



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Friday, August 26, 2016
WELL WORK PERMIT
Vertical / Plugging - 2

XTO ENERGY, INC.
810 HOUSTON STREET

FORT WORTH, TX 76102

Re: Permit approval for 1 (KE O6)
47-033-01930-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number: 1 (KE O6)
Farm Name: ROBINSON, I
U.S. WELL NUMBER: 47-033-01930-00-00
Vertical / Plugging - 2
Date Issued: 8/26/2016

Promoting a healthy environment.

08/26/2016

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.

WW-4B
Rev. 2/01

1) Date July 12, 2016
2) Operator's
Well No. 1 (KE 06)
3) API Well No. 47-033 - 01930

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 1045' Watershed 0502000303
District Eagle - 4 County Harrison Quadrangle Wallace - 655
- 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 Sam Ward Name _____
Address PO Box 2327 Address _____
Buckhannon, WV 26201

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

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Office of Oil and Gas

JUL 22 2016

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

WV Department of
Environmental Protection

Work order approved by inspector [Signature] Date 7/14/2016

08/26/2016

3301930P

47-033-01930

Plugging Procedure

	RIH with 2" tubing to 4518'
	Gel - 4518 - Surface
	Cement - 4518 - 4400' = 118' x 0.0163 = 2 bbls = 12 sks
	"No Perfs"
	Gel - 4400' - 3560'
	Cement - 3560' - 3000' = 560' x 0.0163 = 9.1 bbl = 45 sks
	Perfs - 3506' - 3155' - Tag cement Plug
	Pull 2" tubing out
	RIH to CBL 4.5" casing - T.O.C. est at 2700'
	Cut 4.5" - 2700 - 6% gel to surface.
	Cement - 2700' - 2550' = 150' x 0.0602 = 9 bbl = 44 sks
	6% gel - 2550' - 2400'
	Cement - 2400' - 2200' = 200' x 0.0602 = 12 bbl = 58 sks
	Gel - 2200' - 1750'
	Cement - 1750' - 1550' = 200' x 0.0602 = 12 bbl = 58 sks
	Gel - 1550' - 1180'
Bottom of 8 5/8" at 1121'	Cement - 1180' - 1045' ^{980'} = 135' ^{200'} = 8.7 bbl = 44 sks *
	Gel - 1045' ^{980'} - 150' ^{250'}
	Cement - 250' - Surface = 150' x 0.0637 = 9.6 bbls = 46 sks
	8 5/8" cemented to surface. - Install well monument
	Total Cement - 307 sks
	Bentonite - 2000#

Sum 8/25/16

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7/14/16

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OG-10
Rev. - 9-71



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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MAR 12 1979

Oil and Gas Division
WELL RECORD 18

OIL & GAS DIVISION
DEPT. OF MINES
Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Wallace
Permit No. HAR-1930

Company Doran & Associates, Inc.
Address 728 Washington Road, Pgh., PA
Farm Inez Robinson Acres 178
Location (waters) Bingamin Creek
Well No. B-1342 (K-E-6) Elev. 1041'
District Eagle County Harrison
The surface of tract is owned in fee by Inez P. Robinson
Address Mannington, WV 26582
Mineral rights are owned by Inez P. Robinson
Address Mannington, WV
Drilling Commenced October 23, 1978
Drilling Completed October 29, 1978
Initial open flow 119 cu. ft. -- bbls.
Final production 291 cu. ft. per day -- bbls.
Well open 72 hrs. before test 1375 RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10 11 3/4'	43'	43'	
9 5/8			
8 5/8	1121'	1121'	200 sks.
7			
5 1/2			
4 1/2	4518'	4581'	250 sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Stimulation Record:

Interval Perforated:	FROM	TO	AMT. FLUID	AMT. SAND
DATE: 11-9-78	3402	- 3506	541 BBLs.	60,000#
	3155	- 3189	504 BBLs.	51,000#

Coal was encountered at 220' & 1010' Feet _____ Inches
Fresh water 30' Feet _____ Salt Water _____ Feet _____
Producing Sand 1st Balltown - Speechley Depth 3416' - 3145'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	20		
Sand			20	120	Water @ 30'	
Sandy Shale			120	185		
Sand			185	220		
Coal			220	222		
Sand			222	230		
Sandy Shale			230	280		
Sand			280	295		
Sandy Shale			295	300		
Sand			300	340		
Sandy Shale & Red Rock			340	800		
Sand			800	850		
Sandy Shale			850	920		
Sand			920	1010		
Coal			1010	1014		
Sand			1014	1075		

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08/26/2016

(over)

* Indicates Electric Log tops in the remark section.

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Formation	Color	Hard or Soft	Top Feet ¹⁸	Bottom Feet	Oil, Gas or Water	Remarks
Sandy Shale			1075	1090		
Sand			1090	1130		
Sandy Shale			1130	1150		
Sand			1150	1225		
Sandy Shale			1225	1315		
Sand			1315	1330		
Sandy Shale			1330	1360		
Sand			1360	1385		
Red Rock			1385	1400		
Sandy Shale			1400	1465		
Little Lime			1465	1480		
Shale			1480	1525		
Big Lime			1525	1645		
Sand			1645	1690		
Sandy Shale			1690	2215		
Sand			2215	2310		
Sandy Shale			2310	2955		
Sand			2955	3040		
Sandy Shale			3040	4685	Gas @ 3850' & 4440'	
Sand			4685	4705		
Sandy Shale			4705	4816		
Drillers' T. D.				4816		
Speechley			3145	3202		
1st Balltown			3416	3540		
2nd Balltown			3630	3778		
Sheffield			4025	4070		
Bradford			4168	4284		
Riley			4555	4600		
Benson			4698	4734		
Loggers' T.D.				4824		

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08/26/2016

DATE Feb. 20 1979
APPROVED Donald R. Laughlin Owner
By Prod & Engr. - Mgr.
(Title)

WW-4A
Revised 6-07

1) Date: 7/19/16
2) Operator's Well Number
1 (KE 06) _____
3) API Well No.: 47 - 033 - 01930

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

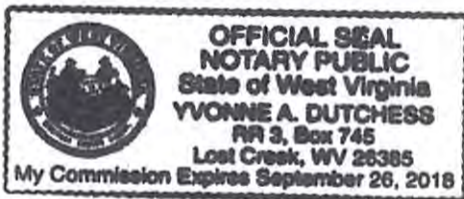
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Kimberly Ann Stevens</u>	Name _____
Address <u>37 Little Indian Run Rd.</u>	Address _____
<u>Mannington, WV 26582</u>	
(b) Name <u>John Delara Jr. & Richard Granato</u>	(b) Coal Owner(s) with Declaration
Address <u>176 Club Sofia Rd</u>	Name <u>Consolidation Coal Company</u>
<u>Uniontown, PA 15401</u>	Address <u>c/o Leatherwood, Inc.</u>
(c) Name _____	<u>CNX Center</u>
Address _____	Name <u>1000 Consol Energy Drive</u>
	Address <u>Canonsburg, PA 15317</u>
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2327</u>	Name <u>American Mountaineer Energy, Inc. (Attn: Jason D. Witt)</u>
<u>Buckhannon, WV 26201</u>	Address <u>46226 National Rd.</u>
Telephone <u>304-389-7583</u>	<u>St. Clairsville, OH 43902</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 XTO Energy Inc.
 By: [Signature]
 Its: Regulatory Compliance Technician
 Address PO Box 1008
Jane Lew, WV 26378
 Telephone 304-884-6000

Subscribed and sworn before me this 19th day of July, 2016
Yvonne A. Dutches Notary Public
 My Commission Expires September 26, 2018

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.

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JUL 22 2016
WV Department of Environmental Protection

08/26/2016

WW-9
(5/16)

API Number 47 - 033 - 01930
Operator's Well No. 1 (KE 06)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name XTO Energy Inc. OP Code 494487940
Watershed (HUC 10) 0502000303 Quadrangle Wallace

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No TS 8/25/16

If so, please describe anticipated pit waste: Fluids from plugging operations. NA - TS 8/25/16

Will a synthetic liner be used in the pit? Yes No If so, what ml.? Yes - 20 mil. NA - TS 8/25/16

Proposed Disposal Method For Treated Pit Wastes: ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS BEFORE HAULING OFF SITE. 9/22/16

- Land Application (if selected provide a completed form WW-9-GPP)
- 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))

Will closed loop system be used? If so, describe: NA

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7/14/16

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA - Plugging

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? NA

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Any solid waste from plugging will be taken to landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA

-Landfill or offsite name/permit number? Meadowbrook Landfill SWF#1032

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 Tim Sands

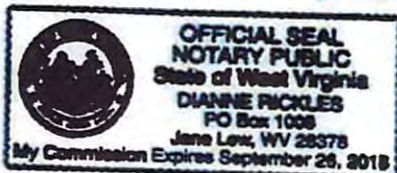
Company Official (Typed Name) Tim Sands

Company Official Title Regulatory Compliance Technician

Subscribed and sworn before me this 12th day of July, 2016

Dianne Pickles Notary Public

My commission expires September 26, 2018



08/26/2016

Form WW-9

Operator's Well No. 1 (KE 06)

Proposed Revegetation Treatment: Acres Disturbed .40 +/- Prevegetation pH _____

Lime according to PH test Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Annual Ryegrass</u>	<u>40</u>	<u>Ladino Clover</u>	<u>30</u>
		<u>Serecia Lespedeza</u>	<u>25</u>
		<u>Tall Fescue</u>	<u>2</u>

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

S. P. DeWane III

Comments: _____

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WV Department of
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Title: OAG Inspector

Date: 7/14/2016

Field Reviewed? () Yes

(X) No

08/26/2016

WW-9- GPP
Rev. 5/16

Page _____ of _____
API Number 47 - 033 - 01930
Operator's Well No. 1 (KE 06)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
GROUNDWATER PROTECTION PLAN

Operator Name: XTO Energy Inc.

Watershed (HUC 10): 0502000303 Quad: Wallace

Farm Name: Robinson, I

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Fluids will not be land applied.

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

NA

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

NA

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

NA

- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

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08/26/2016

NA

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

NA

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

NA

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

NA

Signature: *T. Sam*

Date: 7/12/16

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08/26/2016

3301930P

ROBINSON, I 1 WELL PLUGGING PROJECT EROSION AND SEDIMENT CONTROL PLAN XTO ENERGY, INC.

PROJECT OWNER/APPLICANT

XTO ENERGY, INC.
PO BOX 1008
JANE LEV, WV 26378
PH (304) 884-6036
CONTACT TIM SANDS

DESIGNER

DISTRICT FOUR
PH (304) 842-3501
CONTACT RAY URST - DISTRICT ENGINEER

CVE ENGINEER

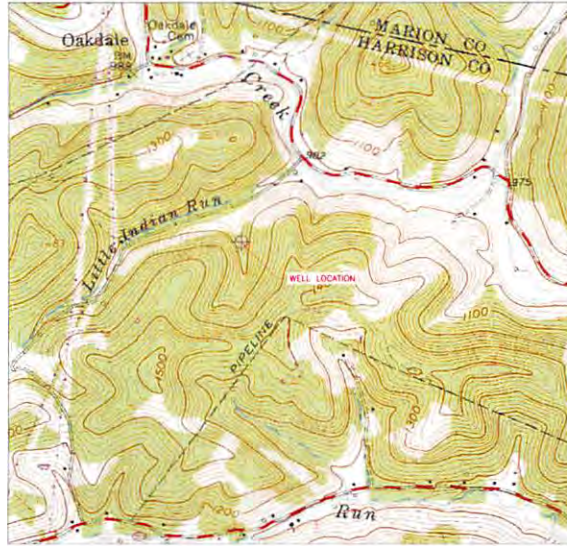
CIVIL & ENVIRONMENTAL
CONSULTANTS, INC.
600 MARKETPLACE AVE - SUITE 200
BRIDGEPORT, WV 26330
PH (304) 833-3119
CONTACT STEVEN A. CAIN, P.E.

SPILL HOTLINE

WEST VIRGINIA DEPARTMENT OF
ENVIRONMENTAL PROTECTION (WVDEP)
PH (800) 642-3074
NATIONAL RESPONSE CENTER
PH (800) 426-8862

LOCAL EMERGENCY SERVICES		
AMBULANCE	NAME	TELEPHONE NO.
HOSPITAL EMERGENCY ROOM	UNITED HOSPITAL CENTER	(887) 342-000
FIRE DEPARTMENT	SHINNSTON FIRE DEPARTMENT	(304) 392-851
POLICE DEPARTMENT		911
DURSON CONCRETE CONER	WEST VIRGINIA PIGSON CENTER	(800) 722-722

(LOCATION OF WELL)



LOCATION MAP
WALLACE USGS 7.5 QUAD
SCALE IN FEET
1 INCH = 1000 FEET



VICINITY MAP
HARRISON COUNTY ROAD MAPS
SCALE IN FEET
1 INCH = 1 MILE



SHEET INDEX	
SHEET 1 OF 4	COVER SHEET
SHEET 2 OF 4	EROSION AND SEDIMENT CONTROL PLAN ALLEYS
SHEET 3 OF 4	EROSION AND SEDIMENT CONTROL PLAN
SHEET 4 OF 4	EROSION AND SEDIMENT CONTROL PLAN DETAILS

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSII Z39-21 SHEETS FOR REPRODUCTION AT THE ORIGINAL SCALE.

THE PLANS HAVE BEEN CREATED FOR PLOT OR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.



ESTIMATED QUANTITIES					
	EST. QTY	UNITS	BIQ QTY	UNIT PRICE	TOTAL COST
STANDARD CONSTRUCTION ENTRANCE	730	SP			
EMERGENCY ENTRANCE	1	EA			
PERMANENT SEDIMENT	1,045	SY			
12' CURB AND GUTTER	112	LF			
ORANGE CONSTRUCTION FENCE	88	LF			

SEE DIMENSIONS ON PLAN DRAWINGS

RECEIVED GAS

SDW 7/11/16

Department of

West Virginia

Environmental Protection

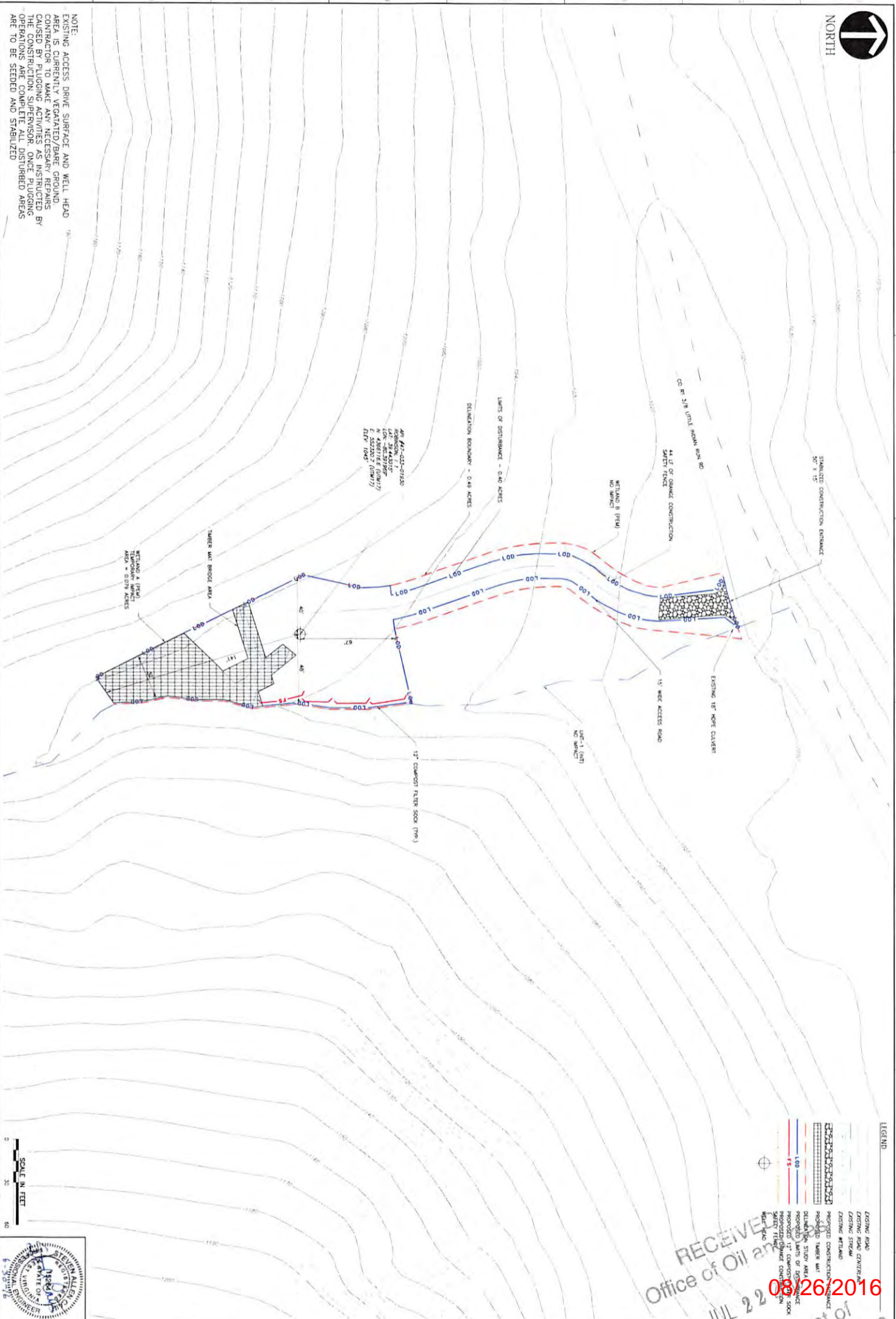


Civil & Environmental Consultants, Inc.

XTO ENERGY, INC.
ROBINSON, I 1 WELL PLUGGING
EAGLE DISTRICT
HARRISON COUNTY, WV



COVER SHEET	DATE: 06/06/2016	BY: JCS
	DATE: 06/06/2016	BY: ASH
	DATE: 06/06/2016	BY: JCS
	DATE: 06/06/2016	BY: JCS



NOTE:
 EXISTING ACCESS DRIVE SURFACE AND WELL HEAD AREA IS CURRENTLY VEGETATED/BARE GROUND. VEGETATION AND BARE GROUND SHALL BE RESTORED TO ORIGINAL CONDITION AND PROTECTED BY THE CONSTRUCTION SUPERVISOR. ONCE PLUGGING OPERATIONS ARE COMPLETE ALL DISTURBED AREAS ARE TO BE SEEDED AND STABILIZED.

AP #1-033-01330
 ROBINSON LOT 11
 LON. -86.3978667
 N. 43.5555 (100%)
 ELEV. 1045'

WETLAND A (PSM)
 TIMBER MAT BROOD AREA
 AREA = 0.079 ACRES

TIMBER MAT BROOD AREA

17' COMPOST FILTER SOCK (TYP.)

LOT 1 (PRT)
 NO IMPACT

WETLAND B (PSM)
 NO IMPACT

15' WIDE ACCESS ROAD

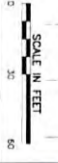
EXISTING 12" HOPE CULVERT

STABILIZED CONSTRUCTION ENTRANCE
 50' x 15'

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 Office of Oil and Gas
 JUL 22 2016
 08/26/2016

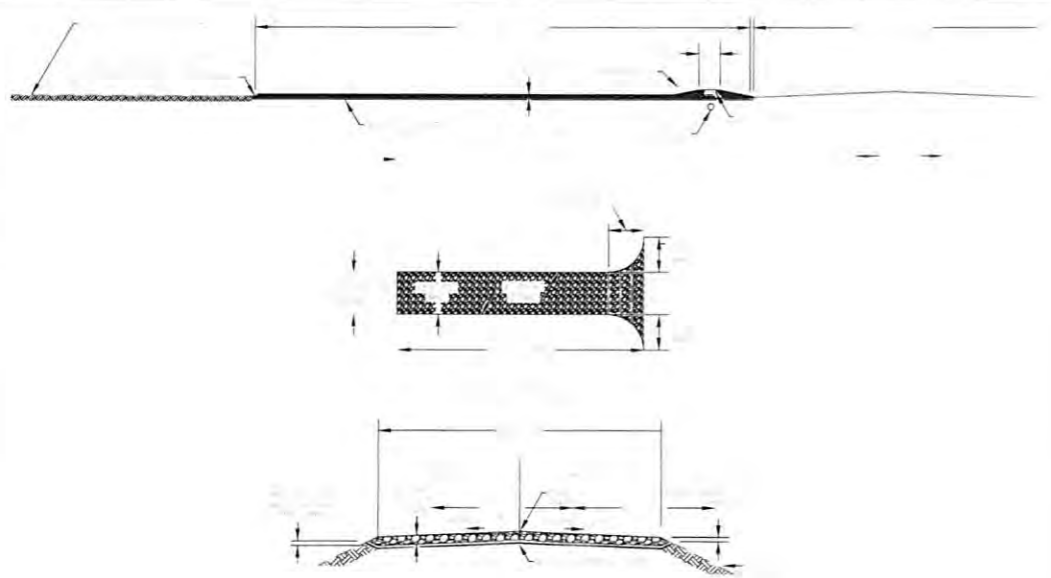
LEGEND

	PROPOSED CONSTRUCTION ENTRANCE
	PROPOSED TIMBER MAT
	PROPOSED LOTS OF DISTURBANCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED DILUTION BOUNDARY
	EXISTING ROAD CENTERLINE
	EXISTING STAKEOUT
	EXISTING WETLAND
	PROPOSED CONSTRUCTION ENTRANCE
	PROPOSED TIMBER MAT
	PROPOSED LOTS OF DISTURBANCE
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED DILUTION BOUNDARY
	EXISTING ROAD CENTERLINE
	EXISTING STAKEOUT
	EXISTING WETLAND

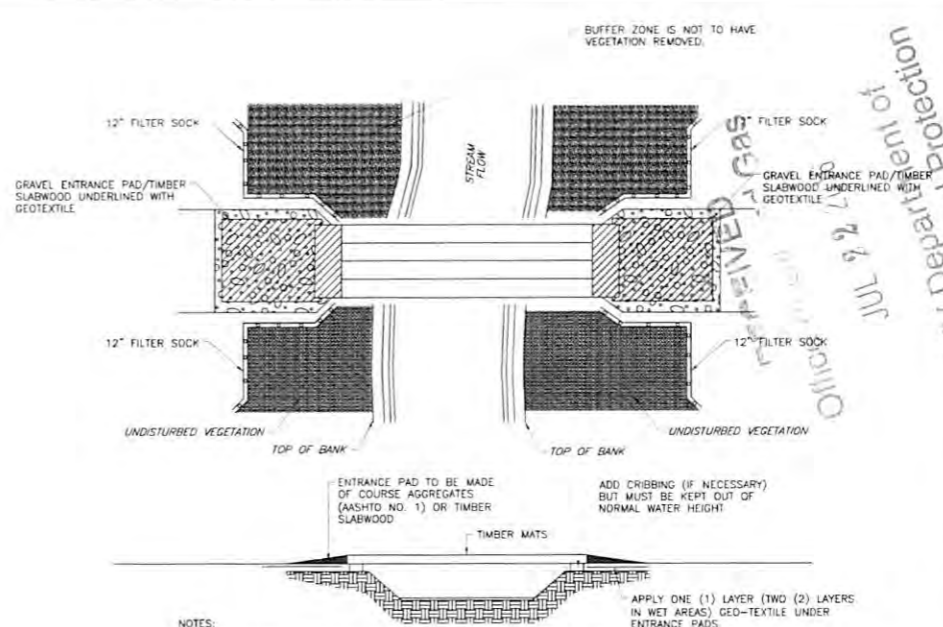


EROSION & SEDIMENT CONTROL PLAN XTO ENERGY, INC. ROBINSON, 11 WELL PLUGGING EAGLE DISTRICT HARRISON COUNTY, WV		 Civil & Environmental Consultants, Inc.	REVISIONS NO. DATE 1 2 3
DATE: 21-NE-2016 DRAWN BY: CCK DATE: 21-NE-2016 AS SHOWN: ZMD PROJECT NO: 161-210 APPROVED BY: SAC	DATE: 21-NE-2016 DRAWN BY: CCK DATE: 21-NE-2016 AS SHOWN: ZMD PROJECT NO: 161-210 APPROVED BY: SAC	DATE: 21-NE-2016 DRAWN BY: CCK DATE: 21-NE-2016 AS SHOWN: ZMD PROJECT NO: 161-210 APPROVED BY: SAC	DATE: 21-NE-2016 DRAWN BY: CCK DATE: 21-NE-2016 AS SHOWN: ZMD PROJECT NO: 161-210 APPROVED BY: SAC

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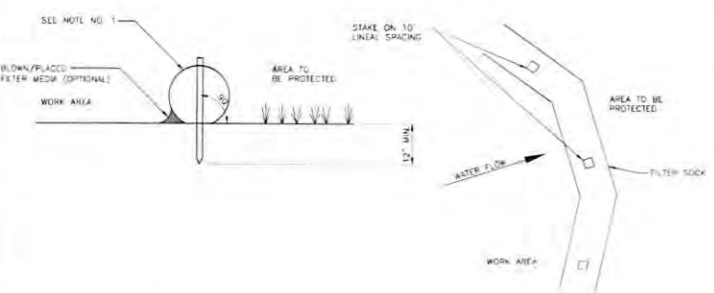


DETAIL 1
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



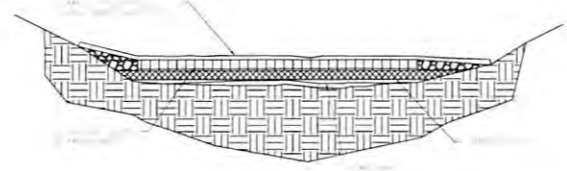
- NOTES:
- 1.) ONLY CLEARING EQUIPMENT AND EQUIPMENT NECESSARY FOR INSTALLATION OF EQUIPMENT BRIDGES MAY CROSS WATER BODIES PRIOR TO BRIDGE INSTALLATION. LIMIT THE CROSSING OF EACH WATER BODY TO ONE PER PIECE OF CLEARING EQUIPMENT.
 - 2.) INSTALL 12" FILTER SOCK ACROSS THE DISTURBED AREA OF THE RIGHT - OF - WAY.
 - 3.) APPLY GEO - TEXTILE UNDER ENTRANCE PADS.
 - 4.) EXCESS MUD IS TO BE REMOVED FROM THE ENTRANCE PADS AND MATS DURING CONSTRUCTION.
 - 5.) SECURE GEO-TEXTILE TO UNDER SIDE OF TIMBER MATS AND WRAP/SECURE TO SIDES TO PREVENT SEDIMENT/MUD FROM MIGRATION THROUGH MATS TO PROTECTED AREA BELOW.
 - 6.) DURING FINAL CLEAN UP WHEN MATS, CULVERT, CLEAN ROCK FILL, ETC. ARE REMOVED, INSTALL FILTER FENCE ACROSS THE ENTIRE RIGHT - OF -WAY ON BOTH SIDES OF STREAM.

DETAIL 2
TEMPORARY TIMBER MAT STREAM CROSSING DETAIL
NOT TO SCALE

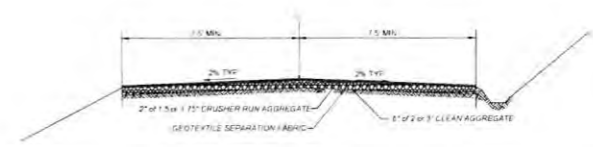


- NOTE:
1. COMPOST FILTER SOCK TO BE FILTECK SALSOCK OR APPROVED EQUIVALENT
 2. 12", 18", 24", and 30" COMPOST FILTER SOCK TO BE USED - SEE PLAN SHEET FOR SIZES AND LOCATIONS
 3. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF WHEN IT REACHES 5/8 THE ABOVE GROUND HEIGHT OF THE COMPOST FILTER SOCK
 4. COMPOST FILTER SOCK SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT. DAMAGED COMPOST FILTER SOCK SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION
 5. COMPOST FILTER SOCK SHALL BE INSTALLED ON THE CONTOUR PERPENDICULAR TO FLOW

DETAIL 3
COMPOST FILTER SOCK
NOT TO SCALE



DETAIL 4
TIMBER MAT BRIDGE FOR WETLAND CROSSING
NOT TO SCALE



DETAIL 5
TYPICAL CONSTRUCTION ACCESS ROAD REPAIR
NOT TO SCALE

- NOTES:
- EXISTING ACCESS DRIVE IS CURRENTLY VEGETATED. THE CONTRACTOR SHALL MAKE REPAIRS TO MINOR RUTTING WITHIN THE ACCESS ROAD PER THIS DETAIL OR AS INSTRUCTED BY THE CONSTRUCTION SUPERVISOR. THE ACCESS ROAD IS TO BE STABILIZED AND MAINTAINED THROUGHOUT CONSTRUCTION AS DIRECTED BY THE CONSTRUCTION SUPERVISOR. ONCE THE WORK IS COMPLETE, ANY DISTURBED AREAS MUST BE SEEDED AND STABILIZED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN NOTES.

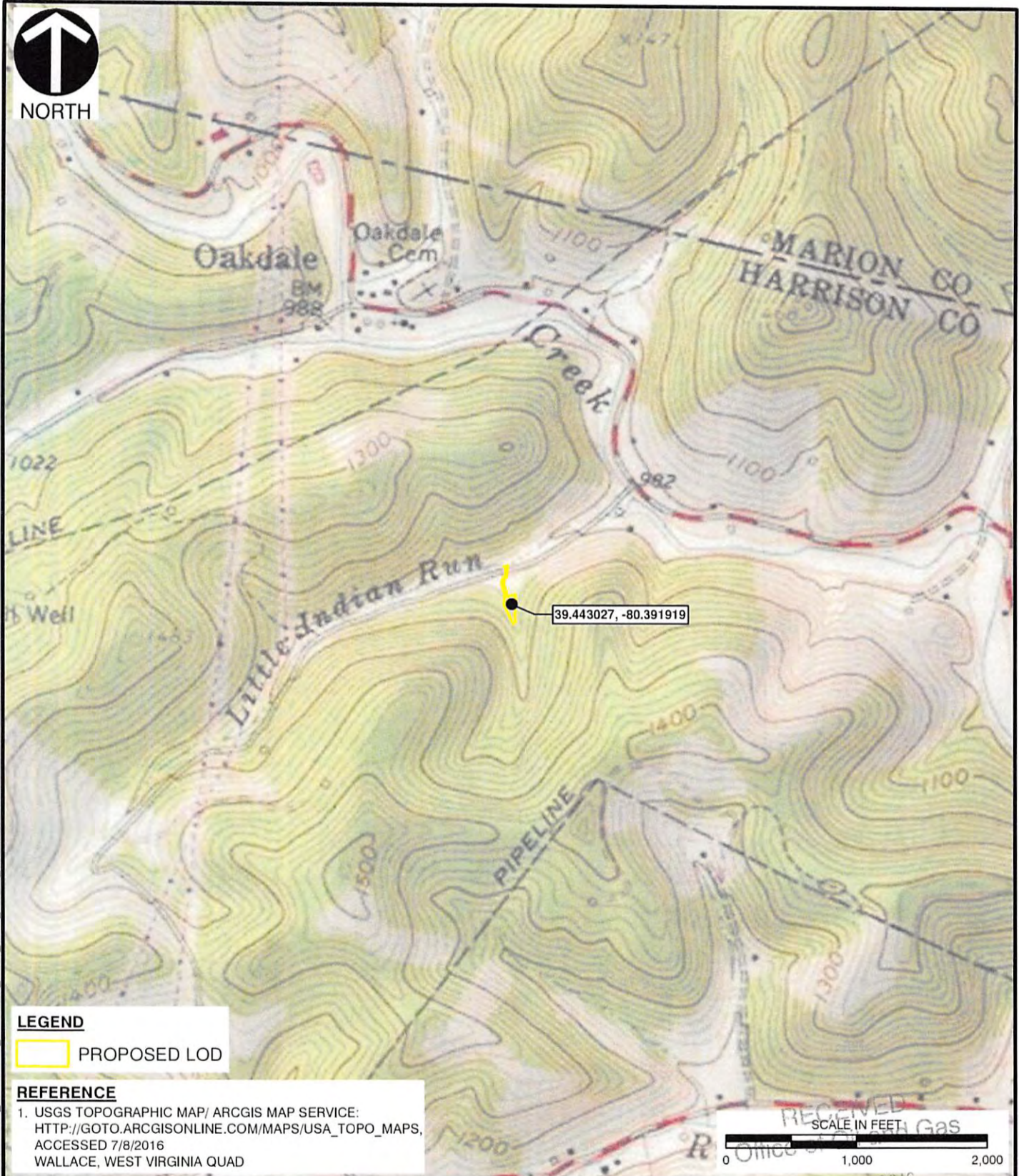


Environmental Protection
JUL 2 2008
Office of Environmental Protection
REVISION: RPT-010
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
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XTO ENERGY, INC.
ROBINSON, I I WELL PLUGGING
FACILE DISTRICT
HARRISON COUNTY, WV

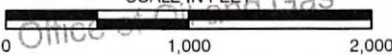
EROSION & SEDIMENT CONTROL PLAN DETAILS

DATE	BY	CHECKED
10/20/07	SAK	SAK
10/20/07	SAK	SAK



LEGEND
 PROPOSED LOD

REFERENCE
 1. USGS TOPOGRAPHIC MAP/ ARCGIS MAP SERVICE:
[HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS](http://gto.arcgis.com/maps/usa_topo_maps),
 ACCESSED 7/8/2016
 WALLACE, WEST VIRGINIA QUAD

RECEIVED
 SCALE IN FEET

 0 1,000 2,000

I:\svr-bridgeport\161-210-GIS\Maps\Task_0001\NWP_3161210_0001_FIG1_NWP3_SITE.mxd - 7/8/2016 - 8:15:13 AM (ghuckuck)


Civil & Environmental Consultants, Inc.
 600 Marketplace Avenue, Suite 200 - Bridgeport, WV 26330-9121
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XTO ENERGY, INC.
 ROBINSON I,1 WELL PLUGGING
 HARRISON COUNTY, WEST VIRGINIA
 RECEIVED
 JUL 22 2016
 WV Department of Environmental Protection

USGS SITE LOCATION MAP

DRAWN BY: GSK	CHECKED BY: JDK	APPROVED BY: SAC	FIGURE NO: 1
DATE: 07/08/2016	SCALE: 1" = 1,000'	PROJECT NO: 161-210.0001	08/26/2016

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-033-01930 WELL NO.: 1 (KE O6)

FARM NAME: Robinson, I

RESPONSIBLE PARTY NAME: XTO Energy, Inc.

COUNTY: Harrison DISTRICT: Eagle - 04

QUADRANGLE: Wallace - 655

SURFACE OWNER: Kimberly Ann Stevens

ROYALTY OWNER: WV Wesleyan College, Richard C Brook Trust, Delbert Gail Robinson, Jim C. Hamer Company

UTM GPS NORTHING: 4366116.6

UTM GPS EASTING: 552320.7 GPS ELEVATION: 319 m (1045')

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.

Signature

Project Manager
Title

July 5, 2016
Date
Office of Oil and Gas
Department of Environmental Protection

RECEIVED
JUL 22 2016

08/26/2016