

**ATTACHMENT A:
GEOPHYSICAL
LOGS FROM THE
2016 USGS SSE**

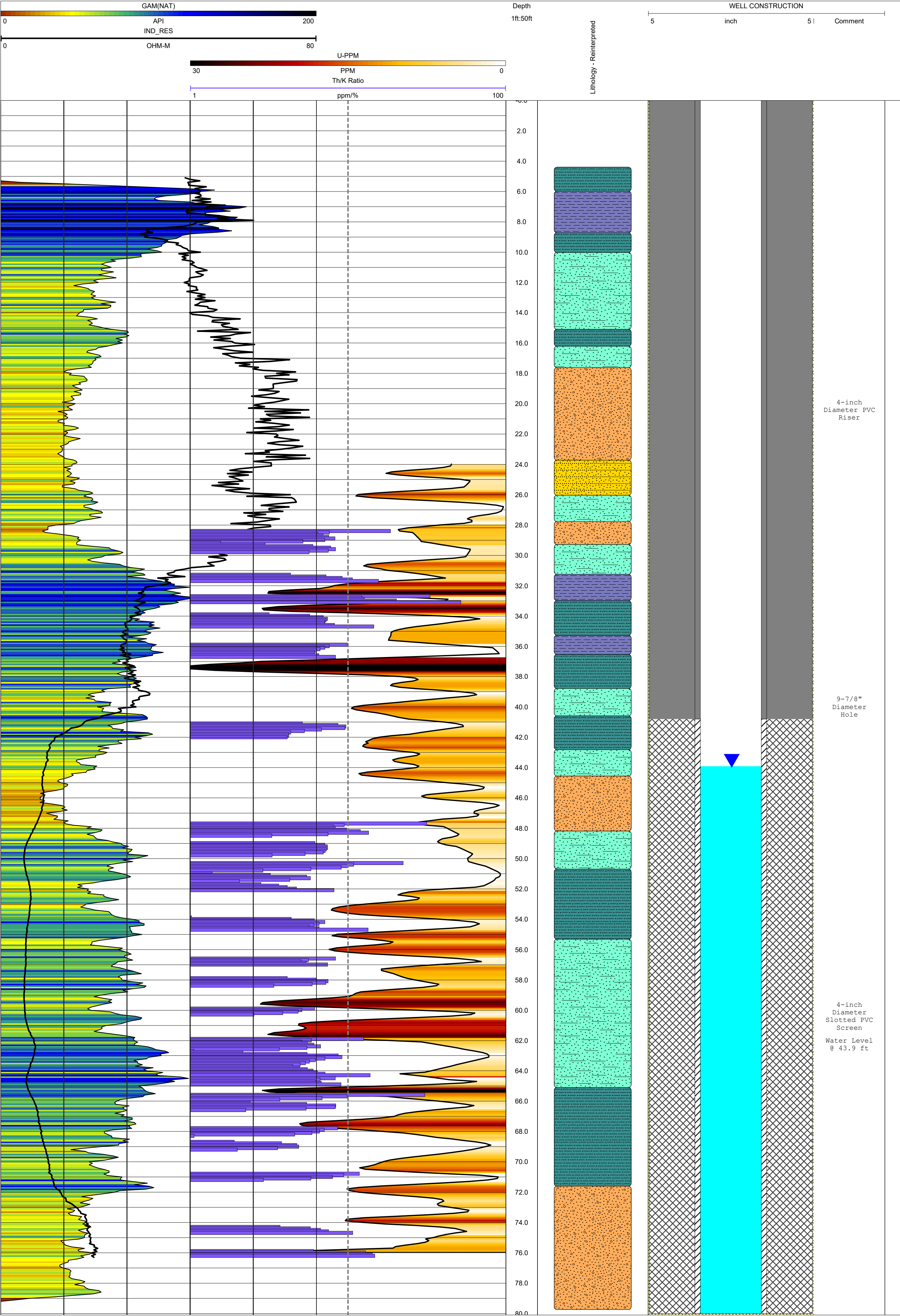


ARCADIS

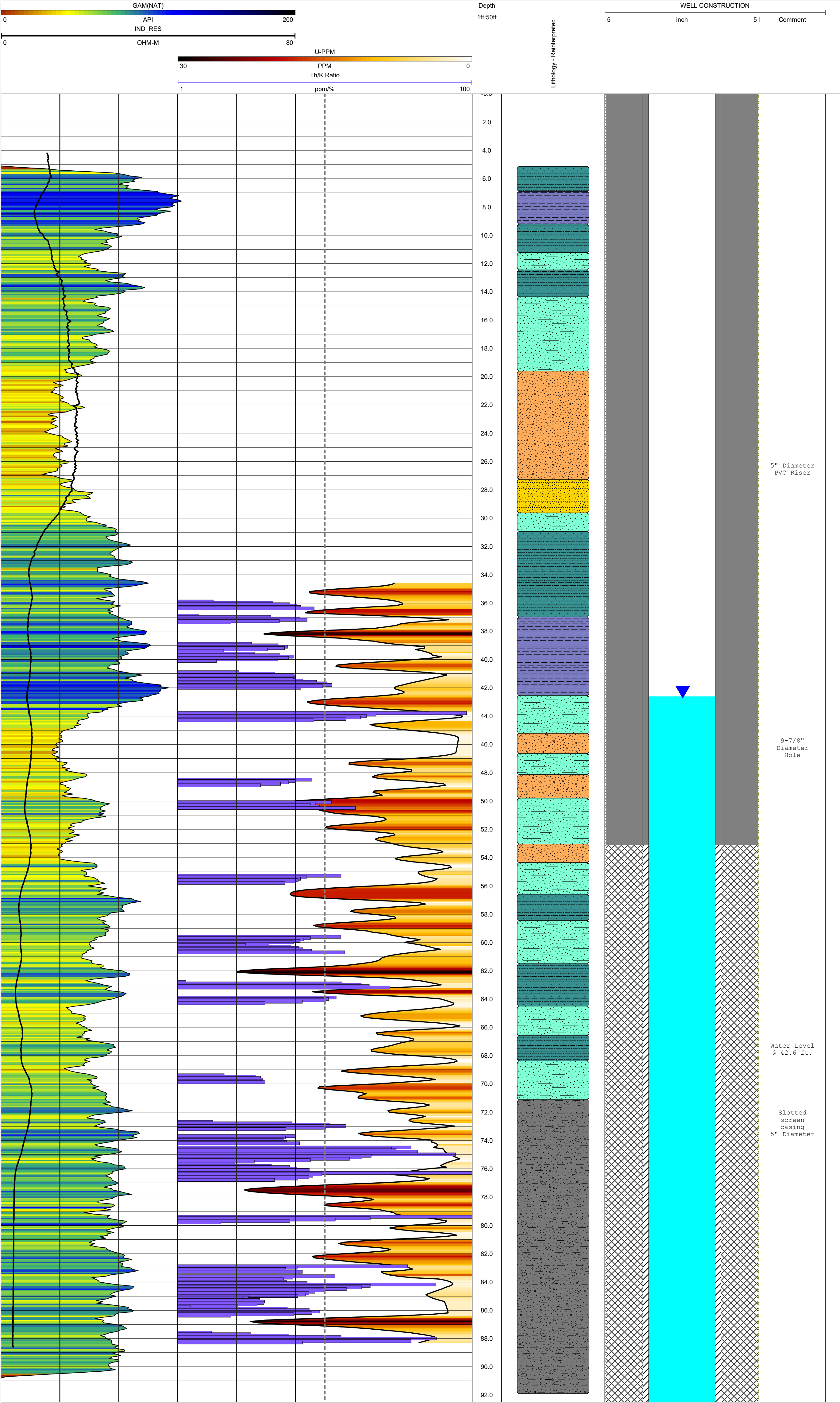
Design & Consultancy
for natural and built assets

GEOPHYSICAL LOG INTERPRETATION

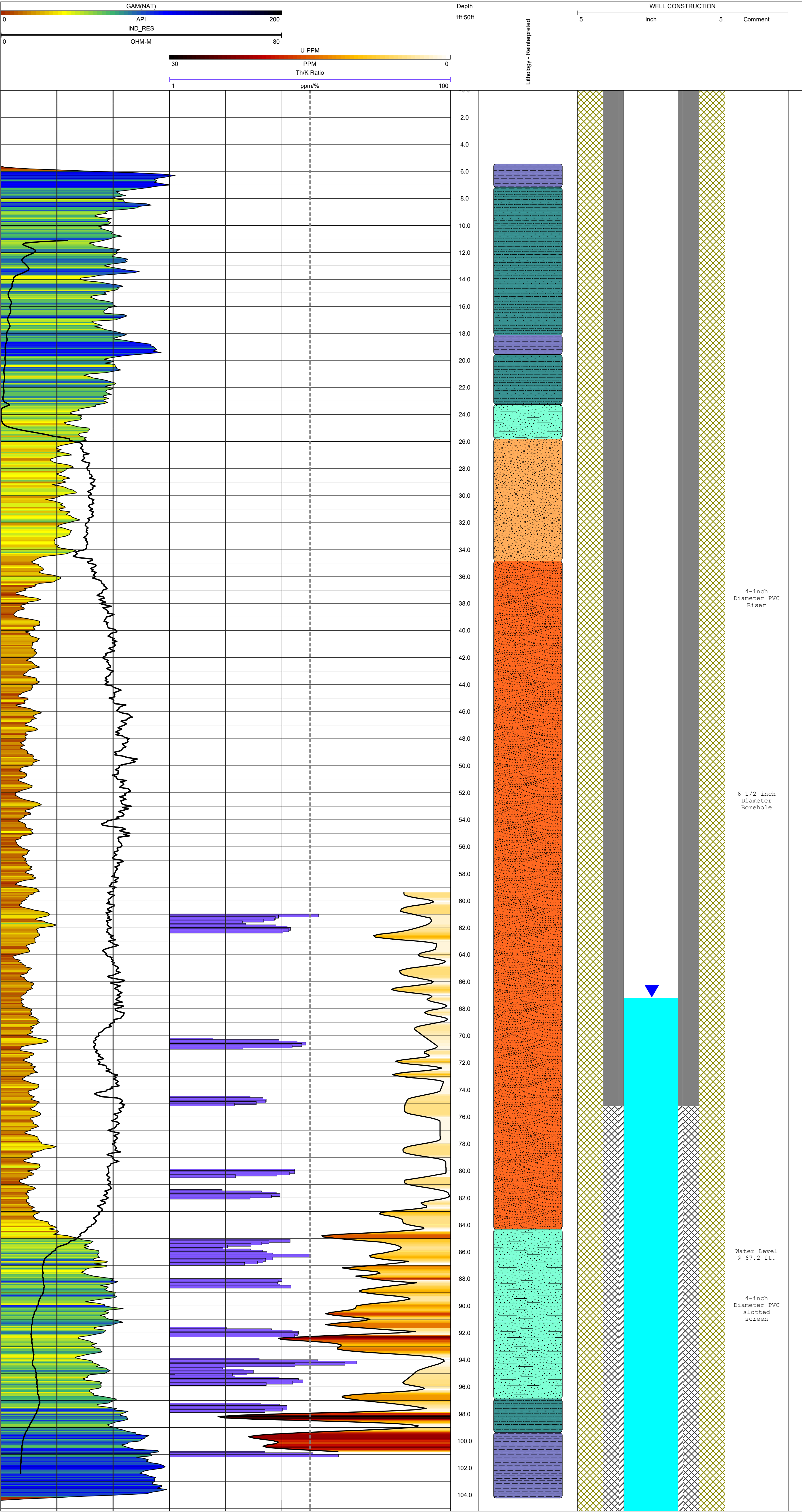
<div>Well Name:</div>	WELL DD	<div>Drilling Company:</div>		<div>Well Owner:</div>	HOMESTAKE MINING COMPANY	<div>Comment:</div>	
<div>Project Location:</div>	Grants Reclamation Project	<div>State:</div>	NEW MEXICO	<div>Country:</div>			Revised 10-2-2017. Shifted U-ppm and Th:K Ratio data upward 3.21 feet due to depth error
<div>Survey Date:</div>	10-August-16	<div>Calc. Method:</div>		<div>Diagram Type:</div>			
<div>Operator:</div>	USGS	<div>Tools:</div>		<div>Comment:</div>	PROCESSED WITH WELLCAD VER. 5.2		
<div>Total MD:</div>		<div>Tools:</div>		<div>Comment:</div>	8/14/2017		



GEOPHYSICAL LOG INTERPRETATION				
<div><div><div>ARCADIS</div><div>Design & Consultancy for natural and built assets</div></div></div>				
Well Name:	WELL DD2	Drilling Company:	Well Owner:	Comment:
Project Location:	Grants Reclamation Project	State:	COUNTRY:	Revised 10-2-2017. Shifted U-ppm and Th/K Ratio data upward 3.21 feet due to depth error
Survey Date:	12-August-16	Calc. Method:	Diagram Type:	
Operator:	USGS	Tools:	Comment:	
Total MD:		Tools:	Comment:	

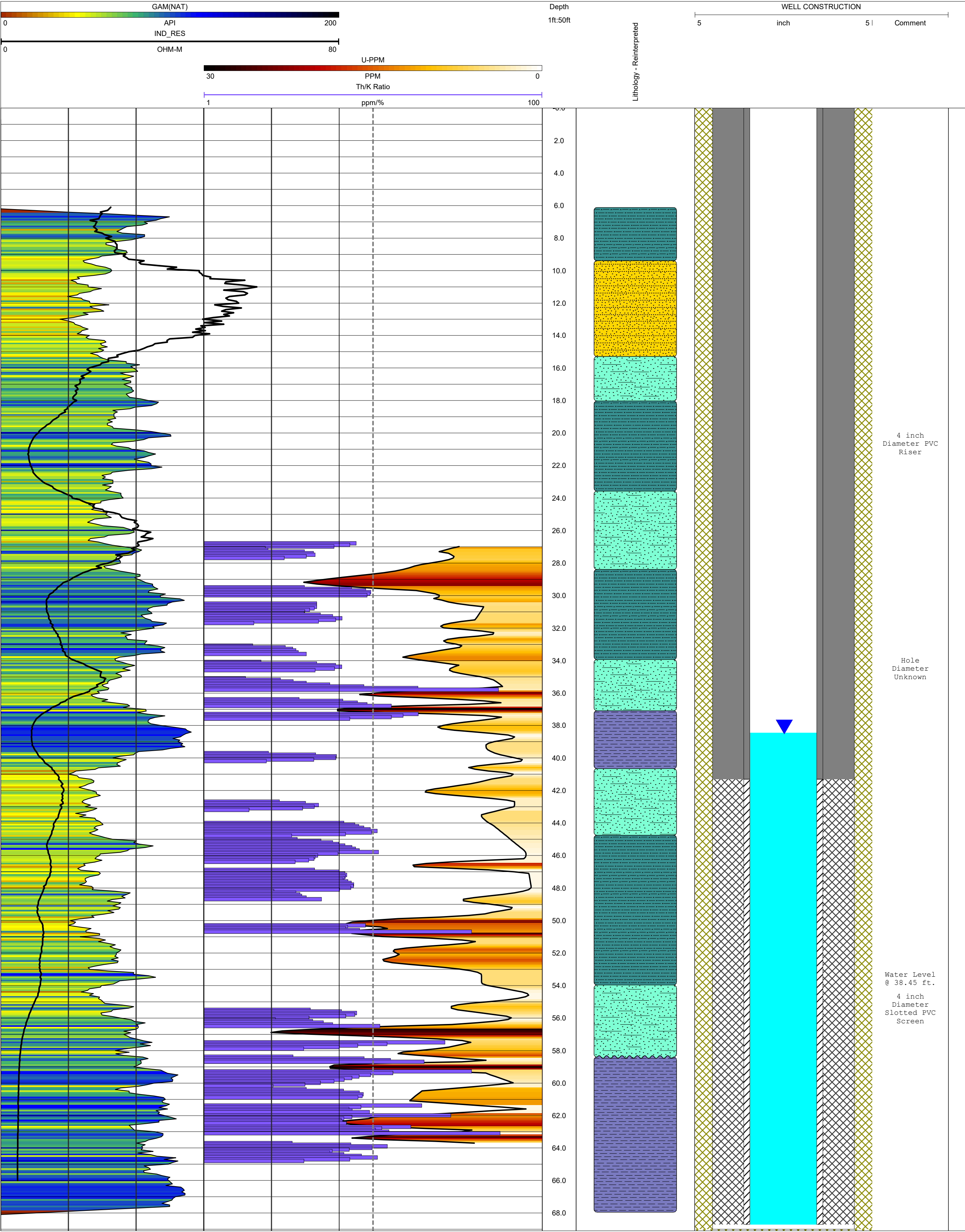


GEOPHYSICAL LOG INTERPRETATION				
Well Name:	WELL MV	Drilling Company:	HOMESTAKE MINING COMPANY	
Project Location:	Grants Reclamation Project	State:	NEW MEXICO	
Survey Date:	08-August-2016	Calc. Method:	Country:	
Operator:	USGS	Tools:	Diagram Type:	
Total MD:		Comment:	PROCESSED WITH WELLCAD VER. 5.2	
		Comment:	8/15/2017	



GEOPHYSICAL LOG INTERPRETATION

Well Name:	WELL ND	Drilling Company:		Well Owner:	HOMESTAKE MINING COMPANY	Comment:	
Project Location:	Grants Reclamation Project	State:	NEW MEXICO	Country:		Revised 10-2-2017: Shifted U-ppm and Th;K Ratio data upward 3.21 feet due to depth error	
Survey Date:	09-August-16	Calc. Method:		Diagram Type:			
Operator:	USGS	Tools:		Comment:	PROCESSED WITH WELLCAD VER. 5.2		
Total MD:		Tools:		Comment:	8/15/2017		



This figure is a detailed well log and construction diagram for a well. It displays various geophysical and lithological data against depth (ft. 50ft).

Geophysical Data (Left):

- GAM(NAT):** Gamma Ray Attenuation Coefficient (Natural).
- API:** API Index.
- IND_RES:** Induced Resistance.
- OHM-M:** Ohm-Meters.
- U-PPM:** Uranium concentration in PPM.
- PPM:** Potassium concentration in PPM.
- Th/K Ratio:** Thorium to Potassium ratio.
- ppm/%:** PPM to percentage conversion factor.

Depth (ft. 50ft): The vertical axis represents depth in feet, ranging from 0 to 100.0.

Lithology - Reinterpreted#2 (Center): A column showing the interpreted lithology of the well, color-coded and patterned to represent different rock types.

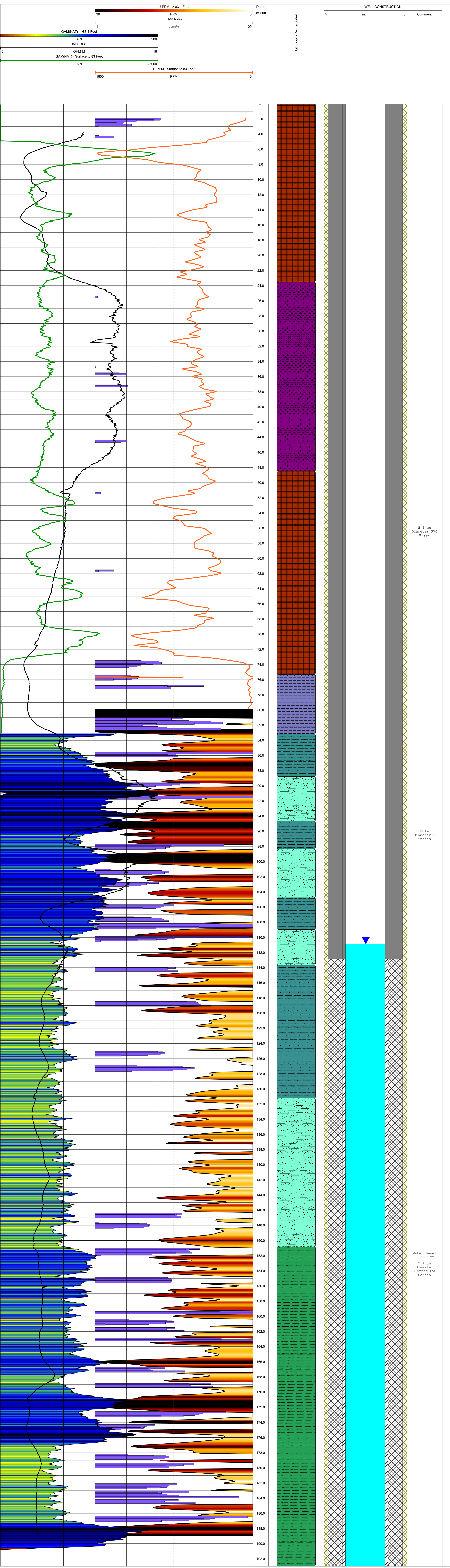
Well Construction (Right): A diagram showing the physical construction of the well, including the casing, riser, and screen.

Water Level: The water level is indicated by a blue triangle at approximately 41.2 ft.

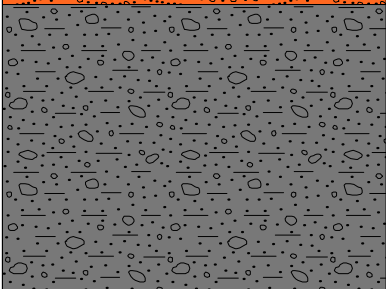
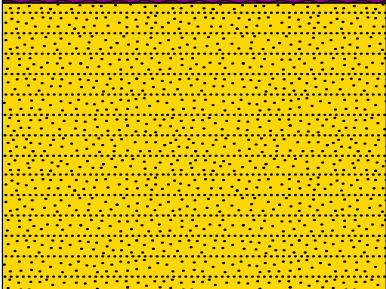
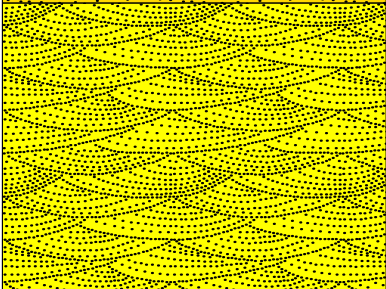
Comments: Additional notes regarding the well construction and data interpretation.

The figure is a vertical well log and construction diagram. The left side contains several tracks of geophysical data: GAM(NAT), API, IND_RES, OHM-M, U-PPM, PPM, Th/K Ratio, and ppm/%. These are plotted against depth in feet, ranging from 0 to 100.0. The center of the figure shows a lithology column with various patterns and colors representing different rock types. To the right of the lithology is a well construction diagram showing the casing, riser, and screen. A blue triangle indicates the water level at approximately 41.2 ft. The rightmost column contains comments, including '4-inch Diameter PVC riser', '8-3/4 inch Diameter Hole', 'Water Level @ 41.2 ft.', and '4-inch Diameter PVC Slotted Screen'.

ARCADIS <small>Design Consultants for natural and built assets</small>				GEOPHYSICAL LOG INTERPRETATION	
Well Name:	WELL T11	Drilling Company:		Well Owner:	HOMESTAKE MINING COMPANY
Project Location:	Grants Reclamation Project	State:	NEW MEXICO	Country:	
Survey Date:	13-August-2016	Calc. Method:		Diagram Type:	
Operator:	USGS	Tools:		Comment:	PROCESSED WITH WELLCAD VER. 3.2
Total MD:		Tools:		Comment:	8/16/2017
				Comment:	Revised 10-2-2017. Shifted Uppm and Th/K Ratio data upward 3.21 feet due to depth error. Revised 10-24-2017. Revised fit patterns to reflect coarse vs. fine conditions.



Lithologic Key for Geophysical Logs

Pattern/Color	Description
	Well Graded Sand or Gravel (GW/SW)
	Well Sorted Sand and Gravel (SP/GP)
	Clayey Gravel (GC)
	Fine Grained Fill
	Coarse Grained Fill
	Well Sorted Fine Sand (SP)
	Well Sorted Coarse Sand (SP)
	Clayey/Silty Sand (SC/SM)
	Chinle Shale Unit
	Sandy Clay (SP-CL)
	Clay (CL)