

Drilling Log

Project Name Cessna						Boring No. D-32	
Project No. 85-141-4-001						Page 1 of 7	
Ground Elevation 1306.39			Location See Boring Location Plan			Total Footage 100.0	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. Core Boxes	Depth To Water	Date Measured
Wash Bore	5"	100.0'	0	5	0	See Remarks	
Drilling Co. Layne Western Company Inc.				Driller (s) R. Crowl B. Blank			
Drilling Rig. ATV Mounted CME 750				Type of Penetration Test Standard			
Date 4.8.87		To 4.8.87		Field Observer (s) M Eversman			
Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks	
1	Brown Clay. Silty. Mod. Soft Topsoil. Grass and Roots.					Started @ 10 am	
2							
3	Red Brown Clay. Silty Mod. Soft Trace of						
4	fine sand.						
5							
6							
7	Red Brown Clay. Silty. Sandy Mod Soft. Sand is fine grained						
8							
9							
10	Red Brown Sand. Clayey						
11	Fine Grained. Trace of coarse grained						
12							
13							
14							

Drilling Log, continued

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						Date <u>4.8.87</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
15							
16							
17							
18							
19							
20	Sand. Med to coarse						
21	grained. Poorly sorted. Some gravel.						
22							
23							
24							
25	Brown sand. Med Grained						
26	Poorly sorted. Some coarse sand and fine gravel						
27							
28							
29							
30	as above						
31							

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						Date <u>4.8.87</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
32	Brown sand. Fine to Med Grained Poorly Sorted. Traces of clay, also gravel						No water level taken during drilling
33							
34		Coarsening Downward					
35	Gray clay. Silty. Mod Soft						
36							
37							
38	Brown sand. Med to Coarse Grained Poorly Sorted.						
39							
40							
41							
42							
43							
44							
45	as above						
46							
47							
48							

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						Date <u>4.8.87</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
49							
50	Brown sand. Fine to Medium Grained. Poorly Sorted. - Saturated V. Dense		23	18			
51			36	18	SS 1		
52			41				
53							
54	Yellow Brown clay. Silty. Sandy Mod Soft. Sand is fine grained						
55							
56							
57	color change to gray clay						
58							
59	Sand increasing.						
60	Gray clay. Silty. Sandy. M. Plasticity Mod stiff. Wet. Sand is fine grained		5				
61			9		SS 2		
62			13				
63							
64							
65							

Drilling Log, continued

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						Date <u>4.8.87</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
66	Brown sand. Fine to Med Grained Poorly Sorted.						
67							
68							
69							
70	Brown sand. Fine to Med Grained. Poorly Sorted. Saturated		46	18		Drove spoon 0.7'	
71	V. Dense. Some gravel		50	18	SS 3		
72							
73							
74							
75							
76							
77							
78							
79							
80	as above. Trace of clay		35			Drove spoon 1.0'	
81			50		SS 4		
82							

Drilling Log, continued

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						Date <u>4-8-87</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
83	Brown sand. Fine to Med Grained. Poorly Sorted.						
84						Thin clay layer < 1' at 84'	
85							
86							
87							
88							
89							
90			38			Drive spoon 0.8'	
91			50		555		
92							
93							
94							
95							
96							
97							
98	Coarse gravel. Cobble sized gravel. < 0.5' thick						
99							

Drilling Log, continued

Project Name Cessna						Boring No. D-32	
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						Date 4.8.87	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
100	Gray Shale					Completed drilling @ 8:00pm	
	Total Depth 100.0'						
101						Installed 10' 2" Ø PVC screen to 100' Gravel Pack to 77' Benbrite Pellet seal to 74'. Grout to surface Completed installation of monitoring well @ 5:30pm	
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							

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

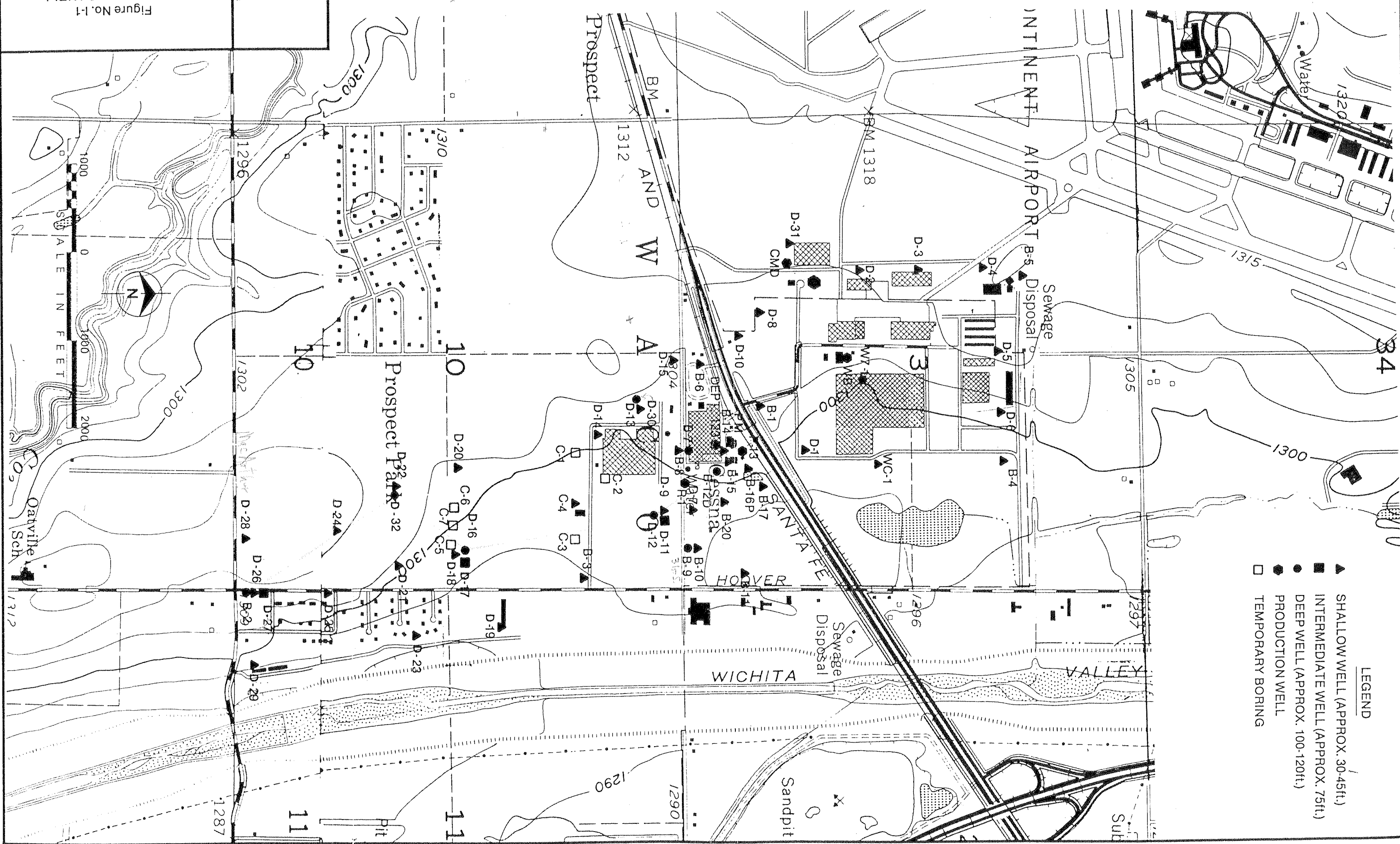


Figure No. I-1
MONITORING WELL
LOCATIONS

BUTTS & McDONNELL
ENGINEERS - ARCHITECTS - CONSULTANTS