



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

June 27, 2014

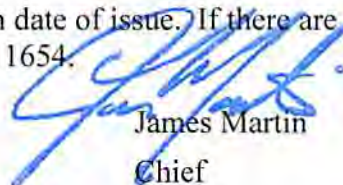
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4901520, issued to XTO ENERGY, INC., 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: CONSOL 1621
Farm Name: CONSOLIDATION COAL CO.
API Well Number: 47-4901520
Permit Type: Plugging
Date Issued: 06/27/2014

Promoting a healthy environment.

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.

1) Date 4/11, 2014
2) Operator's
Well No. Consol 1621
3) API Well No. 47-049 - 01520

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 X

5) Location: Elevation 1445' Watershed Bingamon Creek
District Mannington County Marion Quadrangle Wallace 7.5'

6) Well Operator XTO Energy Inc 7) Designated Agent Gary Beall
Address PO Box 1008 Address PO Box 1008
Jane Lew, WV 26378 Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bill Hendershot Name _____
Address 403 James Street Address _____
Mannington, WV 26582

OK
9/22/14
6/22/14

10) Work Order: The work order for the manner of plugging this well is as follows:
MORU and pull 2" tubing out, take off BHA, RIH and check TD at 3225', run tubing down to 3225' and circulate 6% gel back to surface, then pump cement up to 2650', perms are 3182' - 3174', 3012' - 2998' and 2815' - 2800', pull tubing up to 2600' and wait on cement to set up, RIH with small tools and tag T.O.C., then break circulation and pump cement from 2300' up to 2125'; perms are 2242' - 2238', pull tubing out of well and RIH with CBL to find free pipe, cut casing and circulate 6% gel back to surface, estimate cut at 1800', pump cement from 1800' up to 1600', bottom of 7" at 1696', pull casing up to 250' and cement to surface. Install monument.
Cement 3225' - 2650' = 575' in 4 1/2" casing - 9.5#, Cement 2300' - 2125' = 175' in 4 1/2"
Cement 1800' - 1600' = 200' in 7" casing, Cement 250' - 0' = 250' in 7" casing

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

Work order approved by inspector Bill Hendershot

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APR 28 2014
Date 4-22-14
Department of Environmental Protection

WR-35

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Office of Oil & Gas

JUN 15 2009

4961520P

Date June 11, 2009
API # 47 - 049 - 01520 - F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Consolidation Coal Co. Operator Well No.: Consol 1621 Frac

LOCATION: Elevation: 1,435' Quadrangle: Wallace
District: Mannington County: Marion
Latitude: 10,880' feet South of 39 DEG. 30 MIN. 00 SEC.
Longitude: 3'650' feet West of 80 DEG. 22 MIN. 30 SEC.

Company: Linn Operating, LLC
PO Box 1008
Jane Lew, WV 26378

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	42'	42'	
9 5/8"	845'	845'	280 sks CTS
7"	1,696'	1,696'	256 sks CTS
4 1/2"	3,233'	3,233'	
	<i>Free Point to Pull All</i>		
	<i>Free Casing</i>		

Agent: Gary Beall
Inspector: Bill Hatfield
Permit Issued: August 17, 2006
Well Work Commenced: September 5, 2006
Well Work Completed: September 5, 2006
Verbal Plugging: _____
Permission granted on:
Rotary X Cable _____
Total Depth (feet) 3395'
Fresh Water Depths (ft) N/A- Frac
Salt Water Depths (ft) N/A- Frac
Is coal being mined in area (Y/N)? N
Coal Depths (ft) N/A-Frac

OPEN FLOW DATA

Producing Formation 5th Sand, Gordon, 30' Sand, Big Injun

Gas: Initial Open Flow Show MCF/d
Final Open Flow Show MCF/d

Time of open flow between initial and final tests N/A Hours

Static rock pressure N/A psig surface pressure after 24 Hours

Pay Zone

Depth (ft) 2,238' - 3,182'

Oil: Initial Open Flow N/A Bbl/d
Final Open Flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock pressure N/A psig surface pressure after 24 Hours

Second Producing Formation _____

Pay Zone

Depth (ft) _____

Gas: Initial Open Flow _____ MCF/d
Final Open Flow _____ MCF/d

Oil: Initial Open Flow _____ Bbl/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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: Linn Operating, LLC

By: [Signature]

Date: 6-12-09

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Drilling Superintendent
APR 28 2014

WV Department of
Environmental Protection

4901520P

Stage	Formation	Depth & No. of Shots	Treatment Detail
	No fracture, natural production		

FORMATION	TOP	BOTTOM	REMARKS
Clay	0	7	
Fill Dirt	7	12	
Sand/Shale	12	24	
Sand	24	55	
Sand/Shale	55	75	
Sand	75	90	
Sand/Shale	90	110	
Red Rock	110	120	
Sand/Shale	120	180	
Sand	180	225	Dampness @ 190'
Sand/Shale	225	250	
Coal	250	255	
Sand/Shale	255	370	
Sand	370	420	
Sand/Shale	420	1050	Dampness @ 931'
Red Rock	1050	1065	
Sand/Shale	1065	1105	
Red Rock	1105	1115	
Sand/Shale	1115	1530	
Shale	1530	1740	
Sand/Shale	1740	2060	Gas 2043'
Little Lime	2060	2085	
Big Lime	2085	2260	
Injun	2260	2280	
Sand/Shale	2280	2740	Gas 2313', 2353'
50ft	2740	2750	
Sand/Shale	2750	2880	Gas 2851'
Gordon	2880	2885	
Sand/Shale	2885	3200	Gas 3152'
5th Sand	3200	3230	
Sand/Shale	3230	3395 TD	Gas 3302'

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Stage	Formation	Depth & No. of Shots	Treatment Detail
1	5th Sand	3,174' - 3,182' 24 Shots	X-Link w/N2 Assist: Breakdown 2,961 psi; Avg Treating 2,537 psi @ 27.6 bpm; 200 sacks 20/40 sand; 278 bbbls slurry- 10%N2; ISIP 2,002; 5min; 1,847; 10 min 1,823 psi
2	Gordon	2,998' - 3,012' 24 Shots	Attempt to break, would not- X-Link w/N2 Assist: Breakdown 4,000 psi; Avg Treating 3,425 psi @ 20 bpm; 67 sacks 20/40 sand; 187 bbbls slurry- 10%N2 (Screen Well Off); ISIP 4,000; Flow well back - re-spot acid for next stage.
3	30' Sand	2,800' - 2,815' 24 Shots	X-Link w/N2 Assist: Breakdown 4,280 psi; Avg Treating 3,217 psi @ 21.7 bpm; 71 sacks 20/40 sand; 385 bbbls slurry- 10%N2; ISIP 2,240; 5min; 1,950; 10 min 1,910 psi
4	Base of Big Injun	2,238' - 2,242' 16 Shots	X-Link w/N2 Assist: Breakdown 3,908 psi; Avg Treating 2,621 psi @ 14 bpm; 108 sacks 20/40 sand; 283 bbbls slurry- 10%N2; ISIP 1,774; 5min; 1,596 psi

FORMATION	TOP	BOTTOM	REMARKS
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Fracture/Stimulation Only

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WV Department of
Environmental Protection

4901320P

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Consol 1621

3) API Well No.: 47 - 049 - 01520

**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: ✓
(a) Name Consolidated Coal Company
Address 1000 CONSOL Energy Drive
Canonsburg, PA 15317-6506
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Bill Hendershot
Address 403 James Street
Mannington, WV 26582
Telephone 304-206-7750

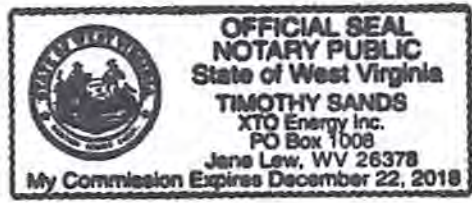
5) (a) Coal Operator ✓
Name Consolidated Coal Company
Address 1000 CONSOL Energy Drive
Canonsburg, PA 15317-6506
(b) Coal Owner(s) with Declaration ✓
Name Consolidated Coal Company
Address 1000 CONSOL Energy Drive
Canonsburg, PA 15317-6506
Name The Jim C Hamer Co. ✓
Address PO Box 418
Kenova, WV 25530
(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.



Well Operator XTO Energy Inc.
By: [Signature]
Its: Production Superintendent
Address PO Box 1008
Jane Lew, WV 26378
Telephone 304-884-6000

Subscribed and sworn before me this 8th day of April 2014
[Signature] Notary Public
My Commission Expires 12/22/18

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Office of Oil and Gas
APR 28 2014

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.

WV Department of Environmental Protection

4901520P

7012 1010 0002 5911 6482

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Total Postage & Fees	\$



The Jim C Hamer Co.
PO Box 418
Kenova, WV 25530

Consol
1621
Plugging
Application

or Instructions

7012 1010 0002 5911 6475

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$



Consolidated Coal Company
1000 Consol Energy Drive
Canonsburg, PA 15317-6506

Consol
1621
Plugging
Application

or Instruction

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WV Department of
Environmental Protection

4901520P CK1170
10000

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 049 - 01520
Operator's Well No. Consol 1621

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 XTO Energy Inc. OP Code 494487940

Watershed Bingamon Creek Quadrangle Wallace 7.5'

Elevation 1445' County Marion District Mannington

Description of anticipated Pit Waste: Fluids from plugging operations.

Will a synthetic liner be used in the pit? Yes 20 MIL

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 4707302523, 4708505151, 4708509721)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Meadowbrook Landfill SWF#1032, RES Water Recycling -WMGR123SW005 (PA))

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Gary Beall

Company Official Title Production Superintendent

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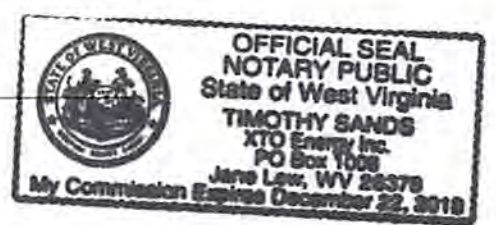
Subscribed and sworn before me this 8th day of April, 2014

APR 28 2014

[Signature]

Notary Public WV Department of Environmental Protection

My commission expires 12/22/18



LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed .30 +/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH _____

Fertilizer (10-20-20 or equivalent) 1000 lbs/acre (500 lbs minimum)

Mulch 3 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
Kentucky Bluegrass		20
Redtop		3
Birdsfoot Trefoil		10

Seed Type	Area II	lbs/acre
Kentucky Bluegrass		20
Redtop		3
Birdsfoot Trefoil		10

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Bill Newkirk

Comments: _____

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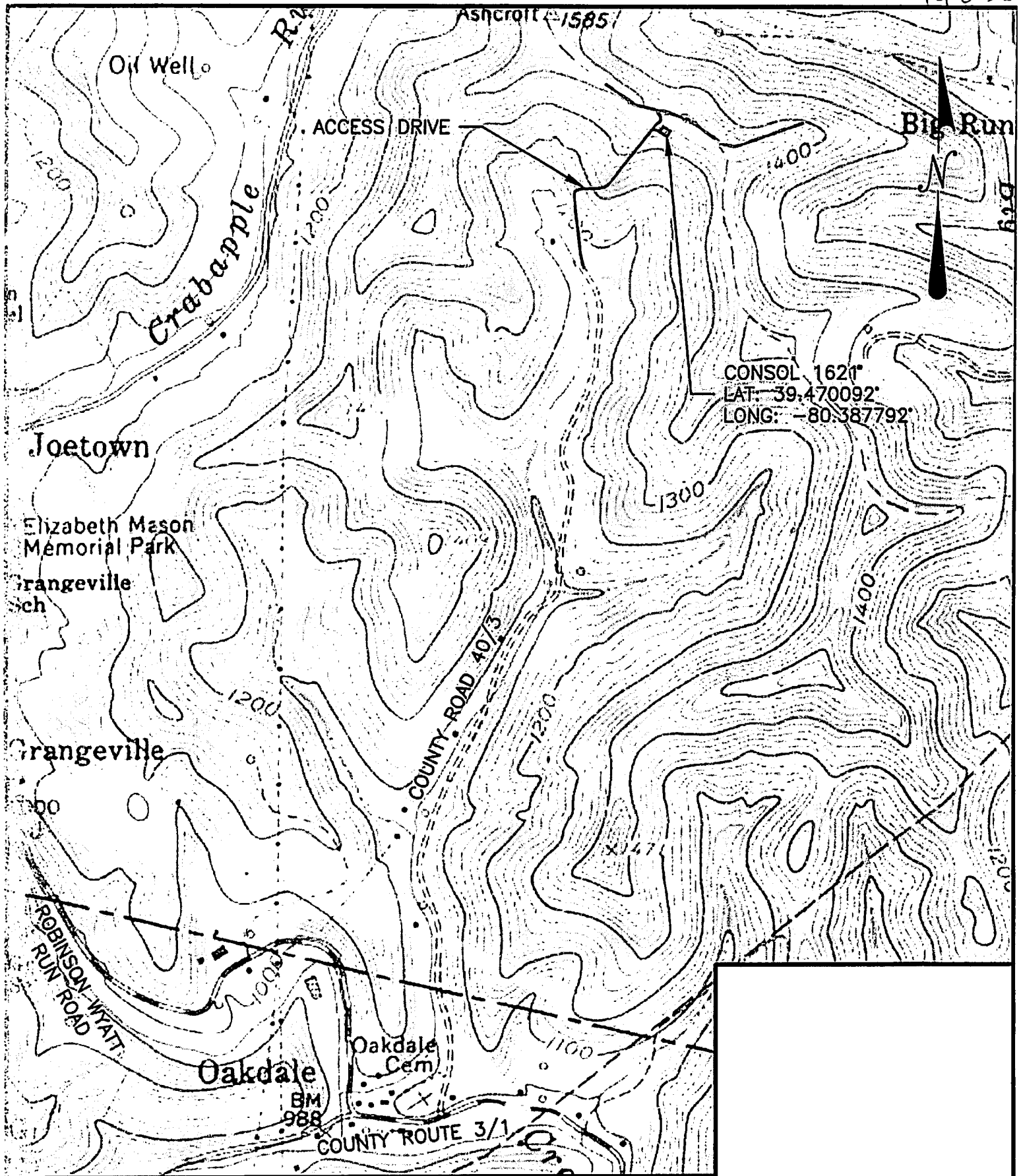
APR 28 2014

Title: Environmental Inspector

Date: 4-22-14

WV Department of
Environmental Protection

Field Reviewed? Yes No



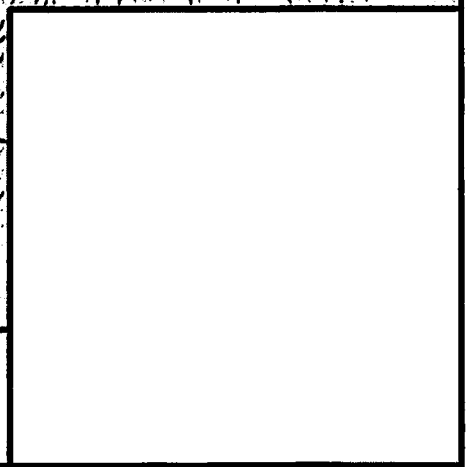
Scale: 1:1000

DESIGNED BY: JMH
 REVIEWED BY: JMV
 DRAWN BY: JMH
 DATE: 4/23/14
 PROJ. NO.:
 DRAWING NO.:

REVISION BY:	DATE:	DESCRIPTION:

Sheet No. 1

CONSOL 1621
 prepared for
XTO ENERGY, INC.
 situated
WISEMAS RUN ROAD, MARION COUNTY, WEST VIRGINIA
UBGS MAP - WALLACE QUADRANGLE



MKA Morris Knowles
 & Associates, Inc.
 Consulting Engineers and Surveyors
 443 Albion Drive
 Delmar, DE 19721
 Telephone: (301) 485-1422
 Fax: (301) 485-9029

WW-7
8-30-06



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

API: 47-049-01520 WELL NO.: 301412 (CONSOL 1621)

FARM NAME: Consolidation Coal Company

RESPONSIBLE PARTY NAME: XTO Energy, Inc.

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Wallace 7.5'

SURFACE OWNER: Consolidation Coal Company

ROYALTY OWNER: Jim C. Hamer Company

UTM GPS NORTHING: 4369120

UTM GPS EASTING: 552669 GPS ELEVATION: 440 m (1445 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

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.

Stacy O Brown
Signature

PS # 2180
Title

4/3/14
Date



WVDEP
Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

Re: Application to Plug and Abandon
Consol 1621
Mannington District
Marion County, WV

To Whom It May Concern:

In accordance with Article 22-6-23 of the West Virginia State Code regarding oil and gas operations, please find the attached application for the plugging and abandonment of the subject well. Notices of our intention to plug this wellbore have been sent to the surface owner, coal owners with declarations recorded, and coal operators associated with this well. Copies of the certified mail receipts are attached for your records. If you have any questions or need additional information, please feel free to contact me at 304-884-6000.

Sincerely,

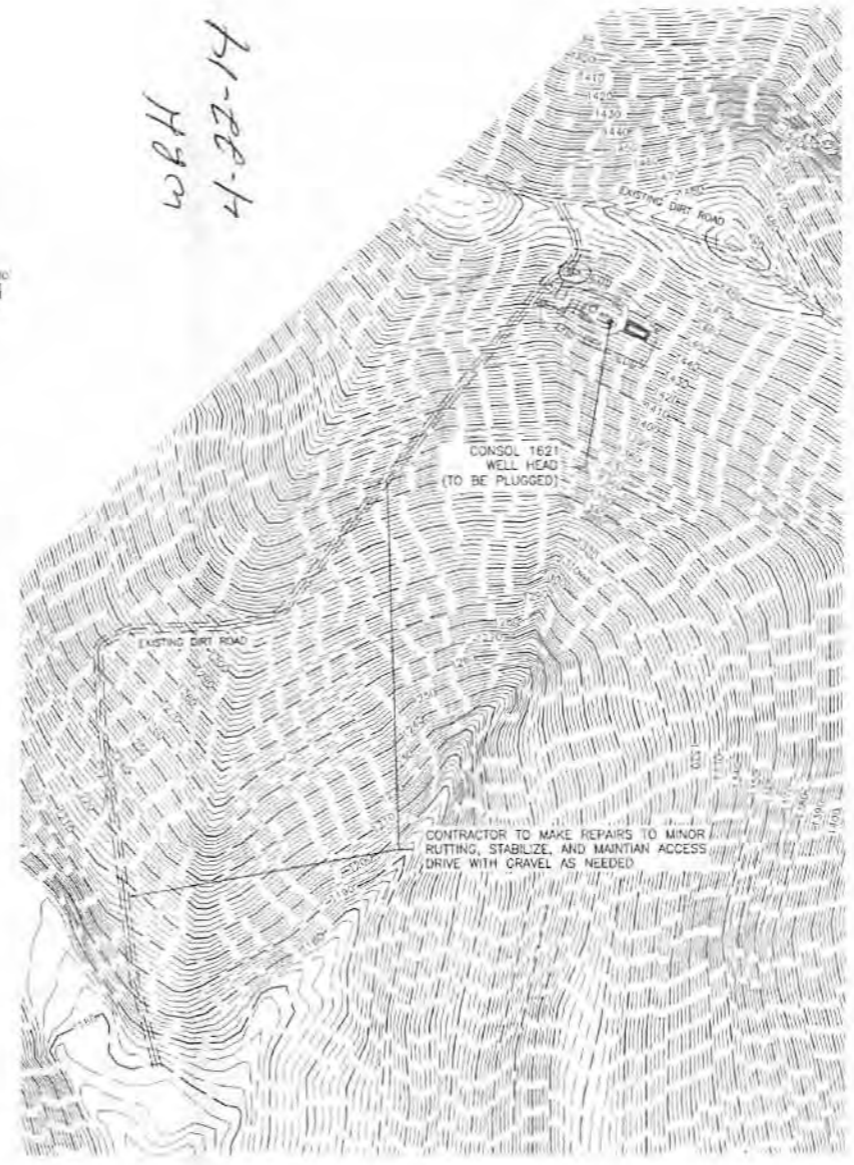
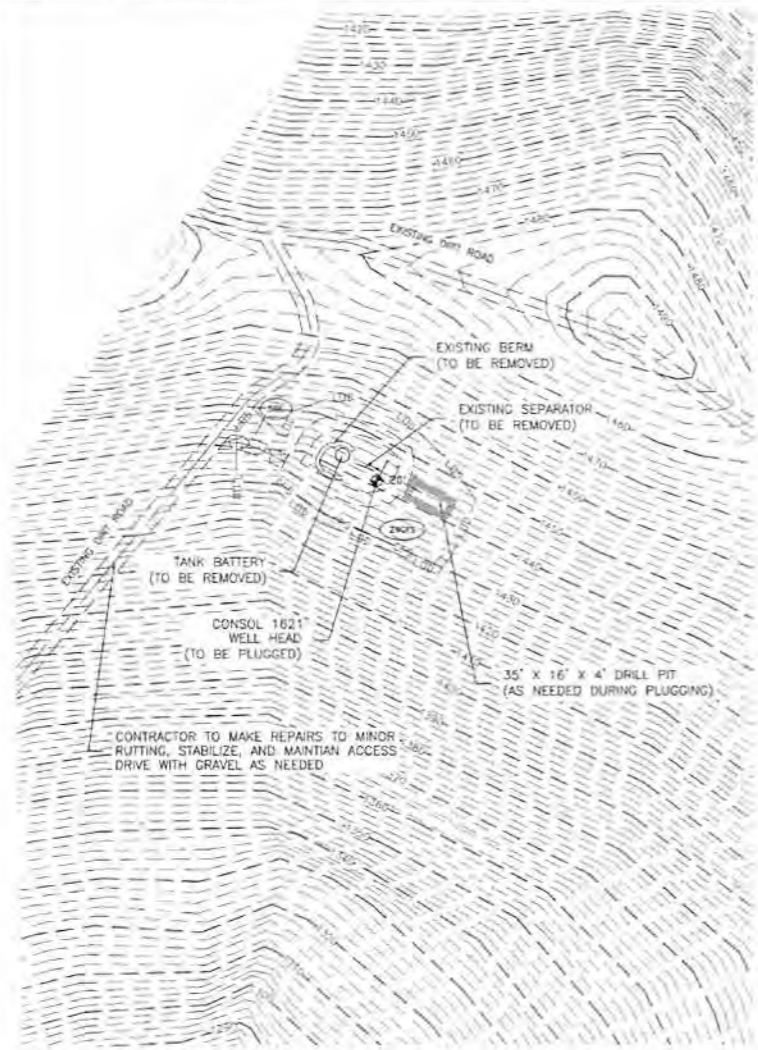
Gary Beall
PO Box 1008
Jane Lew, WV 26378

GB/tps

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WV Department of
Environmental Protection

49015204

WPH
4-27-14



LEGEND:

	IP	INLET PROTECTION
	12CFS	12' COMPOST FILTER SOCK
	18CFS	18' COMPOST FILTER SOCK
	24CFS	24' COMPOST FILTER SOCK
	30CFS	30' COMPOST FILTER SOCK
	36CFS	36' COMPOST FILTER SOCK
	CFSP	12' x 24' x 18' COMPOST FILTER SOCK PYRAMID
	SCX	STONE CONSTRUCTION ENTRANCE
	RF	ROCK FILTER
	RC	ROCK CHANNEL OUTLET PROTECTION
	PC	PERMANENT CHANNEL
	TC	TEMPORARY CHANNEL
		EXISTING CONTOUR LINES
		PROPOSED CONTOUR LINES
		EXISTING PROPERTY LINES

- NOTES:**
1. ASSUME UNIFORM 4" OF TOPSOIL
 2. EROSION CONTROL BLANKETS TO BE INSTALLED ON ALL CUT AND FILL SLOPES OF 3:1 OR STEEPER.

FLOOD ZONE:
 ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, MAP NUMBER 540400020, EFFECTIVE DATE: JUNE 19, 2012, THE SUBJECT PROPERTIES LIES WITHIN ZONE X WHICH IS DEFINED ON SAID MAP AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN".

- CONSTRUCTION SEQUENCE, CONSOL 1621:**
- STAGE 1: INSTALL ROCK CONSTRUCTION ENTRANCE AT COUNTY ROUTE 40/3.**
 A. EXCAVATE FOR, AND FORM ENTRANCE.
 B. IMMEDIATELY STABILIZE ENTRANCE WITH ROCK.
- STAGE 2: INSTALL 24" COMPOST FILTER SOCK.**
- STAGE 3: INSTALL DRILL PIT (AS NEEDED)**
- STAGE 4: STABILIZE, REPAIR, AND MAINTAIN ACCESS DRIVE WITH GRAVEL AS NEEDED.**
- STAGE 5: EXISTING DRIVE AND DRILL PIT TO BE RECLAIMED WHEN DONE.**
- STAGE 6: SEED AND MULCH**
 A. SEED/MULCH EXISTING ACCESS DRIVE AREA WITH SPECIFIED SEEDING MIXTURE. ALL E & S CONTROL FACILITIES SHALL BE MAINTAINED AND KEPT FUNCTIONAL UNTIL SITE STABILIZATION IS COMPLETE.



CALL BEFORE YOU DIG
 IN WEST VIRGINIA
 1-800-245-4588

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN 48 HOURS IN ADVANCE OF EXCAVATION (WV CHAPTER 24C-1-5, UNDERGROUND FACILITY DAMAGE PREVENTION ACT)

WV STATE LAW REQUIRES
 2 WORKING DAYS NOTICE

MORRIS KNOWLES & ASSOCIATES, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR MANIPULATED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT PERMISSION AND CONSENT OF MORRIS KNOWLES & ASSOCIATES, INC.

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.



REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
REVISION BY: _____	DATE: _____	DESCRIPTION: _____
DESIGNED BY: JMH	DATE: JAN 2014	PROJ. NO. _____
DRAWN BY: JMH	DATE: JAN 2014	DRAWING NO. _____
SCALE:	SEE DWG	
 Morris Knowles & Associates, Inc. Consulting Engineers and Land Surveyors 1000 11th Street, Suite 100 Charleston, WV 25301 Tel: 304.763.8888		
CONSOL 1621 prepared for XTO ENERGY, INC. estimated		
WISEMAS RUN ROAD, MARION COUNTY, WEST VIRGINIA EROSION AND SEDIMENT CONTROL PLAN		
DRAWING NO. _____		
SHEET NO. ES-2		

