



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, August 4, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for CASH 1H
47-103-03398-00-00

Adding an AST to the pad

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin
Chief

Operator's Well Number: CASH 1H
Farm Name: JOHN R. & PHYLLIS R. BOHRER
U.S. WELL NUMBER: 47-103-03398-00-00
Horizontal 6A New Drill
Date Modification Issued: 8/4/2023

Promoting a healthy environment.

08/04/2023



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, August 4, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for 7H
47-103-03522-00-00

Adding an AST to the pad

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin
Chief

Operator's Well Number: 7H
Farm Name: BOHRER, JOHN R. & PHYLLIS R.
U.S. WELL NUMBER: 47-103-03522-00-00
Horizontal 6A New Drill
Date Modification Issued: 8/4/2023

Promoting a healthy environment.

08/04/2023



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, August 4, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for 5H
47-103-03523-00-00

Adding an AST to the pad

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin
Chief

Operator's Well Number: 5H
Farm Name: BOHRER, JOHN R. & PHYLLIS R.
U.S. WELL NUMBER: 47-103-03523-00-00
Horizontal 6A New Drill
Date Modification Issued: 8/4/2023

Promoting a healthy environment.

08/04/2023



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, August 4, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for CASH 3H
47-103-03524-00-00

Adding an AST to the pad

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A blue ink signature of James A. Martin, Chief, is written over the text.

James A. Martin
Chief

Operator's Well Number: 3H
Farm Name: BOHRER, JOHN R. & PHYLLIS R.
U.S. WELL NUMBER: 47-103-03524-00-00
Horizontal 6A New Drill
Date Modification Issued: 8/4/2023

Promoting a healthy environment.

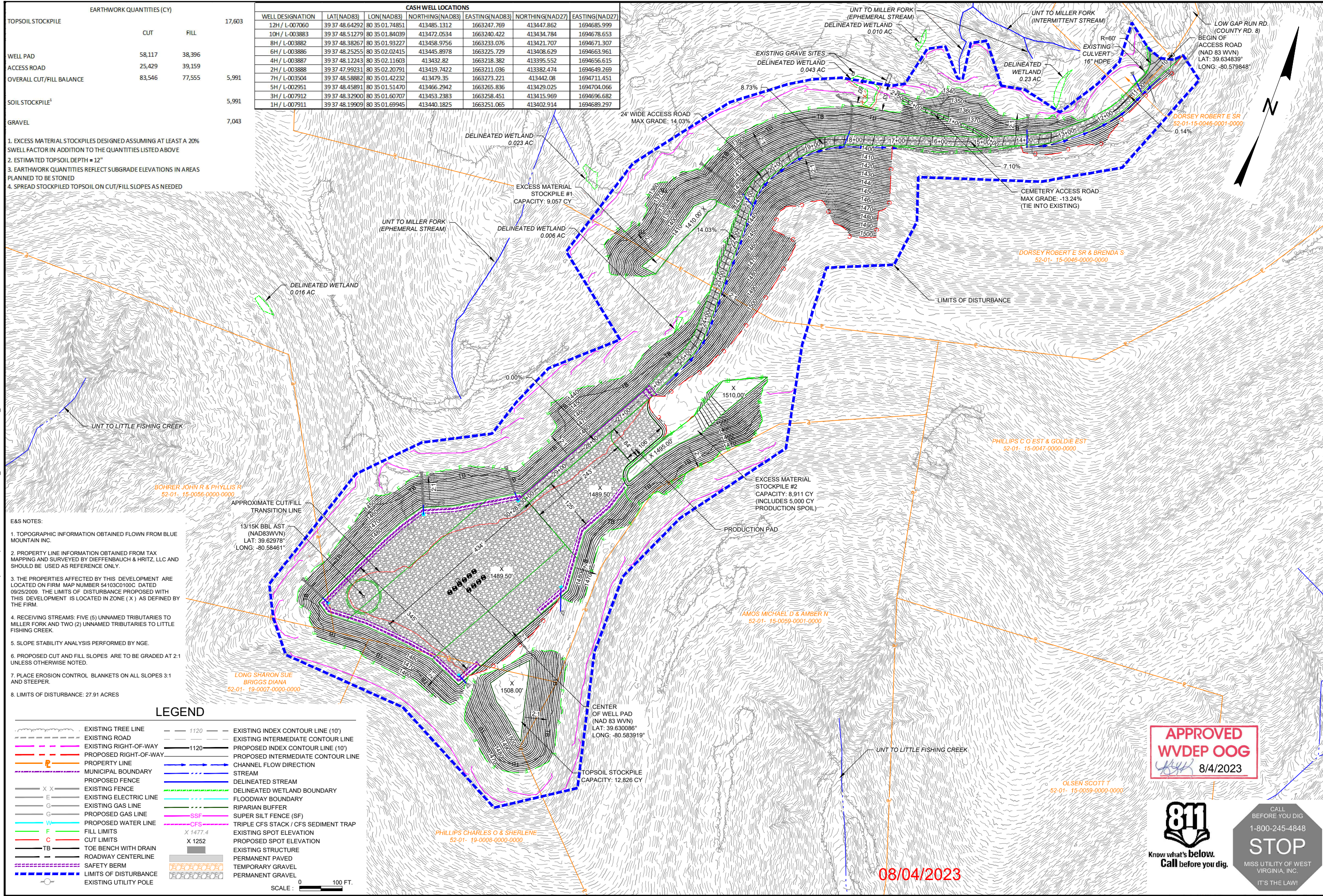
08/04/2023

SCALE: 200 PLOTTED: 5/18/2023 2:59 PM FILE: X:\OIL AND GAS\EQT\2018\18070-052 - WV\PRELIMINARY\CASH - OVERALL SITE PLAN_05.18.23.DWG

EARTHWORK QUANTITIES (CY)	CUT		FILL	
	CUT	FILL		
TOPSOIL STOCKPILE			17,603	
WELL PAD	58,117	38,396		
ACCESS ROAD	25,429	39,159		
OVERALL CUT/FILL BALANCE	83,546	77,555	5,991	
SOIL STOCKPILE ¹			5,991	
GRAVEL			7,043	

CASH WELL LOCATIONS						
WELL DESIGNATION	LAT (NAD83)	LOX (NAD83)	NORTHING (NAD83)	EASTING (NAD83)	NORTHING (NAD27)	EASTING (NAD27)
12H / L-007060	39 37 48.64292	80 35 01.74851	413485.1312	1663247.769	413447.862	1694685.999
10H / L-003883	39 37 48.51279	80 35 01.84039	413472.0534	1663240.422	413434.784	1694678.653
8H / L-003882	39 37 48.38267	80 35 01.93227	413458.9756	1663233.076	413421.707	1694671.307
6H / L-003886	39 37 48.25255	80 35 02.02415	413445.8978	1663225.729	413408.629	1694663.961
4H / L-003887	39 37 48.12243	80 35 02.11603	413432.82	1663218.382	413395.552	1694656.615
2H / L-003888	39 37 47.99231	80 35 02.20791	413419.7422	1663211.036	413382.474	1694649.269
7H / L-003504	39 37 48.58882	80 35 01.42232	413479.35	1663273.221	413442.08	1694711.451
5H / L-002951	39 37 48.45891	80 35 01.51470	413466.2942	1663265.836	413429.025	1694704.066
3H / L-007912	39 37 48.32900	80 35 01.60707	413453.2383	1663258.451	413415.969	1694696.682
1H / L-007911	39 37 48.19909	80 35 01.69945	413440.1825	1663251.065	413402.914	1694689.297

- EXCESS MATERIAL STOCKPILES DESIGNED ASSUMING AT LEAST A 20% SWELL FACTOR IN ADDITION TO THE QUANTITIES LISTED ABOVE
- ESTIMATED TOPSOIL DEPTH = 12"
- EARTHWORK QUANTITIES REFLECT SUBGRADE ELEVATIONS IN AREAS PLANNED TO BE STONED
- SPREAD STOCKPILED TOPSOIL ON CUT/FILL SLOPES AS NEEDED



- E&S NOTES:
- TOPOGRAPHIC INFORMATION OBTAINED FROM BLUE MOUNTAIN INC.
 - PROPERTY LINE INFORMATION OBTAINED FROM TAX MAPPING AND SURVEYED BY DIEFFENBAUCH & HRITZ, LLC AND SHOULD BE USED AS REFERENCE ONLY.
 - THE PROPERTIES AFFECTED BY THIS DEVELOPMENT ARE LOCATED ON FIRM MAP NUMBER 54103C0100C DATED 09/25/2009. THE LIMITS OF DISTURBANCE PROPOSED WITH THIS DEVELOPMENT IS LOCATED IN ZONE (X) AS DEFINED BY THE FIRM.
 - RECEIVING STREAMS: FIVE (5) UNNAMED TRIBUTARIES TO MILLER FORK AND TWO (2) UNNAMED TRIBUTARIES TO LITTLE FISHING CREEK.
 - SLOPE STABILITY ANALYSIS PERFORMED BY NGE.
 - PROPOSED CUT AND FILL SLOPES ARE TO BE GRADED AT 2:1 UNLESS OTHERWISE NOTED.
 - PLACE EROSION CONTROL BLANKETS ON ALL SLOPES 3:1 AND STEEPER.
 - LIMITS OF DISTURBANCE: 27.91 ACRES

LEGEND	
	EXISTING TREE LINE
	EXISTING ROAD
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	PROPERTY LINE
	MUNICIPAL BOUNDARY
	PROPOSED FENCE
	EXISTING FENCE
	EXISTING ELECTRIC LINE
	EXISTING GAS LINE
	PROPOSED GAS LINE
	PROPOSED WATER LINE
	FILL LIMITS
	CUT LIMITS
	TOE BENCH WITH DRAIN
	ROADWAY CENTERLINE
	SAFETY BERM
	LIMITS OF DISTURBANCE
	EXISTING UTILITY POLE
	EXISTING INDEX CONTOUR LINE (10')
	EXISTING INTERMEDIATE CONTOUR LINE
	PROPOSED INDEX CONTOUR LINE (10')
	PROPOSED INTERMEDIATE CONTOUR LINE
	CHANNEL FLOW DIRECTION
	STREAM
	DELINEATED STREAM
	DELINEATED WETLAND BOUNDARY
	FLOODWAY BOUNDARY
	RIPIARIAN BUFFER
	SUPER SILT FENCE (SF)
	TRIPLE CFS STACK / CFS SEDIMENT TRAP
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	EXISTING STRUCTURE
	PERMANENT PAVED
	TEMPORARY GRAVEL
	PERMANENT GRAVEL

SCALE: 0 100 FT.

APPROVED WVDEP OOG
8/4/2023



CALL BEFORE YOU DIG
1-800-245-4848
STOP
MISS UTILITY OF WEST VIRGINIA, INC.
IT'S THE LAW!

08/04/2023

REVISION	DATE	NO.	DESCRIPTION
TMR DRAWN			
BLB CHECKED			
HLP APPROVED			
MAY 2023 DATE			
20070-003 PROJECT NO.			

CLIENT: EQT PRODUCTION COMPANY
PROJECT: CASH WELL SITE WETZEL COUNTY, WV

CONTRACTOR: DIEFFENBAUCH & HRITZ, LLC
1055 Chesapeake Road, Suite 200
Morgantown, WV, 26501
www.dandhengineers.com
P. 304.985.5555 F. 304.985.5557

OVERALL E&S SITE PLAN
TITLE: 1
DRAWING NO.