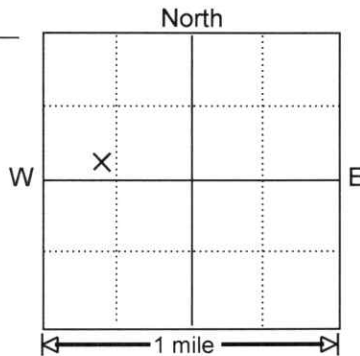


SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 2 Twp 38N Rg 28WCounty ToddPlease mark well
location with an "X"Plugging Completion Date April 30, 2026

Well Owner:

Name: Bureau of Indian Affairs (BIA)Address: 1849 C Street NWCity, State, Zip: Washington DC 20240

Comments:

P-1 (B-2) Lat: 43.2970486 Long: -100.60884338**RECEIVED****MAY 06 2026****CHECK APPROPRIATE BOX****OFFICE OF
WATER**EXISTING WELL ☒TEST HOLE ☐Well depth 25'Casing material PVCCasing size(s) 2"Casing condition Good

Hole depth _____

Hole size _____

Describe plugging procedure:

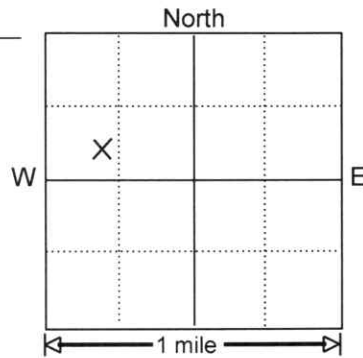
Contractor excavated approximately 23 feet for ongoing dam construction. Remaining casing was pulled and plugged with bentonite chip via tremie pipe. Surface restored with like embankment fill material

Describe grout or plugging material:

Hydrated 3/8" Bentonite ChipsType of non-slip plug: See AboveThis well or test hole was plugged under license # 678 and this report is true and accurate.Drilling firm: American Engineering TestingSignature of Licensed Representative: *Wyatt Scott*

Signature of Well Owner: _____

Date: 05/06/2026

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 2 Twp 38N Rg 28WCounty ToddPlease mark well
location with an "X"Plugging Completion Date April 30, 2026

Well Owner:

Name: Bureau of Indian Affairs (BIA)Address: 1849 C Street NWCity, State, Zip: Washington DC 20240

Comments:

P-2 (B-6) Lat: 43.29642352 Long: -100.60842149

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MAY 06 2026

CHECK APPROPRIATE BOXOFFICE OF
WATEREXISTING WELL ☒TEST HOLE ☐Well depth 15'Casing material PVCCasing size(s) 2"Casing condition Good

Hole depth _____

Hole size _____

Describe plugging procedure:

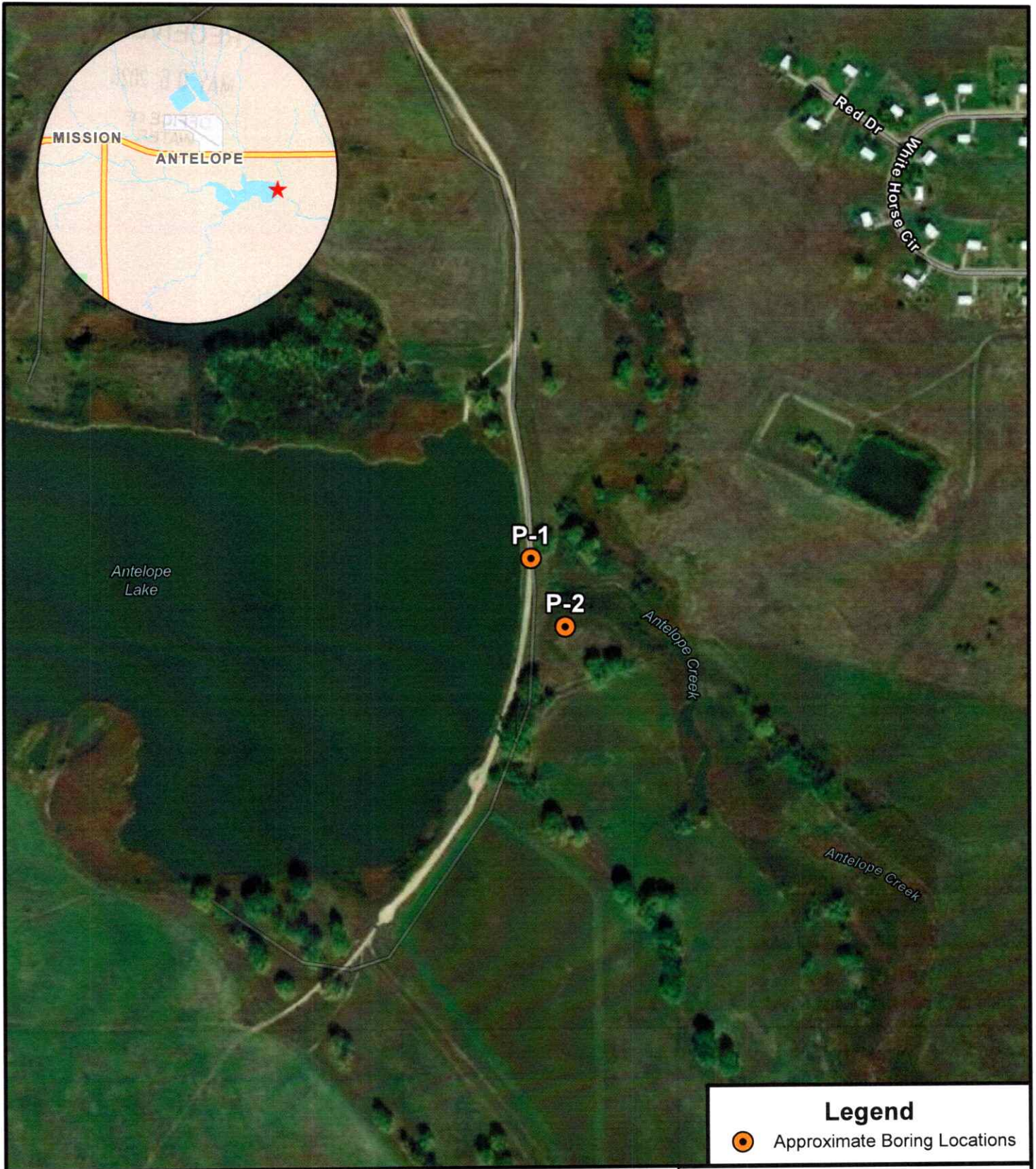
Casing was pulled, no cave in was measured and plugged with bentonite chip via tremie pipe. Surface completed with like embankment fill material.

Describe grout or plugging material:

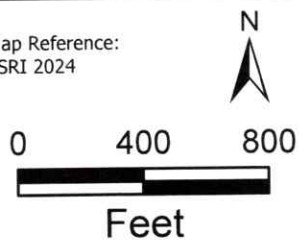
Hydrated 3/8" Bentonite ChipsType of non-slip plug: See AboveThis well or test hole was plugged under license # 678 and this report is true and accurate.Drilling firm: American Engineering TestingSignature of Licensed Representative: Wyatt Soder

Signature of Well Owner: _____

Date: 05/06/2026



Map Reference:
ESRI 2024



Legend

 Approximate Boring Locations

Figure 1

Piezometer Abandonment Map

Antelope Dam Design Modifications
Contract Drilling
Mission, South Dakota

Date: 5/6/2026

AET Project No. P-0050317

MAY 06 2026

Project No.: 4026.21890.01		LOG OF BOREHOLE B-2		OFFICE OF WATER		Sheet 1 of 2			
CLIENT				PROJECT					
Bureau of Indian Affairs (BIA)				Antelope Dam - Design Modifications					
BORING LOCATION				SITE					
See Figure 2 - Crest Boring				Antelope Dam - Mission, SD					
DEPTH (FT.)	MATERIAL DESCRIPTION	GRAPHIC LOG	ELEVATION (FT.)	SAMPLES			TESTS		Well
				BULK DRIVEN/PUSH	BLOWS PER 6" N BLOWS/FT	NUMBER IN RECOVERED IN. DRIVEN	PL	LL	
0	Surface Elevation: 2538.2								
2.5	Embankment Fill, Silty SAND with Gravel; medium dense, moist matrix, brown, fine to course grained sand, white clasts, subangular to subrounded		2535.7	4 6 5	11	1	18/18 100%		Flush Mount Cover
6	Embankment Fill, Clayey Sand; loose, moist to wet, brown to black, fine to course grained sand		2532	5 6 6	12	2	18/18 100%		Solid 2-in dia. PVC placed from 0.2 to 15.0 feet
10	Grades black clasts		2528.2	3 4 6	10	3	18/18 100%		Bentonite placed 1.5 to 13.0 feet
12	Embankment Fill, Sandy SILT; moist, light brown, fine to medium grained		2526	2 2 5	7	4	16/18 89%		Lab 35396: USCS=SC Nat. Moisture=15% Fines=48.2% Sand=51% Gravel=1% Liquid Limit=31 Plasticity Index=15
15	Embankment Fill, Sandy Lean CLAY; stiff moist, brown to light brown		2523.2			5	24/24 100%		
18	Grades light gray and medium stiff		2520	4 7 9	16	7	18/18 100%		Silica sand placed from 13.0 to 25.0 feet
24	Groundwater observed at 21.0 feet during drilling		2514	1 1 3	4	8	18/18 100%		2-in dia. screen placed from 25.0 to 15.0 feet
27	Silty, Clayey SAND; wet, medium dense, gray to light gray, fine to course grained		2511.2			9	24/24 100%		Lab 35401: USCS=CL Nat. Moisture= Fines=56.9% Sand=40% Gravel=3% Liquid Limit=34 Plastic Limit=19
30	Grades very loose		2508	4 5 8	13	10	18/18 100%		Lab 35403: Resistivity=4120 Ohm-cm pH=8.3 SO4=33 mg/L Bentonite chips placed 25.0 to 71.5 feet
36	Weathered Siltstone (Arikaree Formation); hard, moist, light gray to tan, lightly cemented, trace volcanic ash		2502.2	2 1 2	3	11	6/18 33%		Lab 35405: USCS=SC-SM Nat. Moisture=22% Fines=35.2% Sand=65% Liquid Limit=19 Plasticity Index=5
42			2496	6 11 32	43	12	18/18 100%		
				5 12 23	35	13	18/18 100%		

	DOWL		STARTED	6/09/2021	FINISHED	6/09/2021
	222 N 32nd St Suite 700		DRILL CO.	AET	DRILL RIG	CME 55 LC
	Billings, Montana 59101		DRILLER	Evan S.	Hammer	Auto
	Telephone: (406) 656-6399		LOGGED BY	Westin H.	APPROVED BY	D. Russell
		www.dowl.com				

MAY 06 2026

Project No.: 4026.21890.01		LOG OF BOREHOLE B-2		OFFICE OF WATER		Sheet 2 of 2		
CLIENT Bureau of Indian Affairs (BIA)				PROJECT Antelope Dam - Design Modifications				
BORING LOCATION See Figure 2 - Crest Boring				SITE Antelope Dam - Mission, SD				
DEPTH (FT.)	MATERIAL DESCRIPTION	GRAPHIC LOG	ELEVATION (FT.)	SAMPLES			TESTS	Well
				BULK DRIVEN/PUSH	BLOWS PER 6" N BLOWS/FT	IN RECOVERED IN DRIVEN	PL M.C. LL N VALUE ☐ BLOWS/FT	
	Surface Elevation: 2538.2							
48	Grades tan to white		2490	33 75 25 50/ 4"	14	16/16 100%	75	Lab 35408: USCS=CL-ML Nat. Moisture=24% Fines=71.3 Sand=29% Liquid Limit=27 Plasticity Index=7
54			2484	21 34 13 21	15	18/18 100%		
60	Grades lense of volcanic ash		2478	11 76 26 50/ 3"	16	15/15 100%	76	
66	Grades trace sand		2472	8 71 28 43	18	18/18 100%	71	Slow and rough drilling from 65 to 70 feet
72	Grades brown to reddish brown Boring terminated at 71.5 feet Groundwater observed at 21.0 feet during drilling		2466.7	10 54 25 29	19	18/18 100%	54	
78								
84								
		DOWL 222 N 32nd St Suite 700 Billings, Montana 59101 Telephone: (406) 656-6399 www.dowl.com		STARTED 6/09/2021		FINISHED 6/09/2021		
				DRILL CO. AET		DRILL RIG CME 55 LC		
				DRILLER Evan S.		Hammer Auto		
				LOGGED BY Westin H.		APPROVED BY D. Russell		

MAY 06 2026

Project No.: 4026.21890.01

LOG OF BOREHOLE B-6

OFFICE OF
WATER

Sheet 1 of 1

CLIENT

Bureau of Indian Affairs (BIA)

PROJECT

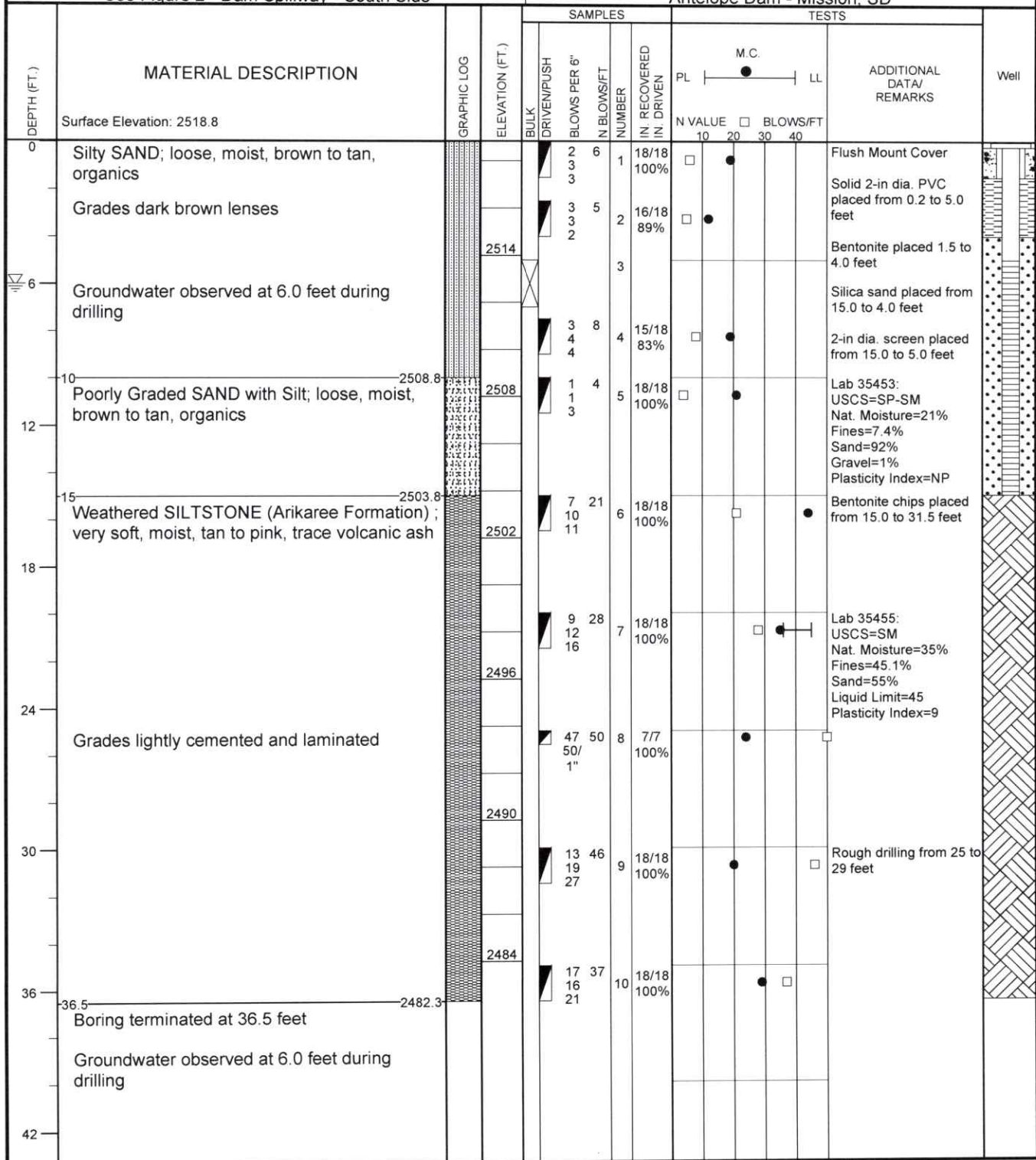
Antelope Dam - Design Modifications

BORING LOCATION

See Figure 2 - Dam Spillway - South Side

SITE

Antelope Dam - Mission, SD



DOWL
222 N 32nd St Suite 700
Billings, Montana 59101
Telephone: (406) 656-6399
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STARTED	6/10/2021	FINISHED	6/10/2021
DRILL CO.	AET	DRILL RIG	CME 55 LC
DRILLER	Evan S.	Hammer	Auto
LOGGED BY	Westin H.	APPROVED BY	D. Russell