



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

May 15, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8101065, issued to EXCO RESOURCES (PA), LLC, 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.

A blue ink signature of James Martin, Chief.

James Martin
Chief

Operator's Well No: BEAVER #116
Farm Name: BEAVER COAL CO. LTD.
API Well Number: 47-8101065
Permit Type: Plugging
Date Issued: 05/15/2014

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

CK# 242513
#100²⁰

1) Date February 4, 2014
2) Operator's Well No. Beaver Coal 116
3) API Well No. 47-081 - 01065

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 x

5) Location: Elevation 2458' Watershed Tributary of Piney Creek
District Town County Raleigh Quadrangle Beckley 7.5

6) Well Operator EXCO Resources (PA), LLC 7) Designated Agent Diana Stamper/C.T. Corp Systems
Address PO Box 8 Address 5400 D Big Tyler Road
Ravenswood, WV 26164 Charleston, WV 25301

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

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

- 1.) RIH check TD @ +/- 2100', RIH tbg to 2100', load hole with 6% gelled water - rig up and pump 25 sks Class A cement 2100'-1787'
- 2.) Pooh tbg to 1450' - rig up and pump 30 sks class A cement 1450'-1075' pooh tbg to 700'
- 3.) Rig up and pump 15 sks class A cement 700'-510' - pooh tbg
- 4.) RIH and cut 4 1/2" casing @ 490' estimated TOC - pooh 4 1/2" casing
- 5.) RIH tbg to casing cut - rig up and pump 25 sks class A cement 490'-366'
- 6.) Pooh tbg to 100' - rig up and pump 25 sks class A cement 100' - surface. Erect monument with API#

Received

APR 17 2014

Office of Oil and Gas
WV Dept. 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 *Gary Kennedy* Date 2/28/14

05/16/2014

WR-35

27-Feb-97

API # 47- 81-01065

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: BEAVER COAL CO. LTD. Operator Well No.: BEAVER #116

LOCATION: Elevation: 2,458.00 Quadrangle: BECKLEY

District: TOWN County: RALEIGH
Latitude: 13890 Feet South of 37 Deg. 47 Min. 30 Sec.
Longitude 5550 Feet West of 81 Deg. 10 Min. 0 Sec.

Company: ENERGY SEARCH, INC.
280 FT. SANDERS, W. BLVD., STE. 200
KNOXVILLE, TN 37922-0000

Agent: ~~GARY G. DANSON~~ Frank R. Rotunda

Inspector: RODNEY DILLON
Permit Issued: 02/28/97
Well work Commenced: 3/11/97
Well work Completed: 8/15/98

Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 3100'
Fresh water depths (ft) _____

Salt water depths (ft) 3060'

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
12-3/4"	16'	16'	n/a
7"	682'	682'	165
4-1/2"	2176'	2176'	209

OPEN FLOW DATA

Producing formation Maxton Pay zone depth (ft) 2022-31'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow not taken MCF/d Final open flow not taken Bbl/d
Time of open flow between initial and final tests n/a Hours
Static rock Pressure 170 psig (surface pressure) after 12 Hours

Second producing formation Ravenc Cliff Pay zone depth (ft) 1342-93'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow not taken MCF/d Final open flow not taken Bbl/d
Time of open flow between initial and final tests n/a Hours
Static rock Pressure 170 psig (surface pressure) after 12 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 SEARCH, INC. *Frank R. Rotunda* 05/16/2014

By: Frank R. Rotunda - VP Land - Agent

Beaver Coal #116

Permit # 47 81 01065

Tops From KB	2463'	
Princeton	1142'	1176'
Ravencliff	1340'	1396'
Avis	1434'	1472'
Middle Maxton	2018'	2033'
Little Lime	2422'	
Big Lime	2570'	3089'
Weir	Not Reached	

Provided By. OO & G

8101065 P

COMPLETION SUMMARY - BEAVER COAL #116

Cased Hole LTD = 2161'

TOC = unavailable

MAXTON

Perforations: 2022' - 2031' (10 shots)

Treated with 500 gls of 15% Hcl, 75 Quality foam consisting of 90 bbls of gelled/treated water + 20000 lbs of 20-40 mesh sand and 170 mcf N2. ATR = 18 bpm. ATP = 2265 psi.

RAVENCLIFF

Perforations: 1342' - 1393' (29 shots)

Treated with 500 gls of 15% Hcl, 75 Quality foam consisting 203 bbls of gelled/treated water + 66000 lbs of 20-40 mesh sand and 330 mcf N2. ATR = 25 bpm. ATP = 1790 psi.

05/16/2014

174

Out By it's own on road to Raleigh

9/16
STARTED/LOCATION: 3/3/97
LING COMMENCED: 3-10-97
DEPTH: 310/97

PERMITS, INSPECTION AND RELEASE FORM
RECEIVED
Office of Oil and Gas
DEC 09 1997
WV Division of Environmental Protection

API: 47- 081 - 1065
WELL NO.: 116
COMPANY: Energy Search
FARM: Beckers Coal
COAL DEPTHS

2-7

IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS: YES [X] NO [] (6 pts) 6
886 feet of 2" pipe on R-12 cemented with 140 sacks (Circulated) YES [X] NO []
feet of pipe on cemented with sacks (Circulated) YES [] NO []
feet of pipe on cemented with sacks (Circulated) YES [] NO []
feet of pipe on cemented with sacks (Circulated) YES [] NO []

DISCHARGE DATE: TYPE: WEATHER CONDITIONS: LAND:

ES DISCHARGED PIT VOLUME PIT ADDITIVES

LD ANALYSIS: pH Fe mg/l Cl mg/l D.O. mg/l TOC mg/l

ations for this report are in accordance of WV Code 22B-1-28, 22B-1-30, 22B-1-6, 22B-1-7, a -1-27 and Regulation 38CSR 18-9.2.3, 38CSR 18-12.1, 38CSR 18-16.5, 38CSR 18-16.6.

AL POINTS AVAILABLE FOR QUESTION 2: 2. (10 pts) 10

Did operator give proper notice to inspector before the following:
Construction Yes [X] No [] (2 pts) B. Drilling Yes [X] No [] (2 pts)
Pit Treatments Yes [X] No [] (2 pts) D. Pit Discharge Yes [] No [] (2 pts)
Reclamation Yes [X] No [] (2 pts)

Did the operator have permit on site? Yes [X] No [] 3. (4 pts) 4

Was the timber cut, stacked and brush used for sediment barriers before dirt work started? Yes [X] No [] 4. (4 pts) 4

Are all location and/or road banks being sloped? Yes [X] No [] 5. (4 pts) 4

AL POINTS AVAILABLE FOR QUESTION 6: 6. (21 pts) 18

Were the following sediment control structures properly installed/maintained?
Road Ditches Yes [] No [] (3 pts) B. Cross Drains Yes [] No [] (3 pts)
Culverts Yes [] No [] (3 pts) D. Creek Crossings Yes [] No [] (3 pts)
Diversion Ditches Yes [] No [] (3 pts) F. Barriers Yes [] No [] (3 pts)
Temporary Seeding Yes [] No [X] (3 pts)

Has top soil (if any) been stockpiled? Yes [X] No [] 7. (2 pts) 2

Is the well stake in the proper spot in accordance with 38CSR 18-9.2.3 after construction? Yes [X] No [] 8. (3 pts) 3

Is the pit properly installed? Yes [] No []
Walls Compacted Yes [] No [], Cut Yes [] No []
Free of Debris before lining Yes [] No []
Lined Yes [] No []
Fluids Contained Yes [] No []
Free of Non Exempt/Restricted Materials Yes [] No []
Properly Treated Yes [] No [] 9. (6 pts) 6

Did inspector approve all modifications Yes [] No []

Was inspector on site during the following:
Construction Yes [X] No [] B. Drilling Yes [X] No []
Pit Treatment Yes [] No [X] D. Reclamation Yes [X] No []

Page 1 of
Form WW2-A
(6/94)
Surface Owner Copy

1) Date: February 25, 1997
2) Operator's well number
Beaver # 116
3) API Well No: 47 - 081 - 1065
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Beaver Coal Company Name _____
 Address P.O. Box 1537 Address _____
Beckley, WV 25802
- (b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name Beaver Coal Company
 Address P.O. Box 1537
Beckley, WV 25802
- (c) Name _____ Name _____
 Address _____ Address _____
- 6) Inspector Rodney Dillon (c) Coal Lessee with Declaration
 Address Box 131 Name None
Bradley, WV 25818 Address _____
 Telephone (304)-256-6946

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties, by:

- ___ Personal Service (Affidavit attached)
- ___ Certified Mail (Postmarked postal receipt attached)
- ___ Publication (Notice of Publication attached)

RECEIVED
WV Division of
Environmental Protection
FEB 25 1997

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE
(Continued on Reverse)

The well operator named below is applying for a permit from the State to do Oil and Gas Well work. (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.

Well Operator Energy Search Inc
By: Carry S. Ranson *C S R*
Its: Designated Agent
Address 900 Core Road
Parkersburg, WV 26101
Telephone 304-428-1165

Subscribed and sworn before me this 25 day of February, 1997

My commission expires May 17, 2000 Cynthia L. Blake Notary Public

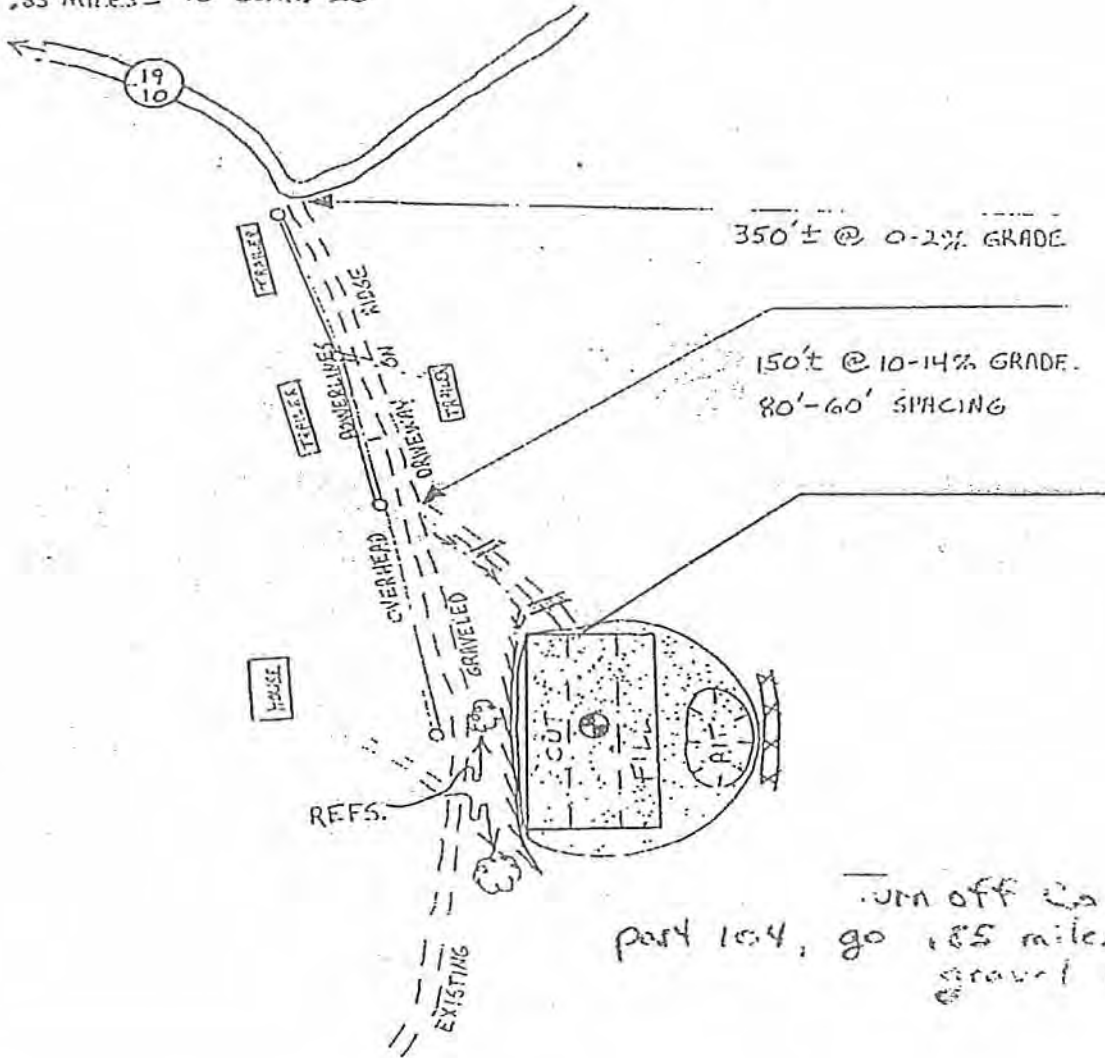
Form WW-9

BEAVER NO. 116

page 5 of 7

8101065P

.85 MILES ± TO CO. RT. 20



Turn off Co. Rt. 20 left,
part 104, go .85 miles + turn right
gravel road

WJK

SLS SMITH LAND SURVEYING, INC.
P.O. BOX 150, GLENVILLE, WV 26351

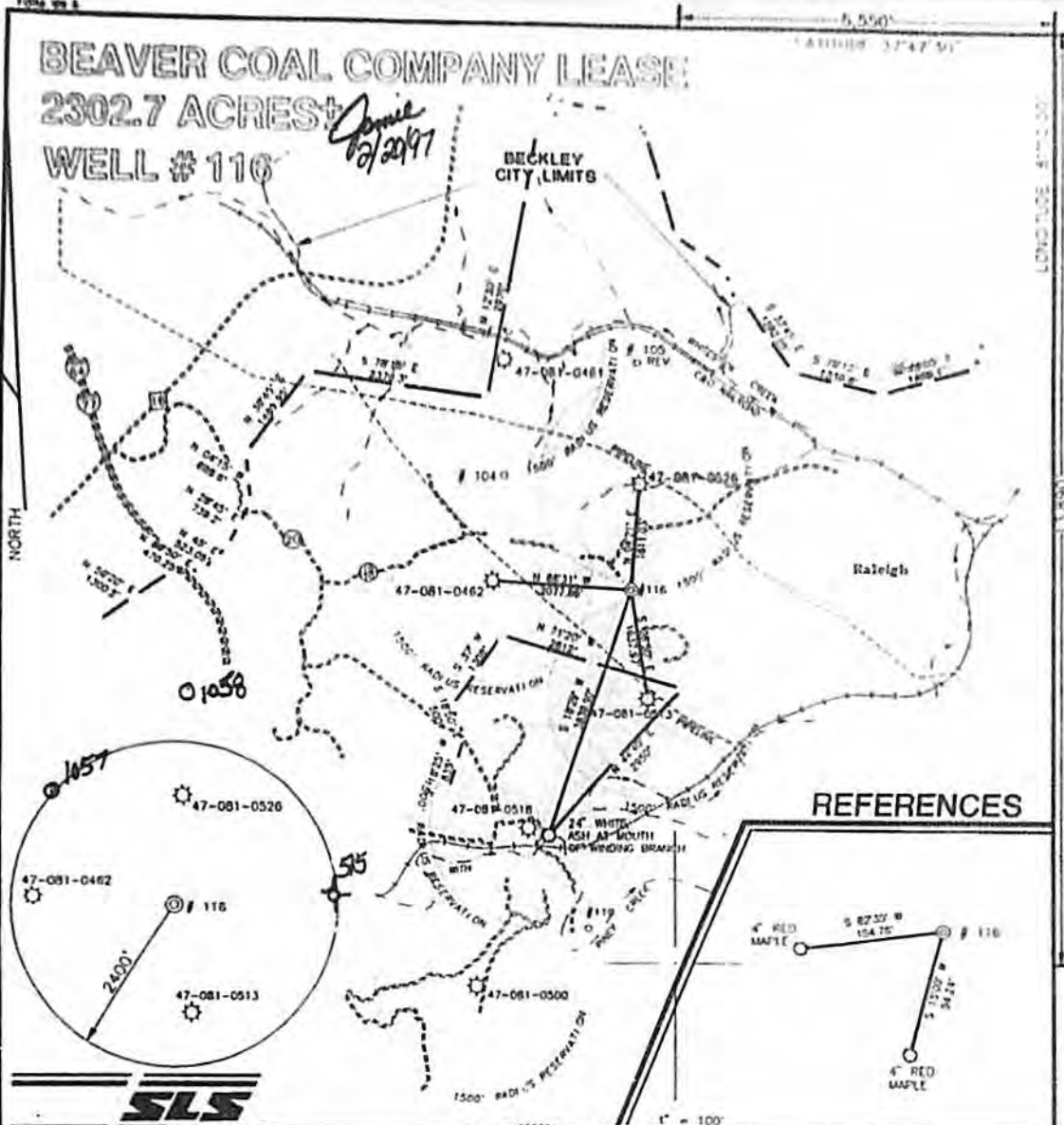
Phone (304) 462-5656 or 462-5634
DRAWN BY N.C.T. DATE 2/25/97 FILE NO. 3639

Received

APR 17 2014

BEAVER COAL COMPANY LEASE
2302.7 ACRES
WELL # 116

Janice
02/20/97



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 REGULATION ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

P.S. *Gregory A. Smith*
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
DATE FEBRUARY 25, 19 97
OPERATOR'S WELL NO. BEAVER # 116
API WELL NO. 47-081-01065
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3639P116 (62-14)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 2368'
SCALE 1" = 2000'

DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

WELL TYPE	OIL	GAS	<input checked="" type="checkbox"/> LIQUID INJECTION	WASTE DISPOSAL	IF "GAS" PRODUCTION	<input checked="" type="checkbox"/> STORAGE	DEEP	SHALLOW
LOCATION:	ELEVATION <u>2458'</u> WATERSHED <u>TRIBUTARY OF PINEY CREEK</u>							
	DISTRICT	TOWN	COUNTY	RALEIGH	QUADRANGLE	BECKLEY	7.5'	
SURFACE OWNER	<u>BEAVER COAL COMPANY LIMITED</u>			ACREAGE	<u>2302.7</u>			
ROYALTY OWNER	<u>BEAVER COAL COMPANY LIMITED</u>			LEASE ACREAGE	<u>2302.7</u>			
PROPOSED WORK	LEAVE NO							
DRILL	<input checked="" type="checkbox"/> CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE	<input checked="" type="checkbox"/> PLUG (W/ OLD)			
FORMATION	PERFORATE NEW FORMATION			PLUG AND ABANDON	CLEAN OUT AND REPLUG	OTHER		
PHYSICAL CHANGE IN WELL (SPECIFY)				TARGET FORMATION	<u>Maxton</u>		ESTIMATED DEPTH <u>3800'</u>	
WELL OPERATOR	<u>ENERGY SEARCH, Inc.</u>			DESIGNATED AGENT	<u>CAROL S. HANSON</u>			
ADDRESS	<u>280 SANDERS W. DR. SUITE 200</u>			ADDRESS	<u>800 CORN ROAD</u>			
	<u>KNOXVILLE, TENNESSEE 37922</u>				<u>PARKERSBURG, WV 26101</u>			

COUNTY NAME RALEIGH

WW-4A
Revised 6-07

1) Date: February 4, 2014
2) Operator's Well Number
Beaver Coal 116

3) API Well No.: 47 - 081 - 01065

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

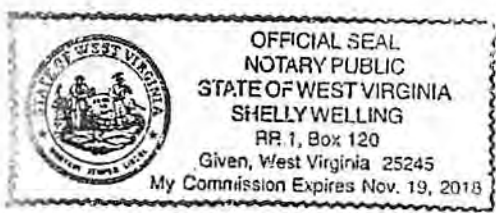
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Beaver Coal LTD</u>	Name _____
Address <u>115 1/2 South Kanawha Street</u>	Address _____
<u>Beckley, WV 25801</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>PO 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.



Well Operator EXCO Resources (PA), LLC

By: Rick Green *(Signature)*

Its: Construction Specialist I

Address PO Box 8

Ravenswood, WV 26164

Telephone 304-273-5371

Received

APR 21 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 19th day of Feb 2014
Shelly Welling Notary Public
My Commission Expires 11/19/18

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.

05/16/2014

SURFACE OWNER WAIVER

Operator's Well
Number

Beaver Coal 116

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

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.

Received
APR 17 2014

VOLUNTARY STATEMENT OF NO OBJECTION

Office of Oil and Gas
WV Dept. of Environmental Protection

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,

_____	Date _____	Name <u>BEAVER COAL CO., LTD</u>
Signature		By <u>R. Woodrow Duke</u>
		Its <u>GENERAL MANAGER</u> Date <u>2/27/14</u>
		Signature <u>R. Woodrow Duke</u> Date <u>05/16/2014</u>

WW-4B

API No.	<u>47-081-01065</u>
Farm Name	<u>Beaver Coal</u>
Well No.	<u>116</u>

**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: 2/27/14

BEAVER COAL Co., LTD
 By: R. Woodrow DUBA
 Its GENERAL MANAGER
R. Woodrow Duba

Received

APR 17 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 EXCO Resources (PA), LLC OP Code 307860

Watershed Tributary of Piney Creek Quadrangle Beckley 7.5

Elevation 2458' County Raleigh District Town

Description of anticipated Pit Waste: cement, water, gel

Will a synthetic liner be used in the pit? yes 20 MIL. JK

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 pit to be solidified with cement)

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 [Signature]

Received

Company Official (Typed Name) Rick Green

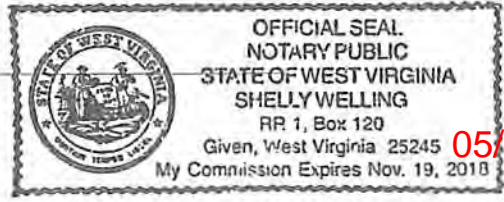
Company Official Title Construction Specialist I

APR 17 2014

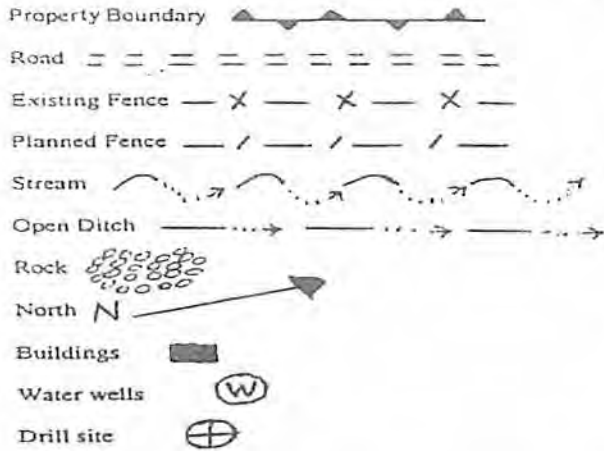
Subscribed and sworn before me this 19 day of Feb, 20 14 WV Dept. of Environmental Protection Office of Oil and Gas

[Signature] Notary Public

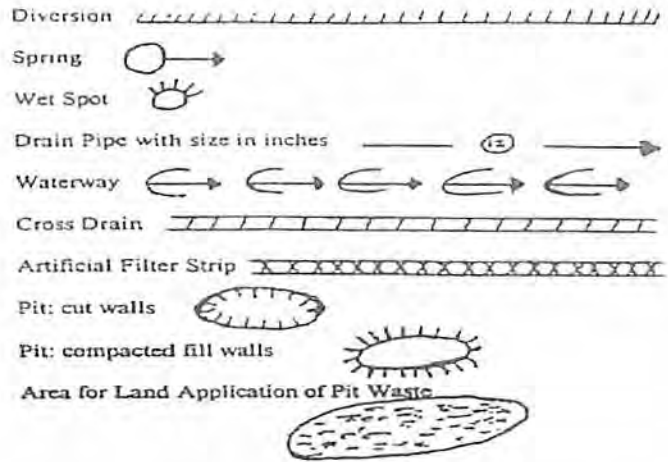
My commission expires 11/19/18



05/16/2014



LEGEND



Proposed Revegetation Treatment: Acres Disturbed >1 Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 6.5

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

Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
KY 31 Fescue	40	same as Area I	
Alsike Clover	5		
Annual Rye	16		

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

Photocopied section of involved 7.5' topographic sheet.

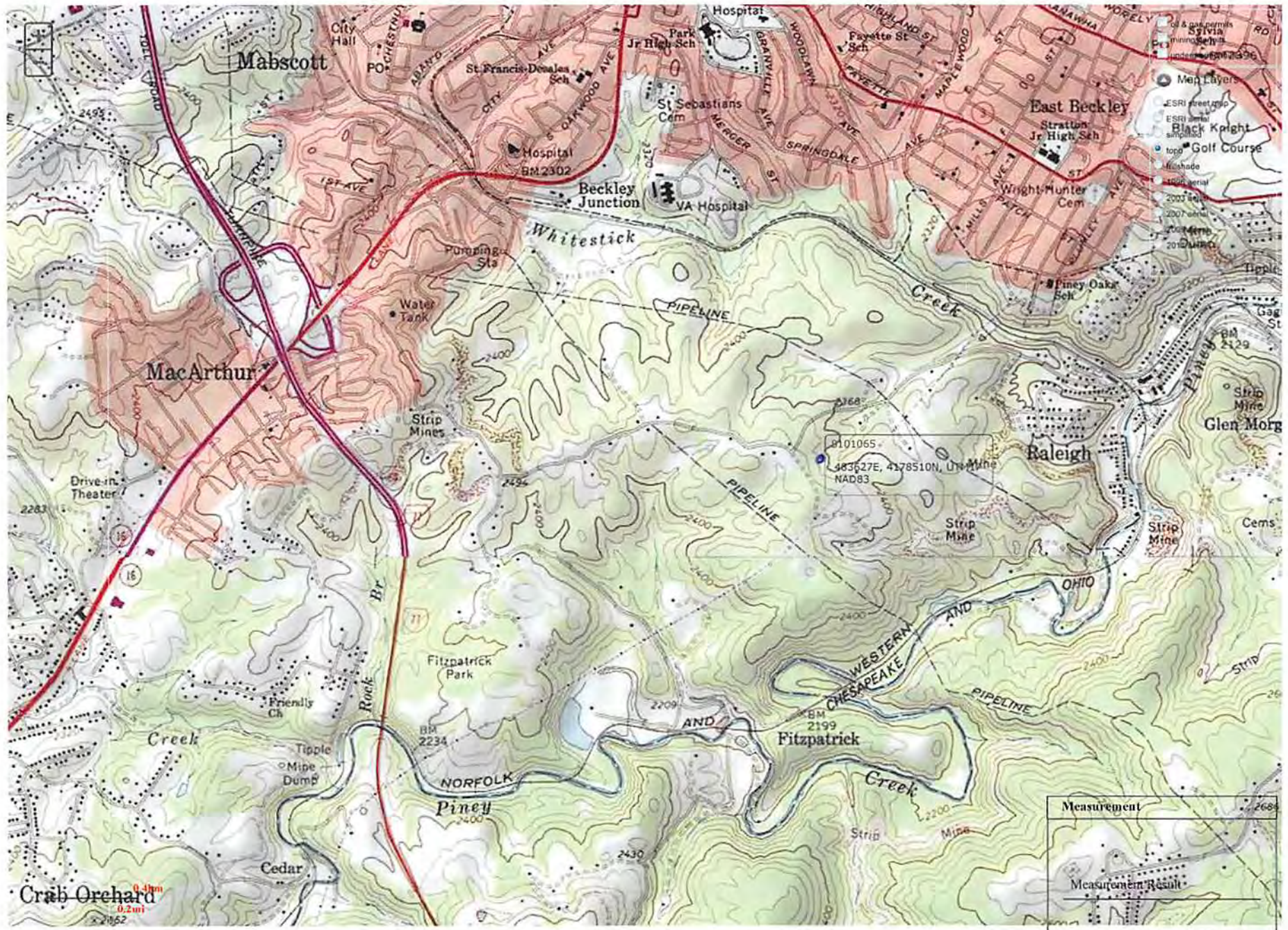
Plan Approved by: *Henry Kennedy*

Comments: _____ APR 17 2014

Title: Inspector Date: 2/28/14

Field Reviewed? () Yes () No

Office of Oil and Gas
WV Dept. of Environmental Protection



45901018

WW-7
8-30-06



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

API: 47-081-01065 WELL NO.: 116

FARM NAME: Beaver Coal

RESPONSIBLE PARTY NAME: Exco Resources PA LLC.

COUNTY: Raleigh DISTRICT: Town

QUADRANGLE: Beckley 7.5

SURFACE OWNER: Beaver Coal Company

ROYALTY OWNER: Beaver Coal Company

UTM GPS NORTHING: 4178488.32

UTM GPS EASTING: 483632.32 GPS ELEVATION: 749.19 2458.1 FT.

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

Received

APR 17 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

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.

[Signature]
Signature

Construction Specialist
Title

1-21-14
Date