

## 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

October 21, 2015

## WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-4902407, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: ROCKWELL 1H

Farm Name: ROBINSON, ALLEN H.

API Well Number: 47-4902407

Permit Type: Horizontal 6A Well

Date Issued: 10/21/2015

WW-6B (04/15)

API NO. 47		
<b>OPERATOR WELL</b>	NO.	Rockwell 1H
Well Pad Name:	Rockw	ell Pad

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

					7	W.
1) Well Opera	tor: XTO Ene	rgy Inc.	494487940	Marion	Manning	Shinnston
	-		Operator ID	County	District	Quadrangle
2) Operator's	Well Number: 1	Rockwell 1H	Well P	ad Name: Ro	ckwell Pad	
3) Farm Name	/Surface Owner	r: Allen Robinso	on Public Ro	oad Access: H	arrison County Rt	. 3 (Robinson Wyatt Run)
4) Elevation, c	current ground:	1,258'	Elevation, proposed	d post-constru	ction: 1,245'	
5) Well Type	(a) Gas X Other	Oil	Un	derground Sto	rage	
	(b)If Gas S	hallow X	Deep			
	ŀ	Iorizontal X				
6) Existing Pa	d: Yes or No No	10		200		
			nticipated Thickness nticipated Thickness:	The same of the sa		650 psi
8) Proposed To	otal Vertical De	epth: 7,500'				
9) Formation a	nt Total Vertical	Depth: Marcel	lus			
10) Proposed	Total Measured	Depth: 13,660	)'			
11) Proposed I	Horizontal Leg	Length: 5,743'				
12) Approxima	ate Fresh Water	Strata Depths:	145', 185', 390			
13) Method to	Determine Fres	sh Water Depths:	Offsetting Repor	ts		
14) Approxima	ate Saltwater Do	epths: None Lis	ted			
15) Approxima	ate Coal Seam I	Depths: 455'				
16) Approxima	ate Depth to Pos	ssible Void (coal	mine, karst, other):	455'		
the part of the same of the sa		on contain coal s to an active mine		1	No X	
(a) If Yes, pro	ovide Mine Info	: Name:				
		Depth:				
		Seam:				
		Owner:		- 17		
			l	OR H 7-28-18		
			5	7-28-15	5	

Office of Oil and Gas SEP 0 3 2015

WV Department of Environmental Protection

WW-6B (04/15) API NO. 47-\_\_\_ OPERATOR WELL NO. Rockwell 1H
Well Pad Name: Rockwell Pad

18)

## CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	PE&B	95	40	40	59
Fresh Water	13.375	13.375 New H40		48	500	500	452
Coal							
Intermediate	9.625	New	J55	36	3,100	3,100	1,262
Production	5.5	New	J55	20	13,660	13,660	Lead 2,281'/Tail 6,000'
Tubing							
Liners							
			1				

WRW 8-28-15

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	28	0.375	940	40	Standard	1.19
Fresh Water	13.375	17.5	0.33	1730	410	Standard	1.19
Coal							
Intermediate	9.625	12.25	0.352	3520	2520	Standard	1.19
Production	5.5	8.5	0.361	12640	6090	50:50 POZ /Class H Tail	1.13 / 1.18
Tubing							
Liners							

**PACKERS** 

Office of Oil and
SEP 0 3 2015
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Office of Oll and Gas

SEP 0 3 2015

WV Department of Environmental Protection

WW-6B
(10/14)

API NO. 47-049\_02407

OPERATOR WELL NO. Rockwell 1H

Well Pad Name: Rockwell Pad

19	Describe	proposed	well w	vork, i	including	the drilling	g and p	lugging	back of	any pilo	t hole:
	,	LL		, .			5 P			, p	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Drill a new horizontal Marcellus well, utilizing synthetic mud and a closed loop system for both drilling and completion. Install new casing with centralizers.

## 20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

1. Acid Stage - Typically 1500 gallons of 7.5% hydrochloric acid to clear the perforation path in the wellbore. 1500 gals 15% HCl acid. 2. Sand / Proppant Stages - Several stages of pumping water combined with sand at a targeted 80 bpm rate. The highest pressure and rate anticipated is 9,500 psig and 100 bpm. The sand size may vary from 100 mesh to30/50 mesh size. 12,500 bbls slick water with 220,000 lbs 40/70, 270,000 lbs 100 mesh sands and 2,200 gals FR 133, 1,500 gals Bioplex 301 and 1,500 gals Bioplex 301 and 1,190 gals antiscale 30. 3. Flush Stage - Slickwater water stage to fill the wellbore to flush the sand from the wellbore. Depending on the water quality, a biocide, friction reducer, iron control, and scale inhibitor may be injected during the completion as well.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres); 36.035 +/-
- 22) Area to be disturbed for well pad only, less access road (acres): 7.1 +/-

23) Describe centralizer placement for each casing string:

Conductor: None

Fresh Water: Every 3rd joint from shoe to surface Mine: Every 3rd joint from shoe to surface (if applicable) Intermediate: Every 3rd joint from shoe to surface

Production: Every 3rd joint from shoe to 1,000' above the kick-off point

24) Describe all cement additives associated with each cement type:

Conductor: None

Fresh Water: Calclum Chloride and super flake
Mine: Calcium Chloride and super flake (if applicable)
Intermediate: Calcium Chloride and super flake

Production: Calcium Chloride, Bentonite, super flake, Air-Out, CR-1, FL-300, SEC10

## 25) Proposed borehole conditioning procedures:

Conductor: Hole is auger drilled: No conditioning required.

Fresh Water: Condition hole with air at TD until visibly clean, run casing, circulate and clear 1.5x pipe volume with fresh water before cementing.

Mine: Condition hole with air at TD until visibly clean, run casing, circulate and clear 1.5x pipe volume with water before cementing (if applicable).

Intermediate: Condition hole with air at TD until visibly clean, run casing, circulate and clear 1.5x pipe volume with water before cementing. Production: Circulate hole with synthetic based drilling fluid at TD (1 bottoms up the Garit ARDO) of lateral drilled). TOOH and circulate minimum of 1 bottoms up and until returns are minimal at the base of the curve of the c

\*Note: Attach additional sheets as needed.

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WW-6B (10/14)

API NO. 47-OPERATOR WELL NO. Rockwell 1H Well Pad Name: Rockwell Pad

19) D	escribe	proposed '	well work,	including	the drilling	and plu	igging l	back of	any p	ilot h	ole:

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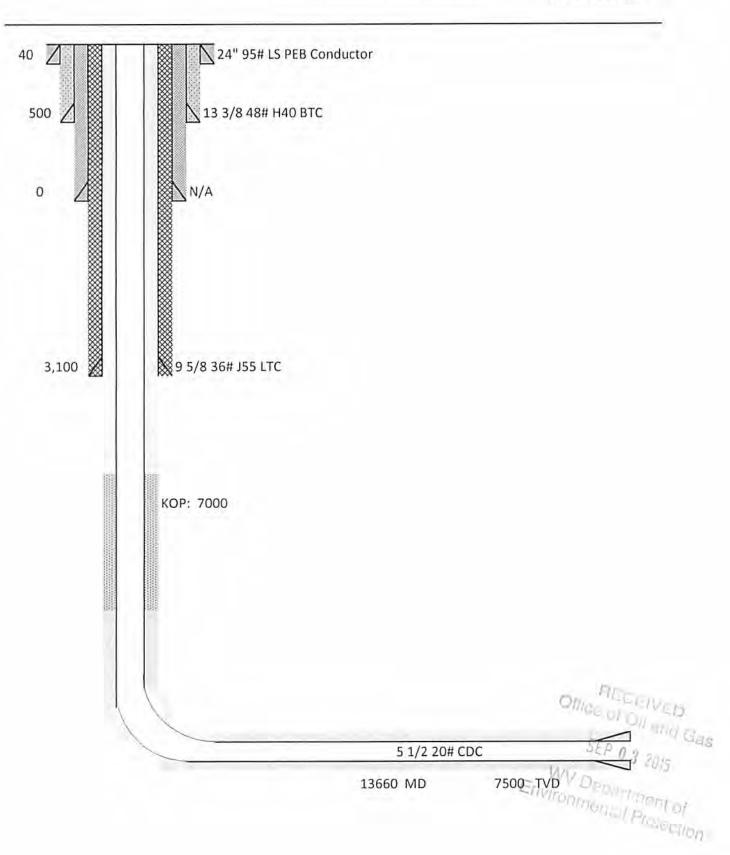
Mine: Condition hole with air at TD until visibly clean, run casing, circulate and clear 1.5x pipe volume with water before cementing (if applicable).

Intermediate: Condition hole with air at TD until visibly clean, run casing, circulate and clear 1.5x pipe volume with water before cementing. Production: Circulate hole with synthetic based drilling fluid at TD (1 bottoms up for each 2,000' of lateral drilled). TOOH and circulate minimum of 1 bottoms up and until returns are minimal at the base of the curve. Run casing, circulate and ensure good returns before cementing.

\*Note: Attach additional sheets as needed.



## ROCKWELL A 1H Marion County, West Virginia



#### Rockwell 1H - Mine Void Encounter Plan

Per communications with the WV Geology and Economic Survey there is a possible mine void in the Pittsburgh Coal seam adjacent to the Rockwell Pad in Marion County, WV. In preparation for the possibility of drilling through the mine void, we will nipple up an annular preventer to be able to handle any flow should the void actually be encountered. We would expect it to come in around 455' TVD from GL. We plan to set 13 3/8" casing as a surface/coal protective string ~50' below the base of this void.

A cement basket will be run as close as possible to the top of the void.

A cement balance job will be performed to cement the shoe and the annulus below the mine if circulation cannot be established. A grout cement job will be performed on the annulus to cement above the mine.

Once cemented in place, we will continue on with our normal casing design, which would be to set 9 5/8" intermediate casing at ~3100'.

Morgan O'Brien Drilling Engineer XTO Appalachia Cell: 724-272-8097

Morgan\_OBrien@xtoenergy.com

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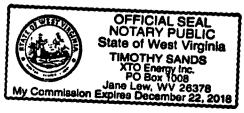
WW-9 (2/15)

API Number 47 - \_\_\_\_ - \_\_\_ Operator's Well No. Rockwell 1H

# 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) Bingamon Creek	
Do you anticipate using more than 5,000 bbls of water to complete	
Will a pit be used? Yes No	, me proposed went moint.
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes ?	No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Off Site Disposal (Supply form WW-9	lumber 4707302523. 4705500319. 4708505151. 4706509721. 3416720577. 3412124037. 3405320968 )  P for disposal location)
One (Explain	
Will closed loop system be used? If so, describe:	tem would entail 2 centrifuges & another cutting drying method: grinder, drying shakers or verti-g mud.
Drilling medium anticipated for this well (vertical and horizontal)	
-If oil based, what type? Synthetic, petroleum, etc. Synth	
Additives to be used in drilling medium? See additional page	
Drill cuttings disposal method? Leave in pit, landfill, removed of	fsite, etcLandfill
-If left in pit and plan to solidify what medium will be us	ed? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number? Meadowbrook La	andfill - #SWF 1032
Permittee shall provide written notice to the Office of Oil and Gas West Virginia solid waste facility. The notice shall be provided with where it was properly disposed.	
on August 1, 2005, by the Office of Oil and Gas of the West Virgi provisions of the permit are enforceable by law. Violations of a law or regulation can lead to enforcement action.  I certify under penalty of law that I have personally exapplication form and all attachments thereto and that, based of	· · · · · · · · · · · · · · · · · · ·
	Car The LatveD
Company Official Title Production Superintendent	Oilles or Oil and Gas
Subscribed and sworn before me this 27* day of Ac	250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tuy Sam	Notary Public
My commission expires /2/22/18	Ethern John Colo Cito
	10/23/2015
	OFFICIAL SEAL



XTO Energy Inc.			Operators W	ell No. Rockwell 1H
Proposed Revegetation Treatme	ent: Acres Disturbe	d 36.035 +/-	Prevegetation pl	
Lime 2-4	Tons/acre or to c	correct to pH		
Fertilizer type 10-20	-20 or Equivalent			
Fertilizer amount 500	)	lbs/acre		
Mulch 2-3		Tons/acre		
		Seed Mixtures		
Tem	porary		Perma	nent
Seed Type	lbs/acre		Seed Type	lbs/acre
Per plans				
Drawing(s) of road, location, porovided)  Photocopied section of involve  Plan Approved by:	ed 7.5' topographic sl	heet.	less engineered plans inc	
Drawing(s) of road, location, p provided)  Photocopied section of involve  Plan Approved by:	ed 7.5' topographic sl	heet.		
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Drawing(s) of road, location, p provided)  Photocopied section of involve  Plan Approved by:	ed 7.5' topographic sl	heet.		
Attach: Drawing(s) of road, location, p provided)  Photocopied section of involve  Plan Approved by:  Comments:	ed 7.5' topographic sl	heet.		
Drawing(s) of road, location, p provided)  Photocopied section of involve  Plan Approved by:	ed 7.5' topographic sl	heet.		
Drawing(s) of road, location, p provided)  Photocopied section of involve  Plan Approved by:	ed 7.5' topographic sl	heet.		
Drawing(s) of road, location, p provided)  Photocopied section of involve  Plan Approved by:  Comments:  Title: E D J CO Mean	ed 7.5' topographic sl	heet.		

SEP 0 3 2015 10/23/2015 WV Department of Environmental Protection

## XTO Energy Inc. Well Site Safety Plan

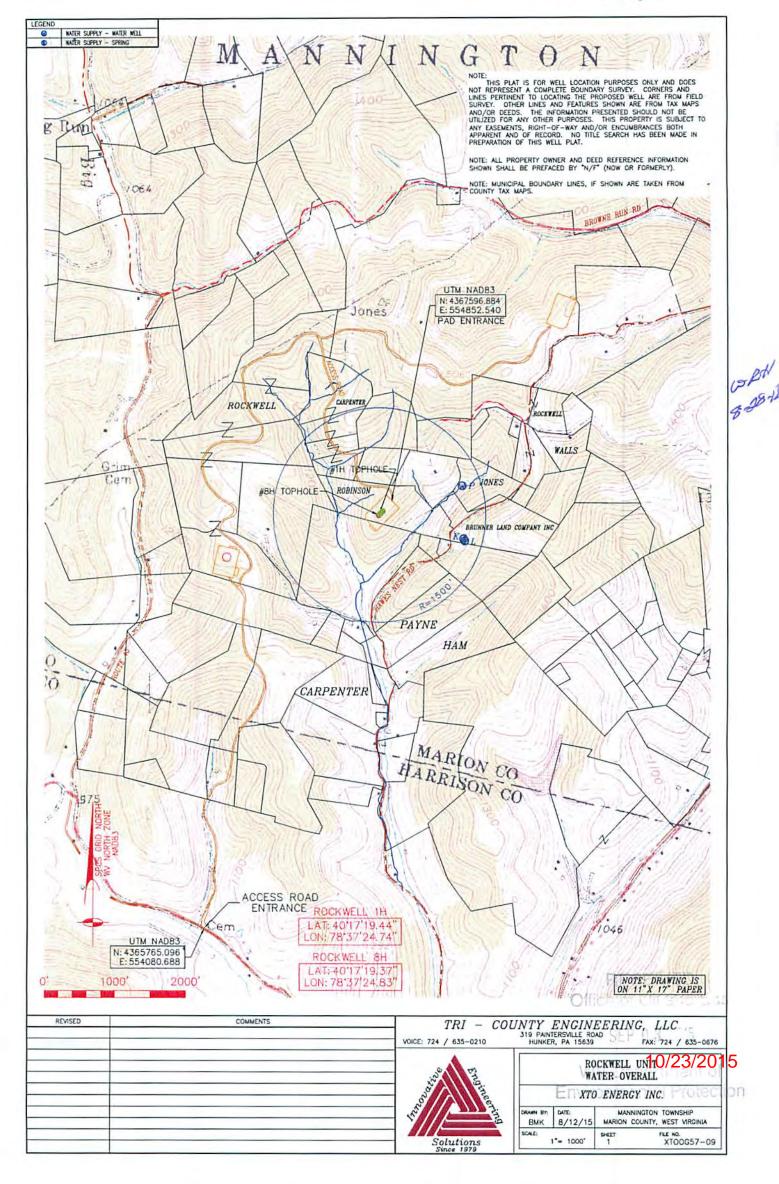
Rockwell 1H Rockwell Pad

39.455571 -80.363151

790 Hawks Nest Rd. Mannington, WV 26582

WRH 15

Office of Chi and Gas
SEP 03 - 3
TABLE TO STATE TO STATE



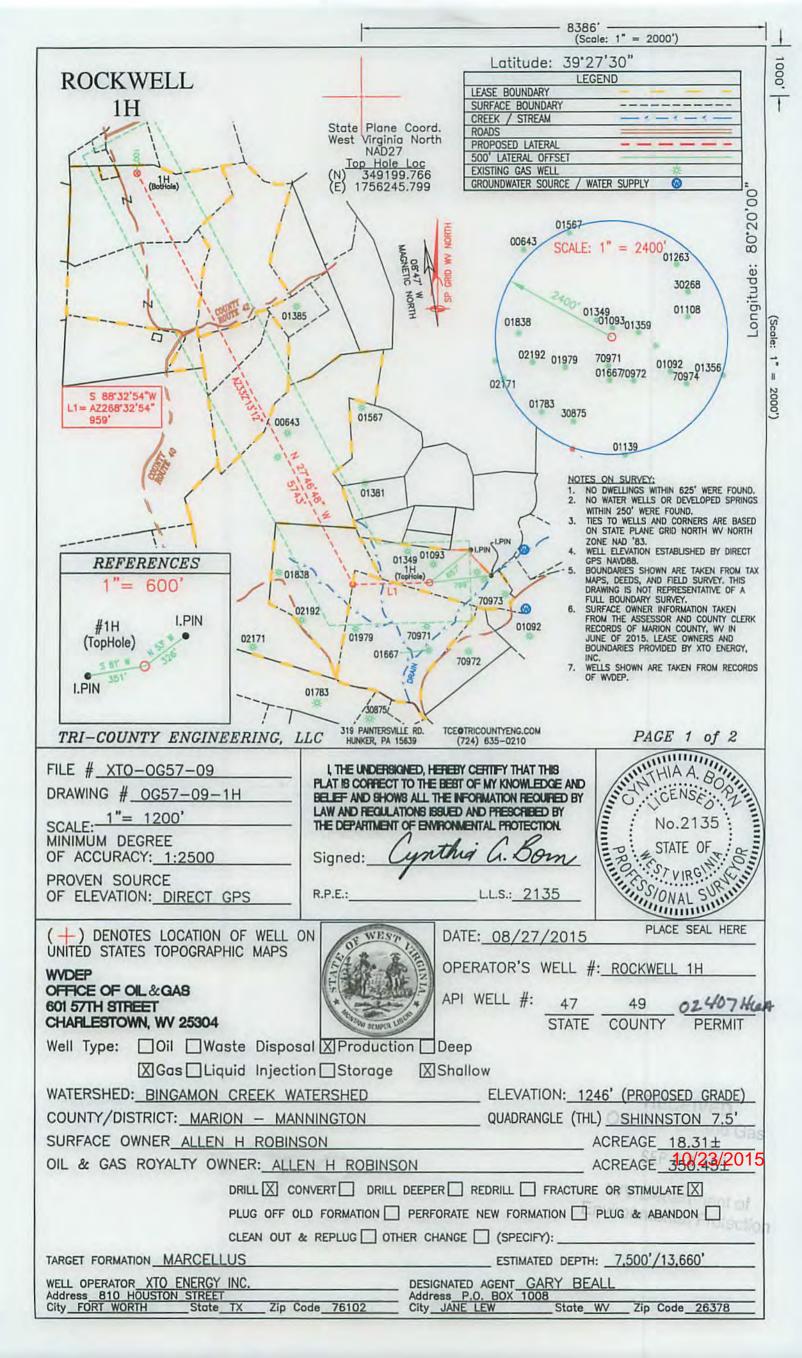
XTO ENERGY INC.

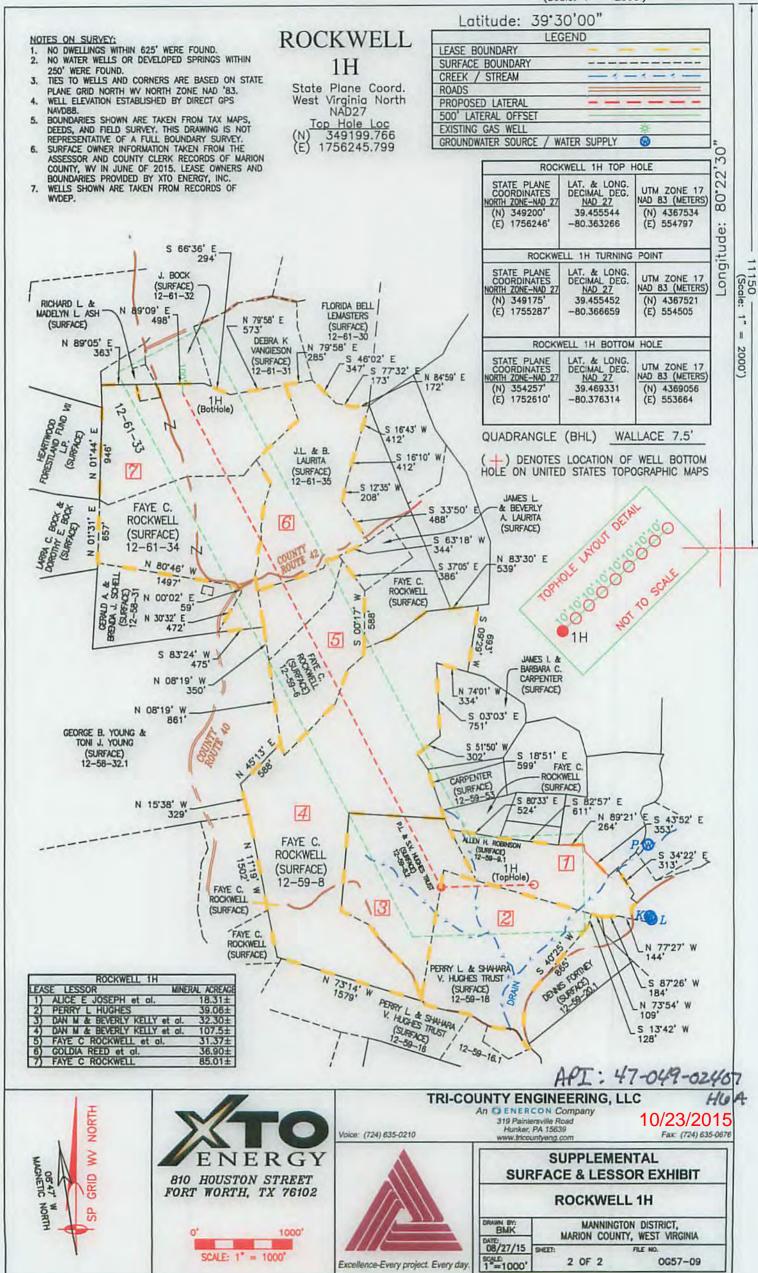
XTOOG57-09

ROCKWELL WATER OFFSET

(1500' OFFSET)

POINT	SOURCE	NAME	MAILING ADDRESS	CITY	STATE	ZIP	BEARING	DISTANCE	PARCE	EL ID WITHING 3000'
К	WELL & CITY	BRUNNER LAND COMPANY INC	P O BOX 98	BYESVILLE	ОН	43723	S 76°03'55" E	1255	- 5	12-60-1
L	SPRING DEVELOPED	BRUNNER LAND COMPANY INC	P O BOX 98	BYESVILLE	ОН	43723	S 75°03'14" E	1277	~~	12-60-1
Р	WELL	MAGGIE R & HOWARD R JONES	752 HAWKS NEST RD	MANNINGTON	W۷	26582	N 70°03'44" E	1273	ပ	12-60-2.2
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(5/13)	

Operator's Well No.	Rockwell 1H	
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## INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that —

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name o Number	r Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
1	Alice E. Joseph, single et al	Exploration Partners, LLC	1/8	965/929
2	Perry L. Hughes	Exploration Partners, LLC	1/8	1006/833
3	Dan & Beverly Kelly et al	XTO Energy Inc.	1/8	1110/108
4	Dan & Beverly Kelly et al	XTO Energy Inc.	1/8	1110/108
5	Faye C. Rockwell	LBJ Energy Associates, LLC	1/8	1023/284
See attached				

## Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:	XTO Energy Inc.	
By:		
Its:	Production Superintendent	
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		Page 1 of
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WV Obsertment of Environmental Protection

## **ROCKWELL 1H**

<b>≱e</b> ase #	Deed Book	Page	Lessor Lessee						
0									
049024	965	929	Alice E. Joseph, single	Exploration Partners, LLC Exploration Partners assigns all depths from the surface to the bottom of the uppermost member of the Onondoga Group to Linn Energy at 32-151, and Linn assigns the same to XTO Energy at 33-200.					
	1150	231	Allen H. Robinson	XTO Energy Inc.					
2	1006	833	Perry L. Hughes, a married person	Exploration Partners, LLC Exploration Partners assigns all depths from the surface to the TOP of the uppermost member of the Onondaga Group to Linn Energy at 32-151, and Linn assigns the same to XTO Energy at 33-200.					
3	1110	108	Beverly Kelly and Dan M. Kelly, married	XTO Energy Inc.					
	1110	114	Maurice Heldreth and Judith Heldreth, married	XTO Energy Inc.					
	1112	393	Shirley Paul and Jim Paul, married	XTO Energy Inc.					
	1112	399	Marilyn Weese and Marvin Weese, married	XTO Energy Inc.					
	1116	366	Johnathan Charles Miller, single and dealing in his sole and separate property	XTO Energy Inc.					
	1118	125	Randy Lee Miller and Lynne E. Miller, married	XTO Energy Inc.					
	1116	342	Debbie Kay Doney and Jerry E. Doney, married	XTO Energy Inc.					
	1116	369	David Eugene Miller, single and dealing in his sole and separate property	XTO Energy Inc.					
	1116	375	Gary Donald Miller, single and dealing in his sole and separate property	XTO Energy Inc.					
	1116	372	Duane Dale Miller, single and dealing in his sole and separate property	XTO Energy Inc.					

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	1006	833	Perry L. Hughes, a married person	Exploration Partners, LLC Exploration Partners assigns all depths from the surface to the TOP of the uppermost member of the Onondaga Group to Linn Energy at 32-151, and Linn assigns the same to XTO Energy at 33-200.
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( <i>)</i>	1110	114	Maurice Heldreth and Judith Heldreth, married	XTO Energy Inc.
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	1116	372	Duane Dale Miller, single and dealing in his sole and separate property	XTO Energy Inc.
	1023	284	Faye C. Rockwell, widow	LBJ Energy Associates, LLC LBJ Energy to Linn Energy at 30-953, to XTO Energy at 33-200.
5	1023	284	Faye C. Rockwell, widow	LBJ Energy Associates, LLC LBJ Energy to Linn Energy at 30-953, to XTO Energy at 33-200.
				_
6	968	988	Madonna Heldreth, P.O.A. for Glen Sturm, Jr.	Exploration Partners, LLC Exploration Partners, LLC assigns from the surface to the TOP of the Onondaga to Linn Energy Holdings, LLC at 32-151 and Linn to XTO Energy at 33-200.

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Environmental Protection

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	968	1193	Betty Cappel	Exploration Partners, LLC Exploration Partners, LLC assigns from the surface to the TOP of the Onondaga to Linn Energy Holdings, LLC at 32-151 and Linn to XTO Energy at 33-200.
90240	969	304	Goldia Reed (widow)	Exploration Partners, LLC Exploration Partners, LLC assigns from the surface to the TOP of the Onondaga to Linn Energy Holdings, LLC at 32-151 and Linn to XTO Energy at 33-200.
90	968	1197	Mary Frances Stevens (widow)	Exploration Partners, LLC Exploration Partners, LLC assigns from the surface to the TOP of the Onondaga to Linn Energy Holdings, LLC at 32-151 and Linn to XTO Energy at 33-200.
	969	1189	Edward Glover and Terry Glover (wife)	Exploration Partners, LLC Exploration Partners, LLC assigns from the surface to the TOP of the Onondaga to Linn Energy Holdings, LLC at 32-151 and Linn to XTO Energy at 33-200.
	969	308	Daniel J. Glover and Sue Glover (wife)	Exploration Partners, LLC Exploration Partners, LLC assigns from the surface to the TOP of the Onondaga to Linn Energy Holdings, LLC at 32-151 and Linn to XTO Energy at 33-200.
	1167	704	Bernard Burke Price	XTO Energy Inc.
	1167	701	Maynard Price, a maried man dealing in his sole and separate property	XTO Energy Inc.
	1168	508	Lois Price Runkle, a widow by death not having since remarried	XTO Energy Inc.
<del></del>	4655	1	Tarana and a same and a same and a same and a same a s	
7	1023	284	Faye C. Rockwell (widow)	LBJ Energy Associates, LLC LBJ Energy to Linn Energy at 30-953, to XTO Energy at 33-200.

RECEIVED Office and Gas SEP 0.3 265 Everyonitional Protection



XTO Energy Inc. 810 Houston Street Fort Worth, TX 76102-6298 (817) 870-2800 (817) 885-1938 Fax

August 12, 2015

Office of Oil & Gas WVDEP 601 57<sup>th</sup> Street Charleston, WV 25304

RE: Rights to Drill Under Road - Hughes

To Whom It May Concern,

Based on extended research by XTO Energy's Land Department, and their brokers and title attorneys, we have all necessary mineral rights under Marion County Route 42, in the location of our planned well bore's for the Rockwell 1H.

Sincerely,

Kaitlyn Lee Landman

Landman XTO Energy Inc. 810 Houston Street Fort Worth, TX. 76102

lairlyn ?

Office: (817) 885 – 2748 Fax: (817) 885 – 1806

Kaitlyn\_Lee@xtoenergy.com

An ExxonMobil Subsidiary 10/23/2015

RECEIVED Office of Oil and Gas

SEP 0 3 2015

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE CERTIFICATION**

Notice has been given:  Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms liste below for the tract of land as follows:  State:	Date of Notic	ce Certification: <u>8/31/15</u>	O	PI No.47 perat <b>0</b> 's Vell Pad N	/ <del></del>	40 7 Pad
below for the tract of land as follows: State: West Virginia Warrion Quadrangle: Marrion Quadrangle: Mannington Quadrangle: Bingamon Creek  Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section this article, till that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notic requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A, the Operator has attached proof of and certify to the secretary that the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:  - PLEASE CHECK ALL THAT APPLY  - 1. NOTICE OF SEISMIC ACTIVITY or - NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED  - 2. NOTICE OF ENTRY FOR PLAT SURVEY or - NO PLAT SURVEY WAS CONDUCTED  - NOTICE OF ENTRY FOR PLAT SURVEY or - NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED  - WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)  - RECEIVED  - NOTICE OF PLANNED OPERATION  - RECEIVED	Notice has l	oeen given:				-
State:  County:  Marion  District:  Mannington  Quadrangle:  Watershed:  Bingamon Creek  Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, til information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a resu of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notic requirement of subsection (b), section is sixteen of this article were waived in writing by the surface owner, and Pursuant to Workington Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section to finis article have been completed by the applicant.  Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:  "PLEASE CHECK ALL THAT APPLY  1. NOTICE OF SEISMIC ACTIVITY or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED  2. NOTICE OF ENTRY FOR PLAT SURVEY or NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED  3. NOTICE OF INTENT TO DRILL or NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED  4. NOTICE OF PLANNED OPERATION  3. NOTICE OF PLANNED OPERATION  3. NOTICE OF PLANNED OPERATION  3. PRECEIVED  3. PUBLIC NOTICE  4. NOTICE OF PLANNED OPERATION  3. PRECEIVED  3. PUBLIC NOTICE  4. NOTICE OF PLANNED OPERATION  3. PRECEIVED  3. PRECEIVED  3. NOTICE OF PLANNED OPERATION			22-6A, the Operator has provide	ded the req	uired parties w	ith the Notice Forms listed
County: Mannington District: Mannington District: Mannington Shinnston 7.5' Watershed: Bingamon Creek  Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (in has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section strice, of information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a resu of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner and pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to Workington (b), section sixteen of this article, the variance owner; and Pursuant to Workington (b), section sixteen of this article, the variance owner and pursuant to Workington	below for the	tract of land as follows:				
County: Mannington   Public Road Access: Hardson County RL 3 (Robinson Wyatt Run)   Quadrangle: Shinaston 7.5'   Bingamon Creek   Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article, the notic requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section to of this article have been completed by the applicant.  Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:  **PLEASE CHECK ALL THAT APPLY**  1. NOTICE OF SEISMIC ACTIVITY or In NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED  2. NOTICE OF INTENT TO DRILL or In NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)  2. ANOTICE OF PLANNED OPERATION RECEIVED  3. NOTICE OF PLANNED OPERATION  3. NOTICE OF PLANNED OPERATION  3. PUBLIC NOTICE  4. NOTICE OF PLANNED OPERATION  3. RECEIVED  4. RECEIVED  4. RECEIVED	State:	West Virginia			554797	
Quadrangle: Shinnston 7.5' Watershed: Bingamon Creek  Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b) five information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result information required by subsection (b), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section this article six-a; or (iii) the notic requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and pursuant to Westing in a code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section to finis article have been completed by the applicant.  Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:  **PLEASE CHECK ALL THAT APPLY**  1. NOTICE OF SEISMIC ACTIVITY or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED  2. NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED  3. NOTICE OF INTENT TO DRILL or NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED  4. NOTICE OF PLANNED OPERATION  2. RECEIVED  3. NOTICE OF PLANNED OPERATION  3. PUBLIC NOTICE  4. NOTICE OF PLANNED OPERATION  3. PUBLIC NOTICE	County:	Marion	N	Northing:	4367534	
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PLEASE CHECK ALL THAT APPLY  1. NOTICE OF SEISMIC ACTIVITY or ■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED  2. NOTICE OF ENTRY FOR PLAT SURVEY or □ NO PLAT SURVEY WAS CONDUCTED  3. NOTICE OF INTENT TO DRILL or ■ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or □ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)  ■ 4. NOTICE OF PLANNED OPERATION □ RECEIVED  ■ 5. PUBLIC NOTICE	Pursuant to that the Ope	West Virginia Code § 22-6A, the Operator has properly served the required	erator has attached proof to this I parties with the following:	s Notice C	ertification	
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□ 3. NOTICE OF INTENT TO DRILL OF NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OF WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)  ■ 4. NOTICE OF PLANNED OPERATION  ■ 5. PUBLIC NOTICE  □ RECEIVED  □ RECEIVED  □ RECEIVED	☐ 1. NO	TICE OF SEISMIC ACTIVITY or				
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(PLEASE ATTACH)  4. NOTICE OF PLANNED OPERATION  5. PUBLIC NOTICE  RECEIVED	☐ 3. NO	TICE OF INTENT TO DRILL or	NOTICE OF ENTRY FOR PL			
5. PUBLIC NOTICE  RECEIVED				Y SURFA	CE OWNER	
3. Tobble Notice	■ 4. NO	TICE OF PLANNED OPERATION				RECEIVED
■ 6. NOTICE OF APPLICATION □ RECEIVED	■ 5. PUI	BLIC NOTICE				☐ RECEIVED
	■ 6. NO	TICE OF APPLICATION				RECEIVED

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

RECEIVED
Office of C.10/23/2015

SEP 03 2015

**MV** Department of Environment in Protection WW-6AC (1/12)

## Certification of Notice is hereby given:

THEREFORE,		e read and un	nderstand	the notice requirements within West \	Virginia Code § 22-
6A. I certify that	at as required under West Virginia Co	de § 22-6A,	I have se	rved the attached copies of the Notic	e Forms, identified
	equired parties through personal servi-				
	mation. I certify under penalty of law				
	Certification and all attachments, and				
	formation, I believe that the information				
	alse information, including the possibil				
_	•	•	•		
Well Operator:	XTO Energy Inc.	Ad	idress:	PO Box 1008	
By:	lon-	<del></del>		Jane Lew, WV 26378	
lts:	Production Superintendent	Fa	csimile:	304-884-6809	
Telephone:	304-884-6000	En	nail:		
		<del></del>			
	OFFICIAL SEAL	1			06.0
	NOTAR OFFICIAL SEAL NOTARY PUBLIC	Subscribed	i and swo	rn before me this <u>31</u> day of <u>Aug</u>	1015 .
	State of West Virginia			OT !	
	TIMOTHY SANDS			- A-	_ Notary Public
	XTO Energy Inc. PO Box 1008			pires /2/22/18	
	Jana Lew. WV 26378	My Comm	ission Ex	pires / 1/ 2/ 10	
My Co	ommission Expires December 22, 2018				

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at <a href="mailto:depth depth dep

RECEI<mark>10/23/2015</mark> Office or this and Gas

SEP 0 3 2015

WW-6A (9-13) API NO. 479 0 2 4 0 7
OPERATOR WELL NO. Rockwell 1H
Well Pad Name: Rockwell Pad

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

	e of Notice: <b>3/31/15</b> ice of:	Date Permit Applicatio	Filed: 9/2//5	
<b>V</b>	PERMIT FOR AN' WELL WORK		TE OF APPROVAL FOR THE TION OF AN IMPOUNDMENT OR PIT	
Deli	very method pursu	ant to West Virginia Code	§ 22-6A-10(b)	
	PERSONAL SERVICE	REGISTERED MAIL	METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION	
regis sedii the s oil a desc oper more well impo have prov prop subs reco prov Cod wate	stered mail or by any rement control plan requireface of the tract on and gas leasehold being ribed in the erosion at ator or lessee, in the expectation of the surface to work, if the surface to expect water well, spring of the water for consumposed well work activities of the sheriff requires of the sheriff requision of this article to expect well work activities of the sheriff requires of the sheriff requires of the strict to expect well work activities of the sheriff requires of the sheriff requires or surface or purveyor or surface or the strict water than the surface of the sheriff requires of	method of delivery that requi- uired by section seven of this which the well is or is propo- g developed by the proposed and sediment control plan sub- event the tract of land on whi- owners of record of the surfa- ract is to be used for the place scribed in section nine of this or water supply source located ption by humans or denested ty is to take place. (c)(1) If no inch old interests in the land- ired to be maintained pursual the contrary, notice to a lien owner subject to notice and	adment or pit as required by this article shall deliver, by personal service or by as a receipt or signature confirmation, copies of the application, the erosion are article, and the well plat to each of the following persons: (1) The owners of reed to be located; (2) The owners of record of the surface tract or tracts overly well work, if the surface tract is to be used for roads or other land disturbance nitted pursuant to subsection (c), section seven of this article; (3) The coal own the the well proposed to be drilled is located [sic] is known to be underlain by one tract or tracts overlying the oil and gas leasehold being developed by the proment, construction, enlargement, alteration, repair, removal or abandonment of article; (5) Any surface owner or water purveyor who is known to the applicant within one thousand five hundred feet of the center of the well pad which is animals; and (6) The operator of any natural gas storage field within which the ore than three tenants in common or other co-owners of interests described in the applicant may serve the documents required upon the person described in to section eight, article one, chapter eleven-a of this code. (2) Notwithstandin tolder is not notice to a landowner, unless the lien holder is the landowner. We shall also provide the Well Site Safety Plan ("WSSP") to the surface owner a vater testing as provided in section 15 of this rule.	ecord of ong the as oner, one or oposed of any of to used to the one one of the one of t
SI SI Nan Add Manr	JRFACE OWNER(s ne: Allen Robinson lress: 9572 Newton Falls   nna, OH 44266 ne:   lress:   URFACE OWNER(s ne: David Webb lress: 931 Joetown Rd. nington, WV 26582 ne: Fara May Webb lress: 1084 Joetown Rd. nington, WV 26582 URFACE OWNER(s ne: Signature of the second of t	()	☐ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: Bunner Land Company Inc. Address: PO Box 98 Byesville, OH 43723 ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIEL Name: Address:	,D
			*Please attach additional forms if necessary	

10/23/2015 REDEIVED Office or Cir and Gas

SEP 0 3 2015

WV Department of

	Rockwell	
Landowners	✓ Allen Robinson, 9572 Newton Falls Rd, Ravanna, OH 44266	
	✓ David Webb, 931 Joetown Rd., Mannington, WV 26582	
	Fara May Webb, 1084 Joetown Rd, Mannington, WV 26852	
	Faye Rockwell, 316 East Run Rd., Farmington, WV 26571	
	Gerald Lucas Heirs, 1457 Wyatt Rd., Mannington, WV 26582	
	✓ James & Barbara Carpenter, 890 Hawks Nest Rd, Mannington, WV 26582	
•	Janet Nutter, 324 Elmhurst St., Morgantown, WV 26505	
	✓ John & Rita Heldreth, 12 Humanity St., Fairmont, WV 26554	
	✓ Kathleen Crim Stone, 5117 New Carlisle Pike, Springfield, OH 45504	
	Perry Hughes, 70 Twin Creek Trl., Buffalo, MO 65622	
Coal Owners/Oper	ators / Consolidation Coal Company, 1000 Consol Energy Drive, Canonsburg, PA 15317	
	/ Murray American Energy, attn: Troy Freels, 1 Bridge St, Monongah, WV 26554	<del></del>
Water Owners	Brunner Land Company Inc., PO Box 98, Byesville, OH 43723	
	Maggie & Howard Jones, 752 Hawks Nest Rd, Mannington, WV 26582	
Within 625'	NA NA	

10/23/2015

RECHIVED
Office of Ciliand Gas

SEP 03 2015

VVV Department of

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WW-6A (8-13)

API NO. 47	-	
OPERATOR WI	ELL NO.	Rockwell 1H
Well Pad Name:	Rockwell P	ad

#### Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

## This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a>.

#### **Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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WW-6A (8-13)

API NO. 47-	<del>-</del>	
<b>OPERATOR</b>	WELL NO.	Rockwell 1H
Well Pad Nau	me: Rockwell P	ad

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

#### Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

#### Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

## Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

#### Written Comment:

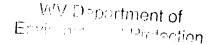
Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

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WW-6A (8-13)

API NO. 47	•
<b>OPERATOR WE</b>	ELL NO. Rockwell 1H
Well Pad Name:	Rockwell Pad

## Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) 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.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

## **Comment Requirements**

Your comments must be in writing and 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.

Disclaimer: All comments received will be placed on our web site <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

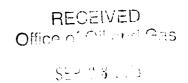
#### Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.



Vix 10/23/2015 Environmental Protection WW-6A (8-13) API NO. 47OPERATOR WELL NO. Rockwell 1H
Well Pad Name: Rockwell Pad

Notice is hereby given by:

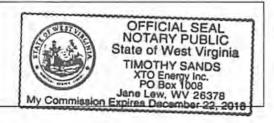
 Well Operator: XTO Energy, Inc.
 Address: PO Box 1008

 Telephone: 304-884-6000
 Jane Lew, WV 26378

 Email: Facsimile: 304-884-6809

## Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at <a href="deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.



Subscribed and sworn before me this 31 day of Aug., 2015

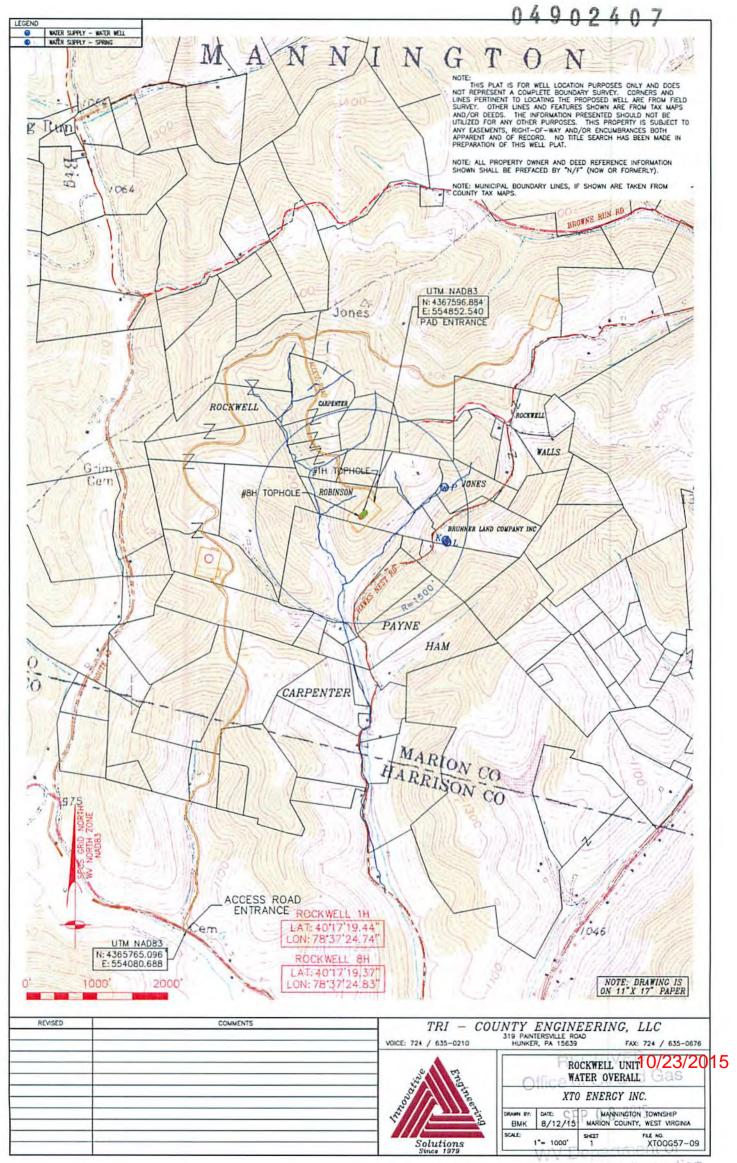
Notary Public

My Commission Expires 12/22/18

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XTO ENERGY	INC.	XTOOG57-09	ROCKWELL WATER OFFSET	(1500' OFFSET)					8/13/2015
POINT	SOURCE	NAME	MAILING ADDRESS	CITY	STATE	ZIP	BEARING	DISTANCE	PARCEIJD WITHING 3000
К	WELL & CITY	BRUNNER LAND COMPANY INC	P O BOX 98	BYESVILLE	ОН	43723	S 76°03'55" E	1255	/3 12-60-1 OS
L	SPRING DEVELOPED	BRUNNER LAND COMPANY INC	P O BOX 98	BYESVILLE	ОН	43723	S 75°03'14" E	1277	O = 12-60-1
Р	WELL	MAGGIE R & HOWARD R JONES	752 HAWKS NEST RD	MANNINGTON	wv	26582	N 70°03'44" E	1273	GH 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

## STATE OF WEST VIRGINIA 14 9 0 7 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE OF ENTRY FOR PLAT SURVEY**

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

	- nuguoti, Lo to	lanned Entry:
Delivery met	hod pursuant to West Virginia	Code § 22-6A-10a
PERSON SERVICE		METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
on to the surfa- but no more the beneath such to bwner of mine and Sediment Secretary, whi	nce tract to conduct any plat survers of the conduct and forty-five days prior to such tract that has filed a declaration perals underlying such tract in the Control Manual and the statutes	p, Prior to filing a permit application, the operator shall provide notice of planned entry eys required pursuant to this article. Such notice shall be provided at least seven days entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams bursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any county tax records. The notice shall include a statement that copies of the state Erosion and rules related to oil and gas exploration and production may be obtained from the ct information, including the address for a web page on the Secretary's web site, to the secretary.
Notice is here	eby provided to:	
<b>SURFAC</b>	E OWNER(s)	■ COAL OWNER OR LESSEE
Name: Address:	Allen H. Robinson 9572 Newton Falls Rd Ravanna, OH 44266	Name: <u>*See Attached Form</u> Address:
Vame:		
\ddress:		MINERAL OWNER(s)
·lama:		Name: Alice E. Joseph Estate
vanie:		Address: P.O. Box 59 Bruceton Mills, WV 26525
		*please attach additional forms if necessary
		Public Road Access: CR 40/4
District:	Mannington	Watershed: Coal Lick Run
Quadrangle:	Shinnston 7.5	Generally used farm name: Rockwell 1H
may be obtain Charleston, Wobtained from	ned from the Secretary, at the WV/V 25304 (304-926-0450). Cop the Secretary by visiting www.	trol Manual and the statutes and rules related to oil and gas exploration and production V Department of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street, SE, ies of such documents or additional information related to horizontal drilling may be lep.wv.gov/oil-and-gas/pages/default.aspx.  Address: P.O. Box 1008
Telephone:	304-884-6000	Jane Lew, WV 26378
		Facsimile: 304-884-6008

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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**Coal Owners:** 

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<u>Name</u>	<u>Address</u>
Consol Mining Company	1000 Consol Energy Dr. Canonsburg, PA 15317
Murray American Energy c/o Troy Freels	1 Bridge St. Monongah, WV 26554

10/23/2015

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WV Department of Protection

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE OF ENTRY FOR PLAT SURVEY**

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

Name:Allen H. Robinson	entry Date of Notice:	August 7, 2015 Date of Planned Entry	·			
Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.  Notice is hereby provided to:  SURFACE OWNER(s)  Name:  Allen H. Robinson  Address:  STR Newton Falls Rd  Ravanna, OH 44266  Name:  Address:  MINERAL OWNER(s)  Name:  Address:  Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:  State:  West Virginia  Approx. Latitude & Longitude:  Shinnston 7.5  Generally used farm name:  Opies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450), Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450), Copies of such documents or addition	Delivery metho	od pursuant to West Virginia Code § 22-6A	10a			
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SURFACE OWNER(s)  Name:	on to the surface but no more that beneath such trace owner of miner and Sediment C Secretary, whice enable the surface	the tract to conduct any plat surveys required put in forty-five days prior to such entry to: (1) The act that has filed a declaration pursuant to sect als underlying such tract in the county tax recontrol Manual and the statutes and rules related the statement shall include contact information, ace owner to obtain copies from the secretary.	ursuant to this article. Such notice shall surface owner of such tract; (2) to tion thirty-six, article six, chapter two ords. The notice shall include a stated to oil and gas exploration and propertion the address for a web page.	all be provided at least seven days any owner or lessee of coal seams enty-two of this code; and (3) any ement that copies of the state Erosion aduction may be obtained from the		
Name:Allen H, Robinson		•	<b>—</b>			
Address: 9572 Newton Falls Rd Ravanna, OH 44266  Name:						
Ravanna, OH 44266  Name:	Name:/	Allen H. Robinson	Name: N/A Access Route Only			
Name:			Address:			
Name:				<del></del>		
Name:	Address:		☐ MINERAL OWNER(s)			
Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:  State:  West Virginia  Approx. Latitude & Longitude:  Jostici:  Marion  Public Road Access:  Marion  Public Road Access:  CR 40/4  District:  Mannington  Watershed:  Coal Lick Run  Quadrangle:  Shinnston 7.5  Generally used farm name:  Rockwell 1H  Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a> .  Notice is hereby given by:  Well Operator:  XTO Energy Inc.  Address:  P.O. Box 1008  Jane Lew, WV 26378			` '	Inly		
*please attach additional forms if necessary  Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:  State: West Virginia Approx. Latitude & Longitude: 39.455648, -80.363050  County: Marion Public Road Access: CR 40/4  District: Mannington Watershed: Coal Lick Run  Quadrangle: Shinnston 7.5 Generally used farm name: Rockwell 1H  Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a> .  Notice is hereby given by:  Well Operator: XTO Energy Inc. Address: P.O. Box 1008  Telephone: 304-884-6000 Jane Lew, WV 26378	Name:		Address:			
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County: Marion Public Road Access: CR 40/4  District: Mannington Watershed: Coal Lick Run  Quadrangle: Shinnston 7.5 Generally used farm name: Rockwell 1H  Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a> .  Notice is hereby given by:  Well Operator: XTO Energy Inc. Address: P.O. Box 1008  Telephone: 304-884-6000 Jane Lew, WV 26378	Pursuant to We a plat survey on	st Virginia Code § 22-6A-10(a), notice is here in the tract of land as follows:		operator is planning entry to conduct		
District: Mannington Watershed: Coal Lick Run  Quadrangle: Shinnston 7.5 Generally used farm name: Rockwell 1H  Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting <a href="https://www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a> .  Notice is hereby given by:  Well Operator: XTO Energy Inc. Address: P.O. Box 1008  Telephone: 304-884-6000 Jane Lew, WV 26378	_					
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Well Operator: XTO Energy Inc. Address: P.O. Box 1008 Telephone: 304-884-6000 Jane Lew, WV 26378	may be obtaine Charleston, W\	d from the Secretary, at the WV Department of 25304 (304-926-0450). Copies of such doc	of Environmental Protection headque cuments or additional information re	arters, located at 601 57th Street, SE,		
Well Operator: XTO Energy Inc. Address: P.O. Box 1008 Telephone: 304-884-6000 Jane Lew, WV 26378	Notice is here	aby given by				
Telephone: 304-884-6000 Jane Lew, WV 26378			Address: DO Boy 1008			
	•			78		
	-	304-884-0000		<i>1</i> U		
	Oil and Gas I	Privacy Notice:				

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> RECEVED 23/2015 Officer Of and Gas

> > SEP 03 2015

V/W control end of East of a cyclion

Landowners	/	Allen Robinson, 9572 Newton Falls Rd, Ravanna, OH 44266
for Access Road	/	David Webb, 931 Joetown Rd., Mannington, WV 26582
		Fara May Webb, 1084 Joetown Rd, Mannington, WV 26852
		Faye Rockwell, 316 East Run Rd., Farmington, WV 26571
	/	Gerald Lucas Heirs, 1457 Wyatt Rd., Mannington, WV 26582
	/	James & Barbara Carpenter, 890 Hawks Nest Rd, Mannington, WV 26582
		Janet Nutter, 324 Elmhurst St., Morgantown, WV 26505
		John & Rita Heldreth, 12 Humanity St., Fairmont, WV 26554
		Kathleen Crim Stone, 5117 New Carlisle Pike, Springfield, OH 45504
		Perry Hughes, 70 Twin Creek Trl., Buffalo, MO 65622
i .		

SEP 03 2005

WW-6A5 (1/12) Operator Well No. Rockwell 1H

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

		equirement: notice : 8/31/15	shall be provid Date Perm	ed no l it App	ater than the filing lication Filed:	date of permit	application.
Delive	ry meth	od pursuant to Wes	t Virginia Cod	de § 22	-6A-16(c)		
		ED MAIL NRECEIPT REQUE	STED		IAND DELIVERY		
return the pla require drilling damage	receipt reanned op ed to be possible for a house to the enotices	equested or hand deli eration. The notice provided by subsection prizontal well; and (3 surface affected by o	very, give the required by the (b), section (c) A proposed (d) and gas ope	surface nis sub ten of t surface rations	e owner whose lan section shall inclu his article to a sur e use and compen to the extent the d	d will be used for ide: (1) A copy face owner whos sation agreemen amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter. Sted in the records of the sheriff at the time
(at the Name: Addres	address l	ewton Falls Rd.			ne of notice):	See attached	
Pursua	int to We ion on the y:				drilling a horizont  - UTM NAD  - Public Road	al well on the tra  Basting:  Northing:	well operator has developed a planned act of land as follows:  554797  4367534  Harrison County Rt. 3 (Robinson Wyatt Run)  Allen Robinson
Pursua to be p horizon surface inform headqu	int to We provided ntal well: e affected ation rel	by W. Va. Code § and (3) A proposed by oil and gas operated to horizontal drocated at 601 57th S	22-6A-10(b) t surface use an rations to the filling may be	o a su nd com extent obtain	rface owner whos pensation agreement the damages are of ed from the Secre	e land will be uent containing arompensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting

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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECARVED

Office or Call and Gas

10/23/2015

SEP 0 3 2015

WV Department of Environmental Protection

andowners	Allen Robinson, 9572 Newton Falls Rd, Ravanna, OH 44266
	David Webb, 931 Joetown Rd., Mannington, WV 26582
	Fara May Webb, 1084 Joetown Rd, Mannington, WV 26852
	Faye Rockwell, 316 East Run Rd., Farmington, WV 26571
	Gerald Lucas Heirs, 1457 Wyatt Rd., Mannington, WV 26582
	James & Barbara Carpenter, 890 Hawks Nest Rd, Mannington, WV 26582
	Janet Nutter, 324 Elmhurst St., Morgantown, WV 26505
	John & Rita Heldreth, 12 Humanity St., Fairmont, WV 26554
	Kathleen Crim Stone, 5117 New Carlisle Pike, Springfield, OH 45504
	Perry Hughes, 70 Twin Creek Trl., Buffalo, MO 65622



SEP 0 3 2015

VelV Discontinent of Earth Charles and Profestion



## WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Paul A. Mattox, Jr., P. E. Secretary of Transportation/ Commissioner of Highways

Earl Ray Tomblin Governor

July 21, 2015

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57<sup>th</sup> Street, SE Charleston, WV 25304

Subject: DOH Permit for the Rockwell Well Pad, Marion County Rockwell 1H

Dear Mr. Martin,

This well site will be accessed from Permit #04-2014-1246 issued to XTO Energy, Inc. for access to the State Road for a well site located off of Harrison County Route 3 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.

Dary K. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Ce: Tim Sands

XTO Energy, Inc.

CH, OM, D-4

File

10/23/2015

E.E.O./AFFIRMATIVE ACTION EMPLOYER

Office of Chi and Gas

SEP 0 3 2015

Laylunmental Protection

## Hydraulic Fracturing Fluid Product Component Information Disclosure 0 4 9 0 2 4 0 7 Hydraulic Fracturing Fluid Composition:

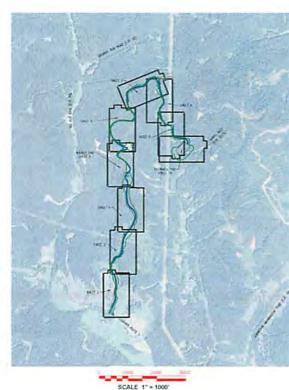
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Couprents 2015 comment of
Water	XTO	Carrier/Base Fluid	Water	7732-18-5	100.00%	88.35%	
Sand (Proppant)	Universal		Silica Substrate		100.00%	11.20%	പ
Hydrochloric Acid (10%)	PPG Industries	Acidizing	Hydrochloric Acid	7647-01-0	10.00%	0.00%	SS C
			Other - (non-hazardous)		85.00%	0.00%	
Hydrochloric Acid (7.5%)	PPG Industries	Acidizing	Hydrochloric Acid	7647-01-0	7.50%	0.03%	5
			Other - (non-hazardous)		92.50%	0.34%	L:
Acid Inhibitor, Unihib G	GeoSafe	Acid Inhibitor	Proprietary Blend Surfactants		35.00%	0.00%	
			Short Chained Glycol Ether	112-34-5	50.00%	0.00%	
			Ethoxylated alcohol		35.00%	0.00%	
Biocide, EC6116A	Nalco	Biocide	Dibromoacetonitrile	3252-43-5	5.00%	0.00%	
	<u> </u>		2,2-Dibromo-3-nitrilopropionamide	10222-01-2	30.00%	0.00%	
			Polyethylene Glycol	25322-68-3	60.00%	0.01%	
			Other - (non-hazardous)		5.00%	0.00%	
Clay Stabilizer, Cla-Chek G	Shrieve	Clay Stabilizer	Water	7732-18-5	15.00%	0.00%	
			Other - (non-hazardous)		85.00%	0.00%	
Friction Reducer, Unislick ST-50	CESI Chemical	Friction Reducer	Petroleum distillates, hydrotreated light	64742-47-8	30.00%	0.02%	
			Other - (non-hazardous)	<u> </u>	70.00%	0.04%	
Scale Inhibitor, ScaleHib A	Nalco	Scale Inhibitor	Ethylene Glycol	107-21-1	30.00%	0.00%	
			Other - (non-hazardous)		70.00%	0.01%	
Gel Breaker, LEB-10X	Universal	Gel Breaker	Ethylene Glycol	107-21-1	40.00%	0.00%	
			Other - (non-hazardous)		60.00%	0.00%	
Unigel 5F	Universal	Gel	Guar Gum	9000-30-0	99.00%	0.00%	
			Other - (non-hazardous)		1.00%	0.00%	
Slurry Gel, WGA-7 SLR	Universal	Gel	Guar Gum	9000-30-0	50.00%	0.00%	
			Petroleum Distillate	64742-47-8	55.00%	0.00%	
			Clay		5.00%	0.00%	
			Surfactant		5.00%	0.00%	
			Buffer	1	5.00%	0.00%	

# FOR THE ROCKWELL WELL PAD & ACCESS ROAD EAGLE & MANNINGTON DISTRICTS HARRISON & MARION COUNTIES, WEST VIRGINIA



DISTUR	REED ACE	RAGE
PROPERTY	TAX +D	DISTLIRRED
FRIS WAT MEED.	09-146-05	1.282 44
DAND W WEDE	Q5-146-25-2	2.200 AC
DERALD . LUCAS	12-19-57	0.100 AC
CRIM TAME FORMS	12-50-50	1.600 AC
HOHN G & RITA I	17-19-10	9,007 AC
SANCT WOTTEN &	12-56-100	0 500 AC
ADM C A RETAIL	12 52 10	3.700 AC
DRIM FAMILY LIVING	Quiblios	0 dei Ac
FAIT C ROCKWELL	12-54-09	1.600 AC
PERRY L. HUGHES	(2-59-16	2.800 AC
FATE & ROCKWELL	12-19-08	8 500 AC
PERF L HUGHES	12:00:02	1.60 A.
CAPPENTER	12-59-51	1200 AC
CAMPANTAR C	12-14-12	0.200.46
CAMPITATES	12-59-63	0 700 AC
TATE & ROCHWELL	12-26-24.1	0 500 AC
DONALD I A JAME T	12-50-53	0.200 AC
ALLEN H POBNSON -	12-59-4 7	1330 60
PLIEN H MODINSON -	2-21-37	2 400 AC
PERRY L HUGHES -	17-59-18	1700 AC

1	W/DEF COMMENTS	1/39/15	4.0
30			
CINCE RECAPIONS LINE	CROWNING UTAITES NO MARRIAN	TY IS MADE THAT TH	45 F



APPROVED
WVDEP OOG
3/9/2015

API# 4902363



SITE LOCATION MAP MAP ARE DEPOSITOR & MALLACE WY

	<ul> <li>DRAWING INDEX</li> </ul>	
PLAN	TITLE	SHEET NUMBER
SEDIMENT CONTROL PLA	N .	
"SEDIMENT CONTROL PLAN"	ESS CONTROL PLAN - COVER	SHEET 1
	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 2
	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 3
	ACCESS HOAD & FILL AREA 2	SHEET 4
	ACCESS ROAD, & STOCKPILE AREAS	SHEETS
	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 6
	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 7
	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 8
	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 9
	ROCKWELL WELL PAD & ACCESS ROAD	SHEET 10
	ACCESS ROAD PROFILES	SHEET 11
	ACCESS ROAD PROFILES	SHEET 12
	ACCESS ROAD PROFILES	SHEET 12
	PAD & STOCKPILE CROSS SECTIONS	SHEET 14
	ACCESS ROAD CROSS SECTIONS	SHEET 15
	ACCESS ROAD CROSS SECTIONS	SHEET 16
	ACCESS ROAD CROSS SECTIONS	SHEET 17
	ACCESS ROAD CROSS SECTIONS	SHEET 18
	ROCKWELL ACCESS ROAD CROSS SECTIONS	SHEET 19
CETALS & NAPRATIVE	DETAILS	SHEET 20
	DETAILS	SHEET 21
	DETALS	SHEET 22
	NARRATIVE	SHEET 23
	NARRATIVE	SHEET 24
CONTAINMENT SET	PAD LAYOUT (DRILL PHASE)	SHEET 25
	PAD LAYOUT (FRAC PHASE)	SHEET 26
	DETAILS	SHEET 27





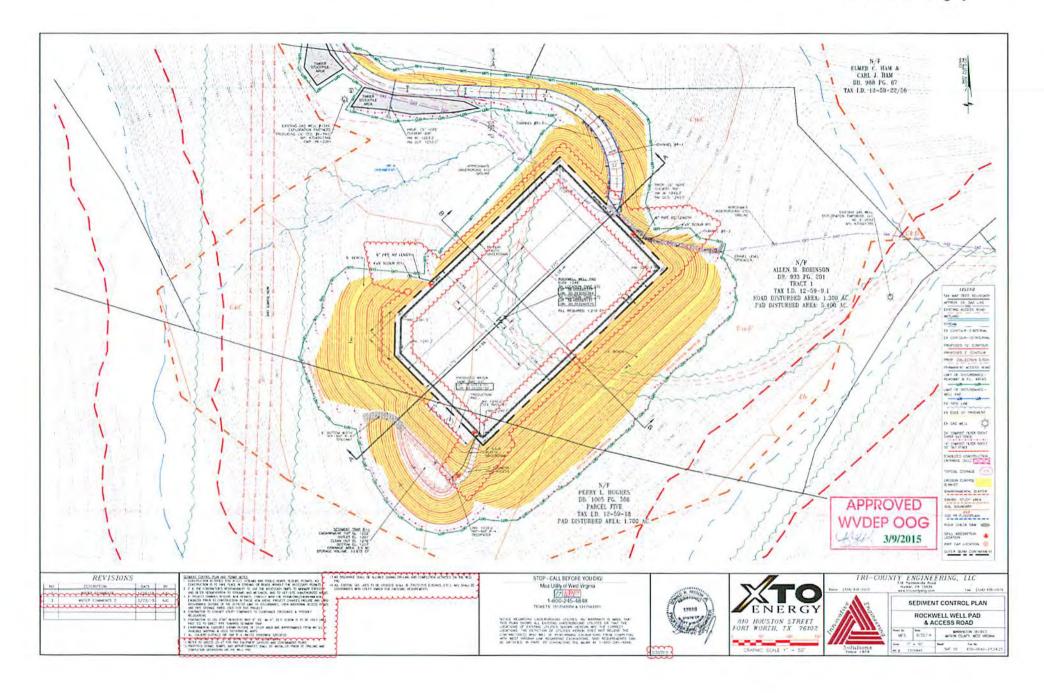
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SEDIMENT CONTROL PLAN - COVER

ROCKWELL WELL PAD & ACCESS
ROADS

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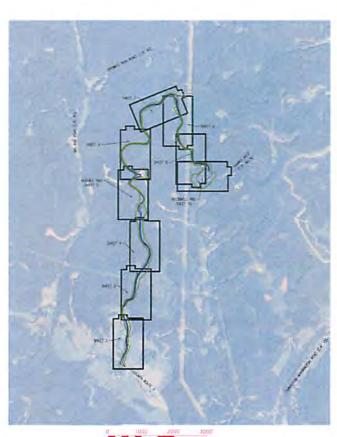


# SEDIMENT CONTROL PLAN FOR THE ROCKWELL WELL PAD & ACCESS ROAD EAGLE & MANNINGTON DISTRICTS HARRISON & MARION COUNTIES, WEST VIRGINIA



DISTUR	RBED ACE	RAGE	
PROPERTY OWNER	TAX I.D.	DISTURBED AREA	
TARA MAY WEBS	09-145-05	1.092 AC	
DAVID # WEBB	09-146-05-2	2.200 AC.	
CERALD L LUCAS	12-59-9.7	0.100 AC	
CRIM FAMILY LIVING TRUST	12-59-55	1 600 AC	
JOHN G & RITA L HELDRETH	12-59-10	D.003 AC	
JANET NUTTER & BARBARA WAGNER	17-59-10.5	D.800 AC.	
JOHN G & RITA L HELDRETH	12-59-10	3.700 AC	
CRIM FAMILY LIVING TRUST	12-59-55	0.040 AC.	
FAYE C ROCKWELL	12-59-09	1,600 AC	
PERRY L HUCHES	12-59-16	2.600 AC.	
FAYE C ROCKWELL	12-59-08	8.600 AC	
PERRY L HUCHES	12-59-62	1,400 AC	
CARPENTER	12-59-51	1,200 AC.	
JAMES I & BARBARA C CARPENTER	12-59-52	0.200 AC	
JAMES I & BARBARA C CARPENTER	12-59-53	0.700 AC	
FAYE C ROCKWELL	12-58-24.1	D 600 AC	
DONALD E & JAMIE T	12-59-58	D 200 AC	
ALLEN H ROBINSON -	12-59-9.1	1.300 AC.	
ALLEN H ROBINSON - PAD	12-59-9 1	5.400 AC	
PERRY 1 HUGHES -	12-59-18	1,700 AC	

NO.	DESCRIPTION	DATE	(fy
1	WYDEP COMMENTS	1/29/15	NG
		- 1	
		-	
TICE REGAR	DING UNDERGROUND LITELITIES NO WARRANT	E LOCATIONS OF E	19 PSA



SCALE 1" = 1000"

APPROVED WVDEP OOG 3/9/2015

API# 4902363



SITE LOCATION MAP MAP REF. SHANNSTON & WALLACE, W. SCALE 1" = 2000"

TITLE	SHEET NUMBER
Taranta and the same and the sa	
E&S CONTROL PLAN - COVER	SHEET 1
ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 2
ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 3
ACCESS ROAD & FILL AREA 2	SHEET 4
ACCESS ROAD, & STOCKPILE AREAS	SHEETS
ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 6
ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 7
ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 8
ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 9
ROCKWELL WELL PAD & ACCESS ROAD	SHEET 10
ACCESS ROAD PROFILES	SHEET 11
ACCESS ROAD PROFILES	SHEET 12
ACCESS ROAD PROFILES	SHEET 13
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ACCESS ROAD CROSS SECTIONS	SHEET 18
ROCKWELL ACCESS ROAD CROSS SECTIONS	SHEET 19
DETAILS	SHEET 20
DETAILS	SHEET 21
DETAILS	SHEET 22
NARRATIVE	SHEET 23
NARRATIVE	SHEET 24
PAD LAYOUT (DRILL PHASE)	SHEET 25
PAD LAYOUT (FRAC PHASE)	SHEET 26
DETAILS	SHEET 27
	ACCESS ROAD TO ROCKWELL WELL PAD ACCESS ROAD TO ROCKWELL WELL PAD ACCESS ROAD FILL AREA 2 ACCESS ROAD FILL AREA 2 ACCESS ROAD TO ROCKWELL WELL PAD ACCESS ROAD PROFILES ACCESS ROAD PROFILES ACCESS ROAD PROFILES ACCESS ROAD PROFILES ACCESS ROAD CROSS SECTIONS DETAILS DETAILS DETAILS DETAILS DETAILS DETAILS ARRAITVE NARRAITVE PAD LAYOUT (PRILL PHASE) PAD LAYOUT (PRILL PHASE)

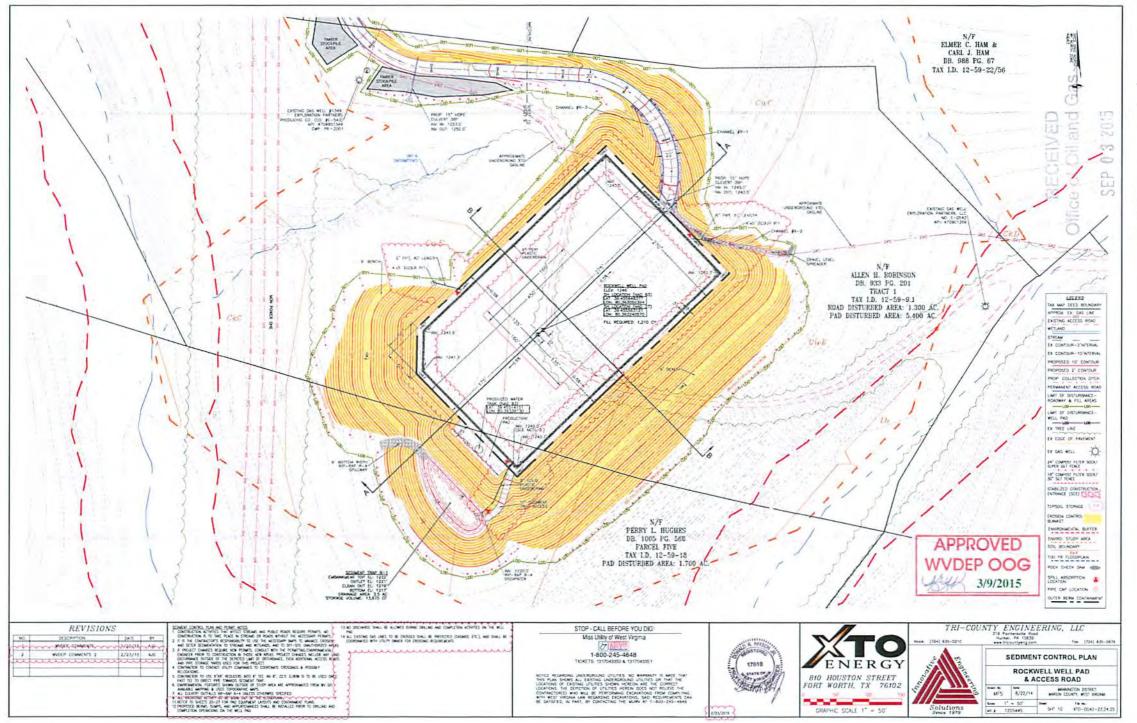




Solutions

319 Painterants Stude
3210 Superior N. 15030 Fac. (724) 835-00
SEDIMENT CONTROL PLAN - COVER
ROCKWELL WELL PAD & ACCESS
ROADS
Dear N. Index N. Index Superior Country
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Electronic version of these plans may be viewed at: Q:\OIL GAS\SAY FILES\REVIEWS



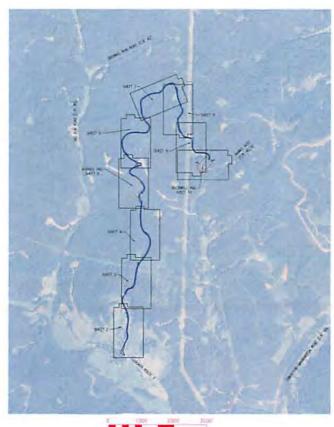
Entire Amenial Protection

## SEDIMENT CONTROL PLAN FOR THE **ROCKWELL WELL PAD & ACCESS ROAD EAGLE & MANNINGTON DISTRICTS** HARRISON & MARION COUNTIES, WEST VIRGINIA



PROPERTY	TAX LD.	DISTURBED
FARA MAY WEBS	09-146-05	1,092 AC
DAVID W WEBB	09-146-05-2	2 200 AC
DERALD L LUCAS	12-59-9.2	D.100 AC.
CRIM FAMILY LIVING	12-59-55	1.600 AC
JOHN D & RITA L HELDRETH	12-59-10	0.003 AC.
BARBARA WAGNER	12-59-10.5	D 800 AC
JOHN G & RITA L HELDRETH	12-59-10	3.700 AC
CRIM FAMILY LIVING	12-59-55	0.040 AC.
FAYE C ROCKWELL	12-59-09	1.500 AC
PERRY L HUDHES	12-59-16	2.800 AC
PAYE C ROCKWELL	12-59-08	9 400 AC.
PERRY 1 HUGHES	12-59-87	1,400 AC
CARPENTER	12-59-51	1.200 AC.
IAMES I & BARBARA C	12-59-52	0.200 AC.
AMES I & BARBARA C	12-59-53	0.700 AC
FAYE C ROCKWELL	12-59-24 1	D.600 AC
DONALD E & JAMIE T	12-59-58	0.200 AC.
ALLEN H ROBINSON -	12-59-9.1	1,300 AC.
ALLEN H ROBINSON -	12-59-9.1	5.400 AC.
PERRY L HUGHES -	12-59-18	1.705 AC

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~	WYDEP COMMENTS	1/22/15	A/G
2	ROAD PEALISMENT	6/11/15	RAM
4			~
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SITE LOCATION MAP MAP REF. EMBINSTON & WALLACE, W. U.S.O.S. 7.5 MINUTE GUAD SCALE 1" = 2000"

	DRAWING INDEX	
PLAN	TITLE	SHEET NUMBER
HERENT CONTROL PLAN	i	
THE PERSON NAMED IN COLUMN	BAS CONTROL PLAN - COVER	\$HERT 1
	ACCESS FOAD TO ROCKWELL WELL FAD	A-667 2
	ACCESS FOAD TO ROCKWELL WELL PAD	SHEET A
	ACCESS FOAD & FEL AREA 2	SHEET A
	ACCESS HOAD, & STOCKPEE AREAS	SHEET 6
	ACCEBS HOAD TO ROCKWELL WELL HAD	SHCET 6
	ACCESS POAD TO ROCKWELL WELL PAD	SHEET?
	ACCESS ROAD TO ROCKWELL WELL PAD	\$1007 s
	ACCESS HOAD TO POCKWELL WELL PAO	\$4001 a
	ROCKWELL WELL PAG & ACCESS FOAD	SHEET NA
	ACCESS ROAD PROPERS	SHEET 11
	ACCESS POAD PROFILES	\$HEET 13
	ACCESS ROAD PROFILES	SMEET 13
	PAD & STOCKPILE CROSS SECTIONS	BHEET 14
	ACCESS NOAD CHOSS SECTIONS	SHEET 18
	ACCESS ROAD CROSS SECTIONS	SHEET 16
	ACCESS ROAD CROSS SECTIONS	SHEET IT
	ACCESS FOAD CROSS SECTIONS	SHEET IS
	ROCHWELL ACCESS ROAD CROSS SELFEIAS	\$4027.19
SEMMANATE.	DETAILS	Pet H
	DETAGA	SHEET 21
	DETAILS	SHEET 21
	BARRATME	SHEET 23
	MARKATIVE	SHEET 24
*CONTABBIENT SET*	PAG LAYOUT JORK L PHASE	5HEET 28
	PAG LAYOUT (FRAC PHASE)	SHEET 24
	DETAILS	SHEET 27



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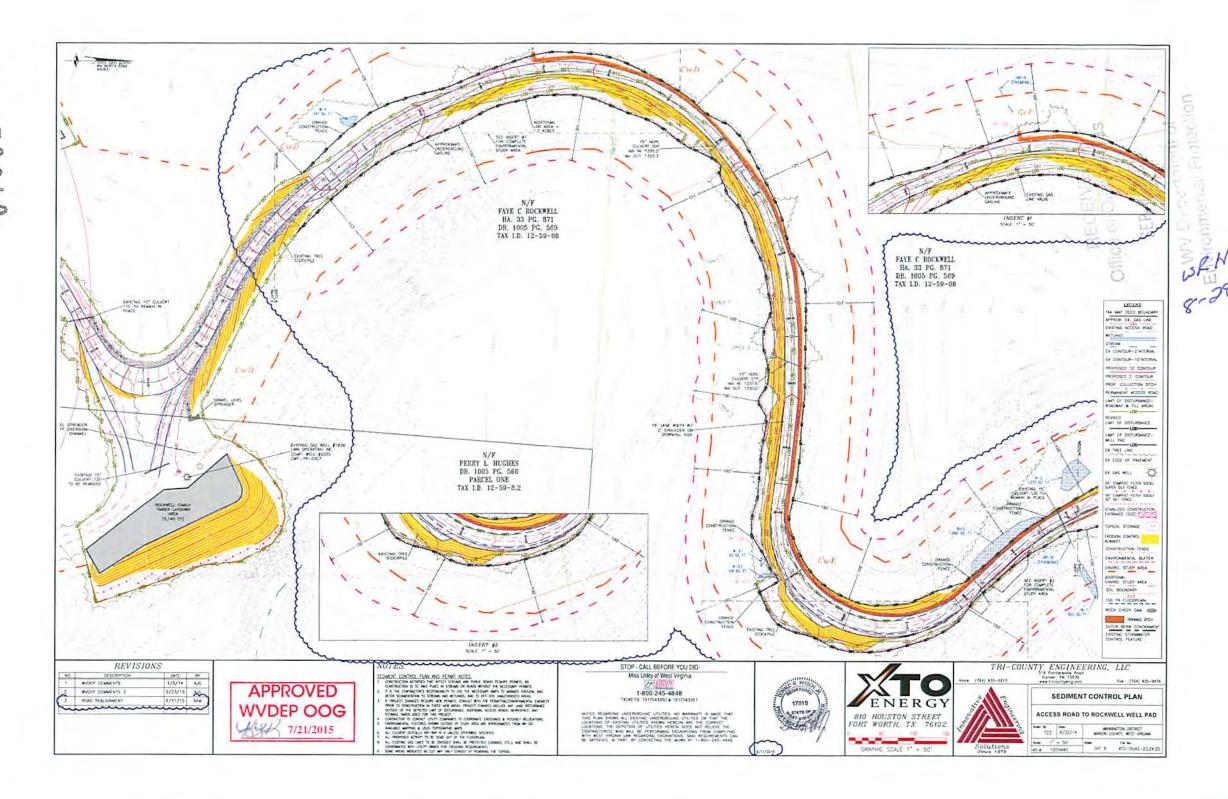


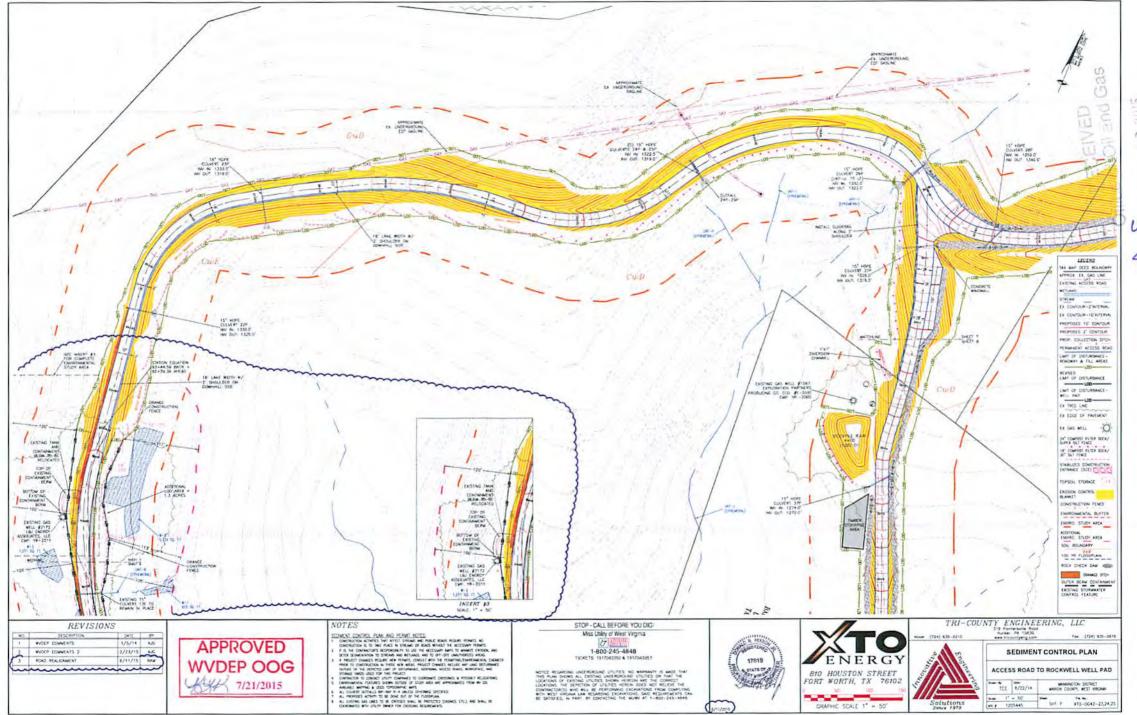




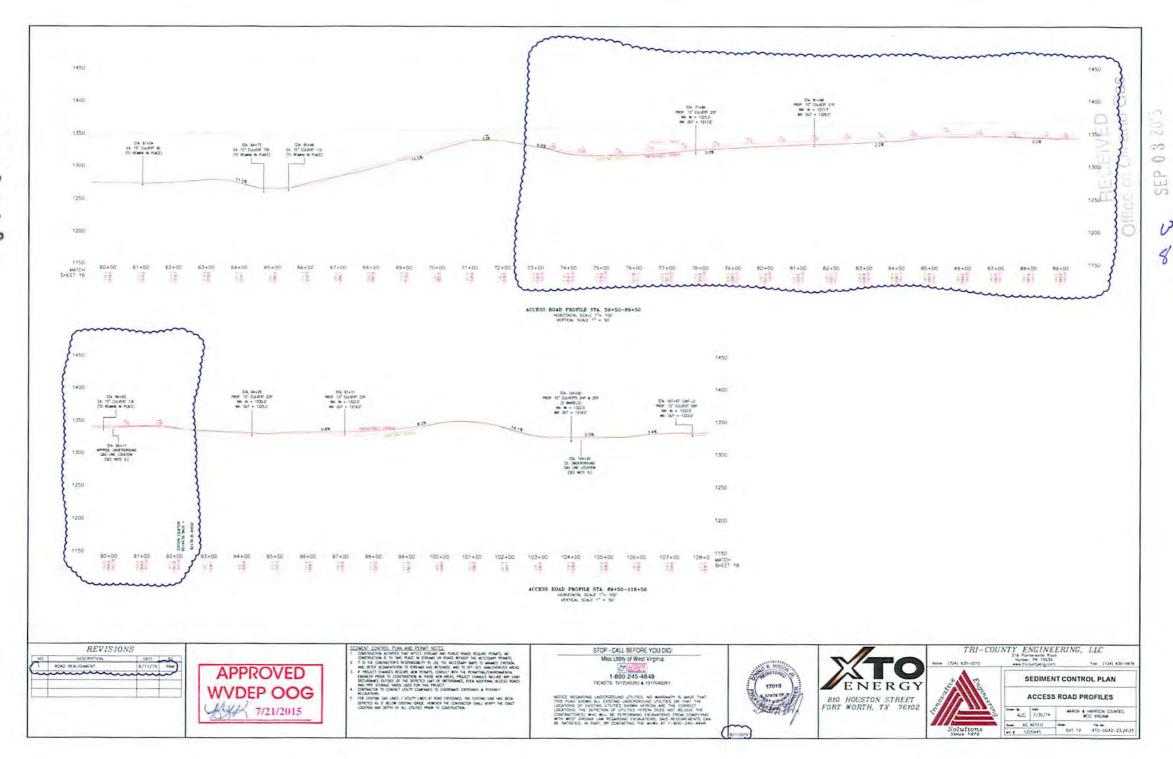
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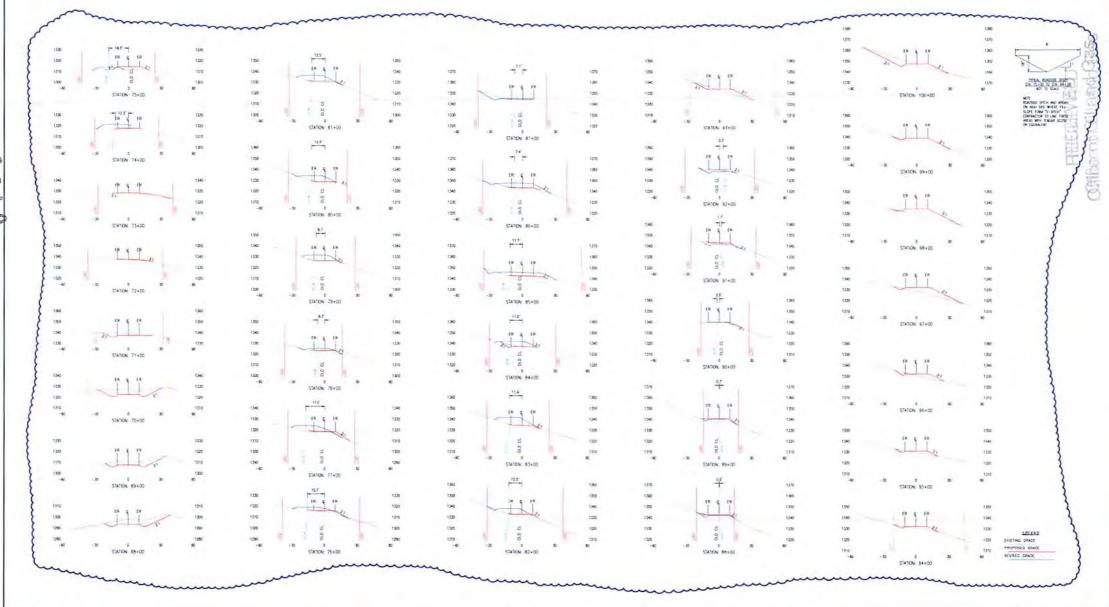
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