

Drilling Log

Project Name Cessna						Boring No. B-9	
Project No. 85-141-4-001						Page 1 of 7	
Ground Elevation 1295.9'			Location See Figure II-1			Total Footage 115.5'	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. Core Boxes	Depth To Water	Date Measured
Rotary Wash	6"	114.0'	1.5'	12	-	See Remarks	
Drilling Co. Layne Western Company Inc.					Driller (s) I Von Holt		
Drilling Rig. Gardner Denver 500					Type of Penetration Test Standard		
Date 3-14-86			To		Field Observer (s) M Eversman		

Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks
1						started @ 12:30 pm No water levels taken immediately due to the nature of the drilling method.
2	Dark Brown, silty clay med to high plasticity					
3						
4						
5						
6						
7						
8	Rust Brown sandy clay Med plasticity, fine sand present					
9						
10						
11						
12						
13						

Drilling Log (continued)

Project Name <u>Cessna</u>						Boring No. <u>B9</u>
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						Date <u>3/14/86</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
15	Rust Brown sandy clay med plasticity, fine sand present					
16						
17						
18						
19						
20						
21						
22	Brown sand, Fine to medium sand					
23						
24						
25						
26	as above					
27						
28						
29						
30	as above					

Drilling Log (continued)

Project Name <u>Cessna</u>						Boring No. <u>B9</u>	
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						Date	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
32							
33	Brown sand, fine to coarse						
34	grained, some gravel pieces						
35							
36							
37							
38							
39							
40							
41							
42	as above						
43							
44							
45	as above						
46							
47							

Drilling Log (continued)

Project Name <u>Cesna</u>						Boring No. <u>89</u>
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						Date <u>3/14/86</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
49						
50	Brown Silty Clay, med to high plasticity, wet, w/ some sand				SS1	Exploratory Sample
51						
52	Brown Sand, fine to medium grained. Contains some gravel pieces.					
53						
54						
55						
56						
57						
58						
59	as above. Thin layer gray sandy clay. Fine sand.					
60						
61						
62						
63	Brown sand, fine to medium grained, wet, v. dense. Contains some gravel pieces		32/38/40	13"/18"	SS2	OVA = .88ppm
64						

Drilling Log (continued)

Project Name <u>Cessna</u>						Boring No. <u>B9</u>
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						Date <u>3-14-86</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
66						
67						
68	Brown sand, fine grained		28	15"		
69	wet, v. dense well sorted		44	18"	SS3	OVA = 0ppm
70	Contains thin layer (2") of					
71	clayey sand, fine grained					
72						
73	as above. No clayey		37	18"		
74	sand layer.		55	18"	SS4	OVA = .5ppm
75			66			
76						
77						
78	as above		33	18"		
79			55	18"	SS5	OVA = .5ppm
80			70			
81						

Drilling Log (continued)

Project Name <u>Cessna</u>						Boring No. <u>B9</u>
Project No. <u>85-141-4-001</u>						Page <u>6</u> of <u>7</u>
						Date <u>3-14-86</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
83	Brown, sand, fine to medium grained, wet, v. dense well sorted. Trace of gravel		32			OVA = 3 ppm
84			37		SS6	
85			51			
86						
87						
88			30			only drive
89			65		SS7	spoon 12"
90						OVA = 0 ppm
91						
92						
93			44			
94	as above		42		SS8	
95			81			
96						
97						
98	as above		41		SS9	
			47			
			63			

Drilling Log (continued)

Project Name Cessna						Boring No. B9	
Project No. 85-141-4-001						Page 7 of 7	
						Date 3-15-86	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
100							
101							
102							
103	Brown Sand, fine to medium grained, wet, v. dense well sorted		37/			Installed 2" PVC to 112.5' Gravel Bed 112.5 to 86' Bentonite Pellet Seal 86' to 82' Grout to Surface Completed and cleaned up @ 1:30pm	
104			47/		SS10		
105			51				
106							
107							
108	as above. Contains a thin layer of gray clayey sand. Fine grained, 41" thick.		37/			SS11	
109			51/				
110			63				
111							
112							
113	Tan silty clay, med to high plasticity, stiff		3				
114							
115	Grey shale, dry, intact hard.		100				
TD = 115.5 feet							

- LEGEND**
- ▲ SHALLOW WELL (APPROX. 30-45ft.)
 - INTERMEDIATE WELL (APPROX. 75ft.)
 - DEEP WELL (APPROX. 100-120ft.)
 - PRODUCTION WELL
 - TEMPORARY BORING

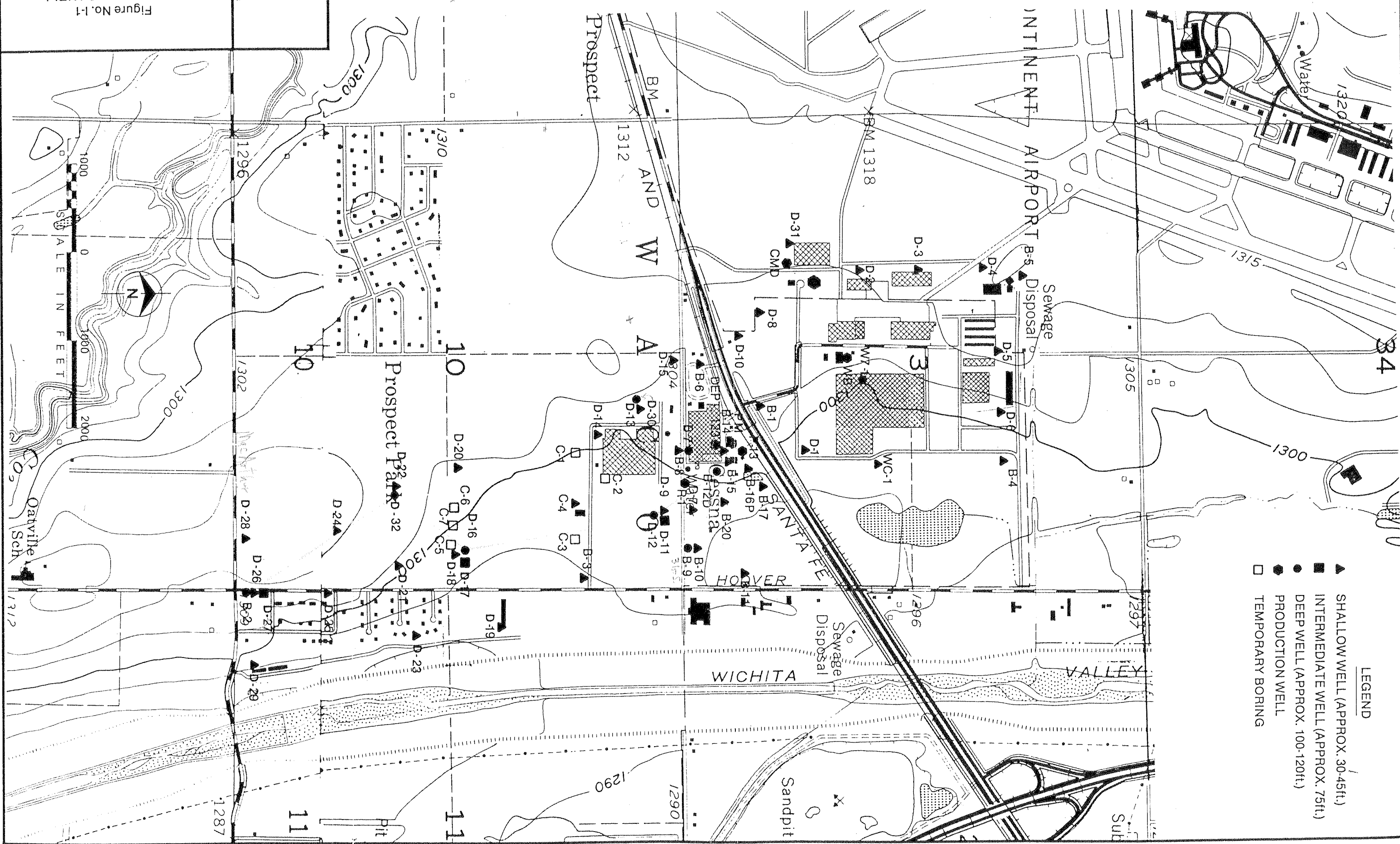


Figure No. I-1
MONITORING WELL
LOCATIONS

BUTTS & McDONNELL
ENGINEERS - ARCHITECTS - CONSULTANTS