIVED
NOV 15 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date May 9, 1988
Operator's
Well No. 151
Farm Hall Mining Co.
API No. 47 -047 -0981 -P

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 2059.3' Watershed Mudlick Branch of Slate Creek
District: Big Creek County McDowell Quadrangle Bradshaw

COMPANY Energy Development Corporation

ADDRESS P.O. Box 1049 Bluefield, VA 24605

DESIGNATED AGENT Wayne L. Evans, Esq.

ADDRESS P.O. Box 727, Bluefield, WV 24701

SURFACE OWNER Hall Mining Co.

ADDRESS P.O. Box 187, Tazewell, VA 24561

MINERAL RIGHTS OWNER same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Arthur
St. Clair ADDRESS P.O. Box 468
Brenton, WV 25818

PERMIT ISSUED 3/24/88

DRILLING COMMENCED 3/30/88

DRILLING COMPLETED 4/22/88

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	20'	20'	
9 5/8			
8 5/8	2033'	2033'	528 cf
7			
5 1/2			
4 1/2	—	5112.55'	210 cf
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 4984-5027 feet

Depth of completed well 5134' feet Rotary X / Cable Tools _____

Water strata depth: Fresh ^{none} reported feet; Salt ^{none} reported feet

Coal seam depths: 353, 402, 618, 1078, 1125, 1242, 1468, Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 4900-4911 feet

Gas: Initial open flow 42 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 750 (est.) Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests after frac hours

Static rock pressure 780 psig (surface measurement) after 48 hours shut in

(If applicable due to multiple completion--)

Second producing formation Gordon Pay zone depth 5011-5019 feet

Gas: Initial open flow _____ * Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ * Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 780 psig (surface measurement) after 48 hours shut in

* commingled

(Continue on reverse side)

Received
Office of Oil & Gas

NOV 20 2014

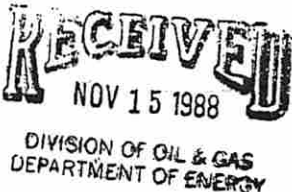
McDowell 151

[Handwritten signature]

02/27/2015

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
 First Stage: Gordon 5011-5019' (9 holes); 75 quality foam frac w/20,000# 20/50 sand
 BKDN 2046 psi, ATP 2000 psi, ISIP 2140 psi, AIR 16 BPM (foam)
 Totals: 320,000 scf N₂, 138 Bbls TWTR, 250 gal 15% HCl
 Second Stage: Berea 4900-4911' (15 holes), 70 quality foam frac w/50,000# 20/50 sand
 BKDN 2564 psi, ATP 2200 psi, ISIP 2000 psi, AIR 16 BPM (foam)
 Totals: 470,000 Scf N₂, 269 Bbls TWTR, 750 gal 15% HCl

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Following depths			taken from Driller's log		book
shale			0	40	
sand			40	130	
shale			130	353	
coal			353	357	
shale			357	402	
coal			402	405	
sandy shale			405	490	
shale			490	529	
sand			529	616	
coal			616	618	
sandy shale			618	655	
shale			655	770	
sandy shale			770	809	
sand			809	871	
sand & shale			871	879	
sand			879	911	
shale			911	965	
sandy shale			965	1045	
sand			1045	1075	
coal			1075	1078	
shale			1078	1087	
sand			1087	1107	
shale			1107	1122	
coal			1122	1125	
sand			1125	1156	
shale			1156	1180	
sand			1180	1242	
coal			1242	1246	
shale			1246	1315	
sand			1315	1445	
shale			1445	1463	
coal			1463	1468	
sand			1468	1560	
shale			1560	1663	
sand			1663	1755	
shale			1755	1769	
sand			1769	1780	

Received
Office of Oil & Gas
NOV 20 2014

RECEIVED
Office of Oil & Gas
NOV 12 2010
WV Department of
Environmental Protection

(Attach separate sheets as necessary)

Energy Development Corp
 Well Operator
 By: Andrew D. Duggins, Comm.
 Date: 11/14/88

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic
 detailed geological record of all formations, including
 coal, encountered in the drilling of a well."

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
shale			1780	1815	
sand			1815	1863	
shale			1863	2065	
Following depths taken from gamma ray log					
shale			2065	2193	
Ravenclyff			2193	2273	
shale			2273	2356	
Avis Limestone			2356	2419	
sand & shale			2419	2655	
Upper Maxton			2655	2733	
sand & shale			2733	2975	
Middle Maxton			2975	3195	
sand & shale			3195	3307	
Lower Maxton			3307	3358	
shale			3358	3421	
Little Lime			3421	3534	
shale			3534	3601	
Big Lime			3601	4252	
siltstone & shale			4252	4332	
Weir Interval			4332	4531	
shale			4531	4851	
Coffee Shale			4851	4870	
Berea			4870	4931	Gas check @ 4928' 33 Mcf/day
shale			4931	4984	
Gordon			4984	5027	Gas check @ 5134' 42 Mcf/day
shale			5027	5134	Logger TD 5134' Driller TD 5100'

RECEIVED
NOV 15 1988

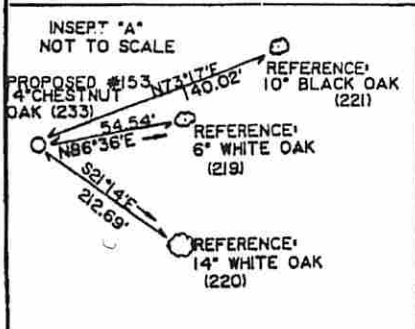
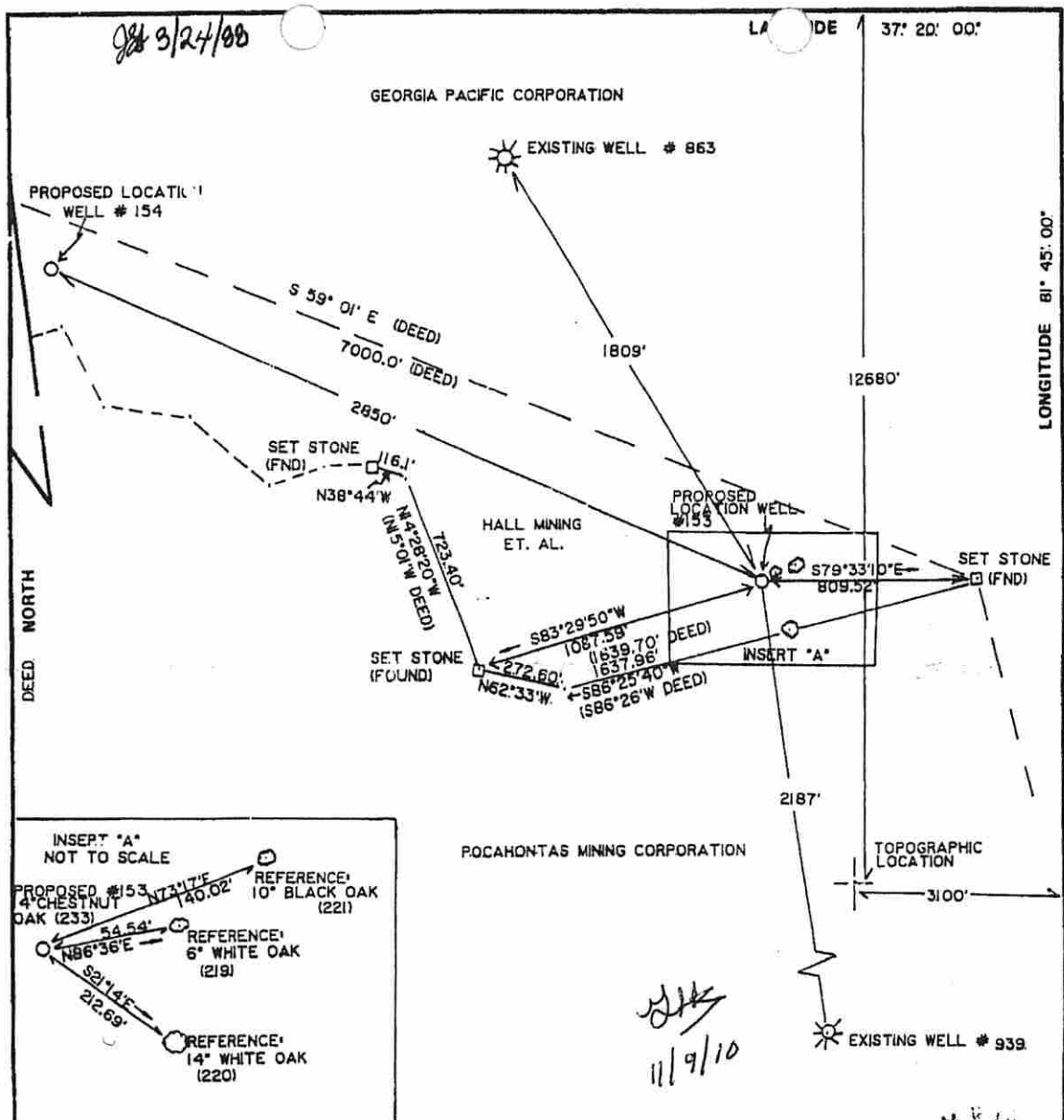
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Received
Office of Oil & Gas
NOV 20 2014

W. C. D. W. 0981

4786

47-00981P
4700981P



EDC-151

FILE NO. 87004
DRAWING NO. _____
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:2400
PROVEN SOURCE OF ELEVATION USC&GS BRASS DISC # S179 FL 1181.241 @ BRADSHAW, W.VA.

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) _____
R.P.E. _____ L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JANUARY 18, 19 88
OPERATOR'S WELL NO. 151
API WELL NO. _____
47 - 47 - 0981 P
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___ X
LOCATION: ELEVATION 2059.3' WATER SHED MUDLICK BRANCH OF SLATE CREEK
DISTRICT BIG CREEK COUNTY MCDOWELL
QUADRANGLE BRADSHAW, W.VA.-VA
SURFACE OWNER HALL MINING ET AL ACREAGE 370.12 AC. (DEED)
OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 370.12 AC. (DEED)
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 GORDON ESTIMATED DEPTH 5200±
WELL OPERATOR ENERGY DEVELOPMENT CORP. DESIGNATED AGENT WAYNE L. EVANS, FSO
ADDRESS P.O. BOX 165 Bluefield, VA 24605 ADDRESS P.O. BOX 727 BLUEFIELD, WVA 24701

FORM IV-6 (8-78)

MCDOWELL 0981

02/27/2015

4700981P

WW-4A
Revised 6-07

1) Date: September 22, 2014
2) Operator's Well Number
EDC #151

3) API Well No.: 47 - 047 - 0981

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 <u>See Attached List</u>
_____	_____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>P. O. Box 268</u>	Name _____
<u>Nimitz, WV 24978 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 Avenue, Suite 201
Bluefield, VA 24605
 Telephone 276-322-5437



Subscribed and sworn before me this 27th day of October 2014
Sandra K. Belcher Notary Public
 My Commission Expires Dec. 31, 2015
Notary ID# 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 depprivacyoffier@wv.gov.

02/27/2015

47009819

SURFACE OWNER WAIVER

Operator's Well
Number

EDC #151

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

Office of Oil and 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. D. Evans
Signature

Date 6 Nov, '14

Name Energy Development Corporation
By W. D. Evans
Its President

Date 10-27-14

Signature W. D. Evans Date 10-27-14
02/27/2015

API No. 47-047-0981 P
Farm Name Hall Mining Company, et.al
Well No. EDC #151

**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

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 Mudlick Branch of Slate Creek Quadrangle Bradshaw

Elevation 2059.30' County McDowell District Big Creek

Description of anticipated Pit Waste: No Waste Anticipated

Will a synthetic liner be used in the pit? No Pit to be used *JMK* **ANY WELL EFFLUENT MUST BE DISPOSED OR PROPERLY.** *JMK*

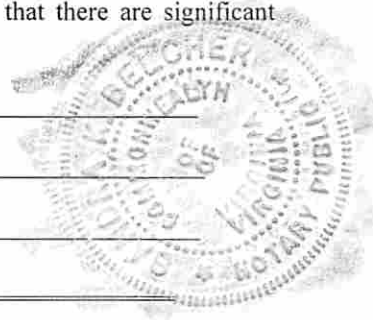
Proposed Disposal Method For Treated Pit Wastes:
 Land Application
 Underground Injection (UIC Permit Number _____)
 Reuse (at API Number _____)
 Off Site Disposal (Supply form WW-9 for disposal location)
 Other (Explain Tank will be on location to collect fluid)

Proposed Work For Which Pit Will Be Used:
 Drilling Swabbing
 Workover 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 *W. D. Evans*
Company Official (Typed Name) W. D. Evans
Company Official Title President



Subscribed and sworn before me this 27th day of October, 2014

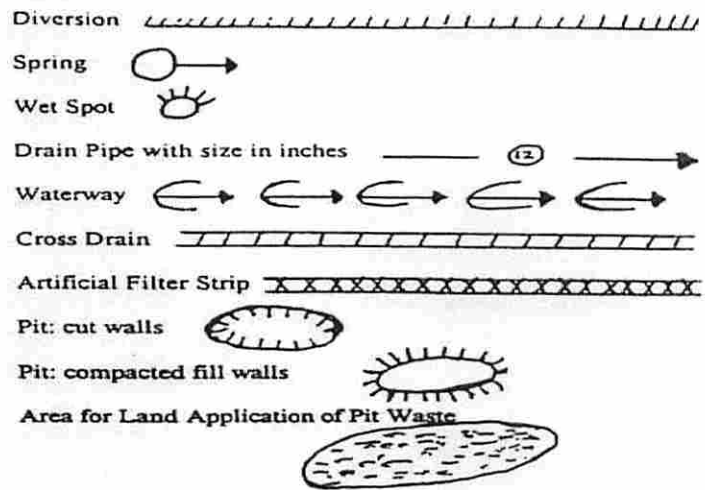
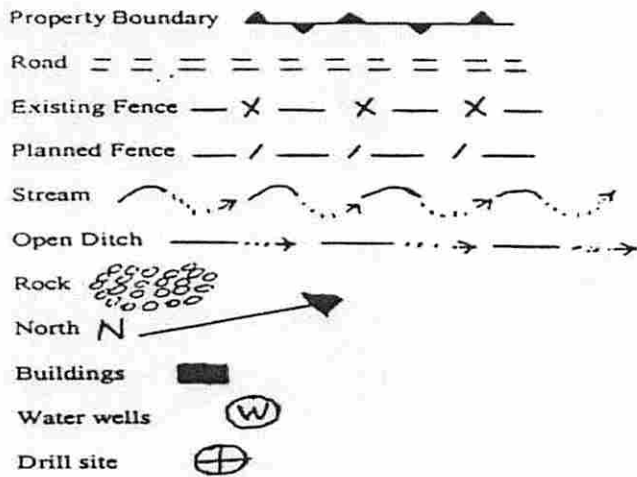
Sandra K. Belcher Notary Public

Received
Office of Oil & Gas
NOV 20 2014

My commission expires Dec. 31, 2015
Notary ID # 249599

02/27/2015

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 2 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			

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

Photocopied section of involved 7.5' topographic sheet.

Received
 Office of Oil & Gas
 NOV 20 2014

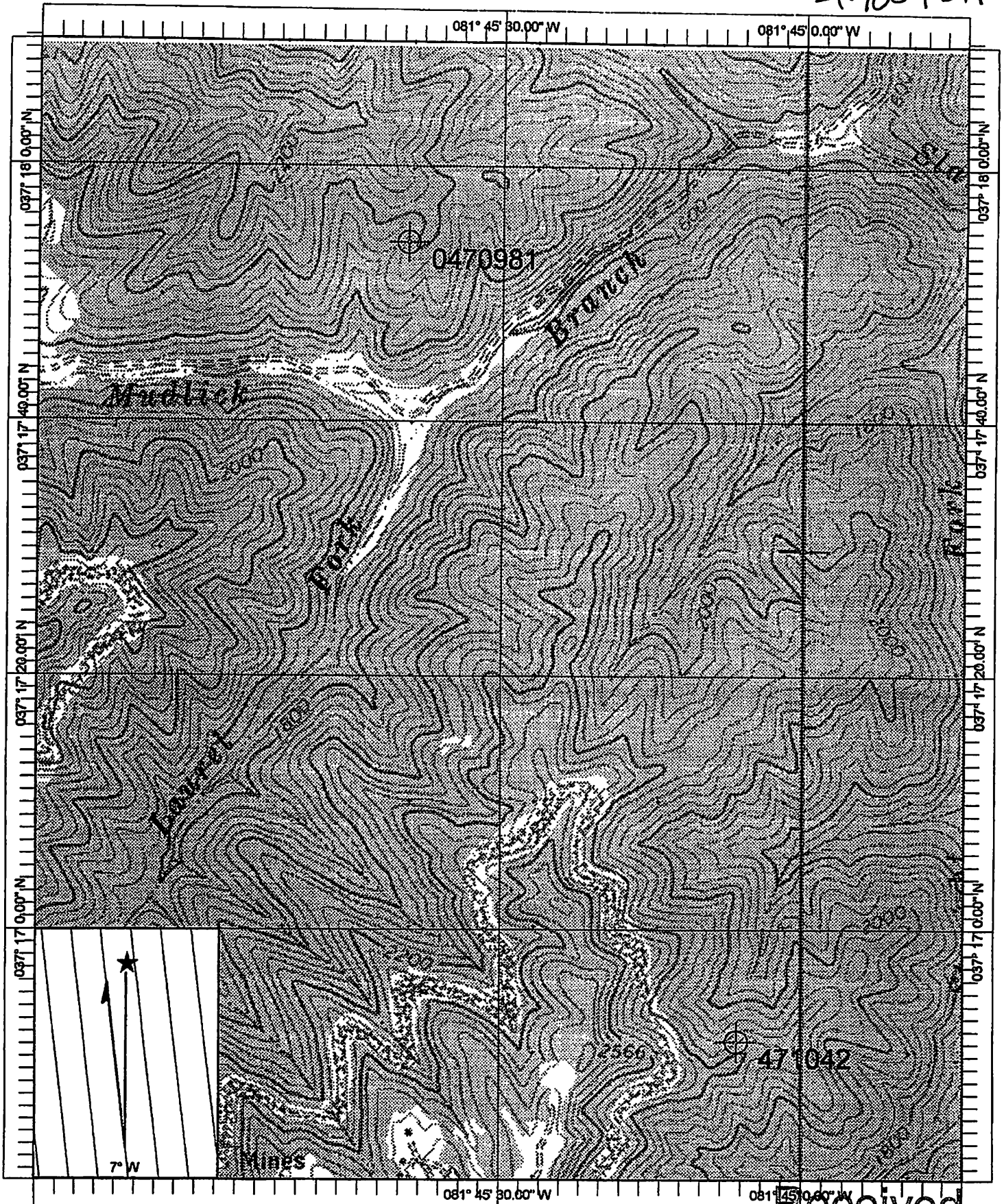
Plan Approved by: *Jung Kennedy*

Comments: _____

Title: *Inspector* Date: *11/20/14*

Field Reviewed? () Yes () No

4700981A



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

Location: 037° 17' 24.9" N 081° 45' 30.1" W

JAN - 6 2015

Copyright (C) 1997, Maptech, Inc.

Office of Oil and Gas
 WV Dept. of Environmental Protection

Received

02/27/2015

EDC OPERATING COMPANY
Well Interest Listing
For Royalty Owners

Selection Criteria: Well ID: 0151 - 0151 in All Groups
Sort Order: Well ID

Well ID	Well Name	Gas Interest	Other Interest	Working Interest	Trans	D O I D F I					Before Casing Point	After Casing Point	Misc Rev 1	Misc Rev 2	After Payout					
						F	T	P	R	H						Status	Program	Class 1	Class 2	Class 3
0151	Hall Mining #3																			
L0042	Hall Mining Company	3.3330000	0.0000000		M	R	B	N	N	N	A	1987-1	P.O. Box 187	Tazewell, VA 24651 54-0236888	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
L0144	Judith E. Wadosky	1.6640000	0.0000000		M	R	B	N	N	N	A	109 Cypress Point	Hendersville, NC 28739 235-62-9745 (828) 693-4835	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
L0222	C. Dale Harman Escrow Account	1.6665000	0.0000000		M	R	B	N	N	N	A	615 Tuxedo Place	Atlanta, GA 30342 233-52-5248	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
L0256	W. F. Harman Heirs, LLC	8.3365000	0.0000000		M	R	B	N	N	N	A	P.O. Box 834	Tazewell, VA 24651 27-4934736	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
15.0000000	15.0000000	0.0000000	0.0000000	0	0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Received
Office of Oil & Gas
NOV 20 2014

4700981A

02/27/2015

Legend: Owner Types R = Royalty Owner
O = Override Royalty
W = Working Interest

Int Types O = Oil
G = Gas
B = Both Oil and Gas

Disbursement Frequency M = Monthly Q = Quarterly S = Semi-Annually A = Annually ** = Joint Interest Bill † = Owner on Hold

Direct Pay O = Oil G = Gas B = Both

Flat Royalty Y = Yes
N = No