

Appendix C

Boring Logs

Elevation (feet) Depth (feet)	Material Description	Graphic Log	USCS	Sample Number & Type	Field and Laboratory Data				Well Construction Detail and Drilling Remarks
					Dry	Moist	Wet	Saturated	
					Moisture				
					● PID		SPT (N-Value)		
							50	100	
0	OPEN WATER								
300									
5									
295									
10									
290									
15									
285									
20									
280									
25									
275									
30									
270									
35									
265									
40									
260									
45									
255									

Date Drilling Started	12/18/06	State Well ID	NA	Location	Northwestern Lake
Drilling Method	Direct Push Probe	Hammer Drop System	N.A.	Driller	Boart Longyear
Drill Rig Type	Track	Hammer Drop Length (in.)	N.A.	Wt. Drive Hammer (lbs.)	N.A.
Logged By	S. Shoemaker	Total Depth (ft)	108.0	Borehole Diameter (in.)	4
Surface Elevation (ft)	302.6	Elevation Datum	NAVD 88	Station (ft):	NA
				Offset (ft):	NA
				Coordinates:	N 45.8 E 121.5

NOTE: Lines representing the interface between soil/rock units of differing description are approximate only and may indicate gradual transition

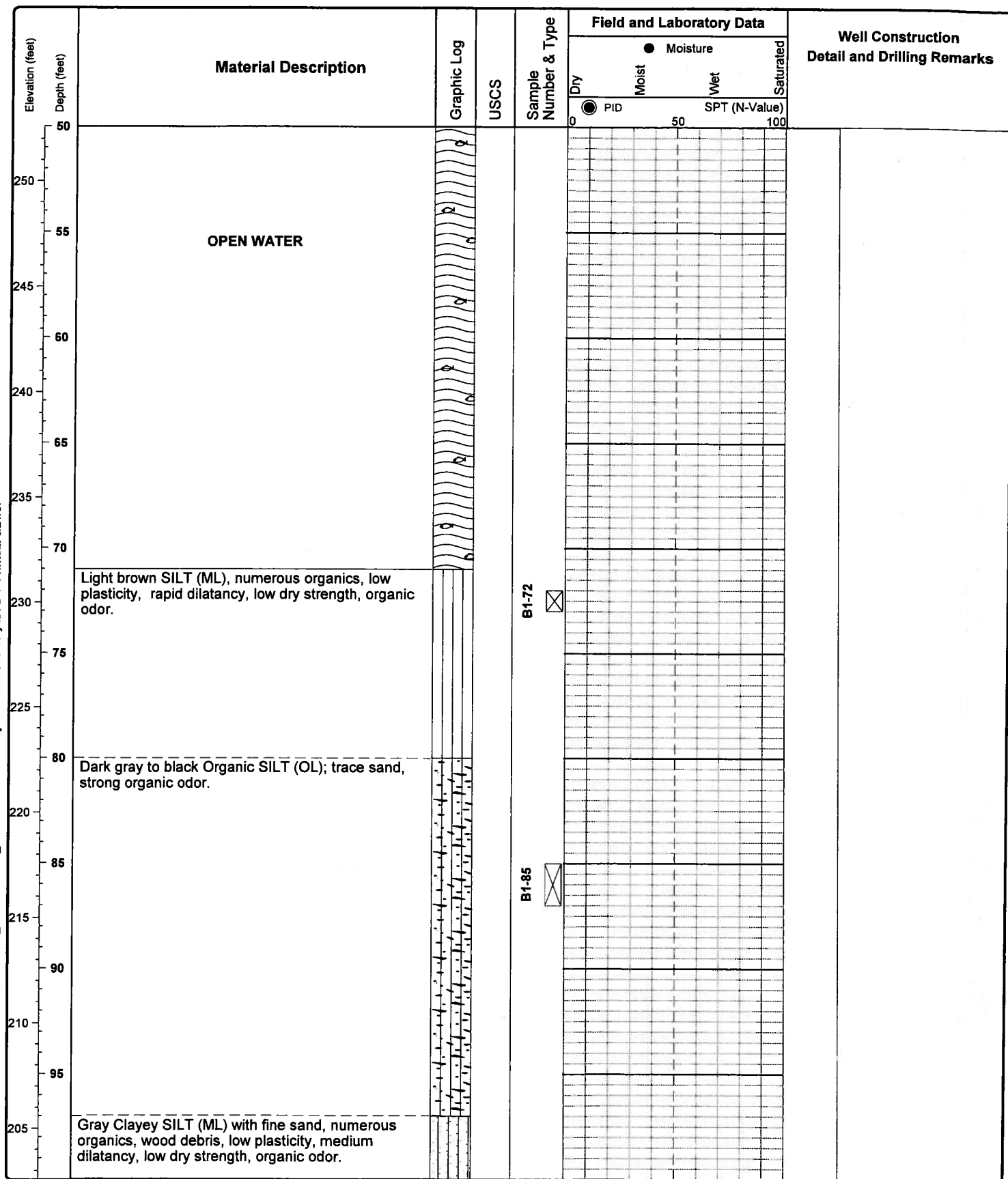
Reviewed

[Signature]

Condit Dam Sediment Evaluation
Northwestern Lake
BORING LOG B-1

Project No. 53886
KLEINFELDER
Employee-owned
(Sheet 1 of 3)

FIGURE



Date Drilling Started	12/18/06	State Well ID	NA	Location	Northwestern Lake			
Drilling Method	Direct Push Probe	Hammer	N.A.	Driller	Boart Longyear			
Drill Rig Type	Track	Hammer Drop System						
		Hammer Drop Length (in.)	N.A.	Wt. Drive Hammer (lbs.)	N.A.	Borehole Diameter (in.)	4	
Logged By	S. Shoemaker	Total Depth (ft)	108.0	Station (ft):	NA	Offset (ft):	NA	
Surface Elevation (ft)	302.6	Elevation Datum	NAVD 88	Coordinates:	N 45.8	E 121.5		

NOTE: Lines representing the interface between soil/rock units of differing description are approximate only and may indicate gradual transition

Reviewed

Condit Dam Sediment Evaluation
Northwestern Lake

BORING LOG B-1

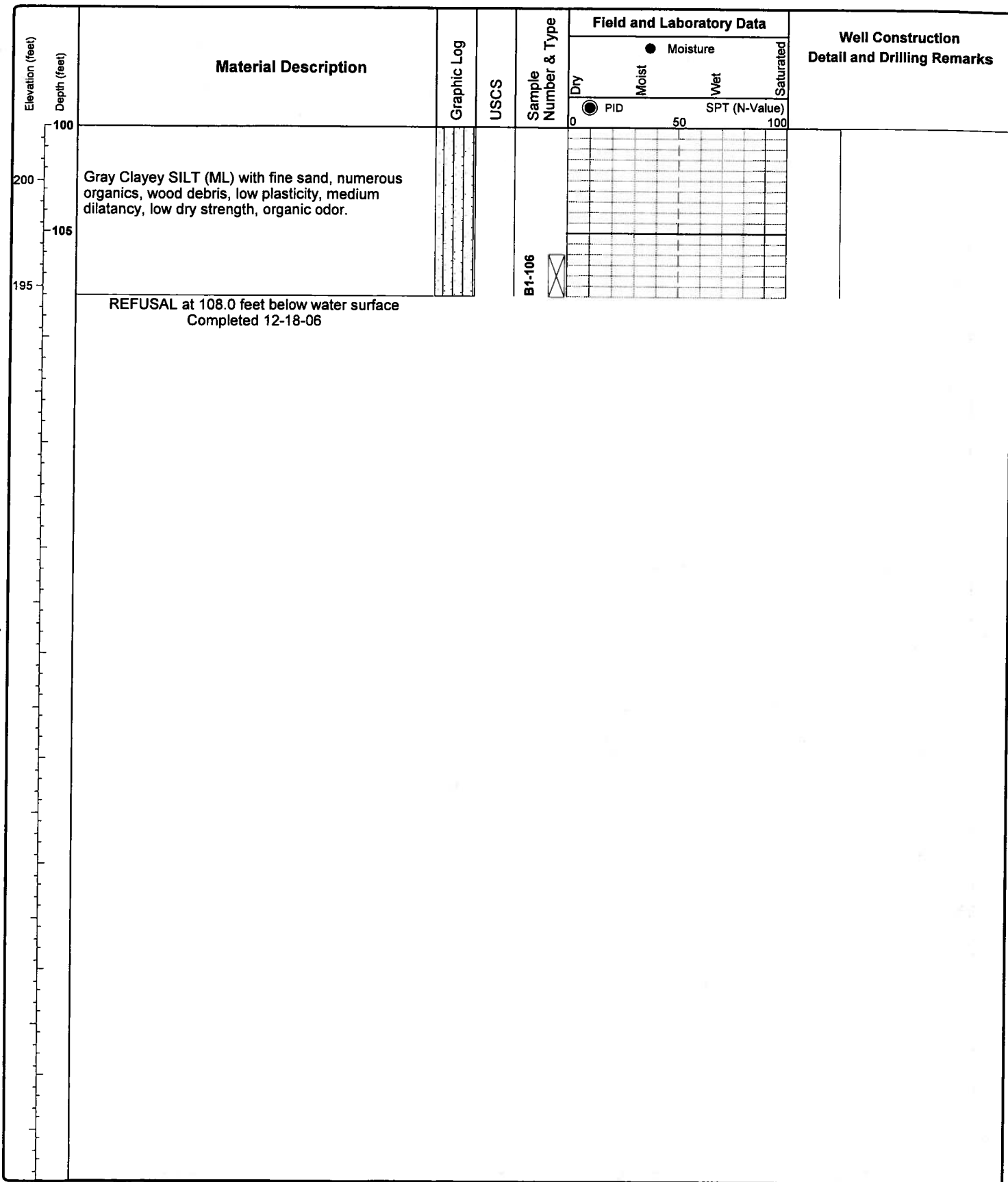
Project No. 53886



KLEINFELDER
Employee-owned

(Sheet 2 of 3)

FIGURE



Date Drilling Started	12/18/06	State Well ID	NA	Location	Northwestern Lake
Drilling Method	Direct Push Probe	Hammer Drop System	N.A.	Driller	Boart Longyear
Drill Rig Type	Track	Hammer Drop Length (in.)	N.A.	Wt. Drive Hammer (lbs.)	N.A.
Logged By	S. Shoemaker	Total Depth (ft)	108.0	Station (ft):	NA
Surface Elevation (ft)	302.6	Elevation Datum	NAVD 88	Offset (ft):	NA
		Coordinates:	N 45.8	E 121.5	

NOTE: Lines representing the interface between soil/rock units of differing description are approximate only and may indicate gradual transition

Reviewed

DEX

Condit Dam Sediment Evaluation
Northwestern Lake

BORING LOG B-1

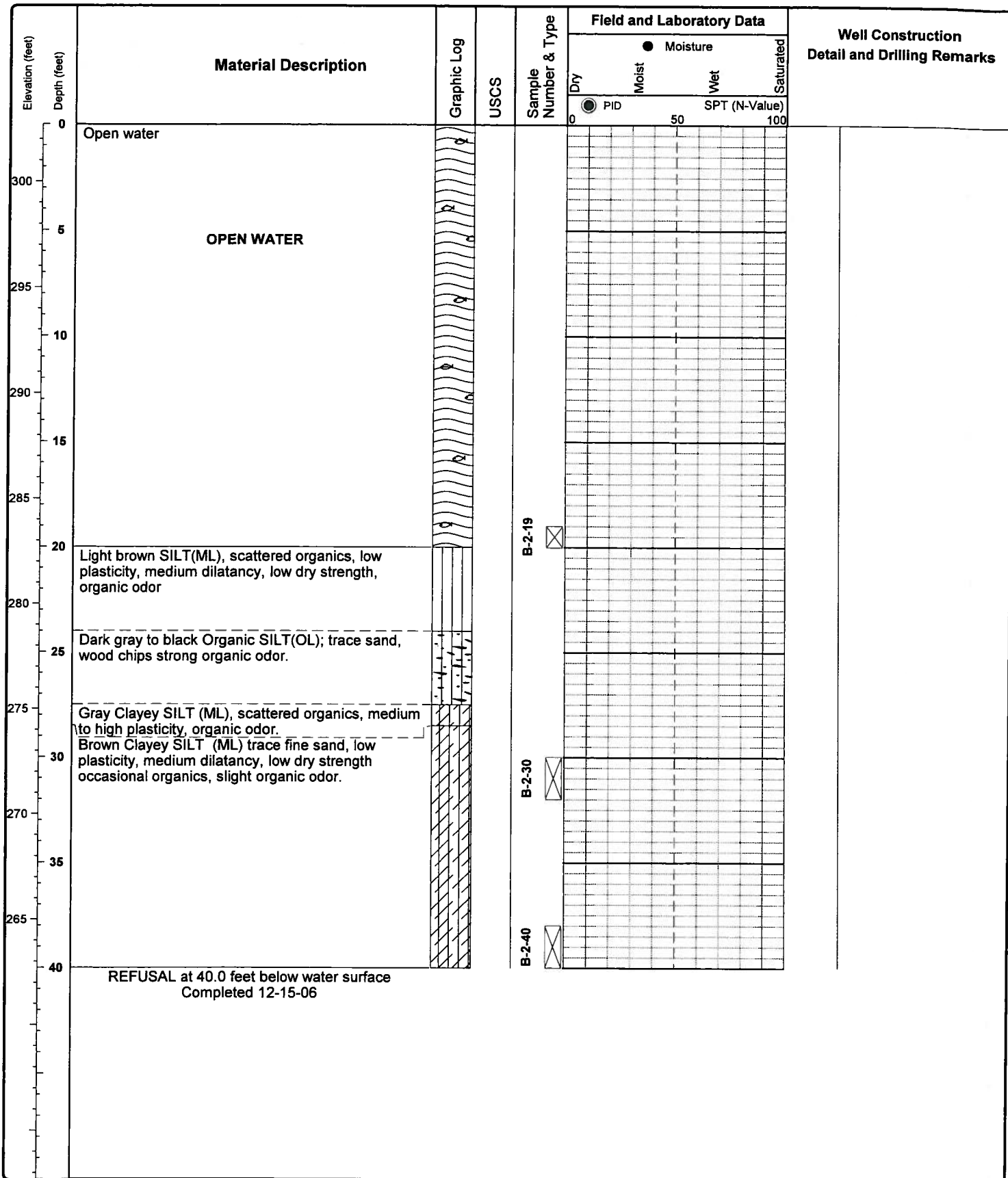
Project No. 53886



KLEINFELDER
Employee-owned

(Sheet 3 of 3)

FIGURE



Date Drilling Started	12/15/06	State Well ID	NA	Location	Northwestern Lake
Drilling Method	Direct Push Probe	Hammer Drop System	N.A.	Driller	Boart Longyear
Drill Rig Type	Track	Hammer Drop Length (in.)	N.A.	Wt. Drive Hammer (lbs.)	N.A.
Logged By	S. Shoemaker	Total Depth (ft)	40.0	Station (ft):	NA
Surface Elevation (ft)	302.7	Elevation Datum	NAVD 88	Offset (ft):	NA
		Coordinates:	N 45.8	E 121.5	

NOTE: Lines representing the interface between soil/rock units of differing description are approximate only and may indicate gradual transition

Reviewed *[Signature]*

Condit Dam Sediment Evaluation
Northwestern Lake

BORING LOG B-2

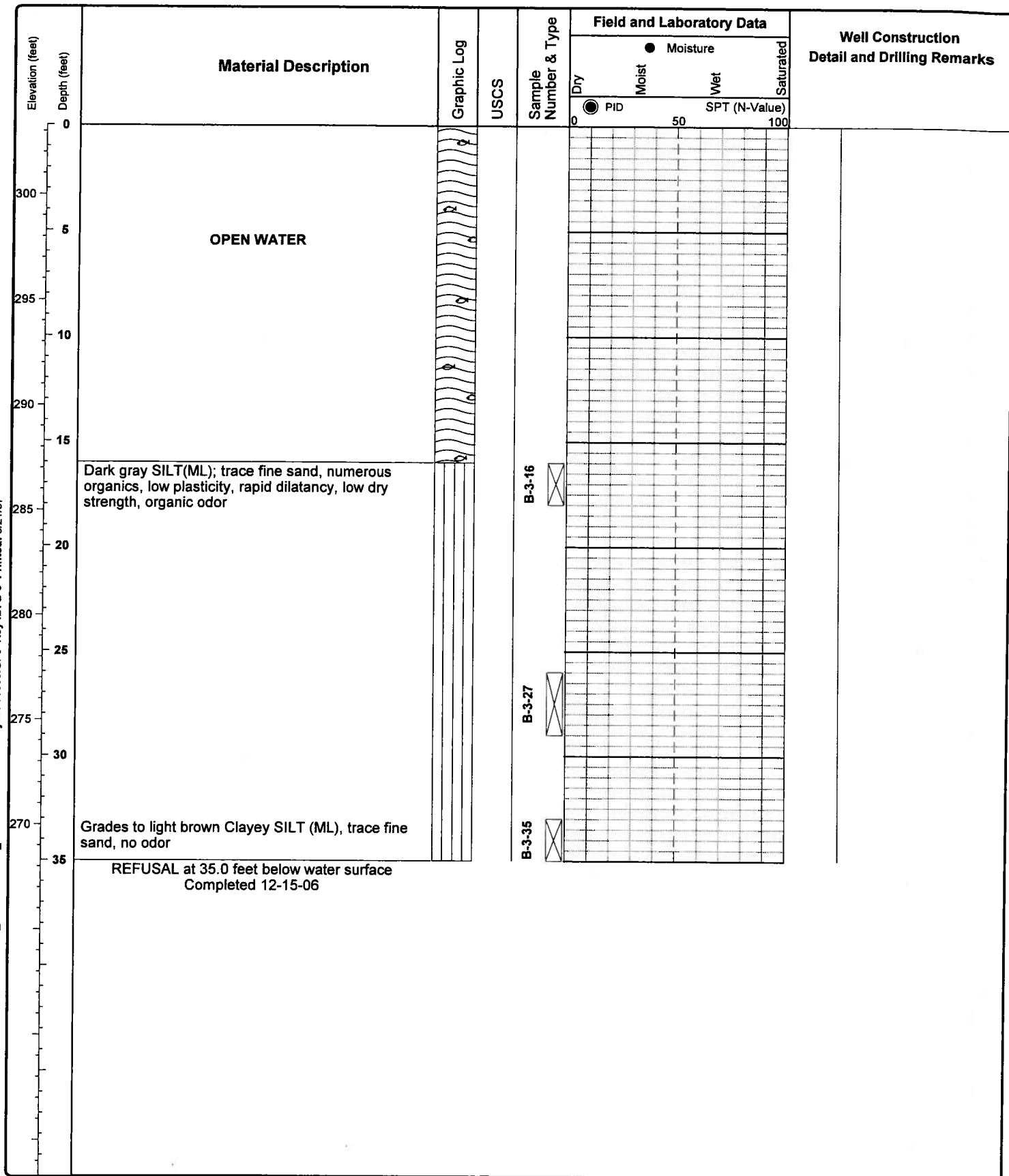
Project No. 53886



KLEINFELDER
Employee-owned

(Sheet 1 of 1)

FIGURE



Date Drilling Started	12/14/06	State Well ID	NA	Location	Northwestern Lake
Drilling Method	Direct Push Probe	Hammer Drop System	N.A.	Driller	Boart Longyear
Drill Rig Type	Track	Hammer Drop Length (in.)	N.A.	Wt. Drive Hammer (lbs.)	N.A.
Borehole Diameter (in.)	4				
Logged By	S. Shoemaker	Total Depth (ft)	35.0	Station (ft):	NA
Offset (ft):	NA				
Surface Elevation (ft)	303.3	Elevation Datum	NAVD 88	Coordinates:	N 45.8 E 121.5

NOTE: Lines representing the interface between soil/rock units of differing description are approximate only and may indicate gradual transition

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Condit Dam Sediment Evaluation
Northwestern Lake

BORING LOG B-3

Project No. 53886



KLEINFELDER
Employee-owned

(Sheet 1 of 1)

FIGURE

Elevation (feet) Depth (feet)	Material Description	Graphic Log	USCS	Sample Number & Type	Field and Laboratory Data				Well Construction Detail and Drilling Remarks
					Dry	Moist	Wet	Saturated	
					Moisture	PID	SPT (N-Value)		
0							50	100	
300									
5	OPEN WATER								
295									
10									
290									
15	Gray brown Silty SAND (SM), fine sand, occasional organics, very low plasticity, rapid dilatancy, very low dry strength, slight organic odor			B-4-15	☒				
285									
20	Gray SAND (SP-SM) with silt, fine sand, occasional organics, no odor.								
280	Gravelly SILT (ML) fine to medium gravel, occasional organics, no odor								
25	Gray Silty SAND (SM), fine sand, occasional organics, non-plastic, no odor.			B-4-24	☒				
275									
30									
270									
35	REFUSAL at 35.0 feet below water surface Completed 12-14-06			B-4-35	☒				

Date Drilling Started	12/13/06	State Well ID	NA	Location	Northwestern Lake
Drilling Method	Direct Push Probe	Hammer Drop System	N.A.	Driller	Boart Longyear
Drill Rig Type	Track	Hammer Drop Length (in.)	N.A.	Wt. Drive Hammer (lbs.)	N.A.
Logged By	S. Shoemaker	Total Depth (ft)	35.0	Borehole Diameter (in.)	4
Surface Elevation (ft)	302.5	Elevation Datum	NAVD 88	Station (ft):	NA
				Offset (ft):	NA
				Coordinates:	N 45.8 E 121.5

NOTE: Lines representing the interface between soil/rock units of differing description are approximate only and may indicate gradual transition

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Condit Dam Sediment Evaluation
Northwestern Lake

BORING LOG B-4

Project No. 53886



KLEINFELDER
Employee-owned

(Sheet 1 of 1)

FIGURE