

**CORE ANALYSIS REPORT**  
**FOR**  
**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
**TREE ISLAND PROJECT - VARIOUS WELLS**



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**CORE LABORATORIES**

**CORE ANALYSIS REPORT**  
**FOR**  
**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
**TREE ISLAND PROJECT - VARIOUS WELLS**

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December 12, 2000

SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
P.O. Box 24680  
West Palm Beach, Florida 33416-4680

File No.: 57181-18203  
Subject: Core Analysis  
Tree Island Project  
Various Wells

Gentlemen:

The subject well was cored using diamond coring equipment and brine to obtain 2 and 1 1/2 inch diameter cores from 4 to 34 feet from the Tree Island Project formation.

Core analysis data is presented in tabular and graphical form for your convenience. A porosity vs. permeability plot was prepared for statistical evaluation. Core analysis data is contained on a 3 1/2 inch computer diskette. Digital core photographs are contained on a CD.

We trust these data will be useful in the evaluation of your property and thank you for the opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "John Sebian", written in a cursive style.

John Sebian  
Laboratory Supervisor

JS/ym

SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
Tree Island Project - Various Wells  
File No. 57181-18203  
Procedural Page

The cores were shipped to Core Laboratories, Inc. in Midland by South Florida Water Management District personnel.

A Spectral Core Gamma Log was recorded for downhole E-log correlation on selected intervals.

Core analysis was made on selected intervals requested on full diameter samples. In addition plastic sleeved sample (unconsolidated samples) were run in existing liner.

Fluid removal was achieved using convection oven drying method. Unconsolidated plastic sleeve sample were dried in a convection oven not exceeding 145 degrees F.

Full diameter porosity was determined by direct pore volume measurement using Boyle's law helium expansion. Bulk volume was measured by Archimedes Principle. Grain density was calculated from dry weight, bulk volume and pore volume measurements.

$$\text{Grain Density} = \frac{\text{Dry Weight}}{\text{Bulk Vol.} - \text{Pore Vol.}}$$

Plastic sleeve (unconsolidated samples) direct grain volume measurement was made using Boyle's law helium expansion. Bulk volume was measured by Archimedes Principle on samples after cleaning. Porosity was calculated using bulk volume and grain volume measurements.

$$\text{Porosity} = \frac{\text{Bulk Vol.} - \text{Grain Vol.}}{\text{Bulk Vol.}} \times 100$$

Steady State Air Permeability was measured in two horizontal directions and vertically while the core was confined in a Hassler rubber sleeve. The plastic sleeve (unconsolidated) samples were run in the vertical direction.

Selected intervals of core was slabbed and boxed after analysis, 45 thin sections were taken after slabbing.

The slabs were photographed under natural light.

The core will be shipped back to South Florida Water Management District.

CORE LABORATORIES

Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
 Well : TREE ISLAND PROJECT - VARIOUS WELLS  
 Location :  
 Co,State :

Field :  
 Formation :  
 Coring Fluid :  
 Elevation :

File No. : 57181-18203  
 Date : 12-4-00  
 API No. :  
 Analysts: SEBIAN

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERNEABILITY			POROSITY (HELIUM) %	GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md	(VERTICAL) Kair md			

TREE ISLAND PROJECT

3A53-GW1 WELL

FULL DIAMETER SAMPLES

1	7.0- 07.2	3879.	3879.	9.53	12.2	2.68	Lim, pp, lam
2	9.0- 09.3	71.0	11.7	1.45	4.0	2.68	Lim, foss, sl pp, turb
* 3	10.0- 10.3		3659.	4148.	20.6	2.55	Lim, foss, moldic-vug, K(90)-pdpk
* 4	13.0- 13.2		1796.		28.6	2.67	Lim, foss, moldic-vug, K(90)-pdpk

PLASTIC SLEEVE SAMPLES

5	15.8- 16.0			74896.	52.1	2.69	Lim cse, qtz cse
6	17.8- 18.0			2303.	31.7	2.66	Lim, f, qtz f-cse
7	19.8- 20.0			19775.	34.3	2.66	Lim f, qtz f-med
8	21.8- 22.0			1249.	29.4	2.67	Lim, f, qtz f-cse
9	23.8- 24.0			76.1	27.6	2.68	Qtz f-cse, lim f
10	25.8- 26.0			1195.	39.8	2.69	Lim f, sl qtz vf
11	27.8- 28.0			1498.	35.6	2.72	Lim f, qtz cse

3A53-GW2 WELL

CORE LABORATORIES

Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
 Well : TREE ISLAND PROJECT - VARIOUS WELLS

Field :  
 Formation :

File No.: 57181-18203  
 Date : 12-4-00

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY			POROSITY (HELIUM) %	GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md	(VERTICAL) Kair md			

FULL DIAMETER SAMPLES

1	6.0- 06.3	1787.	2156.	1125.	24.3	2.69	Lim, foss, pp
2	9.5- 10.0	866.	805.	224.	11.5	2.68	Lim, foss, pp, brec
3	11.0- 11.5		197.	4088.	19.9	2.67	Lim, foss, pp, brec, K(90)-pdpk

PLASTIC SLEEVE SAMPLES

4	12.8- 13.0			214.	31.7	2.67	Lim f, sl qtz vf
5	14.8- 15.0			326.	32.0	2.66	Lim f, sl qtz f-med
6	16.8- 17.0			2574.	35.2	2.66	Qtz vf-med, lim vf
7	18.8- 19.0			736.	31.4	2.66	Lim vf, qtz vf-med
8	20.8- 21.0			366.	28.7	2.68	Lim vf-med, qtz vf-med
9	22.8- 23.0			1372.	29.9	2.70	Lim vf-med, qtz vf-med
10	24.8- 25.0			146.	25.7	2.68	Lim vf-cse, qtz vf-cse
11	26.8- 27.0			196.	26.1	2.69	Lim vf-cse, qtz vf-cse
12	28.8- 29.0			170.	25.3	2.67	Lim vf-med, qtz vf-cse
13	30.8- 31.0			323.	26.0	2.69	Lim vf-cse, qtz med
14	32.8- 33.0			203.	32.7	2.67	Lim vf-cse, qtz vf

3AS3-GW3 WELL

FULL DIAMETER SAMPLES

1	5.0- 05.3	207.	130.	474.	3.7	2.69	Lim, rootlet, sl brec
* 2	9.0- 09.6		707.	746.	23.1	2.69	Lim, foss, pp, brec, K(90)-pdpk

C O R E L A B O R A T O R I E S

Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
 Well : TREE ISLAND PROJECT - VARIOUS WELLS

Field :  
 Formation :

File No.: 57181-18203  
 Date : 12-4-00

C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH ft	PERMEABILITY			POROSITY (HELIUM) %	GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md	(VERTICAL) Kair md			

PLASTIC SLEEVE SAMPLES

3	13.8- 14.0			28317.	37.7	2.66	Qtz vf, lim vf
4	15.8- 16.0			2434.	37.6	2.73	Lim vf, qtz vf-med
5	17.8- 18.0			4371.	32.7	2.66	Qtz vf-med, lim vf
6	19.8- 20.0			12210.	37.5	2.65	Qtz vf-med, lim vf
7	21.8- 22.0			3563.	38.0	2.65	Qtz vf, lim vf
8	23.8- 24.0			399.	31.1	2.66	Qtz vf, lim vf
9	25.8- 26.0			2855.	32.2	2.68	Qtz vf, lim vf-med
10	27.8- 28.0						TBFA, Lim, vf-cse, qtz f-med
11	29.8- 30.0			48117.	40.3	2.67	Lim, vf-cse, qtz cse
12	31.8- 32.0			497.	32.1	2.69	Lim vf-med, qtz vf-cse
13	33.8- 34.0			2573.	31.5	2.68	Lim vf-med, qtz vf

3A53-GW4 WELL

FULL DIAMETER SAMPLES

*	1	4.0- 04.5		1.62	2.49	23.6	2.73	Lim, foss, chalk
	2	5.0- 05.5	4.03	0.22	5.80	3.9	2.66	Lim, terra rosa, rootlet
	3	7.5- 07.8	2821.	960.	22.3	17.2	2.63	Lim, sl pp, sl terra rosa
	4	9.0- 09.5	1334.	1116.	7.06	17.6	2.66	Lim, foss, pp, sl brec
	5	11.0- 11.5	353.	323.	367.	17.1	2.67	Lim, foss, pp, sl brec

PLASTIC SLEEVE SAMPLES

	6	15.8- 16.0			1111.	34.4	2.64	Qtz vf, lim vf
	7	17.8- 18.0			619.	34.3	2.65	Qtz vf, lim vf

CORE LABORATORIES

Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
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Field :  
 Formation :

File No.: 57181-18203  
 Date : 12-4-00

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY			POROSITY (HELIUM) %	GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md	(VERTICAL) Kair md			
8	19.8- 20.0			628.	34.9	2.65	Qtz vf, lim vf-med
9	21.8- 22.0			399.	29.9	2.66	Qtz vf-med, lim vf
10	23.8- 24.0			1299.	34.8	2.65	Qtz f, lim vf-med
11	25.8- 26.0			1463.	39.4	2.65	Qtz vf, lim vf-f
12	27.8- 28.0			271.	26.1	2.69	Lim vf-cse, qtz cse
13	29.8- 30.0			299.	30.1	2.67	Qtz vf, lim vf

38S1-GW1 WELL

FULL DIAMETER SAMPLES

*	1	6.5- 06.7		79.6		46.5	2.65	Lim, foss, dissol vug, pp
	2	11.0- 11.6	10.2	9.68	0.06	7.6	2.71	Lim, terra rosa, rootlet
	3	12.0- 12.5	2371.	1486.	134.	19.3	2.70	Lim, sl pp-vug, lam
*	4	16.0- 16.5		350.	11607.	42.2	2.72	Lim, foss, chalk
*	5	18.0- 18.3		0.64		23.1	2.70	Lim, foss, chalk, vug
	6	25.0- 25.6	2474.	1873.	13612.	19.0	2.70	Lim, foss, rootlet
	7	32.0- 32.4	2683.	2480.	4466.	31.2	2.69	Lim, foss, chalk

38S1-GW2 WELL

FULL DIAMETER SAMPLES

*	1	6.0- 06.5		2439.	300.	45.7	2.67	Lim, vug, chalk, K(90)-pdpk
*	2	9.0- 09.5		2201.	1426.	35.4	2.71	Lim, foss, sl brec
*	3	11.0- 11.5		5560.	1061.	31.8	2.71	Lim, foss, pp, sl brec
	4	13.5- 14.0	853.	784.	2346.	28.5	2.69	Lim, foss, sl pp, chalk



C O R E L A B O R A T O R I E S

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 Formation :

File No.: 57181-18203  
 Date : 12-4-00

C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH ft	PERMEABILITY			POROSITY (HELIUM) %	GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md	(VERTICAL) Kair md			
* 5	14.5- 15.0		3680.	6070.	37.2	2.70	Lim, foss, sl pp, chalk
* 6	19.0- 19.5		5.90	34.3	22.6	2.71	Lim, foss, sl pp, chalk, K(90)-pdpk
7	28.0- 28.5	0.44	0.37	0.35	27.2	2.70	Lim, foss, sl pp, chalk

3BS1-GW3 WELL

FULL DIAMETER ANALYSIS

1	6.5- 07.0	1917.	990.	1015.	44.5	2.69	Lim, foss, vug, chalk
2	8.0- 08.5	861.	827.	14.3	11.6	2.70	Lim, sl pp, limonite, brec
* 3	12.5- 13.0		4474.	2579.	30.7	2.69	Lim, sl pp, limonite, brec, chalk, K(90)-pdpk
4	23.0- 23.5	1286.	1170.	1119.	22.2	2.70	Lim, foss, sl moldic, sl chalk
5	24.0- 24.5	1.49	1.02	4.17	29.8	2.71	Lim, foss, sl pp, sl chalk
* 6	26.0- 26.5		86.5	1363.	38.2	2.70	Lim, foss, sl pp, chalk, K(90)-pdpk

3BS1-GW4 WELL

FULL DIAMETER SAMPLES

* 1	13.0- 13.5		4066.	2641.	29.0	2.70	Lim, pp, limonite, brec, K(90)-pdpk
* 2	15.0- 15.5		1011.		18.3	2.68	Lim, pp, limonite, brec, K(90)-pdpk
* 3	19.5- 20.0		35.5	4442.	26.0	2.68	Lim, pp, sl chalk, K(90)-pdpk
4	23.0- 23.5	1780.	685.	3.78	15.1	2.70	Lim, pp, brec
* 5	26.0- 26.5		192.		29.2	2.71	Lim, limonite, sl pp, brec, K(90)-pdpk
6	31.0- 31.5	2103.	1869.	6118.	18.3	2.71	Lim, rootlet-vug
7	32.0- 32.5	38.3	34.9	56.0	27.5	2.71	Lim, sl pp, chalk

C O R E L A B O R A T O R I E S

Company : SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
 Well : TREE ISLAND PROJECT - VARIOUS WELLS

Field :  
 Formation :

File No.: 57181-18203  
 Date : 12-4-00

C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH ft	PERMEABILITY			POROSITY (HELIUM) %	GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md	(VERTICAL) Kair md			

\* INDICATES PLUG ANALYSIS



LITHOLOGICAL ABBREVIATIONS

Anhy, anhy	Anhydrite (-ic)	Lim, lim	limestone
Ark, ark	arkos (-ic)	med gr	medium grain
bnd	band (-ed)	Mtrx	matrix
brec	breccia	NA	interval not analyzed
Calc, calc	calcite (-ic)	Nod, nod	nodules (-ar)
carb	carbonaceous	Ool, ool	oolite (-itic)
crs gr	course grained	Piso, piso	pisolite (-itic)
Chk, chky	chalk (-y)	pp	pin-point (porosity)
Cht, cht	chert (-y)	Pyr, pyr	pyrite (-itized, itic)
Cgl, cgl	conglomerate (-ic)	Sd, sdy	sand (-y)
crs xln	coarsely crystalline	Shr	solid hydrocarbon residue
dns	dense	sli/	slightly
Dol, dol	dolomite (-ic)	Sltstn, slty	siltstone, silty
Frac	randomly oriented fractures	styl	stylolite (-itic)
frac	slightly fractured	suc	sucrosic
f gr	fine grained	Su, su	sulphur, sulphurous
foss	fossil (-iferous)	TBFA	TOO BROKEN FOR ANALYSIS
f xln	finely crystalline	Trip, trip	tripolitic
Gil, gil	gilsonite	v/	very
Glauc, clauc	glauconite (-itic)	vert frac	perdominantly vertically fractured
Grt	granite	vug	vuggy
Gyp, gyp	gypsum (-iferous)	xbd	crossbedded
hor frac	perdominantly horizontally fractured	xln	medium crystalline
incl	inclusion (-ded)	xtl	crystal
intbd	interbedded		
lam	lamina (-tions,-ated)		

THE FIRST WORD IN THE DESCRIPTION COLUMN OF THE CORE ANALYSIS REPORT DESCRIBES THE ROCK TYPE. FOLLOWING ARE ROCK MODIFIERS IN DECREASING ABUNDANCE AND MISCELLANEOUS DESCRIPTIVE TERMS.

South Florida Water Management District  
 3AS3 - GW1 Well  
 Spectral Gamma Log Data

Tree Island Project  
 December 2, 2000  
 File Number: 57181-18203t

Sample Identification: 4.0 to 5.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
4.00	0.0000	0.9200	0.0000	2.8000	0.0000
4.21	0.0000	0.9000	0.0000	2.7000	0.0000
4.43	0.0000	0.9100	0.0300	2.8000	0.0000
4.64	0.0000	0.9400	0.0400	2.9000	0.0000
4.86	0.0000	0.4000	0.0000	2.9000	0.0000
5.07	0.0000	0.0000	0.0000	2.7000	2.7000
5.29	0.0000	0.2300	0.0000	2.8000	0.8000
5.50	0.0000	0.9000	0.0000	2.7000	0.0000

Sample Identification: 5.5 to 7.5, sample # 1

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
5.50	0.0000	0.8700	0.0000	2.6000	0.0000
5.70	0.0000	0.3000	0.0000	2.6000	0.3000
5.90	0.0000	0.4400	0.0800	2.6000	0.0000
6.10	0.0000	0.6400	0.0000	3.1000	0.0000
6.30	0.0000	0.1300	0.0000	3.1000	2.1000
6.50	0.0000	0.6400	0.0000	3.0000	0.0000
6.70	0.0000	0.9800	0.0000	2.9000	0.0000
6.90	0.0000	0.0000	0.0000	3.3000	3.3000
7.10	0.0000	0.4600	0.0000	3.0000	0.0000
7.30	0.0000	1.0200	0.0000	3.0000	0.0000
7.50	0.0000	0.8800	0.0000	2.6000	0.0000

Sample Identification: 7.5 to 10.5, sample # 2 and # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
7.50	0.0005	0.0000	1.1200	2.7000	2.7000
7.70	0.0011	0.0000	0.6700	2.5000	2.5000
7.90	0.0020	0.0000	0.2100	2.4000	2.4000
8.10	0.0016	0.0000	0.2900	2.2000	2.2000
8.30	0.0000	0.0000	0.9100	2.8000	2.8000
8.50	0.0000	0.0000	0.2700	2.8000	2.8000
8.70	0.0000	0.0000	0.0000	2.7000	2.7000
8.90	0.0000	0.0000	0.0000	2.8000	2.8000
9.10	0.0000	0.0000	0.2600	2.5000	2.5000
9.30	0.0000	0.0000	1.3300	2.7000	2.7000

**South Florida Water Management District  
3AS3 - GW1 Well  
Spectral Gamma Log Data**

**Tree Island Project  
December 2, 2000  
File Number: 57181-18203t**

9.50	0.0006	0.0000	0.0400	2.7000	2.7000
9.70	0.0026	0.0000	0.0000	2.6000	2.6000
9.90	0.0018	0.0000	0.0000	2.8000	2.8000
10.10	0.0022	0.0000	0.0000	2.8000	2.8000
10.30	0.0000	0.0000	0.0000	3.1000	3.1000
10.50	0.0000	0.0000	0.0000	3.5000	3.5000

**Sample Identification: 11.5 to 14.0, sample # 4**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
11.50	0.0000	0.8400	0.0000	2.5000	0.0000
11.69	0.0004	0.8900	0.0000	2.5000	0.0000
11.88	0.0000	0.8500	0.0000	2.6000	0.0000
12.08	0.0000	0.8300	0.0000	2.5000	0.0000
12.27	0.0000	0.7400	0.0000	2.2000	0.0000
12.46	0.0000	0.0000	0.0200	1.9000	1.9000
12.65	0.0000	0.0000	0.8800	1.9000	1.9000
12.85	0.0000	0.0000	0.6500	2.0000	2.0000
13.04	0.0000	0.0000	0.0000	2.3000	2.3000
13.23	0.0000	0.0000	0.0000	2.1000	2.1000
13.42	0.0000	0.0000	0.6400	1.8000	1.8000
13.62	0.0000	0.0000	0.4200	1.7000	1.7000
13.81	0.0000	0.6000	0.0000	1.8000	0.0000
14.00	0.0000	0.4200	0.0000	1.3000	0.0000

**Sample Identification: 15.0 to 16.0, sample # 5**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
15.00	0.0000	0.8900	0.0000	2.7000	0.0000
15.25	0.0000	0.0000	0.0000	2.8000	2.8000
15.50	0.0000	0.0000	0.0000	3.2000	3.2000
15.75	0.0000	0.0000	0.0000	3.2000	3.2000
16.00	0.0000	0.0000	0.0000	3.0000	3.0000

**Sample Identification: 17.0 to 18.0, sample # 6**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
17.00	0.0002	0.0000	0.0000	2.5000	2.5000
17.25	0.0000	0.0000	0.0000	2.4000	2.4000
17.50	0.0000	0.0700	0.0000	2.5000	1.6000
17.75	0.0000	0.4100	0.0000	2.9000	0.0000

**South Florida Water Management District  
3AS3 - GW1 Well  
Spectral Gamma Log Data**

**Tree Island Project  
December 2, 2000  
File Number: 57181-18203t**

18.00            0.0000            0.9200            0.0000            2.8000            0.0000

**Sample Identification: 19.0 to 20.0 sample # 7**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
19.00	0.0000	0.0000	1.3100	2.6000	2.6000
19.25	0.0000	0.0000	1.3400	2.7000	2.7000
19.50	0.0000	0.0900	0.0000	2.7000	1.7000
19.75	0.0000	0.0000	0.0000	2.7000	2.7000
20.00	0.0000	0.0000	0.0000	3.4000	3.4000

**Sample Identification: 21.0 to 22.0, sample # 8**  
face Elevation 15.61 ft, Sample Elevation -4.39 ft to -9.39 ft.

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
21.00	0.0001	0.0000	0.0000	2.5000	2.5000
21.25	0.0000	0.0000	0.0000	2.4000	2.4000
21.50	0.0000	0.2900	0.0000	2.2000	0.0000
21.75	0.0000	0.7900	0.0000	2.4000	0.0000
22.00	0.0000	0.6300	0.0000	2.3000	0.0000

**Sample Identification: 23.0 to 24.0, sample # 9**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
23.00	0.0000	0.8500	0.0000	2.6000	0.0000
23.25	0.0000	0.9700	0.0000	2.9000	0.0000
23.50	0.0000	0.8600	0.0000	2.6000	0.0000
23.75	0.0000	0.6400	0.0000	1.9000	0.0000
24.00	0.0000	0.7500	0.0000	2.3000	0.0000

**Sample Identification: 25.0 to 26.0, sample # 10**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
25.00	0.0000	0.0000	0.4100	3.1000	3.1000
25.25	0.0000	0.0000	0.0000	3.2000	3.2000
25.50	0.0000	0.0000	0.0000	3.2000	3.2000
25.75	0.0000	0.0000	0.0000	3.3000	3.3000
26.00	0.0000	0.0000	0.0000	3.0000	3.0000

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**Sample Identification: 27.0 to 28.0 sample # 11**

<b>DEPTH (ft)</b>	<b>POTASSIUM (%/100)</b>	<b>URANIUM (ppm)</b>	<b>THORIUM (ppm)</b>	<b>TOTAL (API)</b>	<b>TOTAL URANIUM FREE (API)</b>
27.00	0.0000	1.4200	0.0000	4.3000	0.0000
27.25	0.0000	1.4000	0.0000	4.2000	0.0000
27.50	0.0000	1.1700	0.0000	3.5000	0.0000
27.75	0.0000	1.1200	0.0000	3.4000	0.0000
28.00	0.0000	0.7900	0.1300	2.6000	0.0000

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Sample Identification: 4.0 to 7.0, sample # 1

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
5.00	0.0000	1.1300	0.0000	2.5000	0.0000
5.20	0.0000	1.1000	0.0000	2.2000	0.0000
5.40	0.0000	0.9000	0.0000	2.7000	0.0000
5.60	0.0006	0.7300	0.0000	2.8000	0.0000
5.80	0.0015	0.3700	0.0000	2.6000	0.0000
6.00	0.0000	0.9600	0.0000	2.9000	0.0000
6.20	0.0009	0.6400	0.0000	2.9000	0.0000
6.40	0.0000	0.1600	0.0000	3.0000	1.4000
6.60	0.0000	0.0000	0.0000	3.1000	3.1000
6.80	0.0000	0.9800	0.0000	3.0000	0.0000
7.00	0.0000	0.8000	0.0000	2.4000	0.0000

Sample Identification: 8.0 to 10.5, sample # 2 and # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
8.00	0.0000	0.0000	0.0000	2.4000	2.4000
8.19	0.0000	0.0000	0.0000	2.4000	2.4000
8.38	0.0000	0.0000	0.0000	2.5000	2.5000
8.58	0.0000	0.0000	0.0000	2.7000	2.7000
8.77	0.0000	0.5100	0.0000	3.1000	0.0000
8.96	0.0000	0.5100	0.0000	3.2000	0.0000
9.15	0.0000	1.0600	0.0000	3.2000	0.0000
9.35	0.0000	1.0800	0.0000	3.2000	0.0000
9.54	0.0000	1.0700	0.0000	3.2000	0.0000
9.73	0.0000	0.7200	0.3400	2.8000	0.0000
9.92	0.0000	0.8300	0.0000	2.5000	0.0000
10.12	0.0000	0.8300	0.2800	3.1000	0.0000
10.31	0.0000	0.0500	0.0000	3.1000	2.7000
10.50	0.0000	0.0000	0.0500	2.9000	2.9000

Sample Identification: 12.0 to 13.0, sample # 4

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
12.00	0.0000	0.0000	0.0000	2.5000	2.5000
12.25	0.0000	0.1400	0.0000	2.8000	0.4000
12.50	0.0000	0.0000	0.0000	2.3000	2.3000
12.75	0.0000	0.0000	0.0000	2.2000	2.2000



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13.00            0.0000            0.0000            0.0000            2.4000            2.4000

**Sample Identification: 14.0 to 15.0, sample # 5**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
14.00	0.0000	1.1400	0.0000	3.4000	0.0000
14.25	0.0000	1.0600	0.0000	3.2000	0.0000
14.50	0.0000	1.0000	0.0000	3.0000	0.0000
14.75	0.0000	0.9700	0.0000	2.9000	0.0000
15.00	0.0000	0.8100	0.0000	2.4000	0.0000

**Sample Identification: 16.0 to 17.0, sample # 6**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
16.00	0.0000	0.0000	0.0000	1.6000	1.6000
16.25	0.0000	0.2800	0.0000	1.6000	0.0000
16.50	0.0000	0.0500	0.1500	1.8000	0.8000
16.75	0.0000	0.0000	0.0000	1.8000	1.8000
17.00	0.0000	0.3900	0.1500	1.8000	0.0000

**Sample Identification: 18.0 to 19.0, sample # 7**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
18.00	0.0002	0.0000	0.6000	1.6000	1.6000
18.25	0.0000	0.0000	0.3900	1.9000	1.9000
18.50	0.0000	0.0000	0.8100	2.1000	2.1000
18.75	0.0000	0.0000	1.1200	2.2000	2.2000
19.00	0.0000	0.0000	1.1900	2.4000	2.4000

**Sample Identification: 20.0 to 21.0 sample # 8**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
20.00	0.0000	0.6200	0.0000	3.3000	0.0000
20.25	0.0000	0.0000	0.0000	3.5000	3.5000
20.50	0.0000	0.0000	1.5000	3.4000	3.4000
20.75	0.0000	0.0000	1.5600	3.1000	3.1000
21.00	0.0000	0.0000	1.4400	2.9000	2.9000

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**Sample Identification: 22.0 to 23.0, sample # 9**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
22.00	0.0000	0.0000	0.0000	3.8000	3.8000
22.25	0.0000	0.0000	0.0000	4.1000	4.1000
22.50	0.0000	0.0000	0.0000	4.3000	4.3000
22.75	0.0000	0.7900	0.0000	3.7000	0.0000
23.00	0.0000	1.2400	0.0000	3.7000	0.0000

**Sample Identification: 24.0 to 25.0, sample # 10**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
24.00	0.0000	0.0000	0.0000	3.5000	3.5000
24.25	0.0000	0.0000	0.0000	3.4000	3.4000
24.50	0.0000	0.0000	0.0000	3.1000	3.1000
24.75	0.0000	0.0000	0.0000	3.4000	3.4000
25.00	0.0000	0.0000	0.0000	2.9000	2.9000

**Sample Identification: 26.0 to 27.0, sample # 11**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
26.00	0.0000	0.0000	0.0000	2.4000	2.4000
26.25	0.0000	0.0000	0.0000	2.5000	2.5000
26.50	0.0000	0.0000	0.0000	2.3000	2.3000
26.75	0.0000	0.0000	0.0000	2.4000	2.4000
27.00	0.0000	0.0000	0.0000	2.6000	2.6000

**Sample Identification: 28.0 to 29.0 sample # 12**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
28.00	0.0000	0.5400	0.0000	1.6000	0.0000
28.25	0.0000	0.6600	0.0000	2.0000	0.0000
28.50	0.0000	0.4800	0.0000	2.0000	0.0000
28.75	0.0000	0.0700	0.1500	1.8000	0.6000
29.00	0.0000	0.3500	0.3400	1.7000	0.0000

**Sample Identification: 30.0 to 31.0, sample # 13**

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DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
30.00	0.0000	0.0000	0.0000	2.8000	2.8000
30.25	0.0000	0.0000	0.0000	2.5000	2.5000
30.50	0.0000	0.0000	0.0000	2.4000	2.4000
30.75	0.0000	0.0000	0.0000	2.7000	2.7000
31.00	0.0000	0.0000	0.0000	2.6000	2.6000

Sample Identification: 32.0 to 33.0 sample # 14

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
32.00	0.0000	0.6600	0.0000	2.9000	0.0000
32.25	0.0000	0.8500	0.0000	2.6000	0.0000
32.50	0.0000	0.8100	0.0000	2.4000	0.0000
32.75	0.0005	0.4900	0.0000	2.6000	0.0000
33.00	0.0000	0.0000	0.0000	2.4000	2.4000

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Sample Identification: 5.0 to 6.0, sample # 1

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
5.00	0.0000	0.0000	0.6300	1.6000	1.6000
5.25	0.0000	0.0900	0.4200	1.6000	0.5000
5.50	0.0000	0.0000	0.5600	1.1000	1.1000
5.75	0.0000	0.0000	0.0000	1.2000	1.2000
6.00	0.0000	0.0000	0.0000	1.4000	1.4000

Sample Identification: 7.0 to 9.5, sample # 2

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
7.00	0.0000	0.7000	0.0000	2.1000	0.0000
7.19	0.0000	0.3800	0.4500	2.0000	0.0000
7.38	0.0000	0.0000	1.2000	2.4000	2.4000
7.58	0.0000	0.0000	1.1100	2.2000	2.2000
7.77	0.0000	0.0600	1.1200	2.4000	1.9000
7.96	0.0000	0.4900	0.5200	2.5000	0.0000
8.15	0.0000	0.8200	0.0000	2.5000	0.0000
8.35	0.0000	0.8500	0.0000	2.5000	0.0000
8.54	0.0000	0.8800	0.0000	2.6000	0.0000
8.73	0.0000	0.7800	0.0000	2.4000	0.0000
8.92	0.0000	0.5300	0.0000	2.6000	0.0000
9.12	0.0000	0.6500	0.0000	1.9000	0.0000
9.31	0.0000	0.7500	0.0000	2.2000	0.0000
9.50	0.0000	0.6600	0.0000	2.0000	0.0000

Sample Identification: 13.0 to 14.0, sample # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
13.00	0.0000	0.0000	1.2300	2.5000	2.5000
13.25	0.0000	0.0000	1.0600	2.1000	2.1000
13.50	0.0000	0.0000	1.0200	2.0000	2.0000
13.75	0.0000	0.0000	1.0700	2.1000	2.1000
14.00	0.0000	0.0000	1.0700	2.1000	2.1000

Sample Identification: 15.0 to 16.0, sample # 4

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM
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DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
15.00	0.0000	0.6100	0.0000	1.8000	0.0000
15.25	0.0000	0.5700	0.0000	1.7000	0.0000
15.50	0.0000	0.0000	0.0000	1.7000	1.7000
15.75	0.0000	0.0000	0.0000	1.9000	1.9000
16.00	0.0000	0.0000	0.0000	2.2000	2.2000

Sample Identification: 17.0 to 18.0, sample # 5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
17.00	0.0000	0.0000	0.0000	2.6000	2.6000
17.25	0.0000	0.0000	0.0000	2.8000	2.8000
17.50	0.0000	0.4800	0.0000	2.4000	0.0000
17.75	0.0000	0.6500	0.0000	2.4000	0.0000
18.00	0.0000	0.0000	0.0000	2.1000	2.1000

Sample Identification: 19.0 to 20.0, sample # 6

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
19.00	0.0000	0.7900	0.0000	2.4000	0.0000
19.25	0.0000	0.1600	0.0000	2.1000	0.0000
19.50	0.0000	0.5000	0.0000	2.0000	0.0000
19.75	0.0000	0.5300	0.0000	1.6000	0.0000
20.00	0.0000	0.6400	0.0000	1.9000	0.0000

Sample Identification: 21.0 to 22.0 sample # 7

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
21.00	0.0000	0.1800	0.0000	3.0000	0.3000
21.25	0.0000	0.8700	0.0000	3.2000	0.0000
21.50	0.0000	0.8900	0.0000	2.7000	0.0000
21.75	0.0000	0.8800	0.0000	2.6000	0.0000
22.00	0.0000	0.9500	0.0000	2.9000	0.0000

Sample Identification: 23.0 to 24.0, sample # 8

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
23.00	0.0000	0.0000	0.0000	0.0000	0.0000
23.25	0.0000	0.0000	0.0000	0.0000	0.0000
23.50	0.0000	0.0000	0.0000	0.0000	0.0000
23.75	0.0000	0.0000	0.0000	0.0000	0.0000
24.00	0.0000	0.0000	0.0000	0.0000	0.0000

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23.00	0.0000	0.0000	1.4700	2.9000	2.9000
23.25	0.0000	0.0000	1.2400	3.2000	3.2000
23.50	0.0000	1.0500	0.0000	3.2000	0.0000
23.75	0.0000	0.3300	0.0000	3.3000	0.0000
24.00	0.0000	0.0000	0.0000	3.2000	3.2000

**Sample Identification: 25.0 to 26.0, sample # 9**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
25.00	0.0000	0.0000	0.0000	2.1000	2.1000
25.25	0.0000	0.6600	0.0000	2.0000	0.0000
25.50	0.0000	0.0000	0.0000	2.3000	2.3000
25.75	0.0000	0.0000	0.0000	2.1000	2.1000
26.00	0.0000	0.0000	0.0000	2.2000	2.2000

**Sample Identification: 27.0 to 28.0, sample # 10**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
27.00	0.0000	0.0000	0.0000	3.5000	3.5000
27.25	0.0000	0.0000	0.0000	3.4000	3.4000
27.50	0.0000	0.0000	0.0000	3.3000	3.3000
27.75	0.0000	1.0400	0.0000	3.1000	0.0000
28.00	0.0000	0.4900	0.0000	2.7000	0.0000

**Sample Identification: 29.0 to 30.0 sample # 11**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
29.00	0.0000	0.6400	0.0000	1.9000	0.0000
29.25	0.0000	0.7900	0.0000	1.2000	0.0000
29.50	0.0000	0.8800	0.0000	2.6000	0.0000
29.75	0.0000	1.1000	0.0000	1.1000	0.0000
30.00	0.0000	0.8600	0.0000	1.2000	0.0000

**Sample Identification: 31.0 to 32.0, sample # 12**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
31.00	0.0000	0.0100	0.0000	2.8000	2.6000
31.25	0.0000	0.0000	0.0000	3.0000	3.0000

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31.50	0.0000	0.0000	0.0000	2.6000	2.6000
31.75	0.0000	0.0000	0.0000	2.9000	2.9000
32.00	0.0000	0.0000	0.0000	2.3000	2.3000

Sample Identification: 33.0 to 34.0 sample # 13

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
33.00	0.0000	0.7200	0.5700	3.3000	0.0000
33.25	0.0000	0.8100	0.3000	3.0000	0.0000
33.50	0.0000	0.6200	0.4900	2.8000	0.0000
33.75	0.0000	1.0100	0.0000	3.0000	0.0000
34.00	0.0000	0.5300	0.0000	2.9000	0.0000

**Sample Identification: 3.5 to 7.5, sample # 1, # 2 and # 3**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
3.50	0.0000	0.0000	0.0000	2.8000	2.8000
3.69	0.0000	0.0000	0.0200	2.6000	2.6000
3.88	0.0000	0.0000	1.1800	2.4000	2.4000
4.07	0.0000	0.0000	1.0800	2.2000	2.2000
4.26	0.0000	0.0000	1.0800	2.2000	2.2000
4.45	0.0000	0.0000	0.9600	1.9000	1.9000
4.64	0.0000	0.2200	0.6000	1.9000	0.0000
4.83	0.0000	0.5200	0.1600	1.9000	0.0000
5.02	0.0000	0.7400	0.0000	2.2000	0.0000
5.21	0.0000	0.7400	0.0000	2.2000	0.0000
5.40	0.0000	0.6700	0.0000	2.0000	0.0000
5.60	0.0000	0.7700	0.0000	2.3000	0.0000
5.79	0.0000	0.7500	0.0000	2.3000	0.0000
5.98	0.0000	0.7800	0.0000	2.3000	0.0000
6.17	0.0000	0.0000	0.0000	2.4000	2.4000
6.36	0.0000	0.6300	0.0000	2.1000	0.0000
6.55	0.0000	0.0000	1.2100	2.4000	2.4000
6.74	0.0000	0.0000	1.1100	2.2000	2.2000
6.93	0.0000	0.0000	1.0300	2.1000	2.1000
7.12	0.0000	0.0000	1.0700	2.6000	2.6000
7.31	0.0000	0.0000	1.2300	2.5000	2.5000
7.50	0.0000	0.0000	1.3500	2.7000	2.7000

**Sample Identification: 8.0 to 9.0, sample # 4**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
8.00	0.0000	0.0000	0.0000	3.7000	3.7000
8.25	0.0000	0.0000	0.0000	3.8000	3.8000
8.50	0.0000	0.0000	0.0000	3.9000	3.9000
8.75	0.0000	0.0000	0.0000	4.0000	4.0000
9.00	0.0000	0.0000	0.0000	3.8000	3.8000

**Sample Identification: 11.0 to 12.5, sample # 5**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
11.00	0.0000	0.6700	0.2800	2.6000	0.0000
11.21	0.0000	0.5400	0.0000	2.5000	0.0000



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11.43	0.0000	0.3700	0.0000	2.6000	0.0000
11.64	0.0000	0.5400	0.0000	2.2000	0.0000
11.86	0.0000	0.1900	0.0000	2.2000	0.4000
12.07	0.0000	0.5300	0.0000	1.7000	0.0000
12.29	0.0000	0.7000	0.0000	2.2000	0.0000
12.50	0.0000	0.8500	0.0000	2.6000	0.0000

**Sample Identification: 15.0 to 16.0, sample # 6**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
15.00	0.0000	0.9800	0.0000	2.9000	0.0000
15.25	0.0000	0.9600	0.0000	2.9000	0.0000
15.50	0.0000	1.1300	0.0000	3.4000	0.0000
15.75	0.0000	0.7100	0.0000	3.1000	0.0000
16.00	0.0000	0.5400	0.0000	2.8000	0.0000

**Sample Identification: 17.0 to 18.0, sample # 7**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
17.00	0.0000	0.0000	0.0000	2.6000	2.6000
17.25	0.0000	0.0000	0.0000	3.0000	3.0000
17.50	0.0000	0.0300	0.0000	3.1000	2.7000
17.75	0.0000	0.0000	0.0000	3.4000	3.4000
18.00	0.0000	0.0200	0.0000	2.9000	2.6000

**Sample Identification: 19.0 to 20.0, sample # 8**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
19.00	0.0000	0.8500	0.0000	2.6000	0.0000
19.25	0.0000	0.0000	0.0000	2.5000	2.5000
19.50	0.0000	0.0000	0.0000	2.3000	2.3000
19.75	0.0000	0.0000	0.0000	2.1000	2.1000
20.00	0.0000	0.0000	0.0000	1.9000	1.9000

**Sample Identification: 21.0 to 22.0 sample # 9**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
21.00	0.0000	1.0300	0.0000	3.1000	0.0000

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21.25	0.0000	1.1300	0.0000	3.4000	0.0000
21.50	0.0000	1.0900	0.0000	3.3000	0.0000
21.75	0.0000	0.9800	0.0000	2.9000	0.0000
22.00	0.0000	0.9100	0.0000	2.7000	0.0000

Sample Identification: 23.0 to 24.0, sample # 10

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
23.00	0.0000	0.0000	0.0000	2.4000	2.4000
23.25	0.0000	0.0000	0.0000	2.3000	2.3000
23.50	0.0000	0.0000	0.0000	2.8000	2.8000
23.75	0.0000	0.0000	0.0000	3.0000	3.0000
24.00	0.0000	0.0000	0.0000	3.3000	3.3000

Sample Identification: 25.0 to 26.0, sample # 11

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
25.00	0.0000	0.3100	0.7300	2.4000	0.0000
25.25	0.0000	0.5700	0.0000	2.2000	0.0000
25.50	0.0000	0.0000	0.8300	2.2000	2.2000
25.75	0.0000	0.0000	0.4100	2.5000	2.5000
26.00	0.0000	0.0000	0.0000	2.5000	2.5000

Sample Identification: 27.0 to 28.0, sample # 12

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
27.00	0.0000	0.0000	1.4800	3.5000	3.5000
27.25	0.0000	0.0000	0.1900	3.5000	3.5000
27.50	0.0000	0.0000	0.1900	3.5000	3.5000
27.75	0.0000	0.0000	0.0000	3.5000	3.5000
28.00	0.0000	0.4000	0.0000	3.4000	0.0000

Sample Identification: 29.0 to 30.0 sample # 13

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
29.00	0.0000	0.5300	0.2900	2.2000	0.0000
29.25	0.0000	0.7600	0.0000	2.3000	0.0000
29.50	0.0000	0.7200	0.0000	2.2000	0.0000

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29.75	0.0000	0.6600	0.0000	2.0000	0.0000
30.00	0.0000	0.7000	0.0000	1.7000	0.0000

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Sample Identification: 5.0 to 8.0, sample # 1

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
5.00	0.0000	0.5700	0.0000	1.7000	0.0000
5.20	0.0000	0.6000	0.0000	1.8000	0.0000
5.40	0.0000	0.5800	0.0000	1.7000	0.0000
5.60	0.0000	0.4400	0.2300	1.8000	0.0000
5.80	0.0000	0.5000	0.2600	1.6000	0.0000
6.00	0.0000	0.6800	0.3000	1.3000	0.0000
6.20	0.0000	0.6700	0.1700	1.4000	0.0000
6.40	0.0000	0.9100	0.0000	1.3000	0.0000
6.60	0.0000	0.7100	0.0000	2.1000	0.0000
6.80	0.0000	1.2200	0.0000	3.7000	0.0000
7.00	0.0000	2.8100	0.0000	9.6000	0.0000
7.20	0.0000	2.1200	0.0000	8.5000	0.0000
7.40	0.0000	2.7900	0.0000	12.4000	0.0000
7.60	0.0000	2.1100	0.0000	16.5000	0.0000
7.80	0.0000	1.9300	0.0000	11.5000	0.0000
8.00	0.0000	1.8500	0.1900	7.0000	0.0000

Sample Identification: 9.5 to 12.5, sample # 2 and # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
9.500	0.00000	0.00000	0.00000	2.10000	2.10000
9.700	0.00000	0.00000	0.00000	2.20000	2.20000
9.900	0.00000	0.43000	0.00000	2.50000	0.00000
10.100	0.00000	0.60000	0.00000	2.40000	0.00000
10.300	0.00000	0.43000	0.00000	2.60000	0.00000
10.500	0.00000	0.09000	0.00000	2.80000	2.10000
10.700	0.00000	0.00000	0.00000	2.80000	2.80000
10.900	0.00000	0.00000	0.00000	2.50000	2.50000
11.100	0.00000	0.25000	0.00000	2.50000	0.40000
11.300	0.00000	0.00000	0.00000	2.30000	2.30000
11.500	0.00000	0.00000	0.00000	2.60000	2.60000
11.700	0.00000	0.78000	0.00000	2.80000	0.00000
11.900	0.00000	0.90000	0.00000	2.70000	0.00000
12.100	0.00000	0.91000	0.19000	3.10000	0.00000
12.300	0.00000	0.66000	0.46000	2.90000	0.00000
12.500	0.00000	0.89000	0.00000	2.70000	0.00000

Sample Identification: 12.5 to 15.5

DEPTH	POTASSIUM	URANIUM	THORIUM	TOTAL	TOTAL
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(ft)	(%/100)	(ppm)	(ppm)	(API)	URANIUM FREE (API)
12.50	0.0009	0.3000	0.0000	1.8000	0.0000
12.70	0.0000	0.7100	0.0000	2.1000	0.0000
12.90	0.0000	0.6500	0.0000	2.6000	0.0000
13.10	0.0000	0.0000	0.0100	3.0000	3.0000
13.30	0.0000	0.0000	0.8700	3.2000	3.2000
13.50	0.0000	0.0000	1.6500	3.3000	3.3000
13.70	0.0000	0.0000	1.3000	3.6000	3.6000
13.90	0.0000	0.4600	0.9600	3.3000	0.0000
14.10	0.0000	0.0000	1.0900	3.1000	3.1000
14.30	0.0000	0.1400	1.0300	2.5000	1.0000
14.50	0.0000	0.0000	1.1700	2.3000	2.3000
14.70	0.0000	0.0000	1.1000	2.2000	2.2000
14.90	0.0000	0.0000	0.9300	1.9000	1.9000
15.10	0.0000	0.0000	0.8400	1.7000	1.7000
15.30	0.0006	0.0000	0.0000	1.9000	1.9000
15.50	0.0000	0.0000	0.0000	2.0000	2.0000

**Sample Identification: 17.5 to 19.0, sample # 5**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
17.50	0.0000	0.7600	0.0000	2.3000	0.0000
17.71	0.0000	0.0000	0.0000	2.4000	2.4000
17.93	0.0000	0.0000	0.0000	2.6000	2.6000
18.14	0.0000	0.3900	0.2300	2.6000	0.0000
18.36	0.0000	0.8500	0.0900	2.7000	0.0000
18.57	0.0000	1.0100	0.0000	3.0000	0.0000
18.79	0.0000	0.8700	0.0000	2.6000	0.0000
19.00	0.0000	0.9400	0.0000	2.8000	0.0000

**Sample Identification: 22.5 to 24.0**

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
22.50	0.0000	0.3900	0.6700	2.5000	0.0000
22.71	0.0000	0.3200	0.8200	2.6000	0.0000
22.93	0.0000	0.4900	0.7000	2.9000	0.0000
23.14	0.0000	0.8100	0.0700	2.6000	0.0000
23.36	0.0000	0.7200	0.1200	2.4000	0.0000
23.57	0.0000	0.6300	0.2500	2.4000	0.0000
23.79	0.0000	0.4300	0.3800	2.1000	0.0000
24.00	0.0000	0.4300	0.3000	1.9000	0.0000

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Sample Identification: 27.5 to 30.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
27.50	0.0000	0.4200	0.0000	1.3000	0.0000
27.69	0.0000	0.4900	0.0000	1.1000	0.0000
27.88	0.0000	0.5200	0.0000	1.1000	0.0000
28.06	0.0000	0.3300	0.1300	1.2000	0.0000
28.25	0.0000	0.4000	0.1400	1.2000	0.0000
28.44	0.0000	0.5000	0.0000	1.5000	0.0000
28.63	0.0000	0.6000	0.0000	1.8000	0.0000
28.81	0.0000	0.5600	0.0000	1.7000	0.0000
29.00	0.0017	0.0000	0.0000	1.7000	1.7000
29.19	0.0019	0.0000	0.0000	1.9000	1.9000
29.38	0.0009	0.0000	0.0000	2.2000	2.2000
29.56	0.0000	0.0000	0.0000	2.7000	2.7000
29.75	0.0000	0.0000	0.0000	2.2000	2.2000
29.94	0.0000	0.0700	0.0600	2.1000	1.5000
30.13	0.0000	0.2400	0.0600	1.9000	0.0000
30.31	0.0000	0.3900	0.4900	2.1000	0.0000
30.50	0.0000	0.5700	0.1200	2.0000	0.0000

Sample Identification: 32.5 to 33.5, sample # 7

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
32.50	0.0000	0.2700	0.5600	1.2000	0.0000
32.75	0.0000	0.2700	0.4700	1.5000	0.0000
33.00	0.0000	0.4200	0.5100	2.0000	0.0000
33.25	0.0000	0.6800	0.5600	2.7000	0.0000
33.50	0.0000	0.8700	0.2600	2.6000	0.0000

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Sample Identification: 5.5 to 8.5, sample # 1

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
5.50	0.0000	0.0000	0.0000	2.8000	2.8000
5.69	0.0001	0.0000	0.0000	3.0000	3.0000
5.88	0.0000	0.0000	0.0000	2.9000	2.9000
6.06	0.0000	0.0000	0.0000	2.7000	2.7000
6.25	0.0000	0.0000	0.0300	2.4000	2.4000
6.44	0.0000	0.0000	0.0000	2.6000	2.6000
6.63	0.0000	0.0000	0.0000	2.4000	2.4000
6.81	0.0000	0.8000	0.0000	2.4000	0.0000
7.00	0.0000	0.6900	0.0000	2.1000	0.0000
7.19	0.0013	0.1500	0.0000	1.8000	0.3000
7.38	0.0013	0.0000	0.0000	1.8000	1.8000
7.56	0.0016	0.0000	0.0000	1.6000	1.6000
7.75	0.0016	0.0000	0.0000	1.9000	1.9000
7.94	0.0001	0.0000	0.0000	2.2000	2.2000
8.13	0.0003	0.0000	0.0000	2.5000	2.5000
8.31	0.0000	0.3100	0.0000	3.0000	0.0000
8.50	0.0000	0.0000	0.0000	3.2000	3.2000

Sample Identification: 9.0 to 13.0, sample # 2 and # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
9.00	0.0000	0.0000	0.0000	2.8000	2.8000
9.20	0.0000	0.0000	0.0000	2.8000	2.8000
9.40	0.0000	0.0000	0.0000	3.1000	3.1000
9.60	0.0000	0.2200	0.0000	3.4000	1.4000
9.80	0.0000	1.1000	0.0000	3.3000	0.0000
10.00	0.0000	1.1300	0.0000	3.4000	0.0000
10.20	0.0000	0.0300	0.0000	3.4000	3.1000
10.40	0.0000	1.1400	0.0000	3.4000	0.0000
10.60	0.0000	1.1200	0.0000	3.4000	0.0000
10.80	0.0000	0.1700	0.0000	3.2000	1.5000
11.00	0.0000	1.0000	0.0000	3.0000	0.0000
11.20	0.0000	0.5000	0.0000	2.9000	0.0000
11.40	0.0000	0.9500	0.0000	2.8000	0.0000
11.60	0.0000	0.8600	0.0000	3.5000	0.0000
11.80	0.0000	0.0200	0.0000	3.5000	3.3000
12.00	0.0000	0.5400	0.0000	3.4000	0.0000
12.20	0.0000	0.7300	0.0000	3.2000	0.0000
12.40	0.0000	1.0200	0.0400	3.1000	0.0000
12.60	0.0000	0.3900	0.9800	3.1000	0.0000

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12.80	0.0000	0.3000	1.0100	2.9000	0.4000
13.00	0.0000	0.6800	0.5800	3.2000	0.0000

Sample Identification: 14.0 to 17.0, sample # 5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
14.00	0.0000	0.9000	0.0000	2.7000	0.0000
14.20	0.0000	0.8800	0.0000	2.6000	0.0000
14.40	0.0000	0.9900	0.0000	3.0000	0.0000
14.60	0.0000	0.9200	0.0000	2.8000	0.0000
14.80	0.0000	0.8400	0.1400	2.8000	0.0000
15.00	0.0000	0.8500	0.0000	3.1000	0.0000
15.20	0.0000	0.6800	0.0300	3.0000	0.0000
15.40	0.0000	0.6600	0.1500	2.3000	0.0000
15.60	0.0000	0.0000	1.1000	2.2000	2.2000
15.80	0.0000	0.0000	1.1200	2.3000	2.3000
16.00	0.0000	0.0000	1.2000	2.4000	2.4000
16.20	0.0000	0.0000	1.1300	2.3000	2.3000
16.40	0.0000	0.0000	1.0100	2.0000	2.0000
16.60	0.0017	0.0000	0.0700	2.0000	2.0000
16.80	0.0017	0.0000	0.0000	1.7000	1.7000
17.00	0.0014	0.2400	0.0000	2.1000	0.3000

Sample Identification: 19.0 to 21.0, sample # 6

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
19.00	0.0000	0.7800	0.0000	2.2000	0.0000
19.20	0.0000	0.9500	0.0900	1.9000	0.0000
19.40	0.0000	0.8300	0.3000	1.8000	0.0000
19.60	0.0000	0.6600	0.2200	1.7000	0.0000
19.80	0.0000	0.1900	0.3500	1.1000	0.0000
20.00	0.0000	0.0000	0.6100	1.2000	1.2000
20.20	0.0000	0.0100	0.5500	1.1000	1.0000
20.40	0.0000	0.0000	0.6000	1.2000	1.2000
20.60	0.0000	0.0000	0.4400	1.9000	1.9000
20.80	0.0000	0.0000	0.5100	1.0000	1.0000
21.00	0.0000	0.0000	0.0100	1.2000	1.2000

Sample Identification: 24.0 to 27.0

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
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24.00	0.0000	0.7900	0.0000	2.4000	0.0000
24.20	0.0000	0.7100	0.0000	2.1000	0.0000
24.40	0.0000	0.2000	0.0000	2.0000	0.2000
24.60	0.0000	0.3700	0.0000	2.4000	0.0000
24.80	0.0000	0.3700	0.0000	2.6000	0.0000
25.00	0.0000	0.9600	0.0000	2.9000	0.0000
25.20	0.0000	0.9400	0.0000	2.8000	0.0000
25.40	0.0000	0.7300	0.0000	2.8000	0.0000
25.60	0.0000	0.7400	0.0000	2.8000	0.0000
25.80	0.0000	0.0000	0.0000	2.7000	2.7000
26.00	0.0000	0.0000	0.0000	2.9000	2.9000
26.20	0.0000	0.0000	0.0000	2.4000	2.4000
26.40	0.0023	0.0000	0.0000	2.3000	2.3000
26.60	0.0023	0.0000	0.0000	2.3000	2.3000
26.80	0.0011	0.5500	0.0000	2.7000	0.0000
27.00	0.0006	0.6800	0.0000	2.6000	0.0000

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Sample Identification: 5.5 to 9.0, sample # 1 and # 2

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
5.50	0.0000	0.4100	0.4600	2.1000	0.0000
5.69	0.0000	0.7500	0.0000	2.3000	0.0000
5.89	0.0000	0.0000	0.0000	2.4000	2.4000
6.08	0.0000	0.0000	0.0000	2.5000	2.5000
6.28	0.0000	0.0000	0.0000	2.8000	2.8000
6.47	0.0000	0.0000	0.0000	3.0000	3.0000
6.67	0.0000	0.0000	0.0000	3.2000	3.2000
6.86	0.0000	0.0000	0.0000	3.2000	3.2000
7.06	0.0000	0.0000	0.7000	3.3000	3.3000
7.25	0.0000	0.0000	0.7000	3.4000	3.4000
7.44	0.0000	0.0000	0.0000	3.4000	3.4000
7.64	0.0000	0.8000	0.2200	2.8000	0.0000
7.83	0.0000	0.0000	0.0000	2.6000	2.6000
8.03	0.0000	0.8000	0.0000	2.4000	0.0000
8.22	0.0000	0.3100	0.0000	2.6000	0.3000
8.42	0.0000	0.0000	0.0000	2.5000	2.5000
8.61	0.0000	0.0000	0.0900	2.4000	2.4000
8.81	0.0000	0.0000	0.0000	2.2000	2.2000
9.00	0.0000	0.0000	0.5200	2.5000	2.5000

Sample Identification: 9.0 to 12.0, sample # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
9.00	0.0000	0.3200	0.0000	2.5000	0.0000
9.20	0.0000	0.0000	0.0200	2.4000	2.4000
9.40	0.0000	0.0000	1.3900	2.8000	2.8000
9.60	0.0000	0.0000	1.5200	3.1000	3.1000
9.80	0.0000	0.0000	1.4900	3.0000	3.0000
10.00	0.0000	0.0000	1.5600	3.1000	3.1000
10.20	0.0000	0.0000	1.2900	2.6000	2.6000
10.40	0.0000	0.0000	1.2700	2.5000	2.5000
10.60	0.0000	0.0000	1.2200	2.4000	2.4000
10.80	0.0000	0.0000	1.2000	2.4000	2.4000
11.00	0.0000	0.0000	1.4000	2.8000	2.8000
11.20	0.0000	0.0000	0.6700	2.2000	2.2000
11.40	0.0000	0.0000	0.2400	3.0000	3.0000
11.60	0.0000	0.0000	0.0000	3.1000	3.1000
11.80	0.0000	0.0000	0.0000	3.7000	3.7000
12.00	0.0000	0.0000	0.0000	3.1000	3.1000

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Sample Identification: 12.5 to 15.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
12.50	0.0000	0.0000	0.0000	2.3000	2.3000
12.69	0.0000	0.7500	0.0000	2.3000	0.0000
12.88	0.0000	1.0600	0.0000	3.2000	0.0000
13.08	0.0000	0.9600	0.0000	2.9000	0.0000
13.27	0.0000	0.9100	0.0000	2.7000	0.0000
13.46	0.0000	0.8400	0.0000	2.5000	0.0000
13.65	0.0000	0.8700	0.0000	2.6000	0.0000
13.85	0.0000	0.9600	0.0000	2.9000	0.0000
14.04	0.0000	0.0000	1.3000	2.6000	2.6000
14.23	0.0000	0.0000	1.1600	2.3000	2.3000
14.42	0.0000	0.0000	0.4500	2.5000	2.5000
14.62	0.0000	0.0000	0.0000	2.5000	2.5000
14.81	0.0000	0.0000	0.0000	2.8000	2.8000
15.00	0.0000	0.0000	0.0000	2.7000	2.7000

Sample Identification: 17.5 to 18.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
17.50	0.0000	0.0000	0.0000	1.7000	1.7000
17.75	0.0000	0.0000	0.9800	2.0000	2.0000
18.00	0.0000	0.0000	0.1900	2.2000	2.2000
18.25	0.0000	0.0000	1.1100	2.2000	2.2000
18.50	0.0000	0.0300	1.1900	2.5000	2.1000

Sample Identification: 21.5 to 26.5, sample # 4, # 5 and # 6

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
21.50	0.0000	0.3100	0.6600	2.2000	0.0000
21.69	0.0000	0.5400	0.2000	2.0000	0.0000
21.87	0.0000	0.4600	0.3400	2.0000	0.0000
22.06	0.0001	0.6100	0.0000	2.0000	0.0000
22.24	0.0006	0.5200	0.0100	1.9000	0.0000
22.43	0.0003	0.6500	0.0000	2.3000	0.0000
22.61	0.0000	0.7400	0.0000	2.2000	0.0000
22.80	0.0000	0.8600	0.0000	2.6000	0.0000
22.98	0.0000	1.0000	0.0000	3.0000	0.0000
23.17	0.0000	0.9900	0.0000	3.0000	0.0000
23.35	0.0000	0.5900	0.0000	2.8000	0.0000

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23.54	0.0000	0.2400	0.0000	2.9000	0.9000
23.72	0.0000	0.0000	0.0000	3.1000	3.1000
23.91	0.0000	0.0000	0.0000	2.7000	2.7000
24.09	0.0000	0.0000	0.0000	2.2000	2.2000
24.28	0.0002	0.0000	0.0000	2.2000	2.2000
24.46	0.0013	0.0000	0.0000	2.2000	2.2000
24.65	0.0017	0.0000	0.0000	2.4000	2.4000
24.83	0.0023	0.0000	0.0000	2.3000	2.3000
25.02	0.0004	0.0000	0.0000	2.1000	2.1000
25.20	0.0000	0.4000	0.0000	2.2000	0.0000
25.39	0.0000	0.0000	0.2600	2.2000	2.2000
25.57	0.0000	0.0000	0.2600	2.2000	2.2000
25.76	0.0000	0.0000	0.4700	2.0000	2.0000
25.94	0.0000	0.0000	0.0000	2.1000	2.1000
26.13	0.0000	0.0000	0.2500	2.0000	2.0000
26.31	0.0000	0.0000	0.6800	2.2000	2.2000
26.50	0.0000	0.0000	0.9500	1.9000	1.9000

Sample Identification: 26.5 to 28.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
26.50	0.0000	0.0000	0.2200	2.8000	2.8000
26.70	0.0000	0.0000	1.2900	2.9000	2.9000
26.90	0.0000	0.0000	1.0700	2.9000	2.9000
27.10	0.0000	0.0100	1.0700	3.2000	3.1000
27.30	0.0000	0.9700	0.0000	2.9000	0.0000
27.50	0.0000	1.0300	0.0000	3.1000	0.0000
27.70	0.0000	0.7600	0.1200	2.5000	0.0000
27.90	0.0000	0.8300	0.0000	2.5000	0.0000
28.10	0.0000	0.9500	0.0000	2.8000	0.0000
28.30	0.0000	0.2900	0.0000	2.7000	0.0000
28.50	0.0000	0.8100	0.0000	2.4000	0.0000

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Sample Identification: 8.5 to 10.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
8.50	0.0000	0.3800	0.0000	2.1000	0.0000
8.70	0.0000	0.6300	0.0000	1.9000	0.0000
8.90	0.0000	0.5200	0.0000	1.5000	0.0000
9.10	0.0000	0.0000	0.0000	1.7000	1.7000
9.30	0.0000	0.0000	0.0000	1.8000	1.8000
9.50	0.0000	0.0000	0.0000	1.5000	1.5000
9.70	0.0000	0.0000	0.0000	1.3000	1.3000
9.90	0.0000	0.0000	0.5300	1.1000	1.1000
10.10	0.0000	0.0000	0.7200	1.4000	1.4000
10.30	0.0000	0.0000	0.0000	1.4000	1.4000
10.50	0.0000	0.0500	0.0000	1.4000	0.8000

Sample Identification: 12.5 to 16.0, sample # 1 and # 2

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
12.50	0.0000	0.4000	0.0000	1.9000	0.0000
12.69	0.0000	0.0000	0.0000	2.4000	2.4000
12.89	0.0000	0.9100	0.0000	2.8000	0.0000
13.08	0.0000	0.9300	0.0000	2.8000	0.0000
13.28	0.0000	0.9400	0.0000	2.8000	0.0000
13.47	0.0000	1.0000	0.0000	3.0000	0.0000
13.67	0.0000	0.7800	0.0000	2.3000	0.0000
13.86	0.0000	0.6900	0.0000	1.9000	0.0000
14.06	0.0000	0.9000	0.0000	1.8000	0.0000
14.25	0.0000	0.9300	0.0000	1.5000	0.0000
14.44	0.0000	1.1000	0.0000	1.1000	0.0000
14.64	0.0000	1.2400	0.0000	1.0000	0.0000
14.83	0.0000	0.9700	0.0000	1.2000	0.0000
15.03	0.0000	0.8600	0.0000	1.3000	0.0000
15.22	0.0001	0.9000	0.0000	1.3000	0.0000
15.42	0.0002	0.6600	0.0000	1.5000	0.0000
15.61	0.0000	0.6300	0.0000	1.9000	0.0000
15.81	0.0000	0.6200	0.0000	1.9000	0.0000
16.00	0.0000	0.6200	0.0000	1.8000	0.0000

Sample Identification: 16.5 to 17.5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE
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16.50	0.0000	0.2300	0.7100	2.1000	(API) 0.4000
16.75	0.0000	0.2000	0.5000	1.6000	0.1000
17.00	0.0000	0.1400	0.7000	1.7000	0.6000
17.25	0.0000	0.0000	0.7100	1.4000	1.4000
17.50	0.0000	0.0000	0.5600	1.1000	1.1000

Sample Identification: 18.5 to 20.5, sample # 3

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
18.50	0.0000	0.4500	0.1900	1.7000	0.0000
18.70	0.0000	0.6300	0.0000	1.9000	0.0000
18.90	0.0000	0.6100	0.0000	1.8000	0.0000
19.10	0.0000	0.6200	0.0000	1.9000	0.0000
19.30	0.0000	0.5500	0.0400	1.7000	0.0000
19.50	0.0005	0.5000	0.0000	2.0000	0.0000
19.70	0.0000	0.5700	0.0000	1.7000	0.0000
19.90	0.0001	0.3600	0.1200	1.4000	0.0000
20.10	0.0001	0.2500	0.2400	1.3000	0.0000
20.30	0.0000	0.4100	0.2300	1.5000	0.0000
20.50	0.0000	0.3400	0.3500	1.7000	0.0000

Sample Identification: 21.0 to 26.0, sample # 4

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
21.00	0.0000	0.4800	0.0000	2.2000	0.0000
21.19	0.0000	0.3100	0.0000	2.1000	0.0000
21.38	0.0000	0.4300	0.1100	1.5000	0.0000
21.58	0.0000	0.1300	0.5200	1.4000	0.4000
21.77	0.0000	0.3000	0.3200	1.5000	0.0000
21.96	0.0000	0.3400	0.4900	1.1000	0.0000
22.15	0.0000	0.4000	0.5700	1.4000	0.0000
22.35	0.0000	0.0800	0.6200	1.2000	0.6000
22.54	0.0000	0.3400	0.2000	1.4000	0.0000
22.73	0.0000	0.5900	0.0000	1.8000	0.0000
22.92	0.0000	0.5700	0.0000	1.7000	0.0000
23.12	0.0000	0.5800	0.0000	1.7000	0.0000
23.31	0.0000	0.4800	0.0000	1.4000	0.0000
23.50	0.0000	0.6100	0.0000	1.8000	0.0000
23.69	0.0000	0.6500	0.0000	2.0000	0.0000
23.88	0.0000	0.5900	0.0000	1.8000	0.0000
24.08	0.0000	0.5800	0.0000	1.5000	0.0000
24.27	0.0000	0.5400	0.0000	1.4000	0.0000
24.46	0.0000	0.6100	0.0000	1.8000	0.0000

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24.65	0.0000	0.6100	0.0000	1.8000	0.0000
24.85	0.0007	0.3700	0.0000	1.8000	0.0000
25.04	0.0004	0.0000	0.0000	2.3000	2.3000
25.23	0.0008	0.5900	0.0000	2.6000	0.0000
25.42	0.0000	0.9100	0.0000	2.7000	0.0000
25.62	0.0000	0.7900	0.0000	2.4000	0.0000
25.81	0.0000	0.7200	0.0000	2.2000	0.0000
26.00	0.0000	0.6600	0.0000	1.9000	0.0000

Sample Identification: 26.0 to 27.5, sample # 5

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
26.00	0.0000	0.7500	0.0000	2.3000	0.0000
26.21	0.0000	0.5300	0.0000	1.2000	0.0000
26.43	0.0000	0.4300	0.0000	1.3000	0.0000
26.64	0.0000	0.7000	0.0000	2.1000	0.0000
26.86	0.0000	0.6000	0.0000	2.3000	0.0000
27.07	0.0000	0.4200	0.0000	2.5000	0.0000
27.29	0.0000	0.0000	0.0000	2.9000	2.9000
27.50	0.0009	0.0000	0.0000	2.9000	2.9000

Sample Identification: 30.0 to 32.0, sample # 6

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
30.00	0.0000	0.0000	0.2600	1.4000	1.4000
30.20	0.0000	0.5600	0.0000	1.7000	0.0000
30.40	0.0000	0.1700	0.7100	1.9000	0.4000
30.60	0.0000	0.0000	1.0700	2.1000	2.1000
30.80	0.0000	0.0000	0.6900	2.3000	2.3000
31.00	0.0000	0.0000	1.1400	2.3000	2.3000
31.20	0.0000	0.4600	0.4500	2.3000	0.0000
31.40	0.0000	0.8500	0.0000	2.5000	0.0000
31.60	0.0000	0.8600	0.0000	2.6000	0.0000
31.80	0.0000	0.9000	0.0100	2.4000	0.0000
32.00	0.0000	0.9400	0.0000	2.1000	0.0000

Sample Identification: 32.0 to 35.0, sample # 7

DEPTH (ft)	POTASSIUM (%/100)	URANIUM (ppm)	THORIUM (ppm)	TOTAL (API)	TOTAL URANIUM FREE (API)
32.00	0.0000	0.2300	0.4900	3.3000	1.5000
32.20	0.0000	0.0000	0.0000	3.2000	3.2000

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32.40	0.0000	0.0000	0.0000	3.3000	3.3000
32.60	0.0000	0.0000	0.0000	3.5000	3.5000
32.80	0.0000	0.4300	0.0000	2.9000	0.0000
33.00	0.0000	0.7700	0.0000	2.3000	0.0000
33.20	0.0000	0.8500	0.0000	2.5000	0.0000
33.40	0.0000	0.6500	0.0700	2.1000	0.0000
33.60	0.0000	0.8400	0.0000	2.2000	0.0000
33.80	0.0000	0.8800	0.0000	2.6000	0.0000
34.00	0.0000	0.7600	0.0000	2.3000	0.0000
34.20	0.0000	0.7500	0.0000	2.3000	0.0000
34.40	0.0000	0.7500	0.0000	2.2000	0.0000
34.60	0.0000	0.7300	0.0000	2.1000	0.0000
34.80	0.0000	0.5900	0.1800	1.7000	0.0000
35.00	0.0000	0.7900	0.1800	1.5000	0.0000