FILING FOR WATER IN THE STATE OF UTAH

Received By: MSCD#143956

Fee Amount: $850.00 SM

APPLICATION TO APPROPRIATE WATER

Receipt: #25-02486

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3, Utah Code Annotated 1953, as amended.

Water Right:

(Document created on May 20, 2025 by LHAHNE)

Water Right Number: 71-5995

(00-6759, LHAHNE)

Owners:

Name: Escalante Desert Resources, LLC and FEC E&P Management, LLC

Address: 910 Louisiana Street, Suite 4400

Houston, Texas, 77002

Interest: 100%

Remarks:

Dates:

Filed: 05/21/2025

Priority: 05/21/2025

General:

RECEIVED

MAY 21 2025 SM

WATER RIGHTS SALT LAKE

Quantity of Water: 9490 ACFT

Source: Underground Water Well

County: Beaver

Common Description: 9.0 mi NE of Milford, UT

Land Owned by Appl.: No

County Tax Id#: -

Points of Diversion:

Points of Diversion - Underground:

(1) N 940 ft. W 497 ft. from S4 corner, Sec 18 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333601.151, 4268095.283 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; WahWah WW-2

(2) N 1440 ft. W 195 ft. from S4 corner, Sec 18 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333693.201, 4268247.683 (NAD83)
Source/Cmnt: Underground Water Well; Phase III, WahWah WW-1

(3) S 1175 ft. W 209 ft. from N4 corner, Sec 19 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333688.934, 4267450.631 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Granddaddy WW-1

(4) N 25 ft. E 2551 ft. from W4 corner, Sec 19 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333694.152, 4267031.871 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Loafer WW-1

(5) N 2219 ft. W 367 ft. from S4 corner, Sec 19 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333601.148, 4266879.601 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Loafer WW-2

Points of Diversion - Underground:

(6) S 1675 ft. W 511 ft. from N4 corner, Sec 19 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333596.884, 4267298.231 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Granddaddy WW-2

(7) N 164 ft. W 355 ft. from S4 corner, Sec 19 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333604.806, 4266253.237 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Sunset WW-2

(8) N 664 ft. W 53 ft. from S4 corner, Sec 19 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333696.856, 4266405.637 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Sunset WW-1

(9) S 1330 ft. E 535 ft. from N4 corner, Sec 30 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333876.078, 4265797.866 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Harkley WW-1

(10) S 1830 ft. E 233 ft. from N4 corner, Sec 30 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333784.028, 4265645.466 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Harkley WW-2

(11) N 1917 ft. E 613 ft. from S4 corner, Sec 30 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333870.365, 4265185.167 (NAD83)
Source/Cmnt: Underground Water Well; Phase II, Kings WW-1

(12) N 1417 ft. E 308 ft. from S4 corner, Sec 30 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333777.401, 4265032.767 (NAD83)
Source/Cmnt: Underground Water Well; Phase II, Kings WW-2

(13) S 903 ft. E 479 ft. from NW corner, Sec 31 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 333009.16, 4264341.659 (NAD83)
Source/Cmnt: Underground Water Well, Phase 1, Bearskin WW2

(14) S 1180 ft. E 143 ft. from W4 corner, Sec 31 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332888.719, 4263454.512 (NAD83)
Source/Cmnt: Underground Water Well, Phase 1, Gold WW1

(15) S 1315 ft. E 193 ft. from NW corner, Sec 31 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332921.987, 4264216.081 (NAD83)
Source/Cmnt: Underground Water Well, Phase 1, Bearskin WW1

(16) S 711 ft. E 431 ft. from W4 corner, Sec 31 T 26S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332976.502, 4263597.463 (NAD83)
Source/Cmnt: Underground Water Well, Phase 1, Gold WW2

(17) S 1250 ft. W 521 ft. from E4 corner, Sec 14 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331202.247, 4268330.803 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Superior WW-2

Points of Diversion - Underground:

(18) S 754 ft. W 219 ft. from E4 corner, Sec 14 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331294.297, 4268481.984 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Superior WW-1

(19) S 682 ft. W 137 ft. from NE corner, Sec 23 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331298.766, 4267703.787 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Wolverine WW-2

(20) S 1182 ft. W 439 ft. from NE corner, Sec 23 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331206.717, 4267551.387 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Wolverine WW-1

(21) N 858 ft. W 417 ft. from SE corner, Sec 23 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331168.715, 4266571.704 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Hidden WW-1

(22) S 1269 ft. W 188 ft. from E4 corner, Sec 23 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331260.868, 4266724.132 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Hidden WW-2

(23) N 400 ft. W 121 ft. from SE corner, Sec 23 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331258.936, 4266432.106 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Nebo WW-2

(24) S 100 ft. W 423 ft. from NE corner, Sec 26 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331166.887, 4266279.706 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Nebo WW-1

(25) N 803 ft. W 367 ft. from E4 corner, Sec 26 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331163.836, 4265730.388 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Olympus WW-1

(26) N 1303 ft. W 64 ft. from E4 corner, Sec 26 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331256.191, 4265882.788 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Olympus WW-2

(27) N 270 ft. W 320 ft. from SE corner, Sec 26 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331158.043, 4264743.377 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; SawTooth WW-1

(28) N 770 ft. W 18 ft. from SE corner, Sec 26 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331250.093, 4264895.777 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; SawTooth WW-2

(29) N 1055 ft. W 755 ft. from E4 corner, Sec 35 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331008.231, 4264174.678 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Pfeifferhorn WW2

Points of Diversion - Underground:

(30) N 555 ft. W 1060 ft. from E4 corner, Sec 35 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 330915.267, 4264022.278 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Pfeifferhorn WW1

(31) S 1167 ft. E 123 ft. from W4 corner, Sec 36 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331275.845, 4263497.412 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Strawberry WW-1

(32) S 667 ft. E 425 ft. from W4 corner, Sec 36 T 26S R 10W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 331367.895, 4263649.812 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Strawberry WW-2

(33) S 79 ft. W 878 ft. from E4 corner, Sec 5 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 335801.222, 4262061.147 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Raymond WW-1

(34) S 575 ft. W 1183 ft. from E4 corner, Sec 5 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 335708.258, 4261909.966 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Raymond WW-2

(35) S 1194 ft. W 1203 ft. from NE corner, Sec 5 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 335716.676, 4262572.491 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Abajo WW-2

(36) S 697 ft. W 902 ft. from NE corner, Sec 5 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 335808.42, 4262723.976 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Abajo WW-1

(37) N 497 ft. E 389 ft. from SW corner, Sec 6 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332917.171, 4261458.075 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Granite WW-1

(38) S 3 ft. E 86 ft. from SW corner, Sec 6 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332824.817, 4261305.675 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Granite WW-2

(39) S 571 ft. E 423 ft. from NW corner, Sec 6 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332956.034, 4262837.417 (NAD83)
Source/Cmnt: Underground Water Well, Phase 1, Frisco WW2

(40) N 605 ft. E 440 ft. from W4 corner, Sec 6 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332946.966, 4262343.428 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Belknap WW-1

(41) N 101 ft. E 137 ft. from W4 corner, Sec 6 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332854.612, 4262189.809 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Belknap WW-2

Points of Diversion - Underground:

(42) S 1000 ft. E 160 ft. from NW corner, Sec 6 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332875.872, 4262706.658 (NAD83)
Source/Cmnt: Underground Water Well, Phase 1, Frisco WW1

(43) S 1270 ft. E 406 ft. from NW corner, Sec 7 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332922.353, 4260919.493 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Winkler WW-1

(44) N 876 ft. E 162 ft. from W4 corner, Sec 7 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 332830.466, 4260768.195 (NAD83)
Source/Cmnt: Underground Water Well; Phase II; Winkler WW-2

(45) S 266 ft. E 510 ft. from NW corner, Sec 8 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 334600.166, 4261186.712 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Signal WW-1

(46) S 766 ft. E 207 ft. from NW corner, Sec 8 T 27S R 9W SLBM
Well Diameter: 20 in. Depth: 1000 to 3000 Year Drilled: Well Log: No Well Id#:
Elevation: UTM: 334507.812, 4261034.312 (NAD83)
Source/Cmnt: Underground Water Well; Phase III; Signal WW-2

Water Uses:

Water Uses - Group Number: 895923

Water Use Types:

Power: Cape Geothermal Power Plant, rated at 2000 MW. Period of Use: 01/01 to 12/31

CFS Contributed by this Right for this Use: 0

Comments: Acre-Feet Contributed by this Right for this Use: 9490.

Place of Use (which includes all or part of the following legal subdivisions):

	North West				North East				South West				South East				Section
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	Totals
Sec 7 T 26S R 9W SLBM					X	X	X	X		X		X					
Sec 7 T 26S R 9W SLBM	Lot 3																
Sec 7 T 26S R 9W SLBM	Lot 4																
Sec 8 T 26S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 9 T 26S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 16 T 26S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 17 T 26S R 9W SLBM	X	X	X	X					X	X	X	X					
Sec 17 T 26S R 9W SLBM					X	X	X	X					X	X	X	X	
Sec 18 T 26S R 9W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 18 T 26S R 9W SLBM	Lot 1																
Sec 18 T 26S R 9W SLBM	Lot 2																
Sec 18 T 26S R 9W SLBM	Lot 3																
Sec 18 T 26S R 9W SLBM	Lot 4																
Sec 19 T 26S R 9W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 19 T 26S R 9W SLBM	Lot 1																
Sec 19 T 26S R 9W SLBM	Lot 2																
Sec 19 T 26S R 9W SLBM	Lot 3																
Sec 19 T 26S R 9W SLBM	Lot 4																

	North West				North East				South West				South East				Section
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	Totals
Sec 20 T 26S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 21 T 26S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 29 T 26S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 30 T 26S R 9W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 30 T 26S R 9W SLBM	Lot 1																
Sec 30 T 26S R 9W SLBM	Lot 2																
Sec 30 T 26S R 9W SLBM	Lot 3																
Sec 30 T 26S R 9W SLBM	Lot 4																
Sec 31 T 26S R 9W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 31 T 26S R 9W SLBM	Lot 1																
Sec 31 T 26S R 9W SLBM	Lot 2																
Sec 31 T 26S R 9W SLBM	Lot 3																
Sec 31 T 26S R 9W SLBM	Lot 4																
Sec 32 T 26S R 9W SLBM	X	X		X													
Sec 12 T 26S R 10W SLBM	X	X	X	X	X		X										
Sec 12 T 26S R 10W SLBM	Lot 1																
Sec 12 T 26S R 10W SLBM	Lot 2																
Sec 13 T 26S R 10W SLBM	X	X	X	X	X		X		X	X	X	X	X		X		
Sec 13 T 26S R 10W SLBM	Lot 1																
Sec 13 T 26S R 10W SLBM	Lot 2																
Sec 13 T 26S R 10W SLBM	Lot 3																
Sec 13 T 26S R 10W SLBM	Lot 4																
Sec 14 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 15 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 21 T 26S R 10W SLBM													X	X	X	X	
Sec 22 T 26S R 10W SLBM									X	X	X	X	X	X	X	X	
Sec 23 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 24 T 26S R 10W SLBM	X	X	X	X	X		X		X	X	X	X	X		X		
Sec 24 T 26S R 10W SLBM	Lot 1																
Sec 24 T 26S R 10W SLBM	Lot 2																
Sec 24 T 26S R 10W SLBM	Lot 3																
Sec 24 T 26S R 10W SLBM	Lot 4																
Sec 25 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 26 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 27 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 33 T 26S R 10W SLBM					X	X	X	X					X	X	X	X	
Sec 34 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 35 T 26S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 36 T 26S R 10W SLBM									X	X	X	X	X	X	X	X	
Sec 5 T 27S R 9W SLBM			X	X			X	X	X	X	X	X	X	X	X	X	
Sec 5 T 27S R 9W SLBM	Lot 1																
Sec 5 T 27S R 9W SLBM	Lot 2																
Sec 5 T 27S R 9W SLBM	Lot 3																
Sec 5 T 27S R 9W SLBM	Lot 4																
Sec 6 T 27S R 9W SLBM				X			X	X		X		X	X	X	X	X	

	North West				North East				South West				South East				Section
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	Totals
Sec 6 T 27S R 9W SLBM	Lot 1																
Sec 6 T 27S R 9W SLBM	Lot 2																
Sec 6 T 27S R 9W SLBM	Lot 4																
Sec 6 T 27S R 9W SLBM	Lot 5																
Sec 6 T 27S R 9W SLBM	Lot 6																
Sec 6 T 27S R 9W SLBM	Lot 7																
Sec 7 T 27S R 9W SLBM		X		X	X	X	X	X									
Sec 7 T 27S R 9W SLBM	Lot 1																
Sec 7 T 27S R 9W SLBM	Lot 2																
Sec 8 T 27S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 17 T 27S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 18 T 27S R 9W SLBM		X		X	X	X	X	X									
Sec 18 T 27S R 9W SLBM	Lot 1																
Sec 18 T 27S R 9W SLBM	Lot 2																
Sec 19 T 27S R 9W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 19 T 27S R 9W SLBM	Lot 1																
Sec 19 T 27S R 9W SLBM	Lot 2																
Sec 19 T 27S R 9W SLBM	Lot 3																
Sec 19 T 27S R 9W SLBM	Lot 4																
Sec 20 T 27S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 29 T 27S R 9W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 30 T 27S R 9W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 30 T 27S R 9W SLBM	Lot 1																
Sec 30 T 27S R 9W SLBM	Lot 2																
Sec 30 T 27S R 9W SLBM	Lot 3																
Sec 30 T 27S R 9W SLBM	Lot 4																
Sec 1 T 27S R 10W SLBM								X	X	X	X	X	X	X	X	X	
Sec 2 T 27S R 10W SLBM			X	X			X	X	X	X	X	X	X	X	X	X	
Sec 2 T 27S R 10W SLBM	Lot 1																
Sec 2 T 27S R 10W SLBM	Lot 2																
Sec 2 T 27S R 10W SLBM	Lot 3																
Sec 2 T 27S R 10W SLBM	Lot 4																
Sec 3 T 27S R 10W SLBM			X	X			X		X	X							
Sec 3 T 27S R 10W SLBM	Lot 1																
Sec 3 T 27S R 10W SLBM	Lot 10																
Sec 3 T 27S R 10W SLBM	Lot 11																
Sec 3 T 27S R 10W SLBM	Lot 2																
Sec 3 T 27S R 10W SLBM	Lot 3																
Sec 3 T 27S R 10W SLBM	Lot 4																
Sec 3 T 27S R 10W SLBM	Lot 5																
Sec 3 T 27S R 10W SLBM	Lot 6																
Sec 3 T 27S R 10W SLBM	Lot 7																
Sec 3 T 27S R 10W SLBM	Lot 8																
Sec 3 T 27S R 10W SLBM	Lot 9																
Sec 10 T 27S R 10W SLBM										X		X	X	X	X	X	

	North West				North East				South West				South East				Section
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	Totals
Sec 10 T 27S R 10W SLBM	Lot 3																
Sec 10 T 27S R 10W SLBM	Lot 4																
Sec 11 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 12 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 13 T 27S R 10W SLBM									X	X	X	X	X	X	X	X	
Sec 14 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 15 T 27S R 10W SLBM										X		X	X	X	X	X	
Sec 15 T 27S R 10W SLBM	Lot 3																
Sec 15 T 27S R 10W SLBM	Lot 4																
Sec 21 T 27S R 10W SLBM					X	X	X	X					X	X	X	X	
Sec 22 T 27S R 10W SLBM		X		X	X	X	X	X		X		X	X	X	X	X	
Sec 22 T 27S R 10W SLBM	Lot 1																
Sec 22 T 27S R 10W SLBM	Lot 2																
Sec 22 T 27S R 10W SLBM	Lot 3																
Sec 22 T 27S R 10W SLBM	Lot 4																
Sec 23 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 24 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 25 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 26 T 27S R 10W SLBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sec 27 T 27S R 10W SLBM		X		X	X	X	X	X				X			X	X	
Sec 27 T 27S R 10W SLBM	Lot 1																
Sec 27 T 27S R 10W SLBM	Lot 2																
Sec 27 T 27S R 10W SLBM	Lot 4																
Sec 28 T 27S R 10W SLBM					X	X	X	X					X	X	X	X	
													Group Acreage Total :				

Use Totals:

Power sole-supply total: 0 cfs

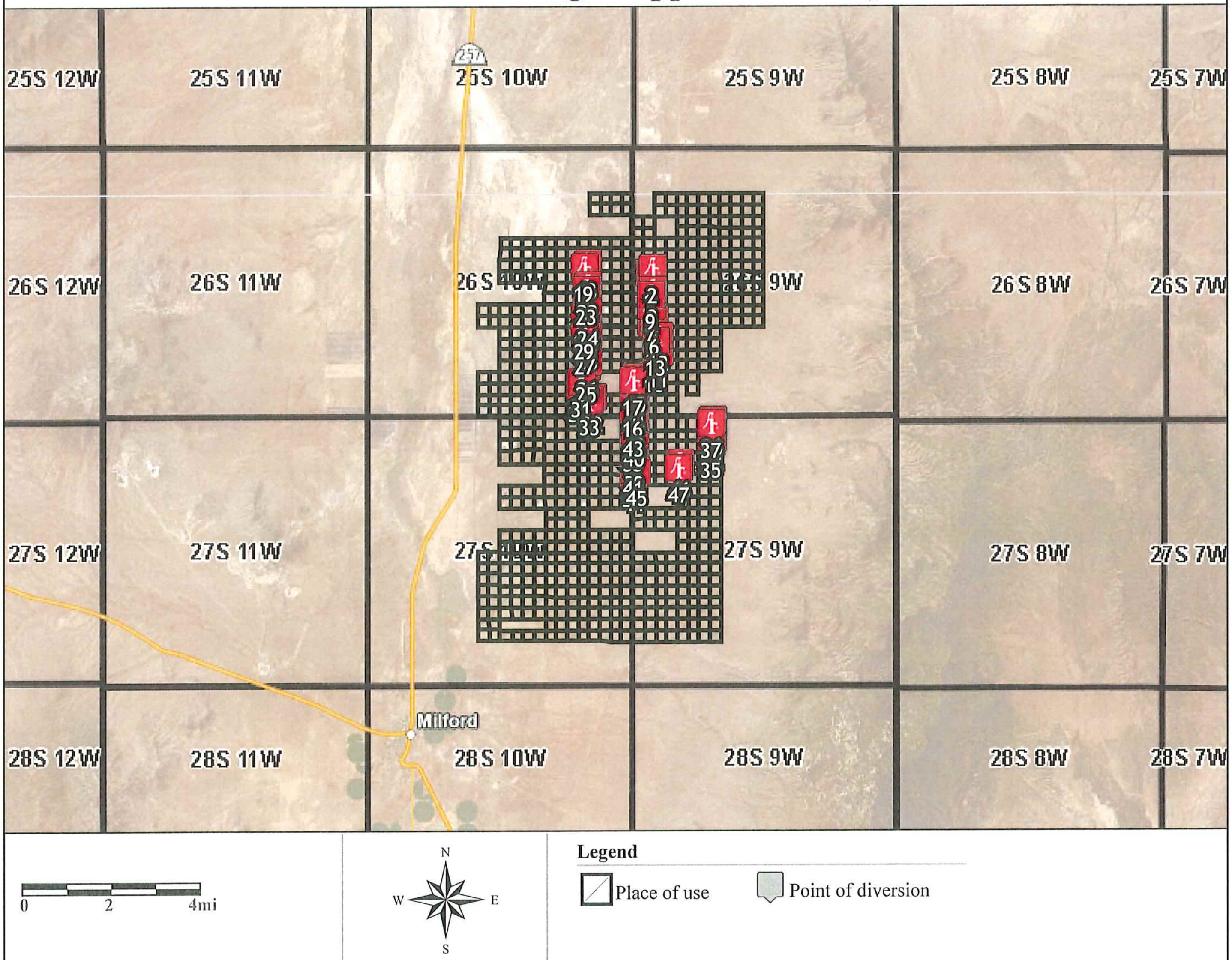
Signature of Applicant:

The applicant hereby acknowledges that he/she is a citizen of the United States of America or intends to become such a citizen. The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, including any maps and other documents attached, at the time of filing, rests with the applicant.

C.B.R.

Escalante Desert Resources, LLC and FEC E&P Management, LLC

Utah Water Right Application Map



(1) N 940 ft, W 497 ft, from S4 cor, Sec 18, T 26S, R 9W, SL B&M (UTM-83: 333601.2, 4268095.3)
(2) N 1440 ft, W 195 ft, from S4 cor, Sec 18, T 26S, R 9W, SL B&M (UTM-83: 333693.2, 4268247.7)
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(46) S 266 ft, E 510 ft, from NW cor, Sec 08, T 27S, R 9W, SL B&M (UTM-83: 334600.2, 4261186.7)
(47) S 766 ft, E 207 ft, from NW cor, Sec 08, T 27S, R 9W, SL B&M (UTM-83: 334507.8, 4261034.3)

I/we Charles Brandon Law, hereby acknowledge that this map was prepared in support of Application 00-6759. I/we hereby submit this map as a true representation of the facts shown thereon to the best of my/our knowledge and belief.

05/20/2025

Narrative - Application to Appropriate Water, State of Utah
Escalante Desert Resources LLC and FEC E&P Management LLC
Cape Geothermal Power Project, Beaver County

Explanatory

Since 2023, the applicant (associated entities of Fervo Energy, hereafter 'Fervo') has conducted an exploration campaign at the Cape Geothermal Power Project (see Figure 1), drilling a number of geothermal wells deep into hot subsurface rock over 400°F to determine if it can be harnessed to produce clean, always-on electricity. These wells have proven that the subsurface heat at Cape is capable of producing up to 2 Gigawatts (2,000 Megawatts) of electrical power using Fervo's patented Enhanced Geothermal System (EGS) technology, which if realized, would place it among the largest geothermal power facilities in the world. To produce this electricity, the subsurface heat must be transported to the surface with water. Fervo proposes to accomplish this by sustainably cycling water under the permanent non-consumptive appropriation here described.

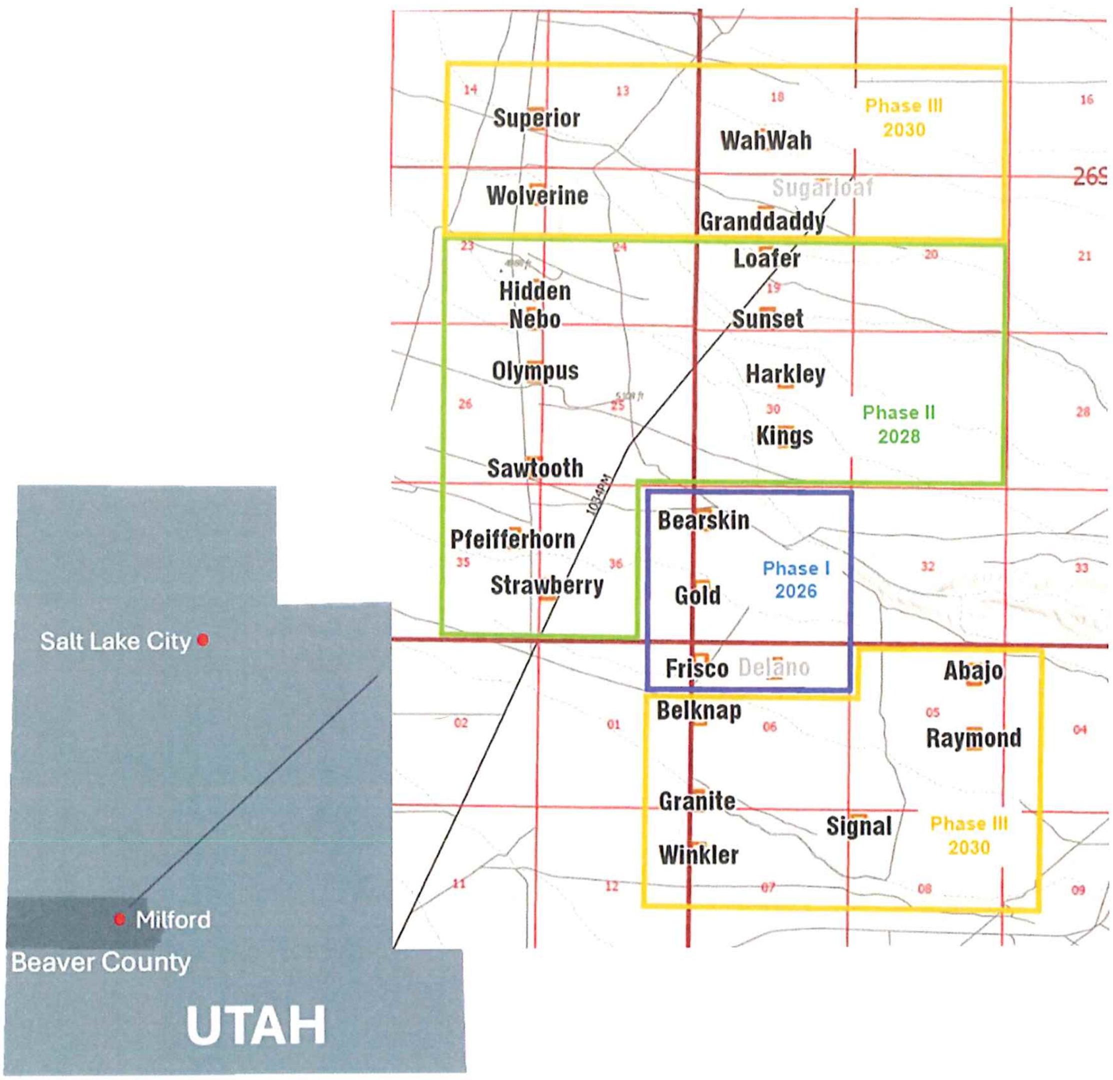

Figure 1: General location and future proposed well pad layout of the Cape Geothermal Power Project in northeast Beaver County, approximately 9 miles northeast of the town center of Milford – wells would be drilled and activated over multiple development phases shown here (well pads have been named after peaks of Utah).

The Cape Geothermal Power Project is located within the Black Rock district of the Utah DNR Division of Water Right's Escalante Valley Water Management Area (Area No. 71). The underground hydrology in the Cape Project area contains a groundwater aquifer that can be described in three sections, the shallowest section being groundwater within fill sediments near the surface (here called the 'Shallow Aquifer', generally less than ~1,000 ft in depth). Below the Shallow Aquifer is an intermediate clay layer which extends across much of the surrounding valley; this clay layer appears to be thickest in the center of the valley below the Beaver River (where it is several hundred feet thick) and pinches out near the eastern and western mountain ranges. Beneath the clay layer are additional fill sediments and volcanics also saturated with groundwater, overlying a granitic hard rock 'basement' (here called the 'Deep Aquifer'). Water sourced from the Deep Aquifer is expected to be hotter and non-potably brackish (in excess of 100+°F and total dissolved solids (TDS) in the range of 4,000 to 6,000+ mg/L), suggesting it's a geothermal resource water as opposed to fresh groundwater.

All identified neighboring water wells appear to be sourcing water exclusively from the Shallow Aquifer. This includes all water used at the Cape Project to-date for drilling, stimulating, and flow-testing exploration geothermal wells, supplied with leased water rights as-described in the 'Supplemental Water Rights' section. The non-consumptive application here described is intended to fill the next phase of water use for the Cape project, when currently 'non-production' exploration wells are converted to Class V Injection Wells under an Underground Injection Control (UIC) permit, allowing for generation of geothermal electric power.

During power generation (see the 'Purpose and Extent of Use' section for more details), Fervo's EGS system will allow heat to be extracted from the granitic basement, also called the 'hot rock' reservoir. Cool water is pumped underground through 'Injection Wells', which heats up while flowing through fractures in the subsurface reservoir and is recovered from 'Production Wells'. The hot water is then piped to binary power plants where the heat is transferred via heat exchangers to a secondary working fluid for power generation. Both the cycled water and secondary working fluid are in separate systems, allowing all water brought to the surface in Production Wells to be piped back to Injection Wells and returned underground once the heat is extracted, repeating the cycle.

The approach outlined above creates a system that is entirely closed-loop above ground, eliminating any evaporative or other surface losses under conventional power generation operations. The only water volume which is not regularly recaptured and recycled from this system would be that water volume which is re-absorbed underground through natural fractures in the hot rock reservoir, also known as the 'leak-off'. Based on flow testing, leak-off volumes into the reservoir will be at their greatest immediately following when a development phase is first activated, called 'start-up'. During start-up, a portion of water pumped underground through Injection Wells will be forced at high pressure into the surrounding reservoir, essentially 'saturating' the reservoir while the system equalizes. Within the first months following start-up of each development phase, leak-off rates are predicted to rapidly drop to a sustainably minor amount, with the vast majority of injected water recovered from Production Wells and recycled underground as designed. The leak-off rates are also predicted to continually diminish over time during the years following start-up, as the reservoir is fully pressurized and developed.

To replenish any leak-off water returned to the reservoir, a number of 'Secondary Source Wells' will be used. These wells will be drilled into and source water exclusively from the Deep Aquifer, below ~1,000 feet in depth; sections of the Secondary Source Wells within the Shallow Aquifer will be fully-cased and sealed, preventing any direct draw from the aquifer used by neighboring wells. All sourced deep water, called 'makeup' water, will be diverted to Injection wells and pumped underground - effectively, this means that all water sourced and cycled during power generation would be returned to the reservoir of origin, with no surface losses and no consumptive losses of groundwater. By isolating water sourcing & cycling exclusively to the Deep Aquifer and by returning all water underground with no surface losses, no significant detrimental impacts to surrounding wells are expected. See Figure 2 for a diagram describing the underground hydrology, wells, and proposed water cycle.

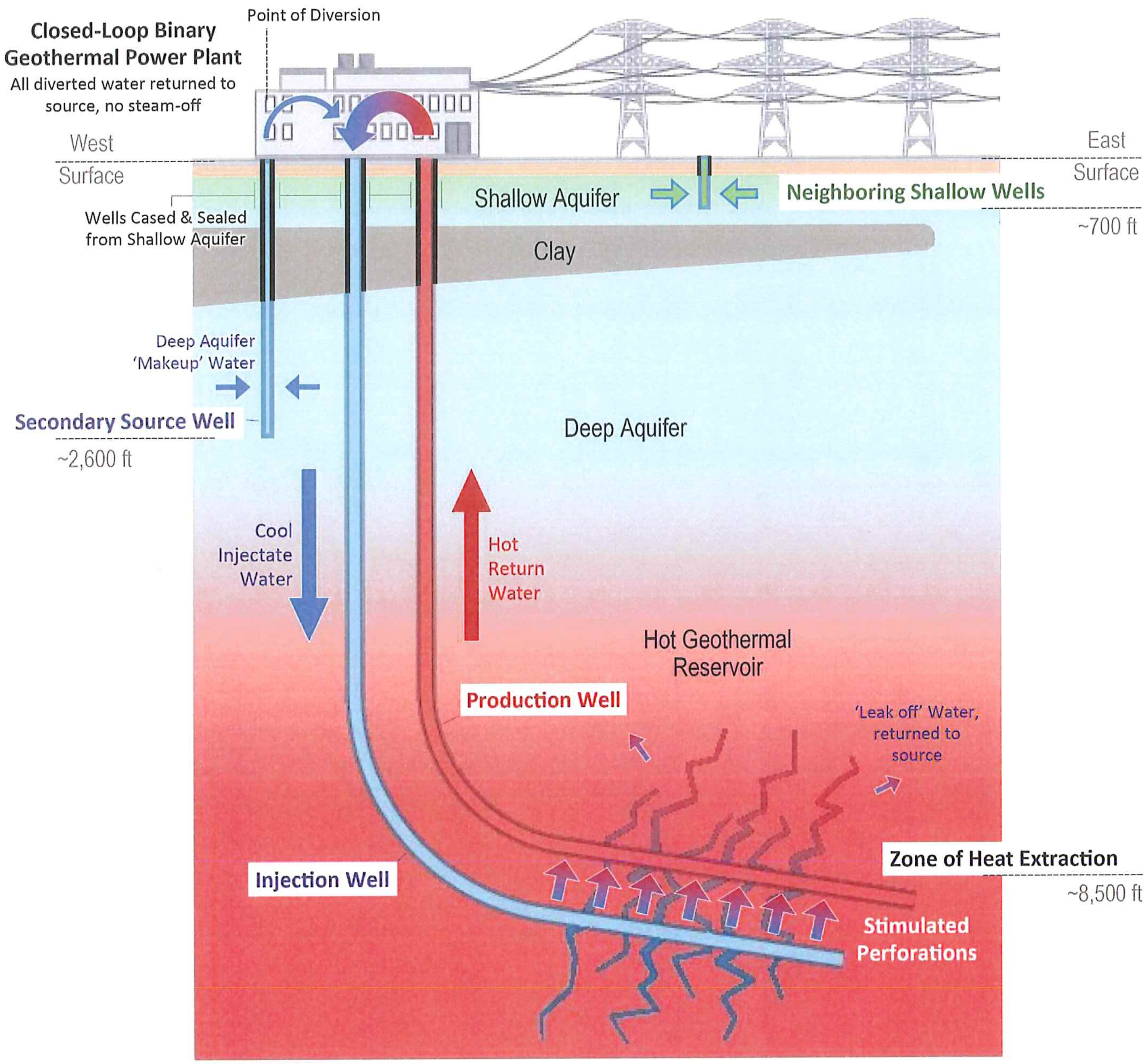

Figure 2: General subsurface hydrologic conditions, proposed wells, and water cycle of the Cape Geothermal Power Project.

In addition, the full volume of water under application will not be immediately required; multiple phases of development are planned, with the first and smallest phase beginning in 2026 ('Phase I'). Phase I will require a fraction of the total water proposed and will allow the water cycling system to be fully evaluated prior to the start of larger phases in 2028 and future years. The water volume requested in the 'Quantity of Water' section of the attached application form is the anticipated maximum volume required from Secondary Source Wells during start-up of 'Phase III', when the Cape Geothermal Power Project has been fully developed – see Table 1 for details.

Years	Operating Phase	Estimated Water Diverted from Secondary Source Wells & Re-Injected Annually	Water Use Description
1	Phase I Startup	3,900 Acre Ft	Peak Ph I draw; short-term saturation of geothermal reservoir during start-up before dropping to minor background rates; monitor and evaluate shallow groundwater impacts
2	Phase I Cycling	1,640 Acre Ft	Ph I reservoir saturated; maximum expected makeup water required during Ph I cycling; monitor and evaluate shallow groundwater impacts, adjust if necessary
3	Phase II Startup, Phase I Cycling	7,330 Acre Ft	Peak Ph II draw; short-term saturation of geothermal reservoir during start-up before dropping to minor background rates; monitor shallow groundwater impacts
4	Phase I & II Cycling	2,450 Acre Ft	Ph I & II reservoir saturated; maximum expected makeup water required during Ph I & II cycling; monitor and evaluate shallow groundwater impacts, adjust if necessary
5	Phase III Startup, Phase I & II Cycling	9,490 Acre Ft	Peak Ph III and Peak Draw for All Phases; short-term saturation of geothermal reservoir during start-up before dropping to minor background rates; monitor shallow groundwater impacts
6	All Phases Cycling	3,220 Acre Ft	Reservoir fully saturated; maximum expected makeup water required during all-phase cycling; monitor and evaluate shallow groundwater impacts, adjust if necessary
7	All Phases Cycling	3,060 Acre Ft	Reservoir fully saturated; diminishing makeup water required during all-phase cycling; monitor shallow groundwater
8	All Phases Cycling	2,950 Acre Ft	
9	All Phases Cycling	2,870 Acre Ft	
10	All Phases Cycling	2,790 Acre Ft	
11+	All Phases Cycling	< 2,720 Acre Ft	

Table 1: Predicted Cape Project makeup water by year and description of water use. Volumes shown are estimated; volumes below the maximum diversion ('Phase III Startup') may be adjusted as appropriate if the state engineer sees fit.

For the reasons previously described (isolating water sourcing & cycling exclusively to the Deep Aquifer, returning all water underground with no surface losses, and minimizing annual makeup water draw rates during non-start-up years), no significant detrimental impacts to surrounding wells are expected. However, to ensure that is the case, Fervo proposes to monitor several existing wells in the area surrounding the Project. In partnership with the Utah Geological Survey, potential wells have been identified (see Figure 3), and a comprehensive ongoing groundwater monitoring plan will be implemented prior to Phase I startup.

As the predicted peak flow rates during Phase I start-up are significantly less than the maximum predicted flow rates during start-ups in later phases (see Table 1), this monitoring program will allow any potential impacts to be well understood during the period of exclusively lower-demand Phase I operations, and allow any required adjustments or mitigations to be implemented prior to start-up of future phases.

While unlikely, if monitoring during Phase I and/or subsequent phases show sustained detrimental impact to surrounding wells in violation of state statute, a number of possible adjustments can be made to mitigate such impacts; any actual mitigation action taken will be dependent on the sustained impact observed (not including regular annual declining water depths during irrigation seasons). These mitigation options may include, but are not limited to:

- Adjusting pumping rates for individual wells;
- Relocating Secondary Source Wells for improved isolation within the Deep Aquifer;
- Drilling additional Production Wells to limit leak-off / improve subsurface water capture;

Fervo's proposed recycling, recharging system of water use allows ongoing water replenishment for the Cape Geothermal Power Project to be classified as non-consumptive under this permanent appropriation, of the type described in 'Policy IV' of the Utah DNR Division of Water Right's published guidance for the Black Rock district.

Purpose and Extent of Use

Sites will be selected near well pads to construct so-called 'binary' geothermal power plants, using Organic Rankine Cycle power generation technology (see Figure 4). During electricity generation, hot return water would be cycled from Production Wells to the power plants via pipelines, where heat exchangers would extract the heat and transfer it to a secondary, low boiling point working fluid to turn turbines and generate electricity. The now-cooled water would then be returned via pipeline to Injection Wells and cycled back underground. Both the cycled water and secondary working fluid would be in separate, closed-loop systems, allowing all water to be returned underground with no steam or other surface losses. Additionally, power plants will employ 'dry' cooling technology, using only air to cool a plant's working fluid rather than water.

Figure 4: Flow diagram & photo of example ORC (Organic Rankine Cycle) geothermal power plant, of the type under construction at the Cape Geothermal Power Project; dry cooling units shown emit no steam.

Surface exposure of any groundwater sourced for power production purposes will be short-term and only occur infrequently, i.e. brief discharges to sump areas during the first hours of system start-up, emergency release scenarios, system maintenance, and/or pressurization relief events. Any such intermittent surface releases will be temporary measured events, and all surface release volumes will be accounted for with leased water rights under approved change-of-use, as-described in the 'Supplemental Water Rights' section.

Points of Diversion

A number of possible locations for points of diversion within the Cape Geothermal Power Project area are proposed: these 'Secondary Source Wells' will draw from depths greater than 1,000 ft, and will be used to compensate for water which returns to the underground source by naturally permeating into the subsurface reservoir during power generation operations, as described in the 'Explanatory' section. The water volume requested in the 'Quantity of Water' section of the attached application form is the anticipated highest total volume diverted and re-injected from these Secondary Source Wells during start-up of Phase III, when the Cape Geothermal Power Project has been fully developed. Secondary Source Wells will be drilled in sequence as the geothermal resource is developed.

- Technical support from Fervo's trained well drillers/operators to neighboring well operators;
- Compensation, renovations, replacements, or relocations of existing neighboring wells, or;
- Other reasonable mitigation efforts.

Fervo intends to generate geothermal power from the Cape Station project for decades to come and will take all reasonable measures to ensure its water use is sustainable and non-detrimental to the local groundwater system.

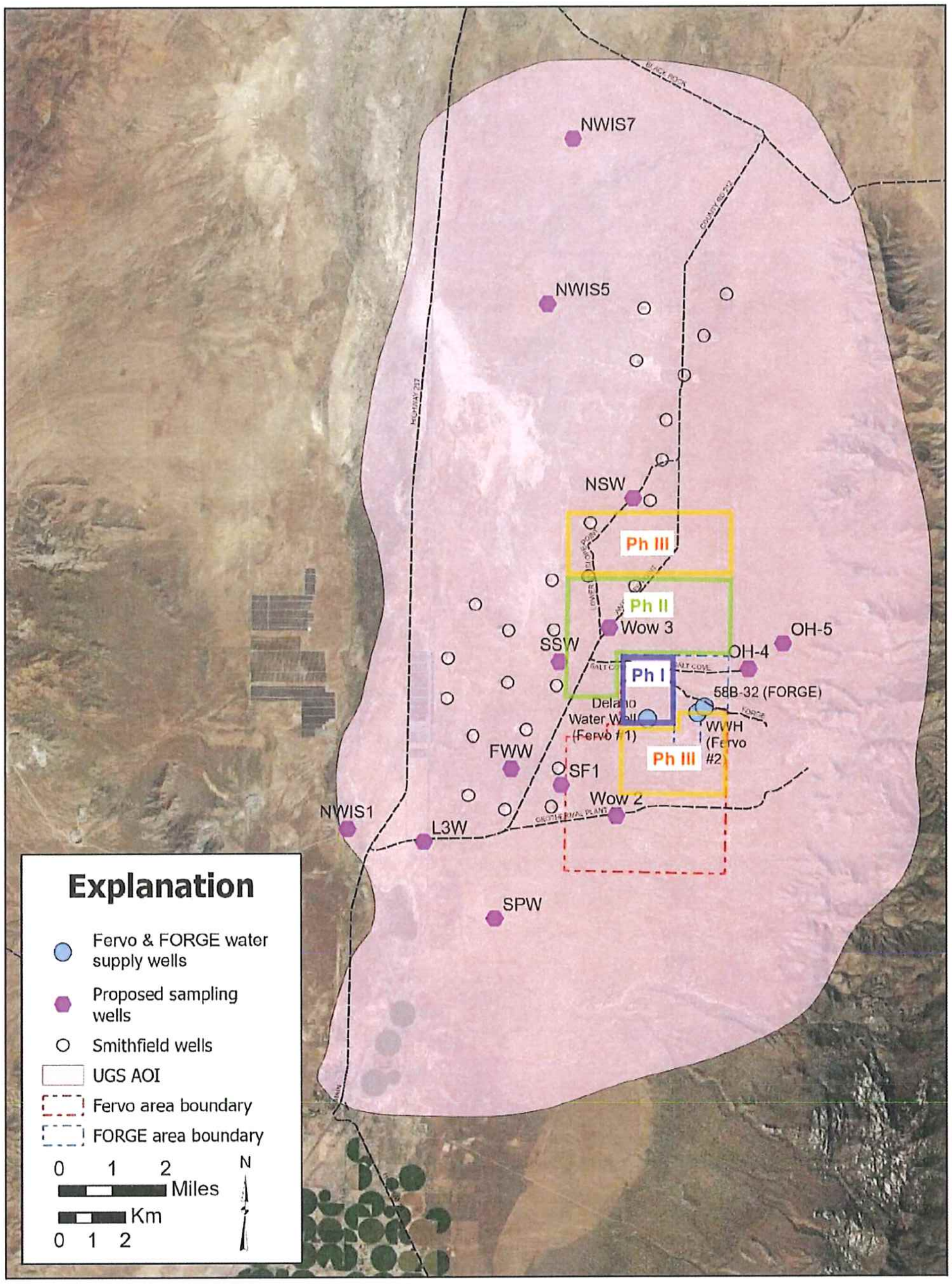

Figure 3: Location of existing wells proposed for monitoring impacts to the Shallow Aquifer (relative to the Cape Project development phase areas and original Cape geothermal exploration area in red). Additional or different monitoring wells from those shown may be used.

The center of the Phase I development area is approximately 7.5 miles north and 5.0 miles east (together, 9.0 miles northeast) of the town center of Milford, UT. The nearest proposed Point of Diversion to Milford is on the Winkler Pad (part of Phase III development), approximately 5.5 miles north and 5.0 miles east of the town center. See the 'Points of Diversion' section of the attached application for a list of possible Secondary Source Well locations – actual locations for points of diversion may be adjusted as appropriate if the state engineer sees fit.

Description of Diverting Works

Makeup water will be diverted from Secondary Source Wells to Injection Wells to be returned underground, along with cycled water from Production Wells. (Note that cycled water from Production Wells is not included in the water volume requested in the 'Quantity of Water' section of the attached application form, as all water from Production Wells will be re-injected underground and returned to its origin). Injection and Production Wells range in diameter from as large as 24 inches drilled / 20 inches cased (at surface sections) to as small as 8-3/4 inches drilled / 7 inches cased (in horizontal lateral sections) - actual lateral diameters may be larger. Production and Injection Wells also range in horizontal and vertical depth based on geology and location – those drilled to-date generally average from 7,000 feet to 10,000 feet in total vertical depth (TVD), and generally average roughly 5,000 feet in horizontal underground lateral length. Production and Injection Wells of greater depth and significantly greater lateral length (up to 7,500 feet or 10,000 feet) may be used.

Multiple Production and Injection Wells are directionally drilled in-sequence from well pads to TVD, before being drilled horizontally to their final measured depth (MD). Horizontal underground laterals are drilled in parallel, spaced several hundred feet apart, alternating Production and Injection Well types in a 'wine rack' configuration (see Figures 5 and 6). These levels of 'wine racks' may be repeated in multiple vertical benches.

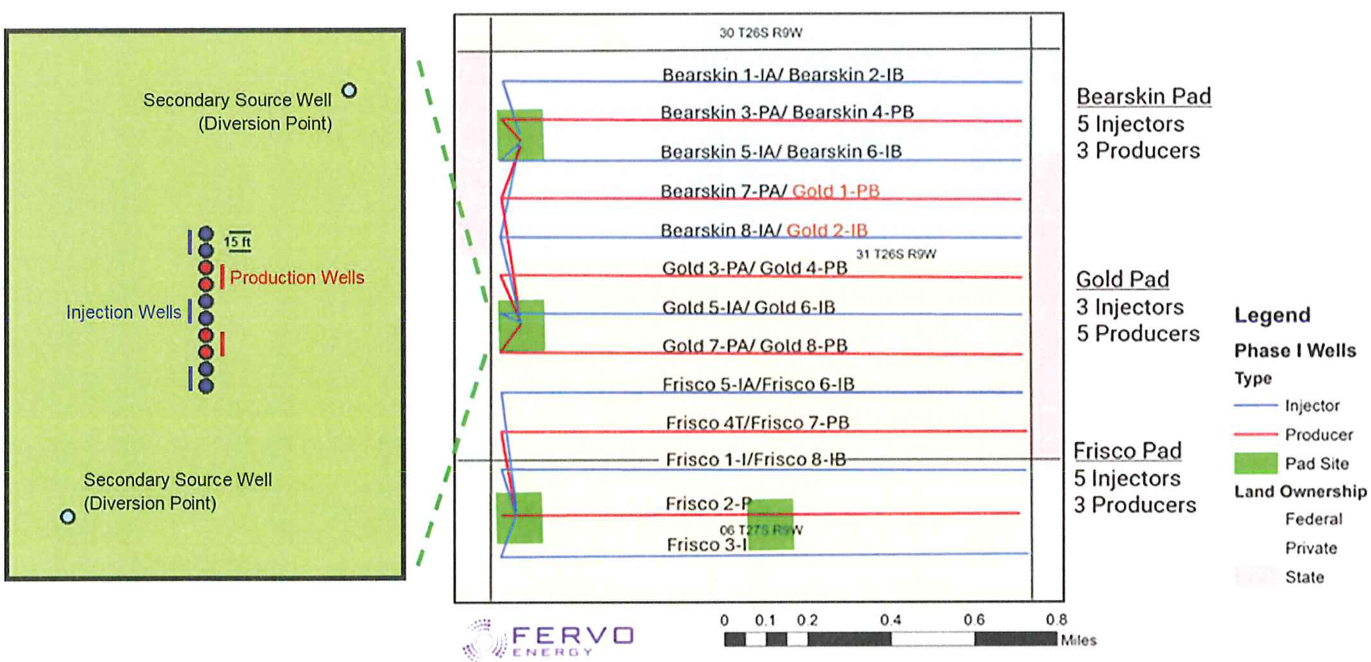

Figure 5: Cape typical well pad & wellhead detail view (left) and overall Phase I plan view (right), showing the planned layout of blue Injection Wells and red Production Wells; wells are directionally drilled in clusters from well pads.

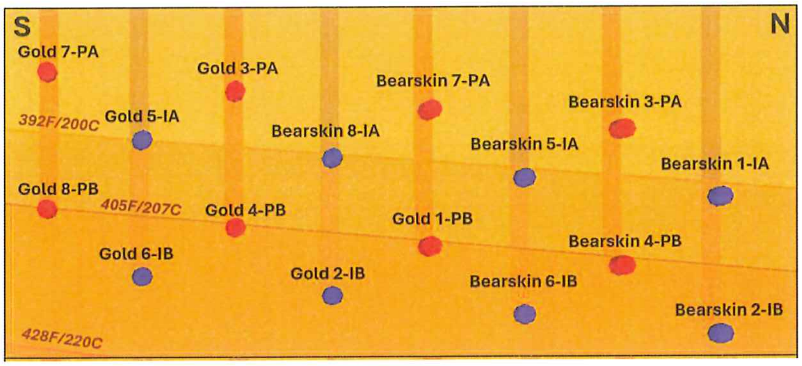

Figure 6: North / South cross-sectional view of the Phase I 'Gold' and 'Bearskin' Injection Well (blue) and Production Well (red) horizontal laterals, in a two-bench 'wine rack' configuration with modelled temperatures.

Once drilled, cased, and cemented, horizontal lateral sections of wells are stimulated in order to establish underground hydraulic communication between the well and the surrounding 'hot rock' formation. This is typically done via a series of well perforation stages along the horizontal section of each well. In each stage, a temporary plug is set, and a series of perforation holes are placed along a set length of the well. A slurry of water, sand, and fluid additives is then pumped into the holes to open fractures in the formation. This process is repeated several times along the length of the well. These fractures facilitate the harvesting of geothermal heat (as-described in the 'Purpose and Extent of Use' section) and are the basis of Fervo's patented Enhanced Geothermal System (EGS).

Supplemental Water Rights

Although not supplemental, leased water rights local to the Black Rock district of the Escalante Valley Water Management Area (Area No. 71) will continue to be used for previously approved geothermal exploration uses outlined below, as well as for dust control or other conventionally consumptive surface applications. Rights under lease by the applicant include 2,753 acre-feet of water from Mango II – Milford, LLC under Water Right Numbers 71-3222, 71-3248, 71-4272, and 71-4273, approved for a change of use to year-round geothermal well drilling, exploration, stimulation, testing, and energy extraction, under approved Temporary Change Application Number 71-3222 (t53127). Additional water rights local to the Black Rock district leased in the future may be added to these outlined uses. Such water rights would also be applied to any infrequent surface discharges during power generation, as described in the 'Purpose and Extent of Use' section.

Place of Use

See the 'Water Uses' section of the attached application for a list of leased property areas from which Production and Injection wells may be drilled – areas shown within the project footprint on the attached 'Utah Water Right Application Map' that are not currently included as Places of Use may be added as they are leased or otherwise come available for geothermal development.