



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

March 12, 2015

WELL WORK PERMIT

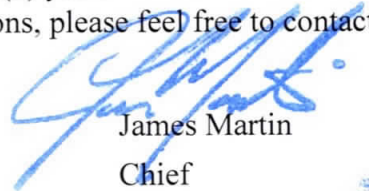
Horizontal 6A Well

This permit, API Well Number: 47-4902363, 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 5H
Farm Name: ROBINSON, ALLEN H
API Well Number: 47-4902363
Permit Type: Horizontal 6A Well
Date Issued: 03/12/2015

Promoting a healthy environment.

08/27/2021

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

08/27/2021

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

1) Well Operator: XTO Energy Inc. 494487940 Marion Mannington Shinnston
Operator ID County District Quadrangle

2) Operator's Well Number: Rockwell 5H Well Pad Name: Rockwell Pad

3) Farm Name/Surface Owner: Allen Robinson Public Road Access: Harrison County Rt. 3 (Robinson Wyatt Run)

4) Elevation, current ground: 1,258' Elevation, proposed post-construction: 1,245'

5) Well Type (a) Gas Oil Underground Storage
Other

(b) If Gas Shallow Deep
Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):
Target Formation: Marcellus, Depth 7,450', Anticipated Thickness: 150', Associated pressure: 4,650 psi

8) Proposed Total Vertical Depth: 7,450'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 14,100'

11) Proposed Horizontal Leg Length: 6,300'

12) Approximate Fresh Water Strata Depths: 145', 185', 390'

13) Method to Determine Fresh Water Depths: Offsetting Reports

14) Approximate Saltwater Depths: None Listed

15) Approximate Coal Seam Depths: 455'

16) Approximate Depth to Possible Void (coal mine, karst, other): 455'

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

*WRH
10-20-14*

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18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	20"	New	H-40	94#	40'	40'	50 cuft - C.T.S
Fresh Water	13 3/8"	New	MS-50	48#	500'	500'	500 cuft - C.T.S.
Coal							
Intermediate	9 5/8"	New	J-55	36#	3,000'	3,000'	Lead 700/Tail 700 - C.T.S.
Production	5 1/2"	New	CYP-110	17#	14,100'	14,100'	3,000 cuft
Tubing							
Liners							

*WRH
10-20-14*

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	0.438"	960	Type 1	1.19
Fresh Water	13 3/8"	17.5"	0.33"	2,160	Type 1	1.19
Coal						
Intermediate	9 5/8"	12.25"	0.352"	3,520	Type 1	Lead 1.26/Tail 1.19
Production	5 1/2"	8.75" 8.5"/7.875"	0.304"	10,640	Type 1	1.32
Tubing						
Liners						

PACKERS

Kind:				
Sizes:				
Depths Set:				

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

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 maximum pressure and rate used is 10,000 psig and 120 bpm. The sand size may vary from 100 mesh to 30/50 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): 35.235+/-

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: 1"-6" above float shoe, 1 at float collar, & 1 at every 4th joint to surface
Intermediate: 1"-6" above float shoe, 1 at float collar, & 1 at every 4th joint to surface
Production: 1 at every 4th joint from the kickoff point to 1000' above the kickoff point

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

Conductor - Type 1 - no additives
Fresh Water - Tail - Type 1 - 2% Calcium Chloride, Super Flake
Intermediate - Lead - Type 1 - 2% Calcium Chloride, Super Flake
Tail - Type 1 - 2% Calcium Chloride, Super Flake
Production - Tail 50/50 POZ - Type 1 - Sodium Chloride, Bentonite, Super Flake, Air-Out, R-1, AG-350

25) Proposed borehole conditioning procedures:

See attached sheet

*Note: Attach additional sheets as needed.

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Rockwell 5H – 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 ~3000'.

Morgan O'Brien
Drilling Engineer
XTO Appalachia
Cell: 724-272-8097
Morgan_OBrien@xtoenergy.com

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Rockwell 5H Detailed Casing and Cementing Program

Type	Hole Size (inches)	Casing Design/Program						Cementing Program					
		Csg Size (in)	Length (ft)	Top/Bottom of String	Grade	Weight (ppf)	Wall Thickness	Burst Pressure Rating	Centralizer Placement	Type	Yield (cu. ft/sk)	Additives (trade names are Superior Well Services)	Estimated Volume (cu. ft.)
Conductor	24	20	40	0' / 40'	H-40	94	0.438	960	none	Type 1	1.19	none	50
Coal	19	18	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Surface / Mine	17.5	13 3/8	500	0' / 500'	MS-50	48	0.33"	2160	1-1/2" above float shoe 1-1/2" float collar 1-every 4th ft to surface	Trail - Type 1	1.19	Calcium chloride, Super Flake	500
Intermediate	12.25	9 5/8	3000	0' / 3000'	J-55	36	0.352"	3520	1-5" above float shoe 1-1/2" float collar 1-every 4th ft to surface	Lead - Type 1 Trail - Type 1	1.26 1.19	Calcium Chloride, Super Flake Calcium chloride, Super Flake	700 700
Production	8.75/ 8.5/ 7.875	5 1/2	14,100	0' / 14100'	CVP-110	17	0.304	10640	centralizers will be run every 3rd joint from top of cement to landing point	Tail-50/50 POZ-Type 1	1.32	Sodium chloride, bentonite, Super Flake, Air-Out, R-1, AG-350	3000
Tubing													
Liners													

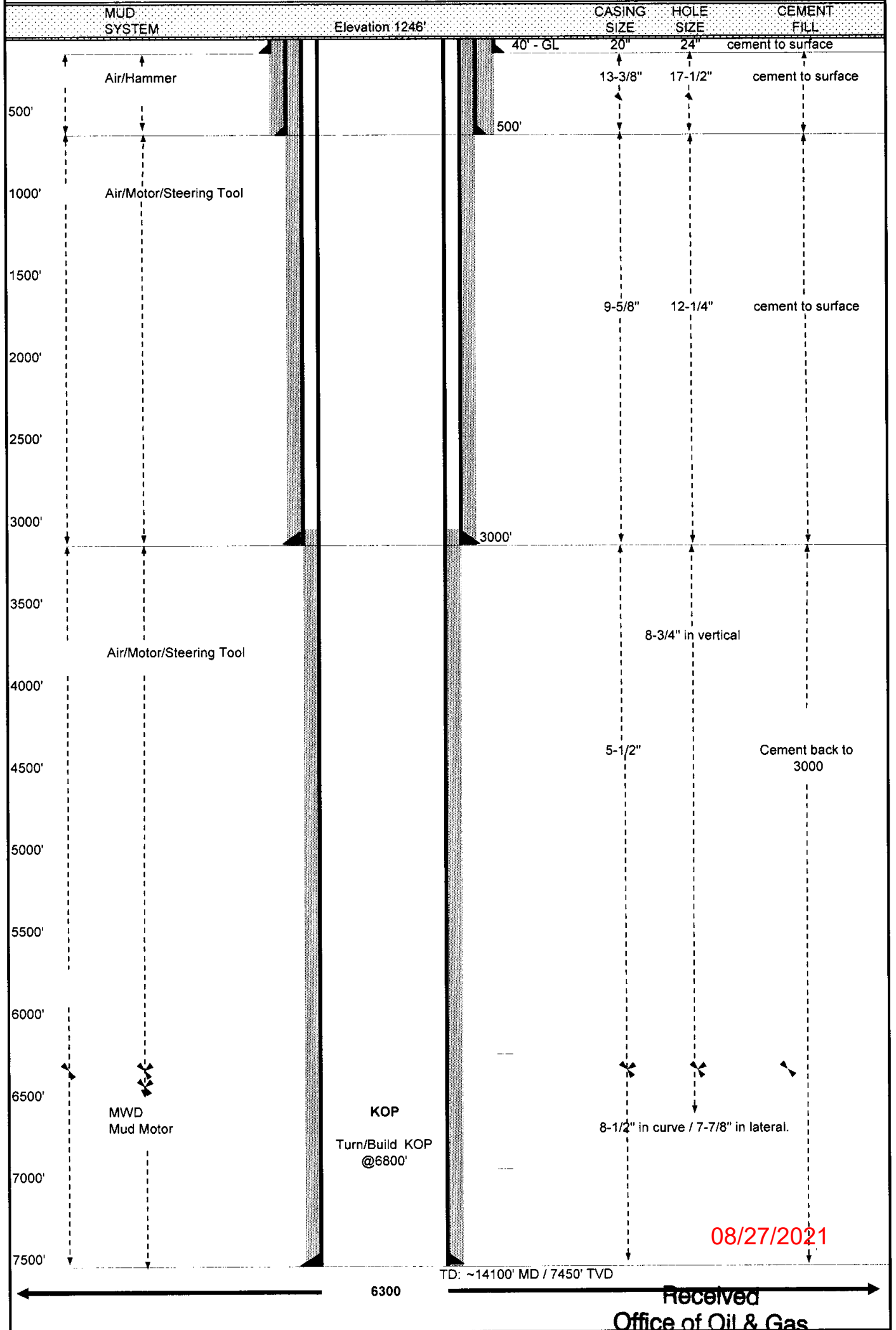
Rockwell 5H Proposed Directional Data

Hole Section	Hole Size	Drilling Fluid	Condition Procedures		
			Drilling	At TD	Running Casing
Conductor	24	Air/Water	Hole will be circulated with high pressure air	Hole will be blown clean with air prior to pulling out of hole to run casing	Hole will be filled with fluid and circulated to surface if conditions require
Coal	20	Air/Water	Hole will be circulated with high pressure air	Hole will be blown clean with air prior to pulling out of hole to run casing	Hole will be filled with fluid and circulated to surface if conditions require
Fresh Water	17.5	Air/Water	Hole will be circulated with high pressure air	Hole will be blown clean with air prior to pulling out of hole to run casing	Hole will be filled with fluid and circulated to surface if conditions require
Intermediate	12.25	Air/Water	Hole will be circulated with high pressure air	Hole will be blown clean with air prior to pulling out of hole to run casing	Casing will be filled with fluid and returns taken at surface prior to pumping cement
Production	8.75/ 8.5/ 7.875	Air / Non-aqueous based mud	cuttings out of the hole, MW will be approximately 11 Spgs-14.0ppg for stability and overbalance. As required, the hole will be circulated at high pump	The hole will be circulated at maximum possible pump rate and the drill string will be rotated at the maximum rpm.	Hole will be circulated as necessary while running casing.
Tubing					
Liners					

Rockwell 5H Proposed Directional Data

Other directional data KOP 6800 LP 7800 approx. TD 14100 (rounded up)
--

Rockwell 5H
Marion County, West Virginia
New Drill Horizontal Well



BOP Equipment Specifications/Diagram/Testing Schedule

Type	Model	Size	Pressure Rating	Testing Schedule	
Annular	Shafter Spherical	11"	5,000 psi	-full pressure test to 100% of rating Vertical Hole upon installation every 30 days	Horizontal Hole upon installation after each bit trip weekly
Diagram: ANNULAR					
Pipe Ram	Cameron Type U	11"	5,000 psi	upon installation every 30 days	upon installation after each bit trip weekly
Diagram: 5" PIPE RAMS					
Blind Ram	Cameron Type U	5"	5,000 psi	upon installation every 30 days	upon installation after each bit trip weekly
Diagram: BLIND RAMS					
Mud Cross					
Diagram: Mud Cross					
Wellhead		11"	5,000 psi		
Diagram: Wellhead					

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WW-9
(9/13)

API Number 47 - _____ - _____
Operator's Well No. Rockwell 5H

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 (0502000206) Quadrangle Shinnston

Elevation 1,245' County Marion District Mannington

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

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:

- Land Application
- Underground Injection (UIC Permit Number 4707302523 4705500319 4708505151 4708509721 3416729577 3412124037 3405320968)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Depending on brand, system would entail 2 centrifuges & another cutting drying method: grinder, drying shakers or verti-g mud

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air/water to 7100', then switch to synthetic

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

Additives to be used in drilling medium? See additional page

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. 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

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

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

Company Official Signature [Signature]

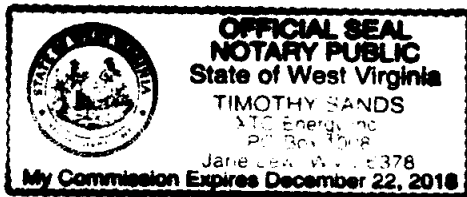
Company Official (Typed Name) Gary Beall

Company Official Title Production Superintendent

Subscribed and sworn before me this 17th day of October, 2014

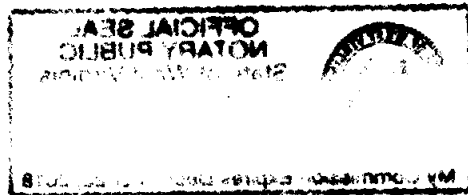
[Signature] Notary Public

My commission expires 12/22/18



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Form WW-9

Operator's Well No. Rockwell 5H

XTO Energy Inc.

Proposed Revegetation Treatment: Acres Disturbed 35.235 +/- Prevegetation pH _____

Lime 2-4 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Per Plans

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Per Plans			

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Bell Handusht

Comments: _____

Title: Environmental Inspector Date: 10-20-14

Field Reviewed? () Yes () No

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XTO Drilling Additives

Product Name	CAS #	Approximate Amount on Location (lbs)
Bentone 910	14808-60-7	2500
Cedar Fiber	n/a	5000
CyberDrill	93762-80-2	20000
Calcium Chloride	10043-52-4	20000
	111-40-0	
	26952-14-7	
CyberCoat	62442-97-7	3000
CyberMul	70321-73-2	3000
CyberPlus	71-36-3	3000
Lime	1305-62-0	15000
New Carb	1317-65-3	3000
Walnut Shells	n/a	2500
	7727-43-7	
	1332-58-7	
	14808-60-7	
New Bar	471-34-1	200000
OptiThin	68442-97-7	8000
	12174-11-7	
	14808-60-7	
Oil Dry	01309-48-4	600
	9016-45-9	
	68131-71-5	
	1310-73-2	
	27176-87-0	
	1300-72-7	
OptiClean	7758-29-4	1800
OptiG	12002-43-6	5000
SynDril 470	64741-86-2	81000

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XTO Energy Inc.
Well Site Safety Plan

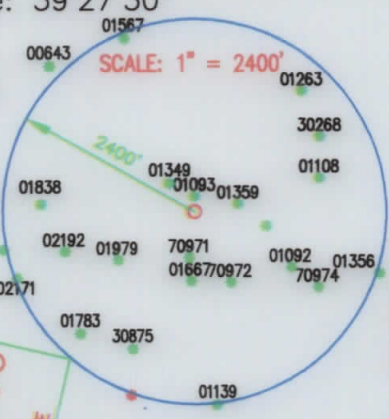
Rockwell Pad
39.455571
-80.363151

WRH
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NORTH

Latitude: 39°27'30"
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 349206.724
 (E) 1756252.987

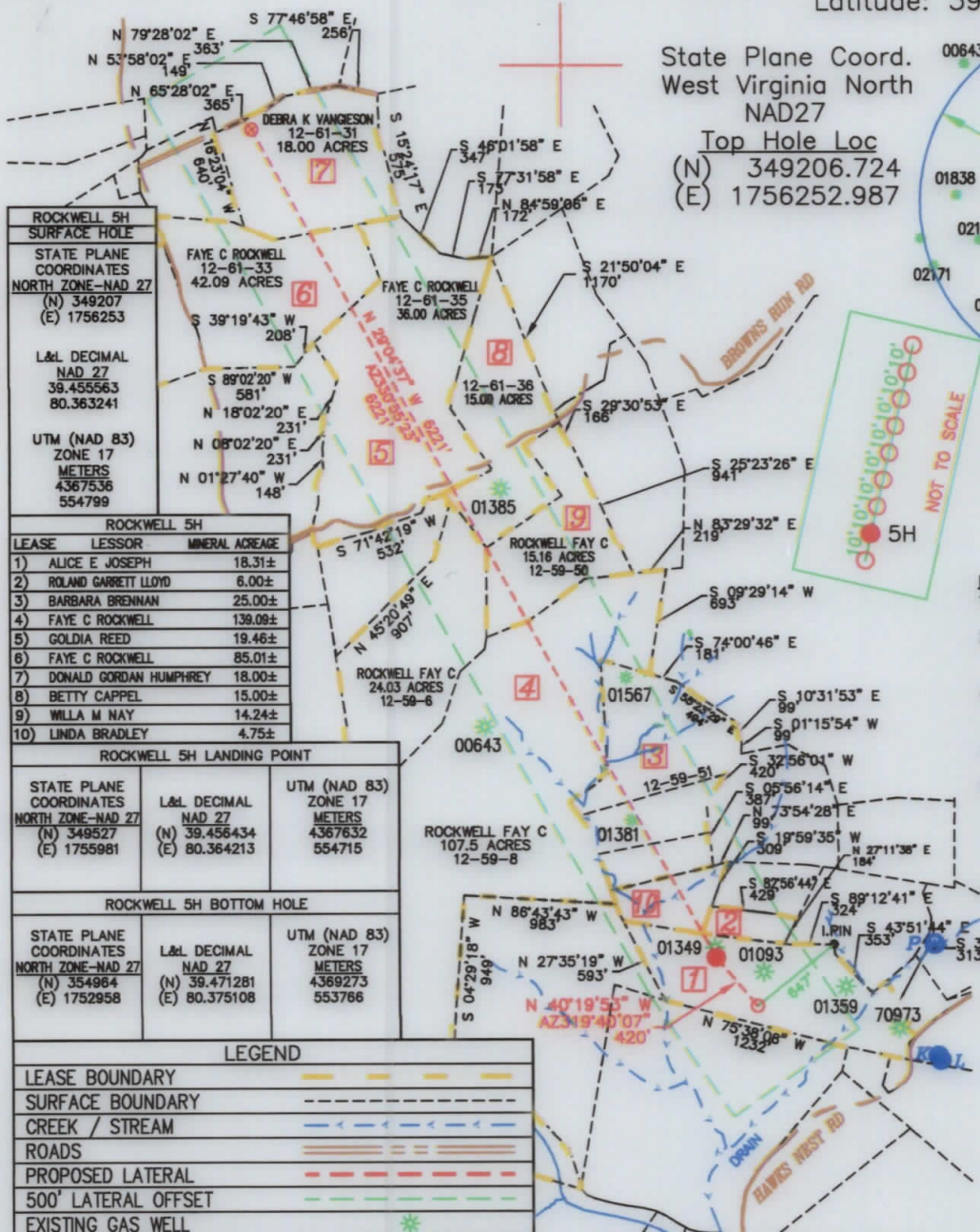
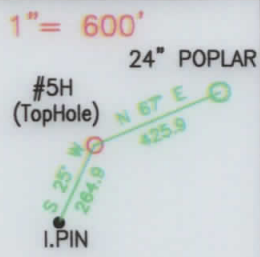


Longitude: 80°20'00"

ROCKWELL 5H

- NOTES ON SURVEY:**
1. NO DWELLINGS WITHIN 625' WERE FOUND.
 2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
 3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH NONE NAD '27.
 4. WELL LAT./LONG ESTABLISHED BY DIRECT GPS NAVD88.
 5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN JUNE OF 2014 AND INFORMATION PROVIDED BY XTO ENERGY INC.
 6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

REFERENCES



ROCKWELL 5H SURFACE HOLE

STATE PLANE COORDINATES
 NORTH ZONE-NAD 27
 (N) 349207
 (E) 1756253

L&L DECIMAL
 NAD 27
 39.455563
 80.363241

UTM (NAD 83)
 ZONE 17
 METERS
 4367536
 554799

ROCKWELL 5H LEASE

LEASE	LESSOR	MINERAL ACREAGE
1)	ALICE E JOSEPH	18.31±
2)	ROLAND GARRETT LLOYD	6.00±
3)	BARBARA BRENNAN	25.00±
4)	FAYE C ROCKWELL	139.09±
5)	GOLDIA REED	19.46±
6)	FAYE C ROCKWELL	85.01±
7)	DONALD GORDAN HUMPHREY	18.00±
8)	BETTY CAPPEL	15.00±
9)	WILLA M NAY	14.24±
10)	LINDA BRADLEY	4.75±

ROCKWELL 5H LANDING POINT

STATE PLANE COORDINATES NORTH ZONE-NAD 27	L&L DECIMAL NAD 27	UTM (NAD 83) ZONE 17 METERS
(N) 349527 (E) 1755981	(N) 39.456434 (E) 80.364213	4367632 554715

ROCKWELL 5H BOTTOM HOLE

STATE PLANE COORDINATES NORTH ZONE-NAD 27	L&L DECIMAL NAD 27	UTM (NAD 83) ZONE 17 METERS
(N) 354964 (E) 1752958	(N) 39.471281 (E) 80.375108	4369273 553766

LEGEND

- LEASE BOUNDARY
- SURFACE BOUNDARY
- CREEK / STREAM
- ROADS
- PROPOSED LATERAL
- 500' LATERAL OFFSET
- EXISTING GAS WELL

TRI-COUNTY ENGINEERING, LLC
 319 PAINTERSVILLE RD. HUNKER, PA 15639
 TCE@TRICOUNTYENG.COM (724) 635-0210

FILE # XTOOG57-09
 DRAWING # OG57-09-5H
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: DIRECT GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: Donald R. Hixson Jr.
 R.P.E.: 17818 L.L.S.: _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



DATE: 11/29/2014 PLACE SEAL HERE
 OPERATOR'S WELL #: ROCKWELL 5H
 API WELL #: 47 49
 STATE COUNTY PERMIT

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTOWN, WV 25304

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: BINGAMON CREEK WATERSHED ELEVATION: 1246' (PROPOSED GRADE)
 COUNTY/DISTRICT: MARION - MANNINGTON QUADRANGLE SHINSTON 7E5
 SURFACE OWNER ALLEN H ROBINSON ACREAGE 24.55±
 OIL & GAS ROYALTY OWNER: ALLEN H ROBINSON ACREAGE 312.58±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION MARCELLUS ESTIMATED DEPTH: 7450'/14100'
 WELL OPERATOR XTO ENERGY INC. DESIGNATED AGENT GARY BEALL
 Address 810 HOUSTON STREET Address P.O. BOX 1008
 City FORT WORTH State TX Zip Code 76102 City JANE LEW State WV Zip Code 26378

08/27/2021

City FORT WORTH State TX Zip Code 76102
 Well Operator XTO ENERGY INC.
 Address 810 HOUSTON STREET

City JANE LEW State WV Zip Code 26378
 Designated Agent GARY BEALL
 Address P.O. BOX 1008

Target Formation MARCELLUS
 Estimated Depth: 7450' \ 14100'

Clean out & Replug Other Change (Specify):
 Plug off old formation Perforate new formation Plug & abandon (Specify):
 Drill Convert Drill deeper Redrill Fracture or stimulate

Oil & Gas Royalty Owner: ALLEN H ROBINSON
 Surface Owner ALLEN H ROBINSON
 County \ District: MANNINGTON - BINGAMON CREEK WATERSHED

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

Office of Oil & Gas
 601 5TH STREET
 CHARLESTOWN, WV 25304

WVDP
 UNITED STATES TOPOGRAPHIC MAPS
 (+) DENOTES LOCATION OF WELL ON

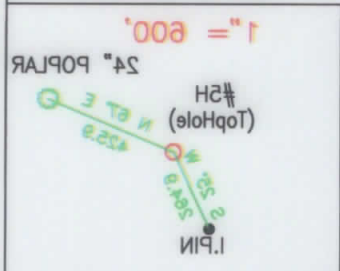
DATE: 11/29/2014
 OPERATOR'S WELL #: ROCKWELL 5H
 API WELL #: 47
 STATE COUNTY PERMIT 49

WATERSHED: BINGAMON CREEK WATERSHED
 COUNTY \ DISTRICT: MANNINGTON - BINGAMON CREEK WATERSHED
 SURFACE OWNER ALLEN H ROBINSON
 ACRESAGE 0.258 ±
 ACRESAGE 24.55 ±
 QUADRANGLE SHINSLAND
 ELEVATION: 1246' (PROPOSED GRADE)
 Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow



R.P.E.: 17818
 L.S.:
 Signed: *Donald R. Hixson*
 THE DEPARTMENT OF ENVIRONMENTAL PROTECTION
 LAW AND REGULATIONS RAISED AND PRESCRIBED BY
 BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY
 PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND
 I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS

OF ELEVATION: DIRECT GPS
 PROVEN SOURCE
 OF ACCURACY: 1:2500
 MINIMUM DEGREE
 SCALE: 1" = 1200'
 DRAWING # 0627-09-5H
 FILE # XTO0627-09



REFERENCES
 RECORDS OF WVDP.
 WELLS SHOWN ARE TAKEN FROM
 PROVIDED BY XTO ENERGY INC.
 JUNE OF 2014 AND INFORMATION
 RECORDS OF MARION COUNTY IN
 ASSESSOR AND COUNTY CLERK
 INFORMATION TAKEN FROM THE
 SURFACE OWNER AND ADJOINER
 DIRECT GPS NAVD83.
 WELL LAT/LONG ESTABLISHED BY
 NORTH W/ NORTH NONE NAD 27.
 ARE BASED ON STATE PLANE GRID
 TIES TO WELLS AND CORNERS
 FOUND.
 SPRINGS WITHIN 250' WERE
 NO WATER WELLS OR DEVELOPED
 FOUND.
 NO DWELLINGS WITHIN 625' WERE
 FOUND.
 NOTES ON SURVEY:

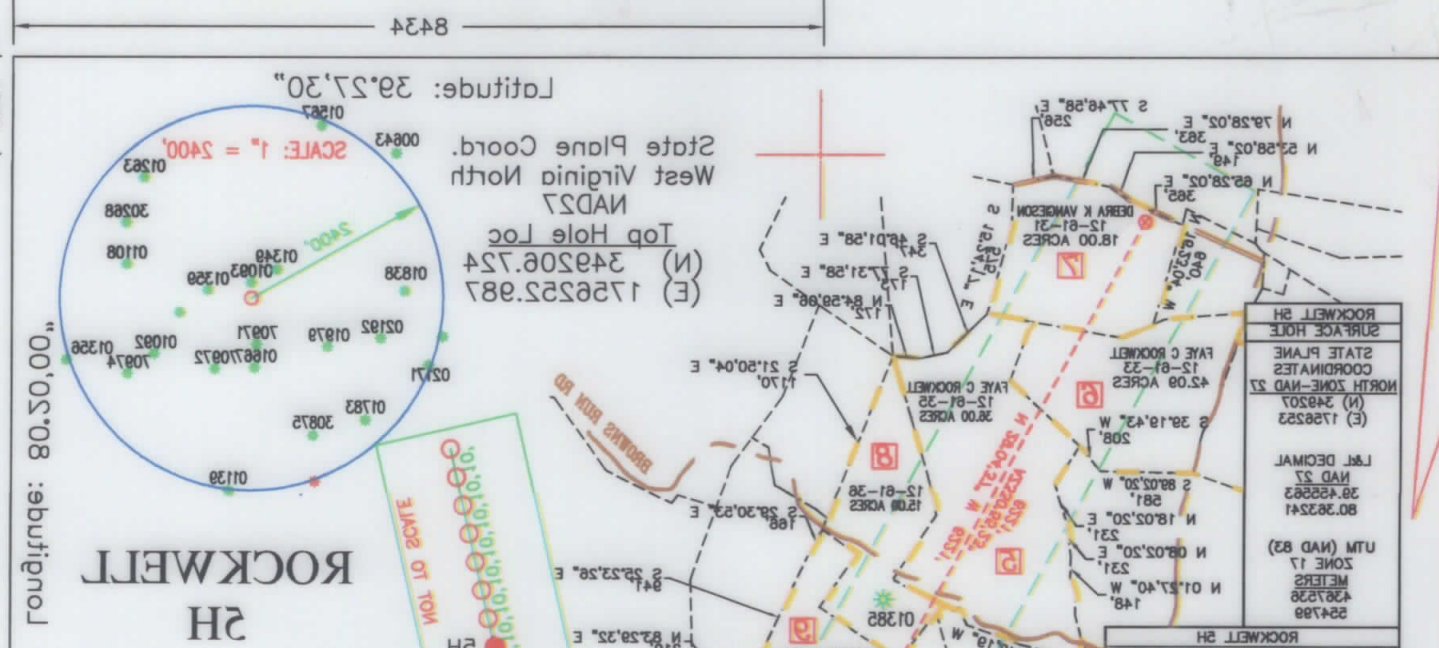
LEGEND

- EXISTING GAS WELL
- 200' LATERAL OFFSET
- PROPOSED LATERAL
- ROADS
- CREEK \ STREAM
- SURFACE BOUNDARY
- LEASE BOUNDARY

ROCKWELL 5H
 1" = 600'
 24" POPLAR
 #5H (Top Hole)
 2.50" DIA
 1.5" PIN

ROCKWELL 5H BOTTOM HOLE
 STATE PLANE COORDINATES
 NORTH ZONE - NAD 27
 (E) 1252981
 (N) 3847181
 (U) 2847181
 METERS
 436273
 436273
 282788
 UTM (NAD 83) ZONE 17

LEASE LESSOR	NUMBER ACRES
(1) ALICE E JOSEPH	18.31 ±
(2) ROLAND GARRETT LLOYD	8.00 ±
(3) BARBARA BRENNAN	25.00 ±
(4) FAYE C ROCKWELL	128.00 ±
(5) GOLDIA REED	19.48 ±
(6) FAYE C ROCKWELL	88.01 ±
(7) DONALD GORDAN HUMPHREY	18.00 ±
(8) BETTY CAPPEL	12.00 ±
(9) WILLA M NAY	14.24 ±
(10) LINDA BRADLEY	4.75 ±



Latitude: 39°27'30"
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 34206.724
 (E) 175252.987



Scale: 1" = 2400'
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 34206.724
 (E) 175252.987

Scale: 1" = 600'
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 34206.724
 (E) 175252.987

Scale: 1" = 1200'
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 34206.724
 (E) 175252.987

Scale: 1" = 2400'
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 34206.724
 (E) 175252.987

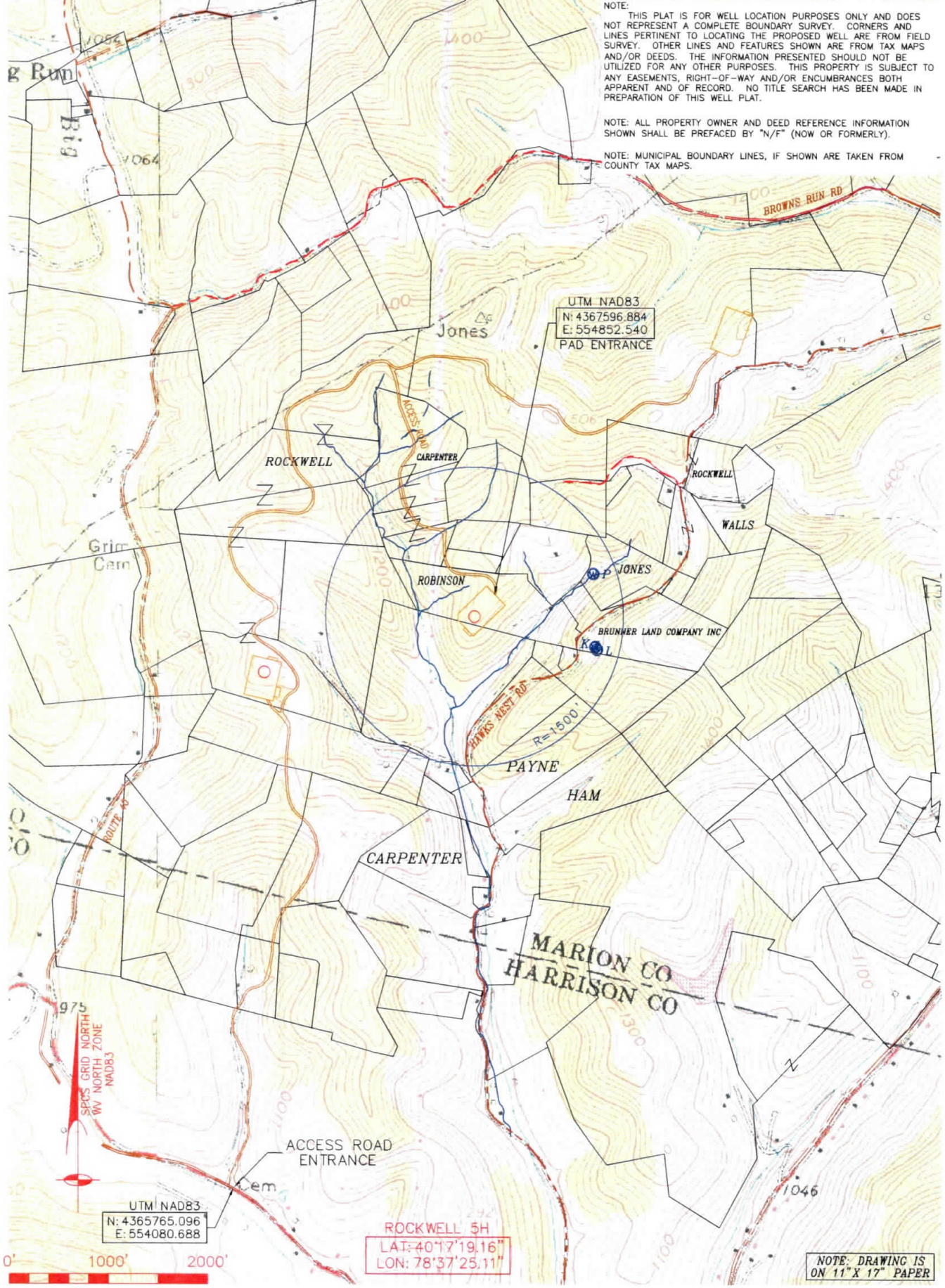
Scale: 1" = 2400'
 State Plane Coord.
 West Virginia North
 NAD27
 Top Hole Loc
 (N) 34206.724
 (E) 175252.987

LEGEND	
	WATER SUPPLY - WATER WELL
	WATER SUPPLY - SPRING

MANNINGTON

NOTE:
THIS PLAT IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. CORNERS AND LINES PERTINENT TO LOCATING THE PROPOSED WELL ARE FROM FIELD SURVEY. OTHER LINES AND FEATURES SHOWN ARE FROM TAX MAPS AND/OR DEEDS. THE INFORMATION PRESENTED SHOULD NOT BE UTILIZED FOR ANY OTHER PURPOSES. THIS PROPERTY IS SUBJECT TO ANY EASEMENTS, RIGHT-OF-WAY AND/OR ENCUMBRANCES BOTH APPARENT AND OF RECORD. NO TITLE SEARCH HAS BEEN MADE IN PREPARATION OF THIS WELL PLAT.

NOTE: ALL PROPERTY OWNER AND DEED REFERENCE INFORMATION SHOWN SHALL BE PREFACED BY "N/F" (NOW OR FORMERLY).
NOTE: MUNICIPAL BOUNDARY LINES, IF SHOWN ARE TAKEN FROM COUNTY TAX MAPS.



REVISED	COMMENTS
07/11/2014	BMK-ADDED TOPO IMAGE-REMOVED PURVEYORS OVER 1500'-ADDED UTM NAD83 CORDS

TRI - COUNTY ENGINEERING, LLC
319 PAINTERSVILLE ROAD
HUNKER, PA 15639
VOICE: 724 / 635-0210 FAX: 724 / 635-0676



ROCKWELL UNIT WATER WELL	
XTO ENERGY INC.	
DRAWN BY: BMK	DATE: 6/30/14
MANNINGTON TOWNSHIP MARION COUNTY, WEST VIRGINIA	
SCALE: 1" = 1000'	SHEET 1
FILE NO. XTO0657-09	

Received
Office of Oil & Gas
OCT 27 2014

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

Date of Notice Certification: 10/24/14

API No. 47- _____
Operator's Well No. Rockwell 5H
Well Pad Name: Rockwell Pad

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 listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>554791</u>
County: <u>Marion</u>	Northing: <u>4367527</u>
District: <u>Mannington</u>	Public Road Access: <u>Harrison County Rt. 3 (Robinson Wyatt Run)</u>
Quadrangle: <u>Shinnston</u>	Generally used farm name: <u>Allen Robinson</u>
Watershed: <u>Bingamon Creek (0502000206)</u>	

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 (i) 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 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 West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p>
--	---

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 Oil & Gas
OCT 27 2014

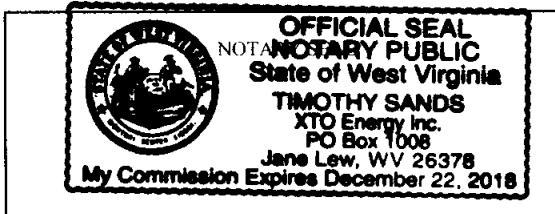
08/27/2021

Certification of Notice is hereby given:

THEREFORE, I Gary Beall, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator: XTO Energy Inc.
By: [Signature]
Its: Production Superintendent
Telephone: 304-884-6000

Address: PO Box 1008
Jane Lew, WV 26378
Facsimile: 304-884-6809
Email:



Subscribed and sworn before me this 24th day of Oct. 2014.

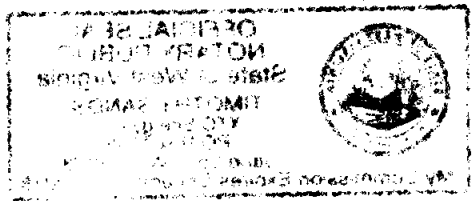
[Signature] Notary Public

My Commission Expires 12/22/18

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 deprivacyofficer@wv.gov.

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OCT 27 2014 08/27/2021



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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.**

Date of Notice: 10/24/14 **Date Permit Application Filed:** 10/24/14

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Allen Robinson
 Address: 9572 Newton Falls Rd
Ravanna, OH 44266
 Name: _____
 Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: Barbara Wagner
 Address: PO Box 47
Wyatt, WV 26463
 Name: David Webb
 Address: 931 Joetown Rd
Mannington, WV 26582

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
 Address: _____

COAL OWNER OR LESSEE

Name: Consolidation Coal Company
 Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

COAL OPERATOR

Name: Murray American Energy
 Address: 1 Bridge St
Monongah, WV 26554

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Brunner Land Company Inc.
 Address: PO Box 98
Byesville, OH 43723

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
 Address: _____

*Please attach additional forms if necessary

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08/27/2021
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	Rockwell 5H
Landowners	✓ Allen Robinson, 9572 Newton Falls Rd, Ravanna, OH 44266
	✓ Barbara Wagner, PO Box 47, Wyatt, WV 26463
	✓ 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/Operators	✓ Consolidated Coal, 1000 Consol Energy Drive, Cannonsburg, PA 15317
	✓ Murray American Energy, attn: Troy Freels, 1 Bridge St, Monongah, WV 26554
Water	✓ Brunner Land Company Inc., PO Box 98, Byesville, OH 43723
	✓ Maggie & Howard Jones, 752 Hawks Nest Rd, Mannington, WV 26582

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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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

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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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 57th 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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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 <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> 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.

08/27/2021

Received
Office of Oil & Gas

OCT 27 2014

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. Rockwell 5H
Well Pad Name: Rockwell Pad

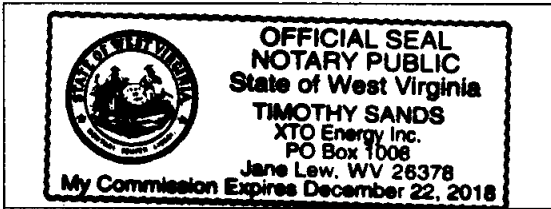
Notice is hereby given by:

Well Operator: XTO Energy, Inc.
Telephone: 304-884-6000
Email: _____

Address: PO Box 1008
Jane Lew, WV 26378
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 deprivacyofficer@wv.gov.

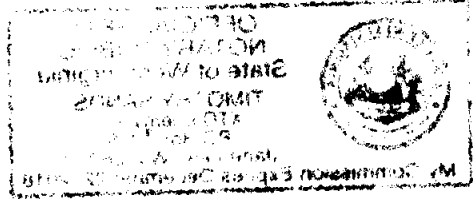


Subscribed and sworn before me this 24th day of Oct, 2014.

T L Notary Public

My Commission Expires 12/22/18

08/27/2021
Received
Office of Oil & Gas
OCT 27 2014



08/27/2021

XTO ENERGY INC. XTO0657-09 BINGAMON CREEK (0502000206) ROCKWELL WATER OFFSET (1500' OFFSET) 06/31/2014
 HUC-10 WATERSHED & NUMBER

POINT	SOURCE	NAME	MAILING ADDRESS	CITY	STATE	ZIP	BEARING	DISTANCE	PARCEL ID WITHING 3000'
K	WELL & CITY	BRUNNER LAND COMPANY INC	P O BOX 98	BYESVILLE	OH	43723	S 76°03'55" E	1255	12-60-1
L	SPRING DEVELOPED	BRUNNER LAND COMPANY INC	P O BOX 98	BYESVILLE	OH	43723	S 75°03'14" E	1277	12-60-1
P	WELL	MAGGIE R & HOWARD R JONES	752 HAWKS NEST RD	MANNINGTON	WV	26582	N 70°03'44" E	1273	12-60-2.2

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Allen Robinson
9572 Newton Falls Rd
Ravanna, OH 44266

Rockwell SM Permit App

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Barbara Wagner
PO Box 47
Wyatt, WV 26463

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David Webb
931 Joetown Rd.
Mannington, WV 26582

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Fara May Webb
1084 Joetown Rd
Mannington, WV 26852

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Faye Rockwell
316 East Run Rd.
Farmington, WV 26571

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1457 Wyatt Rd.
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James & Barbara Carpenter
890 Hawks Nest Rd
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Janet Nutter
324 Elmhurst St.
Morgantown, WV 26505

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John & Rita Heldreth
12 Humanity St.
Fairmont, WV26554

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Kathleen Crim Stone
5117 New Carlisle Pike
Springfield, OH 45504

Rockwell SM Permit Application

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Perry Hughes
70 Twin Creek Trl.
Buffalo, MO 65622

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CONSOL Energy
Attn: Mr. Donald Puglio P.G.
CNX Center
1000 Consol Energy Drive
Cannonsburg, PA 15317-6506

Rockwell SM Permit App

for Instructions

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Murray American Energy
Attn: Troy Freels
1 Bridge St.
Monongah, WV 26554

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Murray Energy Corporation
Attn: Alex O'Neil, PE
46226 National Road
St. Clairsville, OH 43950

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Brunner Land Company Inc.
PO Box 98
Byesville, OH 43723

Rockwell SM Permit App

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Maggie & Howard Jones
752 Hawks Nest Rd
Mannington, WV 26582

Rockwell SM Permit App

for Instructions

08/27/2021

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

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

Date of Notice: 10/24/14 **Date Permit Application Filed:** 10/24/14

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: Allen Robinson
Address: 9572 Newton Falls Rd
Ravanna, OH 44266

Name: See attached
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>554791</u>
County:	<u>Marion</u>		Northing:	<u>4367527</u>
District:	<u>Mannington</u>	Public Road Access:	<u>Harrison County Rt. 3 (Robinson Wyatt Run)</u>	
Quadrangle:	<u>Shinnston</u>	Generally used farm name:	<u>Allen Robinson</u>	
Watershed:	<u>Bingamon Creek (0502000206)</u>			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. 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) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: XTO Energy Inc.
Telephone: 304-884-6000
Email: _____

Address: PO Box 1008
Jane Lew, WV 26378
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 depprivacyofficer@wv.gov.

08/27/2021

Received
Office of Oil & Gas
OCT 27 2014

	Rockwell 5H
Landowners	Allen Robinson, 9572 Newton Falls Rd, Ravanna, OH 44266
	Barbara Wagner, PO Box 47, Wyatt, WV 26463
	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

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Allen Robinson
9572 Newton Falls Rd
Ravanna, OH 44266

Rockwell SM Permit App

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Barbara Wagner
PO Box 47
Wyatt, WV 26463

Rockwell SM Permit App

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David Webb
931 Joetown Rd.
Mannington, WV 26582

Rockwell SM Permit App

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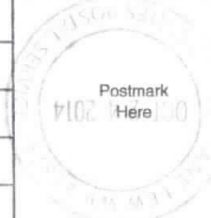
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Fara May Webb
1084 Joetown Rd
Mannington, WV 26852

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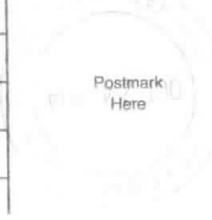
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Faye Rockwell
316 East Run Rd.
Farmington, WV 26571

Rockwell SM Permit Application

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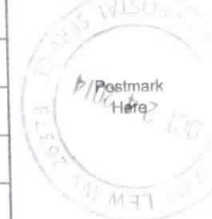
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Gerald Lucas Heirs
1457 Wyatt Rd.
Mannington, WV 26582

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James & Barbara Carpenter
890 Hawks Nest Rd
Mannington, WV 26582

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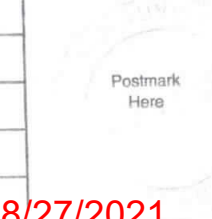
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Janet Nutter
324 Elmhurst St.
Morgantown, WV 26505

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John & Rita Heldreth
12 Humanity St.
Fairmont, WV26554

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Kathleen Crim Stone
5117 New Carlisle Pike
Springfield, OH 45504

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Perry Hughes
70 Twin Creek Trl.
Buffalo, MO 65622

Rockwell SM Permit Application

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CONSOL Energy
Attn: Mr. Donald Puglio P.G.
CNX Center
1000 Consol Energy Drive
Cannonsburg, PA 15317-6506

Rockwell SM Permit App

for Instructions

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Murray American Energy
Attn: Troy Freels
1 Bridge St.
Monongah, WV 26554

Rockwell SM Permit Application

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Murray Energy Corporation
Attn: Alex O'Neil, PE
46226 National Road
St. Clairsville, OH 43950

Rockwell SM Permit App

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Brunner Land Company Inc.
PO Box 98
Byesville, OH 43723

Rockwell SM Permit App

for Instructions

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Maggie & Howard Jones
752 Hawks Nest Rd
Mannington, WV 26582

Rockwell SM Permit App

for Instructions

Received
Office of Oil & Gas
OCT 27 2014

08/27/2021



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways

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

Earl Ray Tomblin
Governor

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

February 18, 2015

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

Subject: DOH Permit for the Rockwell Well Pad, Marion County
Rockwell 5H

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 Marion 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.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Tim Sands
XTO Energy, Inc.
CH, OM, D-4
File

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Office of Oil and Gas

FEB 18 2015

WV Department of
Environmental Protection

E.E.O./AFFIRMATIVE ACTION EMPLOYER

08/27/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

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)**	Comments
Water	XTO	Carrier/Base Fluid	Water	7732-18-5	100.00%	88.35%	08/27/2021 Received
Sand (Proppant)	Universal	Proppant	Silica Substrate		100.00%	11.20%	
Hydrochloric Acid (10%)	PPG Industries	Acidizing	Hydrochloric Acid	7647-01-0	10.00%	0.00%	
			Other - (non-hazardous)		85.00%	0.00%	
Hydrochloric Acid (7.5%)	PPG Industries	Acidizing	Hydrochloric Acid	7647-01-0	7.50%	0.03%	
			Other - (non-hazardous)		92.50%	0.34%	
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%	
			Dibromoacetone	3252-43-5	5.00%	0.00%	
			2,2-Dibromo-3-nitropropionamide	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	Shreve	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)		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		5.00%	0.00%	

Office of Oil & Gas

OCT 27 2014

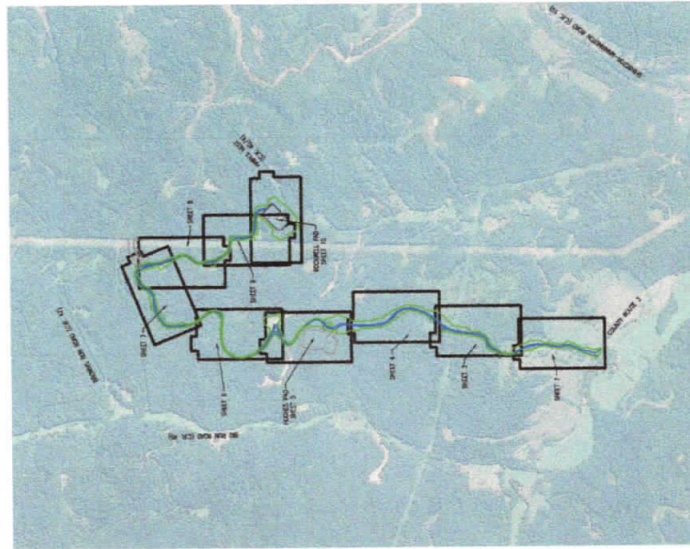
SEDIMENT CONTROL PLAN FOR THE ROCKWELL WELL PAD & ACCESS ROAD EAGLE & MANNINGTON DISTRICTS HARRISON & MARION COUNTIES, WEST VIRGINIA



SITE LOCATION MAP
SCALE 1" = 2000'

APPROVED
WV/DEP OOG
3/9/2015

API# 4902363



PROPERTY OWNER	TAX I.D.	DISTURBED AREA
FARA WY WEBB	09-146-05	1,082 AC
DAVID W WEBB	09-146-05.2	2,200 AC
CERVALO L WELLS	12-59-92	0.100 AC
CINW FAMILY TRUST	12-59-55	1,800 AC
JOHN C BARBARA L	12-59-10	0.003 AC
JANET NUTTER & BARBARA WISNET	12-59-10.5	0.800 AC
JOHN HILGERTH	12-59-10	3,700 AC
CINW FAMILY TRUST	12-59-55	0.040 AC
FAVE C ROCKWELL	12-59-09	1,600 AC
FERRY L HUGHES	12-59-16	2,800 AC
FAVE C ROCKWELL	12-59-09	8,600 AC
FERRY L HUGHES	12-59-16.2	1,400 AC
JAMES J & BARBARA C CAMPBELL	12-59-51	1,300 AC
JAMES J & BARBARA C CAMPBELL	12-59-52	0,200 AC
JAMES J & BARBARA C CAMPBELL	12-59-53	0,700 AC
FAVE C ROCKWELL	12-59-24.1	0,600 AC
DONALD RICHARDS	12-59-58	0,200 AC
ALLEN T ROBINSON	12-59-9.1	1,300 AC
ALLEN T ROBINSON	12-59-9.1	5,400 AC
FERRY L HUGHES	12-59-18	1,700 AC

NO.	REVISIONS	DATE	BY
1	WV/DEP COMMENTS	1/20/15	AS

PLAN	TITLE	SHEET NUMBER
SEDIMENT CONTROL PLAN	SEE CONTROL PLAN - COVER	SHEET 1
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 2
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 3
SEDIMENT CONTROL PLAN	ACCESS ROAD & PILL AREA 2	SHEET 4
SEDIMENT CONTROL PLAN	ACCESS ROAD & STOCKPILE AREAS	SHEET 5
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 6
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 7
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 8
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 9
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 10
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 11
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 12
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 13
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 14
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 15
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SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 26
SEDIMENT CONTROL PLAN	ACCESS ROAD TO ROCKWELL WELL PAD	SHEET 27

XTO ENERGY
810 HOUSTON STREET
FORT WORTH, TX 76102

SEDIMENT CONTROL PLAN - COVER
ROCKWELL WELL PAD & ACCESS ROADS

Date: 02/17/15
Scale: AS SHOWN
Project: W/23/15/0001

TRI-COUNTY ENGINEERING, LLC

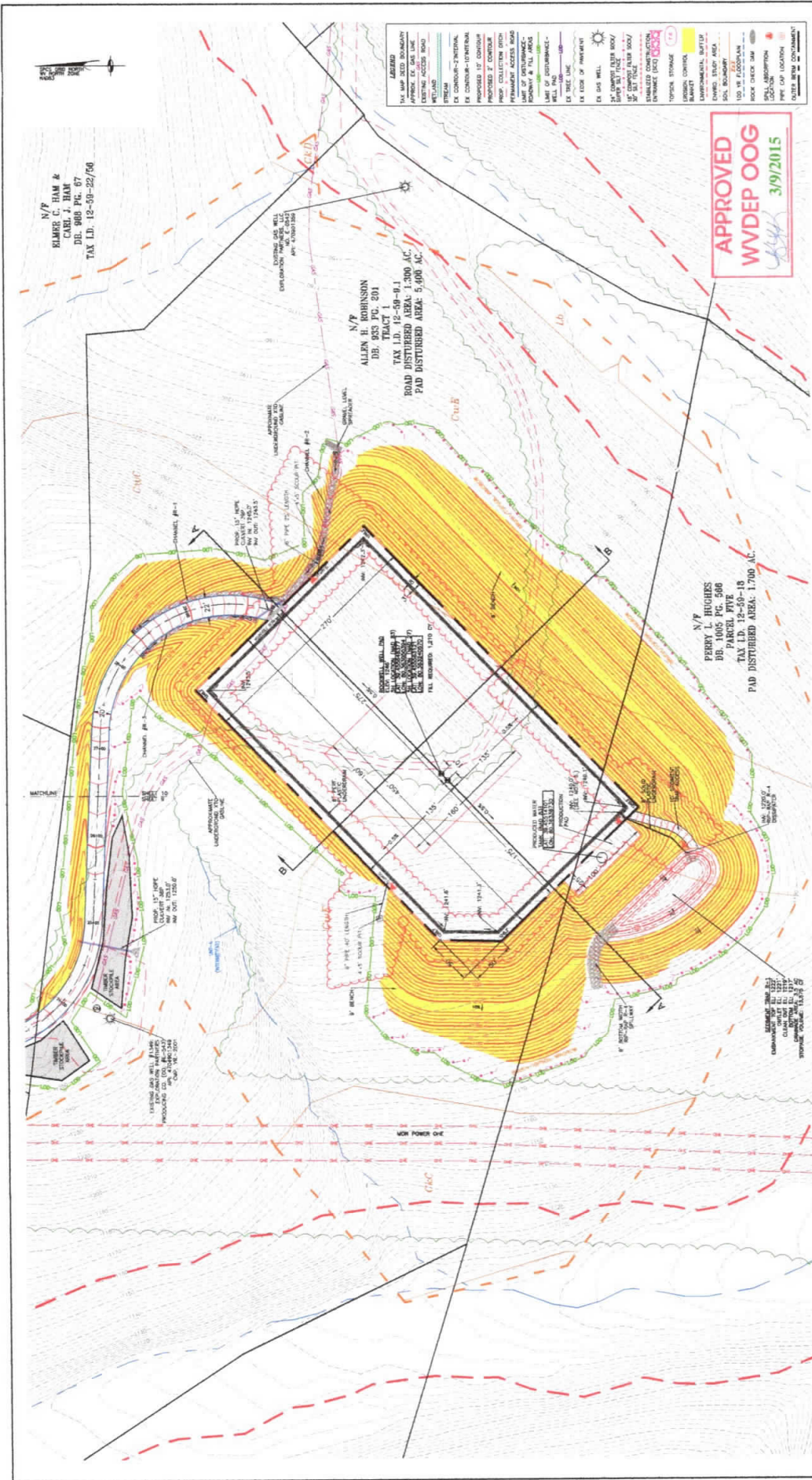
Date: 02/17/15
Scale: AS SHOWN
Project: W/23/15/0001

Engineering Solutions

Date: 02/17/15
Scale: AS SHOWN
Project: W/23/15/0001

Electronic version of these plans may be viewed at: Q:\OIL GASSAY FILES\REVIEWS

08/27/2021



N/P
 KIMBER C. HAM &
 CIVIL ENGINEERS
 DB. 033 PC. 67
 TAX ID. 19-59-22/00

N/P
 ALLEN H. ROBINSON
 DB. 033 PC. 201
 TRACT 1
 TAX ID. 12-59-99-4.1
 ROAD DISTURBED AREA: 1,300 AC.
 PAD DISTURBED AREA: 5,600 AC.

N/P
 PERRY L. HUGHES
 DB. 1069 PC. 866
 TAX ID. 12-59-18
 PAD DISTURBED AREA: 1,700 AC.

APPROVED
WVDEP OOG
 3/9/2015

- LEGEND**
- 1/4" MAP GRID BOUNDARY
 - APPROX. EX. GAS LINE
 - EXISTING ACCESS ROAD
 - WETLAND
 - STREAM
 - EX. CONDUIT-TRENCH
 - EX. CONDUIT-TRENCH
 - PROPOSED 2" CONDUIT
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 - PROPOSED 2670" CONDUIT
 - PROPOSED 2676" CONDUIT
 - PROPOSED 2682" CONDUIT
 - PROPOSED 2688" CONDUIT
 - PROPOSED 2694" CONDUIT
 - PROPOSED 2700" CONDUIT
 - PROPOSED 2706" CONDUIT
 - PROPOSED 2712" CONDUIT
 - PROPOSED 2718" CONDUIT
 - PROPOSED 2724" CONDUIT
 - PROPOSED 2730" CONDUIT
 - PROPOSED 2736" CONDUIT
 - PROPOSED 2742" CONDUIT
 - PROPOSED 2748" CONDUIT
 - PROPOSED 2754" CONDUIT
 - PROPOSED 2760" CONDUIT
 - PROPOSED 2766" CONDUIT
 - PROPOSED 2772" CONDUIT
 - PROPOSED 2778" CONDUIT
 - PROPOSED 2784" CONDUIT
 - PROPOSED 2790" CONDUIT
 - PROPOSED 2796" CONDUIT
 - PROPOSED 2802" CONDUIT
 - PROPOSED 2808" CONDUIT
 - PROPOSED 2814" CONDUIT
 - PROPOSED 2820" CONDUIT
 - PROPOSED 2826" CONDUIT
 - PROPOSED 2832" CONDUIT
 - PROPOSED 2838" CONDUIT
 - PROPOSED 2844" CONDUIT
 - PROPOSED 2850" CONDUIT
 - PROPOSED 2856" CONDUIT
 - PROPOSED 2862" CONDUIT
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 - PROPOSED 2874" CONDUIT
 - PROPOSED 2880" CONDUIT
 - PROPOSED 2886" CONDUIT
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 - PROPOSED 2898" CONDUIT
 - PROPOSED 2904" CONDUIT
 - PROPOSED 2910" CONDUIT
 - PROPOSED 2916" CONDUIT
 - PROPOSED 2922" CONDUIT
 - PROPOSED 2928" CONDUIT
 - PROPOSED 2934" CONDUIT
 - PROPOSED 2940" CONDUIT
 - PROPOSED 2946" CONDUIT
 - PROPOSED 2952" CONDUIT
 - PROPOSED 2958" CONDUIT
 - PROPOSED 2964" CONDUIT
 - PROPOSED 2970" CONDUIT
 - PROPOSED 2976" CONDUIT
 - PROPOSED 2982" CONDUIT
 - PROPOSED 2988" CONDUIT
 - PROPOSED 2994" CONDUIT
 - PROPOSED 3000" CONDUIT

STOP - CALL BEFORE YOU DIG!
 Mass Utility of West Virginia
 1-800-245-4848
 TICKETS: 15103036 & 15103031

NOTICE REGARDING UNDERGROUND UTILITIES: NO WARRANTY IS MADE THAT THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE THE CORRECT LOCATION OF EXISTING UTILITIES. THE USER OF THIS PLAN SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER AT 1-800-245-4848 BY MAILING IN THAT BY CONTACTING THE OWNER AT 1-800-245-4848.

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	7/27/14
2	REVISED PER PERMIT	7/27/14
3	REVISED PER PERMIT	7/27/14

TRI-COUNTY ENGINEERING, LLC
 1740 13th Street, Suite 100, Martinsburg, WV 26150
 Phone: (304) 263-8210 Fax: (304) 263-8272

SEDIMENT CONTROL PLAN
ROCKWELL WELL PAD
& ACCESS ROAD

Project No: 14-00000000
 Date: 8/27/14
 Scale: 1" = 50'
 Sheet No: 1 of 1
 Project No: 14-00000000

XTO ENERGY
 810 ROXISTON STREET
 FORT WORTH, TX 76102
 GRAPHIC SCALE 1" = 50'

Professional Engineer Seal: PERRY L. HUGHES, No. 1069, State of West Virginia, Exp. 12/31/2015

08/27/2021