



American Samoa Power Authority

P.O. Box PPB

Pago Pago, American Samoa 96799

Telephone: (684) 699-3057

Email: procurement@aspower.com

Website: www.aspower.com



ISSUANCE DATE: **March 25, 2025**

RFP NO.: **RFP NO. ASPA25.003 – Well Drilling Services**

SUBJECT: **Addendum No. 1**

The American Samoa Power Authority hereby issues Addendum No. 1 to amend Request for Proposals (RFP) requirements. This addendum is issued pursuant to the conditions of the RFP documents and is hereby made part of the RFP. The addendum serves to clarify, revise, and supersede information contained in the RFP. The Offeror must acknowledge receipt of this addendum in the appropriate space provided in the Addendum Form. Failure to do so may subject the Offeror to disqualification.

1. **The closing date has been extended as follows. Submissions received prior to the closing date and time will not be opened until the closing date listed below:**

Closing Date and Time: Friday, April 11, 2025

2. **Responses to queries received for this tender are included beginning at page 2.**

Should you have any questions or need clarification, please call me at (684) 699-3057 or procurement@aspower.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Helen Leotele Togafau".

Helen Leotele Togafau
Procurement Manager

Please sign and date below to acknowledge receiving Addendum 1. You may return this document via email at procurement@aspower.com, or the ASPA Procurement Office.

ACKNOWLEDGEMENT OF RECEIVING ADDENDUM 1

Received by _____, this _____ day of _____ 2025.

Company _____ Title _____

Fax No. _____ Email Address _____

RFP NO. ASPA25.003 - WELL DRILLING SERVICES

#	Question	Answer:
1	In regards to the requirement in the scope of works "The company must have a registered driller in the United States". Would you accept a suitably qualified contractor based in New Zealand? Drillers would have certification equivalent to United States (NZ cert 4 in drilling plus NZDF registered).	Please go ahead and apply and we will seek approval from our grantor.
2	Would the well drilling contractor be required to supply and install the permanent well pumps, riser and wellheads? If so, do you have a standard detail?	The well contractor is required to install the casings for the wells, the neat grout seal and size the pump for the well as well as any materials required for the well construction itself. The permanent pumps, riser and well heads is handled by ASPA water operations and they will install that part to connect the well to the system. For the materials needed for the well, the contractor and Engineer can work together to procure these materials.
3	Do you have a standard ASPA construction detail of the sanitary cement seal? What would be the maximum depth of this seal?	EPA requires a minimum 100ft. of cement seal. However some wells are much shallower e.g. 120 ft. total depth, so it is the call of the engineer and contractor to have less than that.
4	Is the drilling contractor required to build a concrete run-off pad at each well? If so, do you have a standard detail please?	No. The local drilling crew will organize and construct this.
5	When does ASPA suggest the contract would be awarded and what time frame do you expect it completed?	The contract will be awarded as soon as the bids are received (within 30 days). The work must be completed before December 2026. The requirement is to drill as many wells as possible before the end date.
6	Can the two deeper wells #12 and #26 be alternatively completed with 6" casing to their final depth?	Yes.
7	Will ASPA engineer specify the pumping test depth, rate and duration? Or do we need to sub-contract a consultant who can evaluate this?	ASPA engineer will do this.
8	Do envisage a consultant to be engaged by us to present the yield recommendation report?	Include this in the bidding proposal as an option for ASPA to select. The consultant providing the yield recommendation report will also be responsible for applying for the Permit to Operate (PTO) with the local EPA and address any questions or concerns they have. ASPA Engineer will assist with this and advise.
9	Is it possible to supply historic well logs from any nearby wells?	ASPA will provide available logs, however, logs for wells are only available from 2014 onwards.

WELL LOG

ASILI WELL #21

Well Number: 21 SWL: 119' Sea Level: 118'
Address: _____ Depth of Completed Well: 142'
Type of work: Well Drilling Depth first water: 137'
Drill Method: Air rotary Casing size: 10"

***Borehole Construction**

Dia. From: 0 to 18' : 14" hole From: 18' to 78': 12" Hole
Hole Dia. From: 78 to 142: 8-1/8" Hole
Well casing: 10" Total: 80' well casing with Mitsubishi shoe
Sealing material: Neat cement From: 78' to 65'
Backfill From: 65' up to '18

***Cement use**

Cement from 78' up to 65' - 10 bags used. (Push Plug)
Backfill from 65'- 18' - 12 bags
Cement upper seal from 18' to 0' - 14 bags used.
Total bags of cement used: 36 bags.

***Drilling**

Formations:

0 - 8 Topsoil brown clay with small boulders.
8 - 12 Broken Basalt (Dark).
12 - 45 Decomposed Basalt with Brown Clay (Soft.
45 - 65 Hard Broken Basalt .
65 - 90 Hard Gray Basalt.
90 - 120 Firm & Brown Semi-Decomposed Basalt.
120 - 137 Red Cinder
137 - 142 Porous Broken Basalt (Dark) / Water

Air Test: 50 GPM

Test Pump:

PWL:

Total Dissolved Solids: 147 PPM

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu, Ietitaia Levi, & Leuatea Faiai

Date drilling started: *October 31 , 2023*

Date drilling ended: *November 24, 2023*

DRILLING SUPPORT,LLC

WELL LOG

NAME: Malaeimi Well 1

Well Number: 1

SWL: 93.3

Sea Level: 176'

Address:

Type of work: New Well

Depth of Completed Well: 265 ft.

Drill Method: Air Rotary

Depth First Water: 50' Second Water: 125 '

Proposed Use: Community

Third Water:

Casing Used 8" from + 1 to 119'

Bore Hole Construction:

Dia.	From	To
12"	0	120'
8"	120'	265'

Sealing Material: Cement

From 0 To 119' Number of Sacks Used 48

Test Pump:	GPM	draw down	hours
Air test	75	drill steel at 220'	2hrs.
Air test	100	drill steel at 265'	2hrs.

Well Log

Material	From	To	SWL
Clay brown	0	50'	50'
Rock broken gray/brown	50'	110'	
Rock hard gray/ brown some red	110'	160'	93.3
Rock Broken gray/brown/red	160'	265'	93.3

Rodney Erler
General Manager

Date Started: 9/15/14
Date Ended: 9/25/14

DRILLING SUPPORT,LLC

WELL LOG

NAME: Malaeimi Well 2

Well Number: 2

SWL: 176'

Sea Level: 210'

Address:

Type of work: New Well

Depth of Completed Well: 265 ft.

Drill Method: Air Rotary

Depth First Water: 60' **Second Water:** 210'

Proposed Use: Community

Third Water:

Casing Used 8" from 0 to 103'

Bore Hole Construction:

Dia.	From	To
12"	0	104'
8"	104'	265'

Sealing Material: Cement

From 0 To 102' Number of Sacks Used 45

Test Pump: GPM draw down hours

Well Log

Material	From	To	SWL
Clay and boulders brown	0	30'	
Rock broken gray/brown	30'	60'	
Rock hard /inter laid with ceders gray/red drown	60'	210	
Rock Broken gray/brown	210'	265'	176'

Rodney Erler
General Manager

Date Started: 8/8/14
Date Ended: 9/12/14

DRILLING SUPPORT,LLC

WELL LOG

NAME: Malaeimi Well 3

Well Number: 3 **SWL:** - 150 ft. **Sea Level::** 175 ft.

Address: Behind ACE Hardware **Depth of Completed Well:** 220 ft.

Type of work: Community **Depth first water** 200ft. **SWL** 150ft.

Drill Method: Air Rotary **Casing size** 8" from + 2 ft. To 100 ft,

Bore Hole Construction: **Sealing Material used** Cement

Dia.	From	To	From 0 To 100	# of Sacks Used
12	0	100		55
8	100	220		

Test Pump: GPM _____ **draw down** _____

Formations:	From	To
Clay brown	0	15
Clay gray	15	35
Clay & Rock brown	35	85
Rock brown	85	125
Rock brown broken	125	165
Rock Red/Brown broken	165	200
Rock broke gray	200	220

Drillers Name: Rodney Erler

Date Started 11/13/14

Date Ended 11/21/14

DRILLING SUPPORT,LLC

WELL LOG

NAME: Malaeloa Well 15

Well Number: 15

SWL: 141 **Sea Level::** 190

Address: Malaeloa

Depth of Completed Well: 245'

Type of work: Community

Depth first water 210

Drill Method: Air Rotary

Casing size 8" from + 2' To 145'

Bore Hole Construction:

Sealing Material used cement

Dia. From To

From 0 To 145 # of Sacks Used 75

12" 0 145'

8" 145' 245'

Air Test 200 GPM drill steel @ 245'
for 2 hrs.

Formations:

From To

Clay & large gravel brown/gray

0 15

Broken rock gray/brown

15 18

Sand cemented brown/gray & some red

18 45

Rock hard gray

45 60

Cinders red

60 75

Sand cemented brown/red

75 105

Gravel gray/brown

105 110

Clay brown brown/red

110 115

Sand cemented brown/gray some red

115 125

Cinder cemented red/gray

125 150

Sand cemented gray/brown some red

150 180

Rock broken gray/brown

180 195

Rock gray hard

195 210

Sand cemented red/brown/gray

210 220

Rock gray hard

220 235

Sand cemented brown/red/gray

235 245

Drillers

Name: _____

Date Started 3/31/15

Date completed 4/13/15

Date :4/13/15 Drill Rig moved off well
site..

DRILLING SUPPORT,LLC

WELL LOG

NAME: Nu'uuli Well 24

Well Number: 24

SWL: 32.5

Sea Level:: 106'

Depth of Completed Well: 160'

Type of work: Community

Depth first water 22'

SWL 22ft.

Drill Method: Air rotary

Casing size from 8"

To 50'

Bore Hole Construction:

Sealing Material used cement

Dia. From To
12" 0 50'

From 0 To 50 # of Sacks Used 28

8' 50 160'

Test Pump: GPM 75 **air test**

Formations:

Clay/boulders brown/ gray

From To
0 20

Claystone gray

22 22

Claystone brown broken

22 25

Sand cemented brown

25 60

Sand cemented gray/red/brown brown broken

60 64

Sand cemented gray

64 80

Sand cemented broken gray/brown/red

80 83

Sand cement gray

83 155

Sand cemented brown

155 160

Drillers Name Rodney Erler,

Date Started 6/1/15**Date**

Ended 6/10/15

DRILLING SUPPORT, LLC

WELL LOG

NAME: Malaeimi Well 4

Well Number: 4

SWL: 141 ft.

Sea Level::220 ft.

Address: Maleaimi Well # 4

Depth of Completed Well: 271 ft.

Type of work: New construction

Depth first water: 30ft SWL 30 ft.

Drill Method: Air Rotary

Casing size: 8" from +1 ft. To 88 ft.

Bore Hole Construction:

Sealing Material: cement

Dia.	From	To
12	0	88 ft.
8	88 ft.	271 ft.

From: 0 to: 88ft. **Number of bags used: 70**

Air Test: GPM 300 drill pipe was 270 ft.

Test Pump:

Formations:

	From	To	SWL
Clay rock brown	0 ft.	12 ft.	
Clay brown	12 ft.	30 ft.	
Rock brown broken	30 ft.	45 ft.	30 ft.
Rock gray brown	45 ft.	60 ft.	
Rock brown	60 ft.	65ft	
Rock brown broken caving	65ft	75ft	
Rock gray/brown	75 ft.	125 ft.	
Cemented sand brown	125 ft.	165 ft.	
Rock red/ brown	165 ft.	185 ft.	
Rock gray/b brown	185 ft.	195 ft.	
Rock brown/ gray broken	195 ft.	271 ft.	114 ft.

Drillers Names: Rodney Erler,

Drill trainees: Jeff Tatupu drilled 45 ft. Levi Ueli drilled to 226 ft.

Date drilling started: 5/13/16

Date drilling ended: 7-13-16

DRILLING SUPPORT, LLC

WELL LOG

NAME: Malaeimi Well 5

Well Number: 5

SWL: 75.5 ft.

Sea Level: 220 ft.

Address: Malaeimi Well # 5

Depth of Completed Well: 270 ft.

Type of work: New Construction

Depth first water: 200 ft. **SWL:** 161 ft.

Drill Method: Air Rotary

Casing size: 8" from + 2ft. To 100ft.

Bore Hole Construction:

Sealing Material used cement

Dia. From To

From: 0 To 100 ft. # of Sacks Used: 44

12" o 105ft.

8" 105 270 ft.

Air Test: GPM 50 drill pipe at 250ft.

Test Pump

Formations:

	From	To	SWL
Boulder/clay brown/ gray	0	8	
Clay brown	8	24	
Rock/clay brown	24	55	
Rock/ broken gray	55	80	
Rock gray	80	200	
Rock fractured gray/red	200	270	161

Drillers Name: Rodney Erler drilled 100 ft.

Drill trainees: Levi Ueli drilled 170 ft.

Date Started 7-29-16

Date Ended 8-17-16

WELL LOG

Name: Faleniu Well 6

Well number: 6 **SWL:** -298. **Sea level:** -306

Address: Faleniu (Apiolefaga) **Depth of completed well:** -348 ft.

Type of work: Community **Depth first water:** -270 **SWL** -298

Drill method: Air rotary **Casing size 8"** from + 2.5 ft. to -102.5 ft,

Bore hole construction: **Sealing material used:** Cement only

Dia.	From	To	From 0 to 120	# of sacks used:
12	0	-14		35
8	+2.5	-102.5		

Test pump: GPM _____ **draw down** _____

Formations:	From	To
Alluvial clay brown/ trash/ small boulders	0	15
Dry grey alluvial and talus fill (gritty with small rocks)	15	30
Grey brown basalt (hard rock)	30	150
Brown grey red basalt (hard rock)	150	180
Grey basalt (hard rock)	180	300
Grey basalt with bits of red (hard rock)	300	340

Notes: First encountered water at -270 feet. Water slowly backed off until -290 feet and then started pushing out more water again. Water flow increased significantly at -300 feet with steady flow to TD -348'.

Drillers name: Rodney Erler

Date started:

Date ended: 11/10/16

WELL LOG

ILI'ILI WELL #74

Well Number: 74 SWL: 112.6' Sea Level: 120' approximately
Address: Ili'ili Golf Course Depth of Completed Well: 142'
Type of work: Well Drilling Depth first water: 139'
Drill Method: Air rotary Casing size: 8"

*Borehole Construction

Hole Diameter.

From: 0 to: 19' - 12" hole From: 19' to: 67' - 10" Hole

Hole Dia. From: ' to: ' - " Hole

Well casing: +2' to 118' Total: ' of " well casing with Mitsubishi shoe

Sealing material: Neat cement From: ' to ' with push plugs

Backfill From:

*Cement use

Cement from ' up to ' - bags used. (Push Plug)

Backfill from ' - ' - bags

Cement upper seal from ' to ' - bags used.

Other from -' up to Ground - bag of $\frac{3}{8}$ " Bentonite Chips

Total bags of cement used: 36 bags.

*Drilling

Formations:

0 - 41 Topsoil Small boulders

41 - 82 Medium Gray Basalt.

82 - 85 Semi-Broken Rock.

85 - 101 Grey Basalt with weathered seams

101 - 104 Semi-Broken Rock

104 - 117 Gray Basalt Weathered Seams.

117 - 139 Gray weathered Basalt, Some broken. H20

139 - 142 White coral with seashells

Air Test: 50 GPM

Test Pump:

PWL:

Total Dissolved Solids: 820 PPM

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu, Ietitaia Levi, & Leuatea Faiai

Date drilling started: *April 14 , 2024* Date drilling ended: *May 28, 2024*

WELL LOG

Malaeimi WELL #1

It says Malaeimi Well 1 but this is labeled 21, which is it???

Well Number: 21 **SWL:** 119' **Sea Level:** 118'

Address: _____ **Depth of Completed Well:** 263'

Type of work: Well Drilling **Depth first water:** 137'

Drill Method: Air rotary **Casing size:** 10"

***Borehole Construction**

Dia. From: 0 to 18' : 14" hole **From: 18' to 78':** 12" Hole

Hole Dia. From: 78 to 142: 8-1/8" Hole

Well casing: 10" **Total:** 80' well casing with Mitsubishi shoe

Sealing material: Neat cement **From:** 78' **to** 65'

Backfill From: 65' up to '18

***Cement use**

Cement from 78' up to 65' - 10 bags used. (Push Plug)

Backfill from 65'- 18' - 12 bags

Cement upper seal from 18' to 0' - 14 bags used.

Total bags of cement used: 36 bags.

***Drilling**

Formations:

0 - 8 Topsoil brown clay with small boulders.

8 - 12 Broken Basalt (Dark).

12 - 45 Decomposed Basalt with Brown Clay (Soft.

45 - 65 Hard Broken Basalt .

65 - 90 Hard Gray Basalt.

90 - 120 Firm & Brown Semi-Decomposed Basalt.

120 - 137 Red Cinder

137 - 142 Porous Broken Basalt (Dark) / Water

Deepening:

263 - 282 Semi Weathered Brown Basalt Very Dirty with multiple pump installation materials.

Air Test: __50 GPM_____

Test Pump: __

PWL:

Total Dissolved Solids: 147 PPM

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu, Ietitaia Levi, & Leuatea Faiai

Date drilling started: *October 31 , 2023*

Date drilling ended: *November 24, 2023*

Deepening started and ended: *12/07/2023 - 02/07/2024*

WELL LOG

MAPUSAGA WELL #29

Well Number: 29 SWL: 428' Sea Level: 432'
Address: Mapusaga Depth of Completed Well: 482' with 10'
cuttings
Type of work: Well Drilling Depth first water: 455'
Drill Method: Air rotary Casing size: 10"

*Borehole Construction

Dia. From: 0 to: 18' - 14" hole From: 18' to: 142' - 12" hole
Well casing: +2' to 142' Total: 144' of 10" casing with MB shoe
Sealing material: Neat cement From: 142' to 122' with push plugs
Backfill From: 122' to: 18' neat cement 10 bags

*Cement use

Cement from 142' up to 122' 16 bags used.
Backfilled from 122' up to 18' 64 bags used.
Cement upper seal from 18' to 0' 22 bags used.
Total bags of cement used: 102 bags.

*Drilling

0 - 5 Boulders and brown soil.
5 - 17 Gray basalt.
17 - 54 Gray basalt with broken seams.
54 - 90 Soft dark gray basalt.
90 - 106 Broken red basalt.
106 - 159 Medium gray basalt.
159 - 182 Blind
182 - 201 Medium Gray Basalt
201 - 226 Broken Red Cinders
226 - 281 Broken Red Cinders with Firm Seams
281 - 340 Blind (Cement)
340 - 365 Blind (Cement)
365 - 390 Blind (Cement)
390 - 409 Blind (Cement)
409 - 416 Blind (Cement)

416 - 422 Broken Gray Basalt (Cement)

422 - 455 Gray Basalt Semi Firm H2O @ 455'

455 - 482 Very Broken and Weathered Basalt Caving Drilled to 482' and hole became blind. Caved up to 470'

Air Test: _____

Test Pump: _____

Formations:

From To SWL

*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____
*	_____	*	_____

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu & Leuatea Faiai

Date drilling started: May 19, 2022

Date drilling ended:

November 30, 2023

WELL LOG

Tafuna WELL #18 (196)

Well Number: 18 SWL: ' Sea Level: 118'
Address: Depth of Completed Well: 263'
Type of work: Well Drilling Depth first water: 137'
Drill Method: Air rotary Casing size: 10"

***Borehole Construction**

Dia. From: 0 to 18' : 14" hole From: 18' to 78': 12" Hole
Hole Dia. From: 78 to 142: 8-1/8" Hole
Well casing: 10" Total: 80' well casing with Mitsubishi shoe
Sealing material: Neat cement From: 78' to 65'
Backfill From: 65' up to '18

***Cement use**

Cement from 78' up to 65' - 10 bags used. (Push Plug)
Backfill from 65'- 18' - 12 bags
Cement upper seal from 18' to 0' - 14 bags used.
Total bags of cement used: 36 bags.

***Drilling**

Formations:

0 - 8 Topsoil brown clay with small boulders.
8 - 12 Broken Basalt (Dark).
12 - 45 Decomposed Basalt with Brown Clay (Soft.
45 - 65 Hard Broken Basalt .
65 - 90 Hard Gray Basalt.
90 - 120 Firm & Brown Semi-Decomposed Basalt.
120 - 137 Red Cinder
137 - 142 Porous Broken Basalt (Dark) / Water

Deepening:

263 - 282 Semi Weathered Brown Basalt Very Dirty with multiple pump installation materials.

Air Test: __50 GPM____

Test Pump: __

PWL:

Total Dissolved Solids: 147 PPM

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu, Ietitaia Levi, & Leuatea Faiai

Date drilling started: *October 31 , 2023*

Date drilling ended: *November 24, 2023*

Deepening started and ended: *12/07/2023 - 02/07/2024*

WELL LOG

VAIPITO WELL #23

Well Number: 23 SWL: 219' Sea Level: 220' approximately
Address: Vaipito Depth of Completed Well: 282'
Type of work: Well Drilling Depth first water: 232'
Drill Method: Air rotary Casing size: 10"

*Borehole Construction

Dia. From: 0 to: 30' - 14" hole From: 30' to: 118' - 12" Hole

Hole Dia. From: 118' to: 282' - 8-1/8" Hole

Well casing: +2' to 118' Total: 120' of 10" well casing with Mitsubishi shoe

Sealing material: Neat cement From: 118' to 80' with push plugs

Backfill From: Cement from 80' up to 30'

*Cement use

Cement from 118' up to 80' - 20 bags used. (Push Plug)

Backfill from 80' - 30' - 15 bags

Cement upper seal from 30' to 2' - 25 bags used.

Other from -2' up to Ground - 1 bag of 3/8" Bentonite Chips

Total bags of cement used: 60 bags.

*Drilling

Formations:

0 - 30 Volcanic Red Clay (Soft).

30 - 80 Broken Tight Basalt.

80 - 118 Semi-firm Gray Basalt.

118 - 130 Semi-Broken Basalt with Red Clay Binder.

130 - 260 Semi-decomposed Red & Gray Basalt.

260 - 282 Firm Dark Grey Basalt.

Deepening

282 - 293 Firm Dark Grey Basalt

293 - 351 Soft Brown Semi Porous Basalt H20

351 - 363 Dark Brown Basalt w/Tan-Gray Clay

SWL after Deepening: 232' (03/14/2024)

Final Depth after Deepening: 363'
Test Pump Setting: 340' Maximum

Air Test: __ 40-50 GPM ____

Test Pump: __

PWL:

Total Dissolved Solids: 140 PPM

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu, Ietitaia Levi, & Leuatea Faiai

Date drilling started: *August 29 , 2023* Date drilling ended: *October 3, 2023*

Deepening started: *February 20, 2024* Deepening ended: *February 21, 2024*

WELL LOG

VATIA WELL #16

Well Number: 16 SWL: 61' Sea Level: 80'
Address: Vatia Depth of Completed Well: 150'
Type of work: Well Drilling Depth first water: 113'
Drill Method: Air rotary Casing size: 6"

***Borehole Construction**

Dia. From: 0 to: 60' - 12" hole From: 60' to: 78' - 8-1/8" Hole
Well casing: +2' to 78' Total: 80' of 6" well casing with no shoe
Sealing material: Neat cement From: 78' to 60' with push plugs
Backfill From: None

***Cement use**

Cement from 78' up to 60' - 8 bags used.
Cement upper seal from 60' to 0' - 40 bags used.
Total bags of cement used: 48 bags.

***Drilling**

Formations:

0 - 52 Volcanic Red Clay (Soft).
52 - 54 Black Ash.
54 - 90 Gray basalt.
90 - 96 Soft Red Clay (Stable).
96 - 113 Medium Grey Basalt (Semi-Broken).
113 - 150 Semi-weathered Basalt (Some Broken).

Air Test: 30 GPM

Test Pump: 35 GPM Constant with 52' of Drawdown after 12 hrs.

PWL: 113' 17"

Total Dissolved Solids: 140 PPM

Drillers Names: Jim Gunn

Trainees: Henry Salesa, Aliielua Peretiso, Jeff Tatupu, Ietitaia Levi, & Leuatea Faiai

Date drilling started: *June 14, 2023*
2023

Date drilling ended: *July 3,*

CAPITOL WELL DRILLING

WELL 25 ILIILI LOG

Driller Name:	James Gunn	Driller's License:	1629 WRD – Oregon Well Construction
Project Engineer:	Katrina Mariner	Division:	ESD – American Samoa Power Authority
Village:	Iliili	Well Elevation (ft.):	121.00 Sea Level (ft.): 119.00
Well ID.:	25	After Drilling SWL (ft.):	117.00
City:	Pago Pago	First Water (ft.):	
State:	American Samoa	Well Depth (ft.):	141
Type of Work:	New Construction	Sealing Material:	Cement Cement Bags Used: 58
Drill Method:	Air Rotary	From (ft.):	To (ft.):
Borehole Construction:			
Dia.	From:	To	Notes:
8"	0	101	
7.5" Casing	101	141	7 ½" hole
Air Test (gpm):	150	Drill pipe placed for air test at (ft.):	125
Formations:	From (ft.):	To (ft.):	SWL (ft.):
Large broken basalt	0	5	
Medium hard basalt	5	24	
Broken basalt	24	31	
Gray basalt	31	35	
Semi broken basalt	35	37	
Red brown basalt	37	51	
Broken gray basalt	51	55	
Gray basalt	55	61	
Gray and red basalt	61	80	
Semi porous basalt gray	80	85	
Grey basalt with few sands	85	99	
Broken basalt	99	131	
Coral white with sand	131	141	
Date Started:	06/04/2020	Date Completed:	07/24/2020
Recommended Pump Setting: Set pump at 120 ft.			

CAPITOL WELL DRILLING

WELL 7 TAFUNA/FAGAIMA LOG

Driller Name:	James Gunn	Driller's License:	1629 WRD – Oregon Well Construction	
Project Engineer:	Katrina Mariner	Division:	ESD – American Samoa Power Authority	
Village:	Tafuna/Fagaima	Well Elevation (ft.):	108.66	Sea Level (ft.): 106.66
Well ID.:	7	After Drilling SWL (ft.):	104.2	
City:	Pago Pago	First Water (ft.):		
State:	American Samoa	Well Depth (ft.):	145	
Type of Work:	New Construction	Sealing Material:	Cement	Cement Bags Used: 122
Drill Method:	Air Rotary	From (ft.):	To (ft.):	
		0	102	
Borehole Construction:				
Dia.	From:	To	Notes:	
12"	0	102		
8" Casing	102	145	7 ½" hole	
Air Test (gpm):	60	Drill pipe placed for air test at (ft.):	145	
Formations:		From (ft.):	To (ft.):	SWL (ft.):
Loose boulders		0	12	
Medium grey basalt		12	57	
Broken basalt with voids – Lost circulation here.		57	69	
Clay basalt		69	90	
Broken up basalt		90	95	
Medium grey basalt with porous seams		95	108	Final Water Level
Semi porous black and red basalt		108	145	
Date Started: 03/03/2020		Date Completed: 05/01/2020		

Drillers Notes:

Recommending we go with steel drop pipe or galvanized and not PVS with couplings.