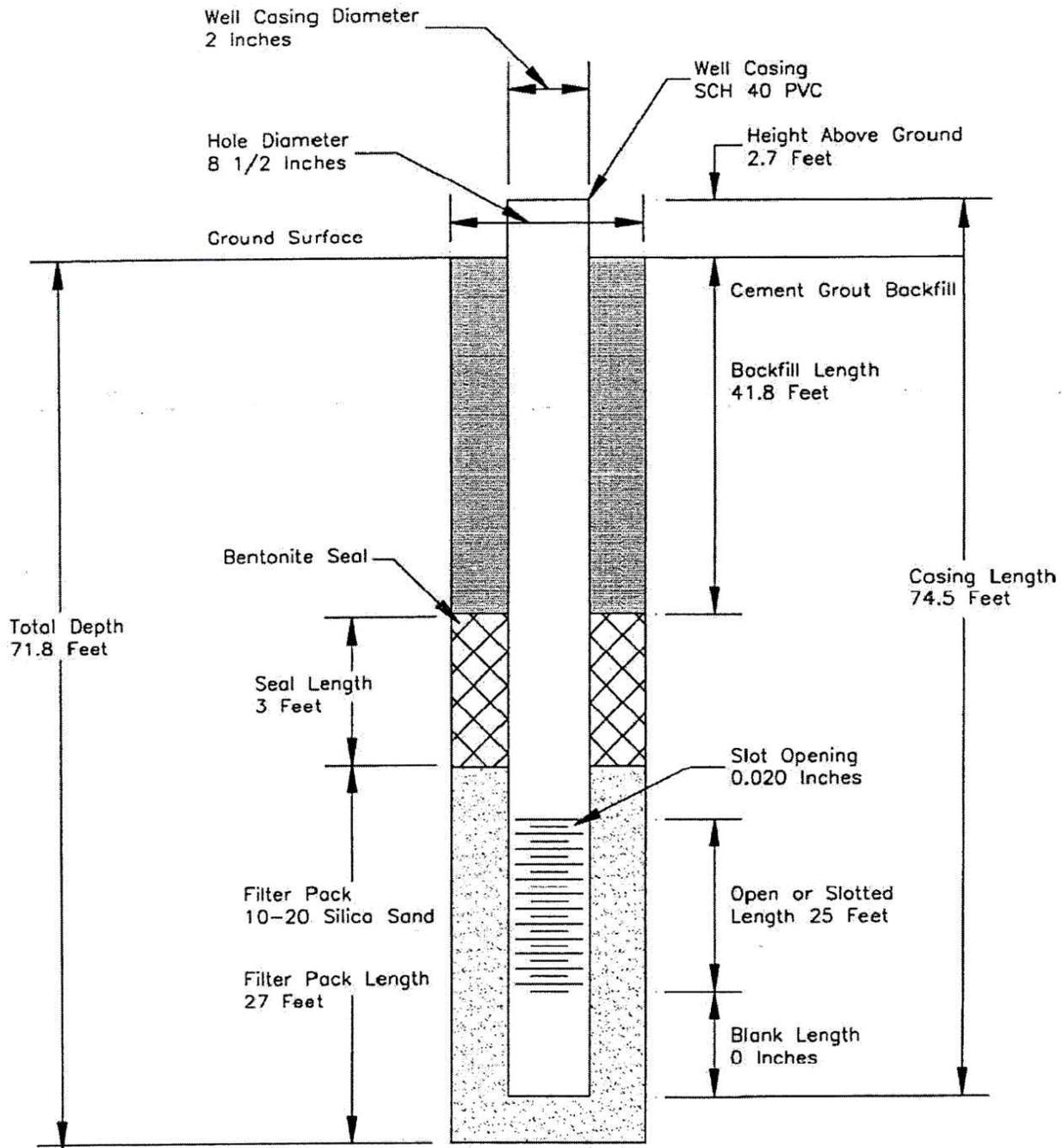
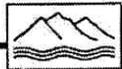


Site 58



Not To Scale
Explanation

-  Cement-Bentonite Grout
-  Hydrated Bentonite Plug
-  10/20 Silica Sand Pack



DANIEL B. STEPHENS & ASSOCIATES, INC.
10-94 JN 3186

KAFB UST INVESTIGATION
Well Completion Record
Monitor Well MW-1, Site 58

AR 3113

J:\3186\318614W.DWG

Feet Below Ground Surface	Graphic Log	PID (ppm)	Blow Counts (for 30')	Sample Recovery (inches)	Sample Interval (feet)	USCS Symbol	Descriptive Log
0					0		Silt and grasses
9.13		4,4,6	12	5-6.5	ML		Silt with occasional gravel, light brown (7.5 YR 6/4), powdery, fine-grained, nonplastic, moist, heavy odor (hydrocarbon or solvent?)
10.380		5,7,8	14	10-11.5	ML		Same as above, less moist, moderate odor (hydrocarbon or solvent?)
12.258		10,11,12	10	15-16.5	ML		Same as above, slightly more powdery, less moist
13.307		7,8,8	18	20-21.5	SM/SP		Silty fine to medium sand/sandy silt, reddish yellow (7.5 YR 8/6), powdery to granular, fine- to medium-grained, poorly sorted, well rounded, nonplastic, dry to moist, moderate hydrocarbon odor
14.336		26,100/5	4	25-25.9	ML/Granite		Silt and weathered granite and fine to medium sand, moderate hydrocarbon odor, auger refusal
15.519		150/5	5	30-30.4	SM/SP		Sandy silt and fine to medium silty sand, white (7.5 YR NB/1), powdery to granular, slightly plastic, moist, moderate hydrocarbon odor, auger refusal
16.642		100/5	5	35-35.4	SM/SP		Same as above (moderate hydrocarbon odor)
17.679		100/5	5	40-40.4	SM/SP		Same as above (moderate hydrocarbon odor)
18.426		150/4.5	5	45-45.4	ML		Silt with sand and occasional gravel, reddish yellow (7.5 YR 7/6), powdery to granular, fine-grained, nonplastic, moist, moderate hydrocarbon odor
19.561		150/5	5	50-50.4	ML		Silty as above and weathered granite, moderate hydrocarbon odor
20.784		150/6	6	55-55.8	Granite		Weathered pink granite with silt as above, angular to subangular, nonplastic, moist, moderate hydrocarbon odor
21.248		150/10	12	60-60.8	Granite		Weathered pink granite, wet, slight hydrocarbon odor, water at 60.2'
22.357		150/4	4	65-65.3	SP-SM		Sandy silt/silty sand, pinkish gray (7.5 YR 6/2), granular, nonplastic, moist, slight to moderate hydrocarbon odor
23.584		150/5	5	70-70.4	Granite		Silty sand to granite contact, moderate hydrocarbon odor
24.196		150/2	2	75-75.2	Granite		Weathered granite, pinkish gray (7.5 YR 6/2) as above, moist, slight hydrocarbon odor (hard drilling)
25.440		150/5	5	80-80.4	Granite		Weathered granite as above with wet, semi-plastic silt, moist to wet, slight hydrocarbon odor (hard drilling)
26.502		150/2	2	85-85.2	Granite		Weathered granite as above, slight hydrocarbon odor; switched to air rotary
27.203				90	Granite		Weathered granite sand with trace silt, brown (7.5 YR 5/4), fine to coarse, well sorted, rounded to subrounded, nonplastic, moist, heavy hydrocarbon odor
28.180				95	Granite		Same as above
29.60		No Sample. Identification and screening based on cuttings blown out of borehole		100	Granite		Weathered granite sand with trace silt, as above (except predominantly coarse sand), subangular, saturated, moderate hydrocarbon odor
30.60				105	Granite		Same as above
31.60				110	Granite		Same as above, mostly coarse sand, more rounded, wet, moderate hydrocarbon odor
32.60				115	Granite		Same as above, wet, moderate hydrocarbon odor
33.30				120	Granite		Same as above, moist, slight hydrocarbon odor
34.25				125	Granite		Weathered granite as sand, brown (7.5 YR 5/3), medium to coarse, rounded to subangular, nonplastic, moist, slight hydrocarbon odor
35.110				130	Granite		Same as above, moist, slight hydrocarbon odor
36.40				135	Granite		Granite sand as above, moist, slight odor
37.38				140	Granite		Granite sand and silt (much finer-grained), moist, no hydrocarbon odor

Boring B-58-1 completed at 140.0 feet

Graphic Log Symbols

- ML - Inorganic silts and very fine sands, red, brown, silt or clayey fine sands, or clayey silt with slight plasticity
- SW - Well graded sands, gravelly sand, little or no fines
- GW - Gravel, well graded, gravel/sand mixture, little or no fines
- San Andres Limestone - poorly graded sand interbeds
- SC - Clayey sands, sand/clay mixtures

- GG - Clayey gravels, gravel-sand-clay mixtures
- CH - Inorganic clays of high plasticity, fat clays
- CL - Inorganic clays, gravelly, sandy, silty
- SP - Poorly graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand/silt mixtures
- Granite

Well Construction Symbols

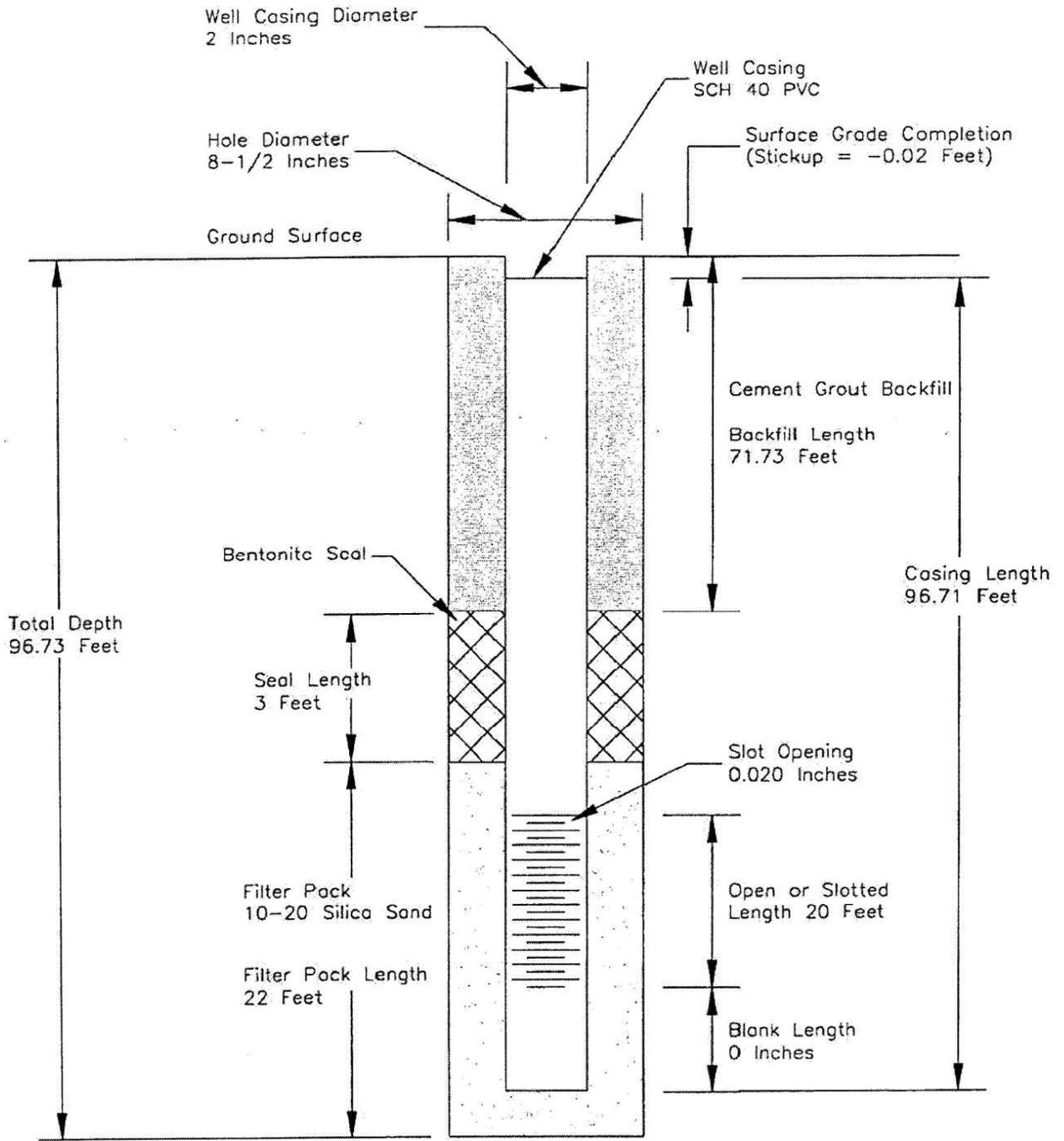
- Cement grout backfill
- Bentonite seal
- 0.020 inch slotted screen
- 10/20 Silica sand

Hydrologist: B. Sherupski
 Driller: Beylik
 Date Completed: 9-2-94
 Drilling Method: Hollow Stem Auger/Air Rotary
 Bit Diameter: 8.5" OD
 Sampler Type: Split Spoon

Well Diameter: 2"
 Casing Materials: PVC
 Total Drill Depth: 140.0'

Site 58
 mw-1

KAFB UST INVESTIGATION
 Well Log: B-58-1

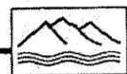


Not To Scale

NOTE: MW-2 was drilled as boring B-5.

Explanation

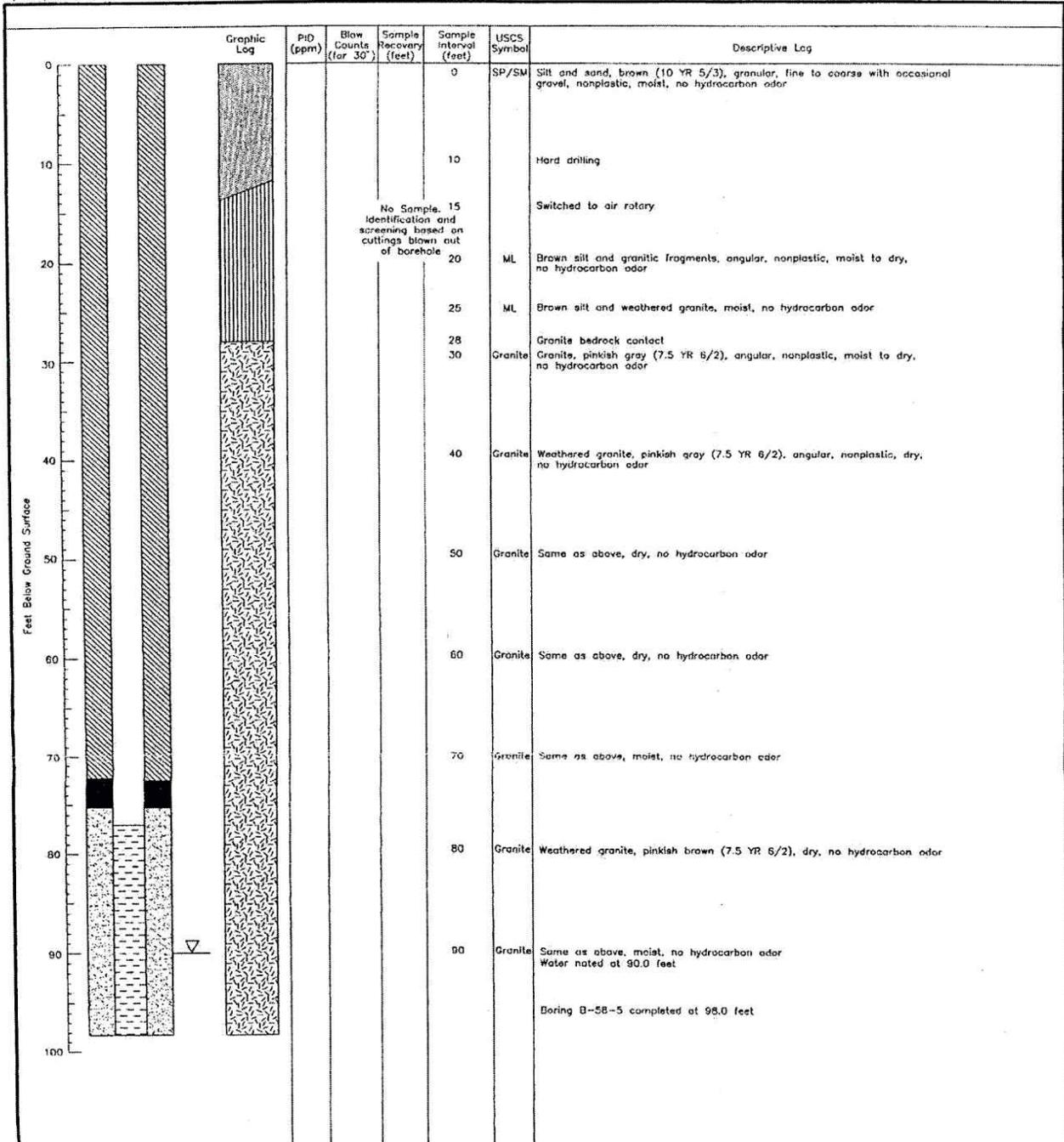
-  Cement-Bentonite Grout
-  Hydrated Bentonite Plug
-  10/20 Silica Sand Pack



DANIEL B. STEPHENS & ASSOCIATES, INC.
10-94 JN 3186

KAFB UST INVESTIGATION
Well Completion Record
Monitor Well MW-2, Site 58

AR 3113



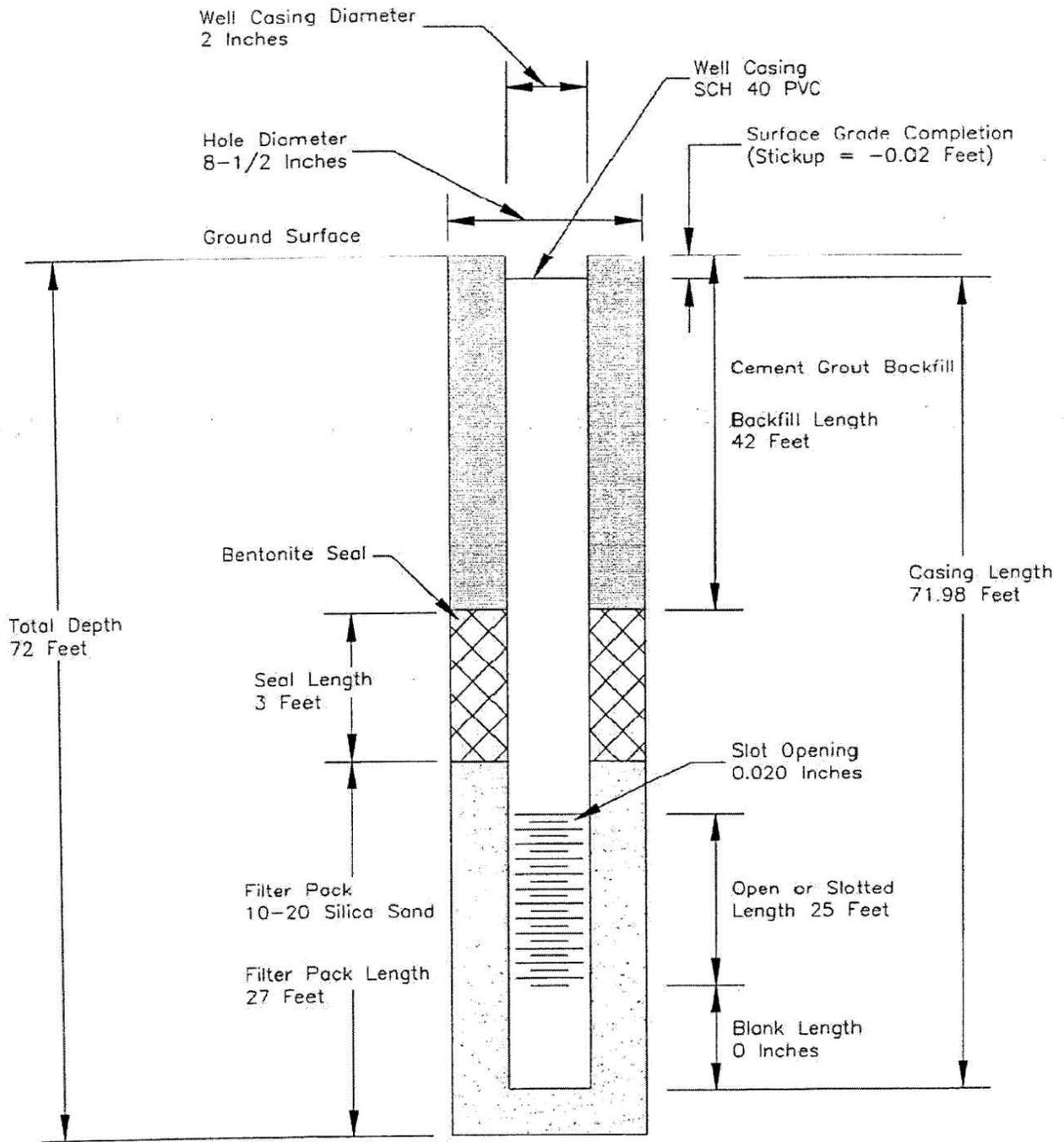
Graphic Log Symbols		Well Construction Symbols	
	ML - Inorganic silts and very fine sands, rock flour, silt or clayey fine sands, or clayey silt with slight plasticity		GC - Clayey gravels, gravel-sand-clay mixtures
	SW - Well graded sands, gravelly sand, little or no fines		CH - Inorganic clays of high plasticity, fat clays
	GW - Gravel, well graded, gravel/sand mixture, little or no fines		CL - Inorganic clays, gravelly, sandy, silty
	San Andres Limestone - poorly graded sand interbeds		SP - Poorly graded sands, gravelly sands, little or no fines
	SC - Clayey sands, sand/clay mixtures		SM - Silty sands, sand/silt mixtures
			Granite
			Cement grout backfill
			Bentonite seal
			0.020 inch slotted screen
			10/20 Silica sand

Hydrologist: B. Sherupski
 Driller: Beylik
 Date Completed: 9-2-94
 Drilling Method: Hollow Stem Auger (top 15')/Air Rotary
 Bit Diameter: 4.75" OD
 Sampler Type: NA

Well Diameter: 2"
 Casing Materials: PVC
 Total Drill Depth: 98.0'

**Site 58
 MW-2**

KAFB UST INVESTIGATION
Well Log: B-58-5



Not To Scale
Explanation

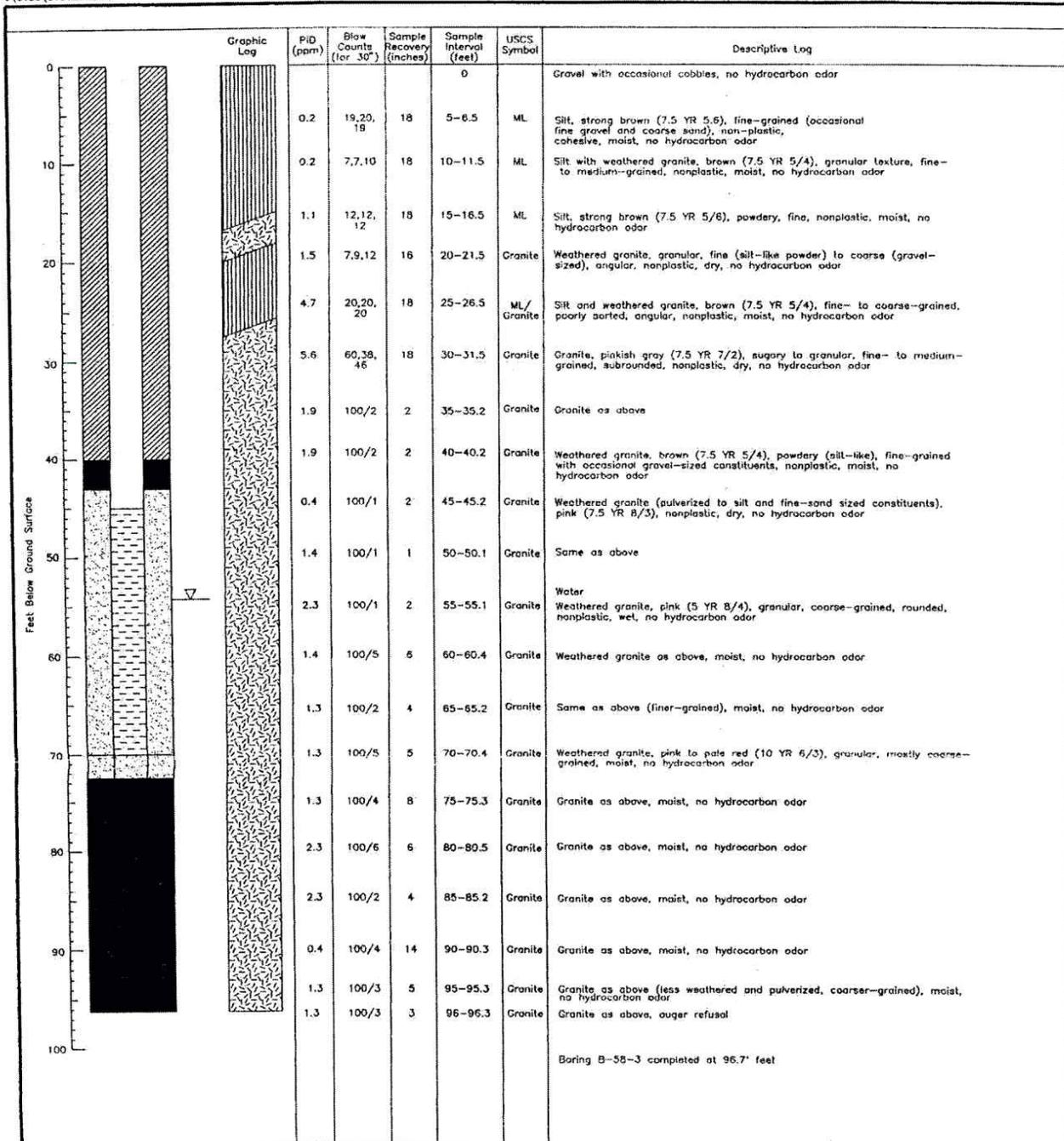
-  Cement-Bentonite Grout
-  Hydrated Bentonite Plug
-  10/20 Silica Sand Pack



DANIEL B. STEPHENS & ASSOCIATES, INC.
10-94 JN 3186

KAFB UST INVESTIGATION
Well Completion Record
Monitor Well MW-3, Site 58

A 2 3113



Graphic Log Symbols

- ML - Inorganic silts and very fine sands, rock flour, silt or clayey fine sands, or clayey silt with slight plasticity
- SW - Well graded sands, gravelly sand, little or no fines
- GW - Gravel, well graded, gravel/sand mixture, little or no fines
- San Andres Limestone - poorly graded sand interbeds
- SC - Clayey sands, sand/clay mixtures

- GC - Clayey gravels, gravel-sand-clay mixtures
- CH - Inorganic clays of high plasticity, fat clays
- CL - Inorganic clays, gravelly, sandy, silty
- SP - Poorly graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand/silt mixtures
- Granite

Well Construction Symbols

- Cement grout backfill
- Bentonite seal
- 0.020 inch slotted screen
- 10/20 Silica sand

Hydrologist: B. Sherupski
 Driller: Beylik
 Date Completed: 8-30-94
 Drilling Method: Hollow Stem Auger
 Bit Diameter: 8.5" OD
 Sampler Type: Split Spoon

Well Diameter: 2"
 Casing Materials: PVC
 Total Drill Depth: 96.7'

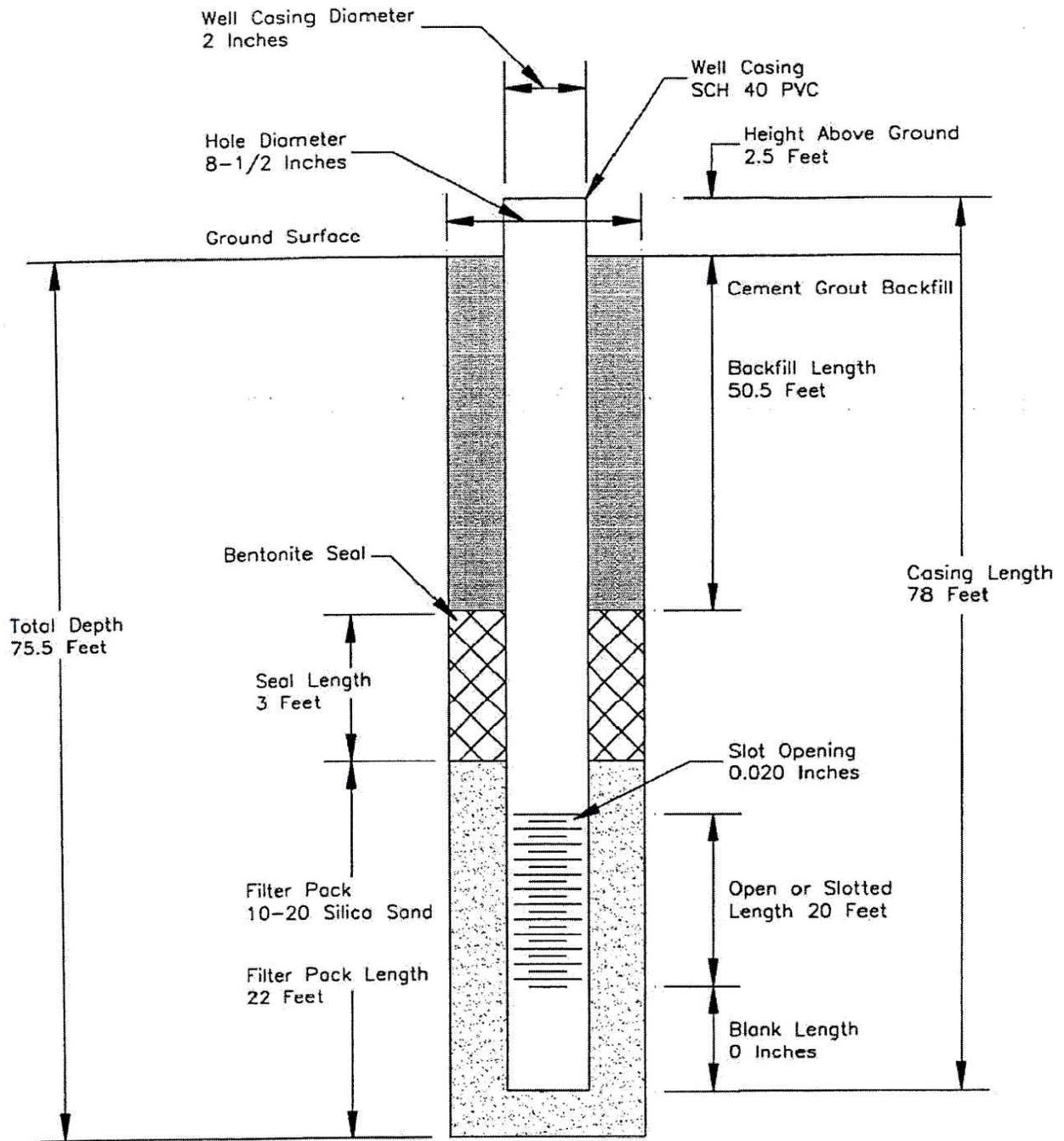
Site 58
 MW-3

KAFB UST INVESTIGATION
 Well Log: B-58-3



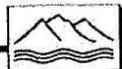
DANIEL B. STEPHENS & ASSOCIATES, INC.
 10-94 JN 3186

AR 3113



Not To Scale
Explanation

-  Cement-Bentonite Grout
-  Hydrated Bentonite Plug
-  10/20 Silica Sand Pack

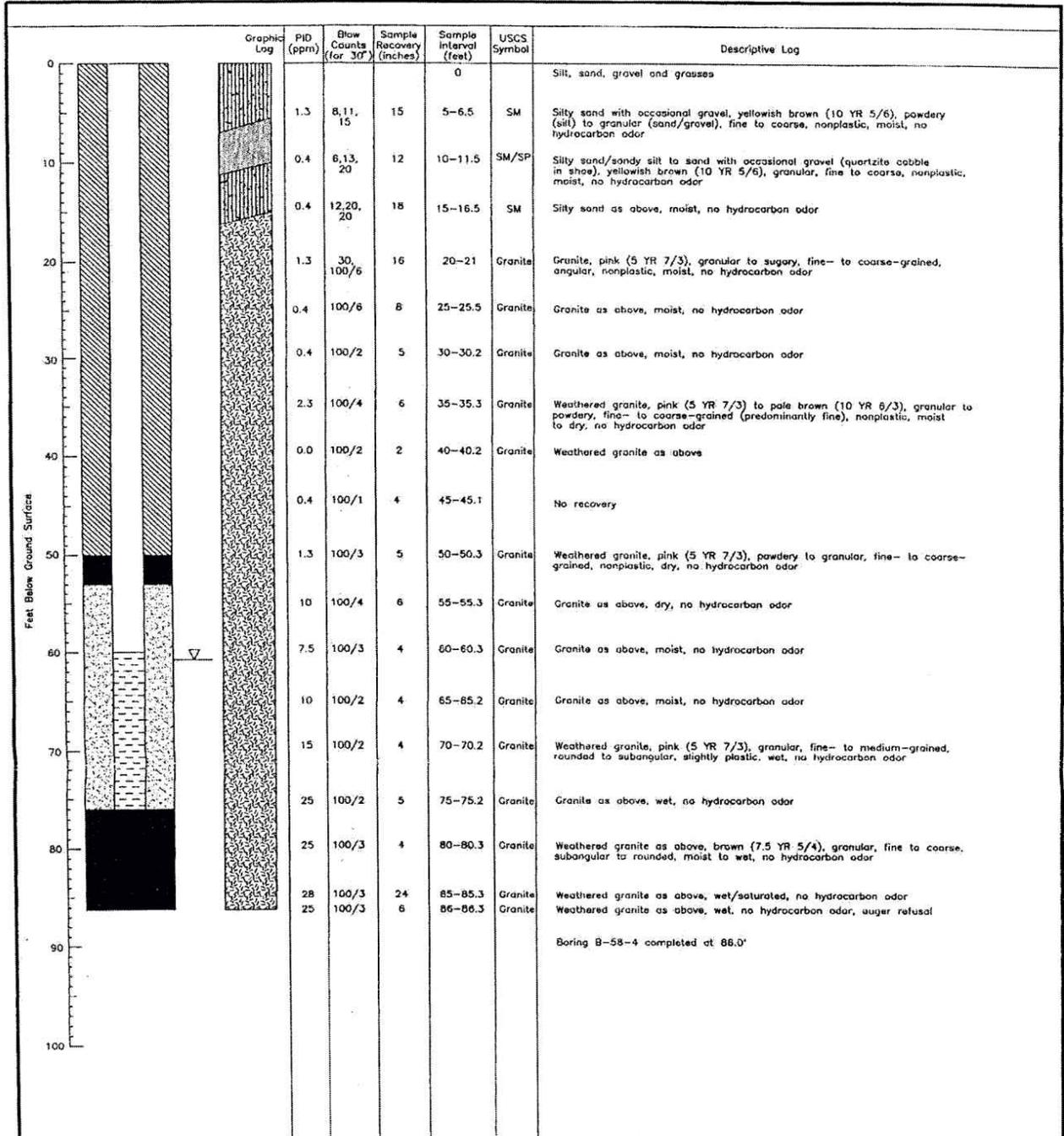


DANIEL B. STEPHENS & ASSOCIATES, INC.
10-94 JN 3186

KAFB UST INVESTIGATION
Well Completion Record
Monitor Well MW-4, Site 58

AR 3113

J/3186/318617W.DWG



Graphic Log Symbols

- ML - Inorganic silts and very fine sands, rock flour, silt or clayey fine sands, or clayey silt with slight plasticity
- SW - Well graded sands, gravelly sand, little or no fines
- GW - Gravel, well graded, gravel/sand mixture, little or no fines
- San Andres Limestone - poorly graded sand interbeds
- SC - Clayey sands, sand/clay mixtures
- GC - Clayey gravels, gravel-sand-clay mixtures
- CH - Inorganic clays of high plasticity, fat clays
- CL - Inorganic clays, gravelly, sandy, silty
- SP - Poorly graded sands, gravelly sands, little or no fines
- SM - Silty sands, sand/silt mixtures
- Granite

Well Construction Symbols

- Cement grout backfill
- Bentonite seal
- 0.020 Inch slotted screen
- 10/20 Silica sand

Hydrologist: B. Sherupski
 Driller: Beylik
 Date Completed: 8-31-94
 Drilling Method: Hollow Stem Auger
 Bit Diameter: 8.5" OD
 Sampler Type: Split Spoon

Well Diameter: 2"
 Casing Materials: PVC
 Total Drill Depth: 86.0'

Site 58
 mw-4

KAFB UST INVESTIGATION
 Well Log: B-58-4



DANIEL B. STEPHENS & ASSOCIATES, INC.
 10-94 JN 3186

AR 3113