



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

Thursday, December 1, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for SHANNON FIELD OHI 210
47-069-00334-00-00

Adding an AST to the pad

SWN PRODUCTION COMPANY, LLC

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: SHANNON FIELD OHI 210
Farm Name: SHANNON FIELDS, LLC
U.S. WELL NUMBER: 47-069-00334-00-00
Horizontal 6A New Drill
Date Modification Issued: 12/1/2022

Promoting a healthy environment.

12/02/2022



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Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for SHANNON FIELDS OHI 10H
47-069-00338-00-00

Adding an AST to the pad

SWN PRODUCTION COMPANY, LLC

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: SHANNON FIELDS OHI 10H
Farm Name: SHANNON FIELDS, LLC
U.S. WELL NUMBER: 47-069-00338-00-00
Horizontal 6A New Drill
Date Modification Issued: 12/1/2022

Promoting a healthy environment.

12/02/2022



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PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for SHANNON FIELDS OHI 1H
47-069-00344-00-00

Adding an AST to the pad

SWN PRODUCTION COMPANY, LLC

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.

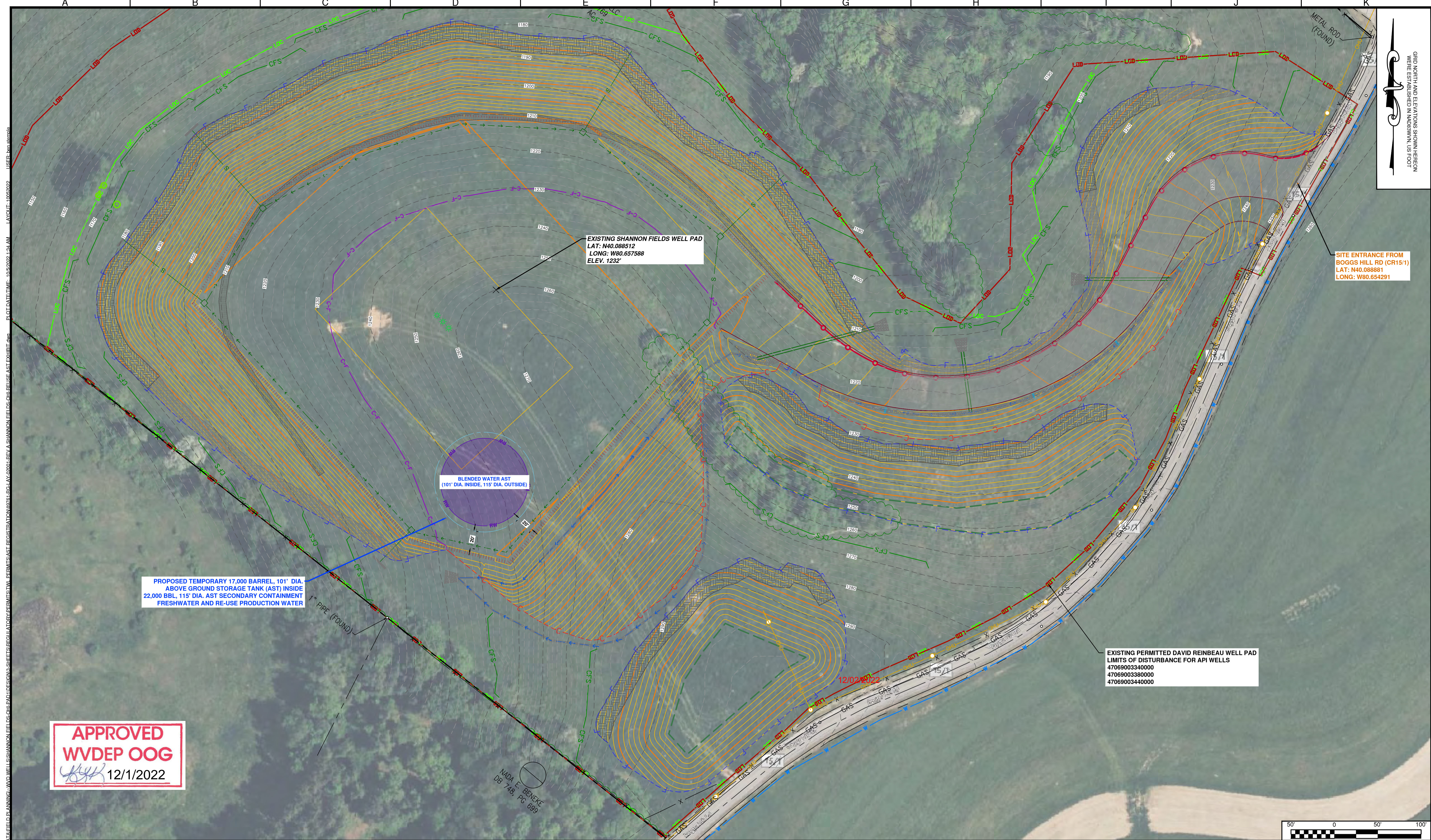
A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin
Chief

Operator's Well Number: SHANNON FIELDS OHI 1H
Farm Name: SHANNON FIELDS, LLC
U.S. WELL NUMBER: 47-069-00344-00-00
Horizontal 6A New Drill
Date Modification Issued: 12/1/2022

Promoting a healthy environment.

12/02/2022



GRID NORTH AND ELEVATIONS SHOWN HEREON WERE ESTABLISHED IN MADRID, US FOOT

CAD FILE: D:\E\PHOTO\DATA\FIELD PLANNING\WV\WELLS\SHANNON FIELDS\OH-REUSE AST EXHIBIT.dwg
 PLOT DATE/TIME: 10/05/2022 1:34 AM
 USER: ben.stemple

PROPOSED TEMPORARY 17,000 BARREL, 101' DIA. ABOVE GROUND STORAGE TANK (AST) INSIDE 22,000 BBL, 115' DIA. AST SECONDARY CONTAINMENT FRESHWATER AND RE-USE PRODUCTION WATER

BLENDED WATER AST (101' DIA. INSIDE, 115' DIA. OUTSIDE)

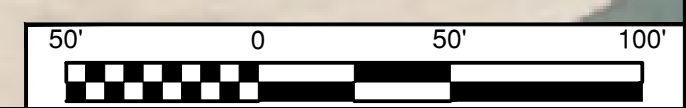
EXISTING SHANNON FIELDS WELL PAD
 LAT: N40.088512
 LONG: W80.657588
 ELEV. 1232'

SITE ENTRANCE FROM BOGGS HILL RD (CR15/1)
 LAT: N40.088881
 LONG: W80.654291

EXISTING PERMITTED DAVID REINBEAU WELL PAD
 LIMITS OF DISTURBANCE FOR API WELLS
 47069003340000
 47069003380000
 47069003440000

APPROVED
WVDEP OOG
 12/1/2022

NADA E. BENEKE
 DB 748, PG 699



| REFERENCES | | | | REVISIONS | | | |
|---|------------|-----|----------------------|-----------|------|------|------------|
| DOCUMENT | DATE | REV | REVISION DESCRIPTION | DRWN | CHKD | APPV | DATE |
| 2326-SWN-SHANNON FIELDS CONST PLANS-Final | 04/18/2022 | A | INITIAL ISSUE | BES | | | 10/04/2022 |
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IFP
 ISSUED FOR PERMITS

SWN R2 → V+
 Southwest Energy® A
 SOUTHWEST APPALACHIA DIVISION
 1300 FORT PIERPONT RD, MORGANTOWN, WV 26505
 WWW.SWN.COM

| | | | |
|-------------|-------------|---|---|
| PAD/AFE #: | 3001189761 | SOUTHWESTERN ENERGY, INC. SOUTHWEST APPALACHIA DIVISION SHANNON FIELDS WELL PAD RE-USE ABOVE GROUND STORAGE TANK OHIO COUNTY, WEST VIRGINIA | SHEET 02001 |
| ORIG. DATE: | 10/05/2022 | | |
| SCALE: | AS SHOWN | DOCUMENT TITLE: | RE-USE ABOVE GROUND STORAGE TANK EXHIBIT |
| DRAWN BY: | BEN STEMPEL | DOCUMENT NUMBER: | 89761-RG-LAY-02001-REV A SHANNON FIELDS-OHI-REUSE AST EXHIBIT |
| SEGMENT ID: | | REV | A |