

Drilling Log

Project Name Cessna						Boring No. D-13	
Project No. 85-141-4-001						Page 1 of 3	
Ground Elevation 1298.6			Location See Boring Location Plan			Total Footage 46.5'	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. Core Boxes	Depth To Water	Date Measured
HSA	6"	46.5'	0	9	0	See Remarks	
Drilling Co. Layne Western Company Inc.				Driller(s) Buck Blank			
Drilling Rig. ATV mounted CME 750				Type of Penetration Test Standard			
Date 11.20.86		To 11.21.86		Field Observer(s) M. Eversman			
Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks	
1	Red Brown silty sandy clay Moist. Medium Plasticity Sand is fine grained					Begin drilling @ 2:30p	
2							
3							
4							
5	as above. Grades to a clayey red sand. Fine grained to fine moist Dense. Sand is sub- rounded to subangular. Well Sorted		4 6 8	15' / 18"	SS1	Change occurs at 6.1'	
6							
7							
8							
9							
10							
11	as above. Some medium sized gravel present in sample Medium density.		7 11 14	14 / 18	SS2		
12							
13	Red Clayey Sand. Moist. Sand is fine to very fine grained						
14							

Drilling Log, continued

Project Name Cessna

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Date 11.20.86

Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
15	Brown sand. Damp Fine to very fine grained with some gravel, fine to medium. Well sorted. Thin 1" sandy clay layer at 15.5'. Medium to dense		5			Interbedded thin seams of clayey sand and gravel
16			9	11/18		
17			20		SS3	
18						
19						
20	Brown sand Moist Medium to coarse grained. Some medium to coarse gravel. Poorly sorted. Thin 1" clay seam present at 21.0'. Medium dense.					Traces of clay throughout sample
21		7				
22		9	12/18		SS4	
23						
24						
25	Brown sand Fine to v fine grained. Some medium sized sand present in thin layer. Saturated. Loose. Well Sorted.					
26		3				
27		3	10/18		SS5	
28	Clay layer @ ~28' Approx 2"					
29						
30						
31	Brown sand Med to Coarse Grain Some fine sand. Poorly Sorted	7				
		8	18/18		SS6	
		15				Sand came up auger 1.6' cleaned out with split spoon

051281

Burns & McDonnell
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Form TS-GT-2-2

Drilling Log, continued

Project Name <u>Cessna</u>						Boring No. <u>D-13</u>	
Project No. <u>BS-141-4-001</u>						Page <u>3</u> of <u>3</u>	
						Date <u>11.20.86</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
32	Medium Dense.				556		
33							
34							
35	Brown sand Med. to Coarse		13				
36	Grained. Wet. Well Sorted		15	18	557	Sand came up	
	Dense. Some gravel present		24	18		auger 1.6'. Cleaned	
37						out with split spoon	
38							
39							
40	Brown sand and gravel		15	18	558	Sand came up	
41	Wet. Dense. Sand is coarse,		19	18		auger 1.6' Cleaned	
42	Gravel is medium grained		20			out with split spoon	
43	Sub angular and subrounded					10' screen set to	
44						44'. Hole collapsed	
						to 20' as augers	
45	Brown sand, fine to v. fine		20	18	559	removed. 4' Benbute	
46	grained. Saturated. Dense		23	18		Grout to surface	
	Some small gravel Well Sorted		23			Sand came up	
						augers 1.6'	
						cleaned out with	
						split spoon	
	Total Depth 46.5'					Completed @ 10:30a	

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

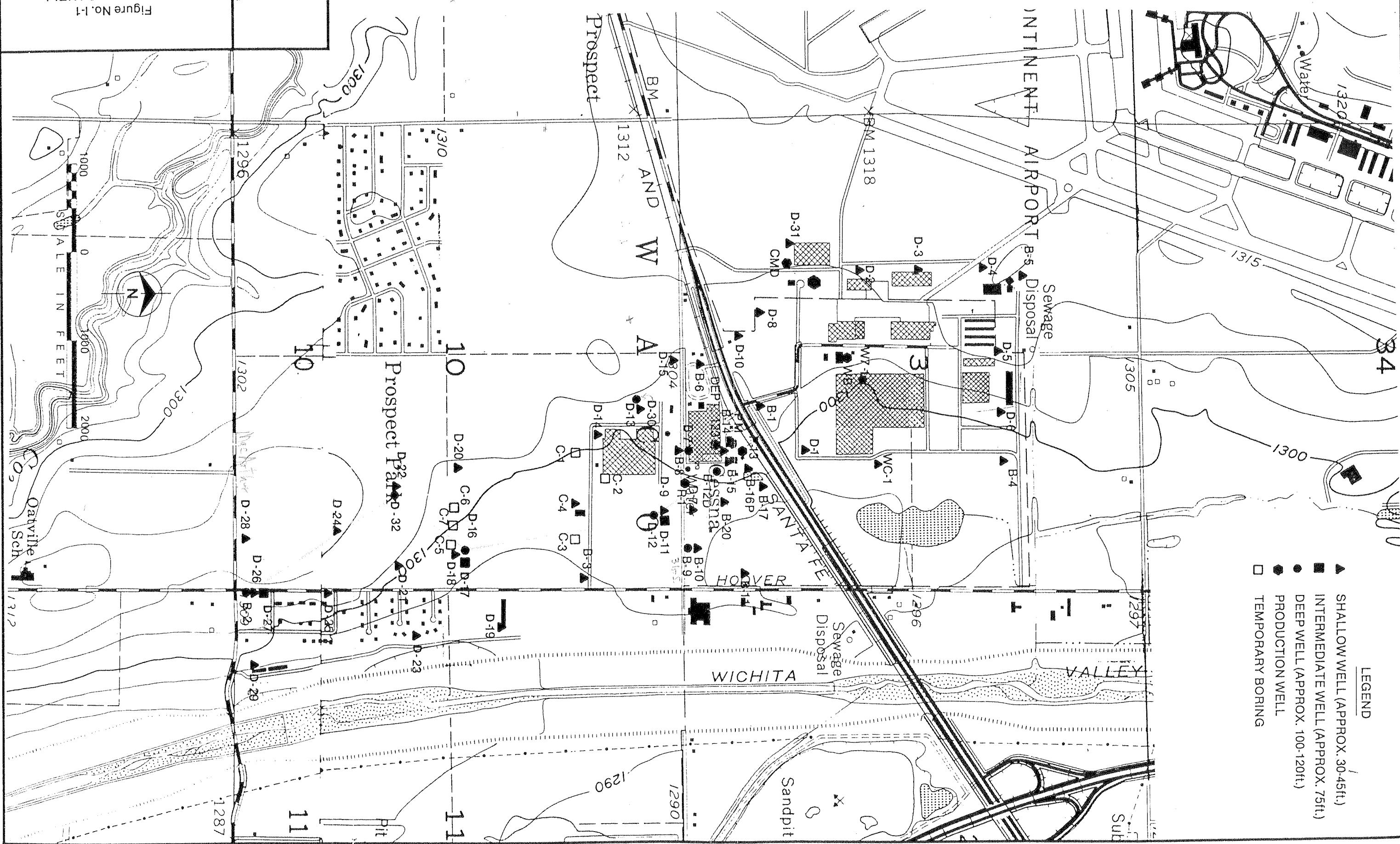


Figure No. I-1
MONITORING WELL
LOCATIONS

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