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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, November 18, 2024  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for Serafin Ortiz MSH 1H  
47-051-02508-00-00

**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.



James A. Martin  
Chief

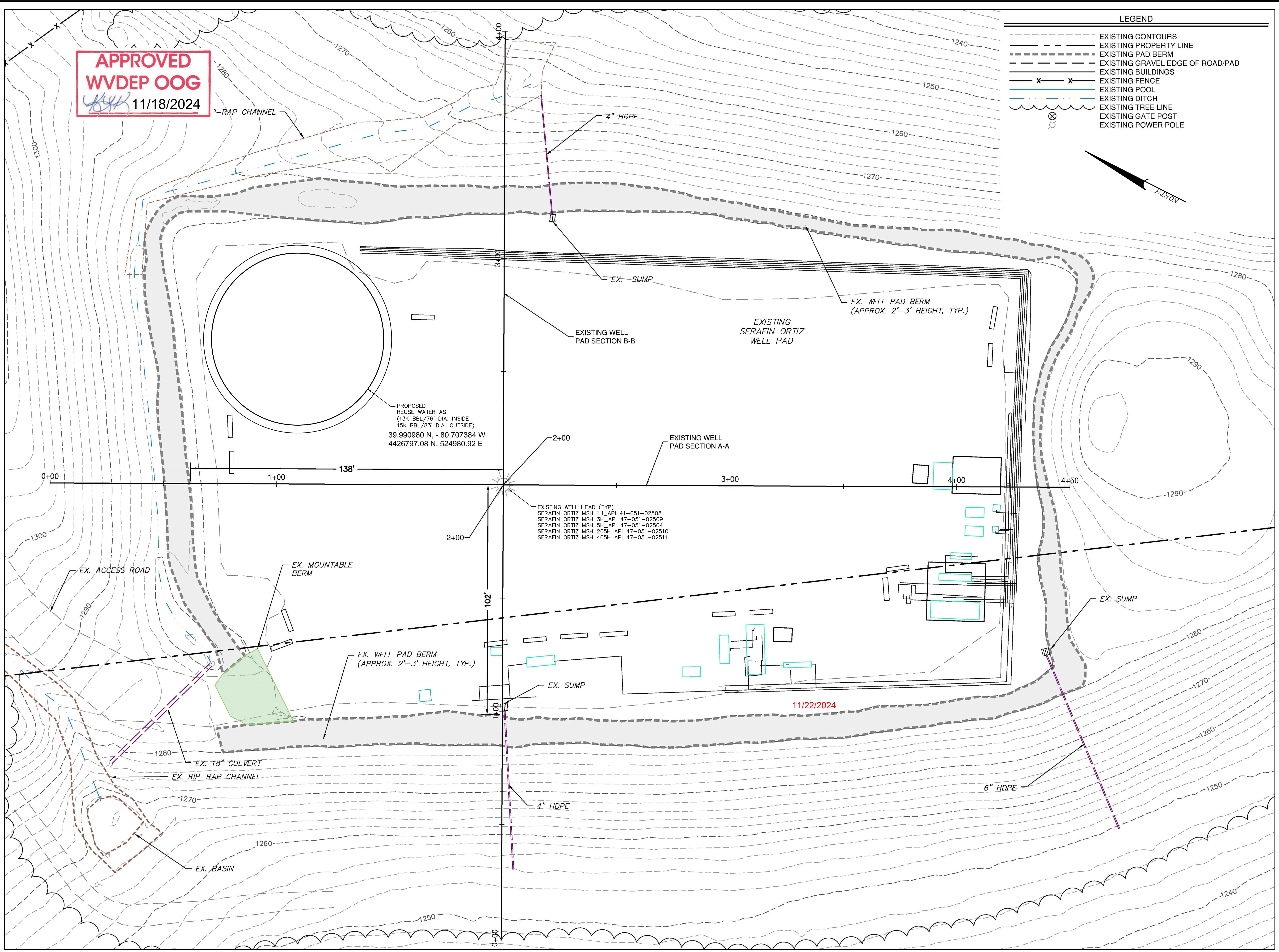
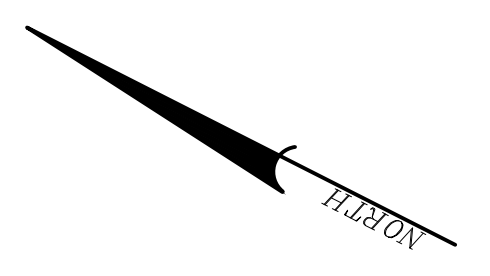
Operator's Well Number: Serafin Ortiz MSH 1H  
Farm Name: Frank J & Lori A Longwell  
U.S. WELL NUMBER: 47-051-02508-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 11/18/2024

Promoting a healthy environment.

11/22/2024

**APPROVED**  
**WVDEP OOG**  
*[Signature]* 11/18/2024

LEGEND	
	EXISTING CONTOURS
	EXISTING PROPERTY LINE
	EXISTING PAD BERM
	EXISTING GRAVEL EDGE OF ROAD/PAD
	EXISTING BUILDINGS
	EXISTING FENCE
	EXISTING POOL
	EXISTING DITCH
	EXISTING TREE LINE
	EXISTING GATE POST
	EXISTING POWER POLE



NO.	DATE	REVISION

FOR RETIEW ASSOCIATES BY:	
MANAGER: CASEY BARTIKUS	CHKD BY:
DESIGN BY: PDZ	CHKD BY:
DRAWN BY: PDZ	CHKD BY:
SURV. CHIEF: [Name]	FIELDBOOK NO. [Number]
	DMA COLLECTOR

CLIENT: **SWN** *Southwestern Energy*  
 Southwestern Energy A  
 SOUTHWEST APPALACHIA DIVISION  
 10000 Highway 100, Raleigh, NC 27607  
 www.swenergy.com

SCALE: 1"=20'  
 0 10' 20' 40' 60'

**RETIEW**  
 RETIEW Associates, Inc.  
 One Robinson Plaza, Suite 200, Pittsburgh, PA 15205  
 Phone (800) 738-8395  
 Email: retiew@retiew.com  
 Website: www.retiew.com  
 Engineers • Planners • Surveyors • Landscape Architects  
 Environmental Consultants

EXHIBIT  
 REUSE WATER AST  
 FOR  
**SERAFIN ORTIZ  
 PRODUCTION PAD**

UNION DISTRICT MARSHALL COUNTY, WV

DATE: 10/25/2024  
 SHEET NO. 1 OF 1  
 DWG. NO. 0875602698

NOT FOR CONSTRUCTION/NOT FOR BIDDING