

Drilling Log

Project Name Cessna						Boring No. D-29	
Project No. 85-141-4-001						Page 1 of 3	
Ground Elevation 1295.39			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 12.5.86		To 12.6.86			Field Observer (s) M Eversman		

Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks
1	Dark Brown silty clay Moist. Low to Med Plasticity Trace of Sand					Begin drilling @ 1:15p
2						
3	Brown as above					
4						
5	Brown silty clay, Moist. Low to Medium plasticity. Mod. Stiff. Trace of sand		3 5 6		451	Color change from Dk Brown to Brown
6						
7						
8						stopped 12.5.86 2:30 pm
9						Resumed 12.6.86 8:00a
10	Red Brown silty clay Moist Medium Plasticity Mod. Stiff. Traces of sand		3 3 7		452	
11						
12						
13						
14						

Drilling Log, continued

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						Date <u>12.6.86</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
15	Brown Gray mottled silty clay Moist Medium plasticity Mod. Stiff. Traces of black organics		3		SS3	
16			5			
17			7			
18						
19						
20						
21	Tan clayey sand. Wet V. fine grained Medium Dense Well sorted.		6		SS4	
22			13			
23			13			
24						
25						
26						
27	Tan sand. Fine to V Fine grained Well Sorted. Some fine gravel, coarse sand. Saturated. Med Dense.		9		SS5	
28			11			
29			16			
30	as above		12		SS6	
31			12			
			17			

Drilling Log, continued

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						Date <u>12.6.86</u>	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
31	<u>continued</u> Tan sand. V Fine to Fine grained. Well Sorted. Medium Dense				SS6		
32							
33							
34							
35	as above. Trace of coarse gravel.		13	18/			
36			17	18	SS7		
37			20			Water added to hole so no water levels could be taken	
38						Water shows on rods at approx 26'	
39							
40	Tan sand. V. Fine to Medium Grained. Medium Dense.		11	18/			
41	Poorly sorted. Saturated. Some medium gravel present		17	18	SS8		
42			17			2" PVC screen set to 45'	
43						Gravel Pack to 21'	
44						Bentonite Pellet Seal to	
45	Tan silty clay. Wet. Med to High Plasticity. Mod. stiff. Trace of fine to med gravel		10	18/		Bentonite Cement slurry to surface	
46			13	18	SS9		
			15			Completed @ 12:00p	
Total Depth 46.5							

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

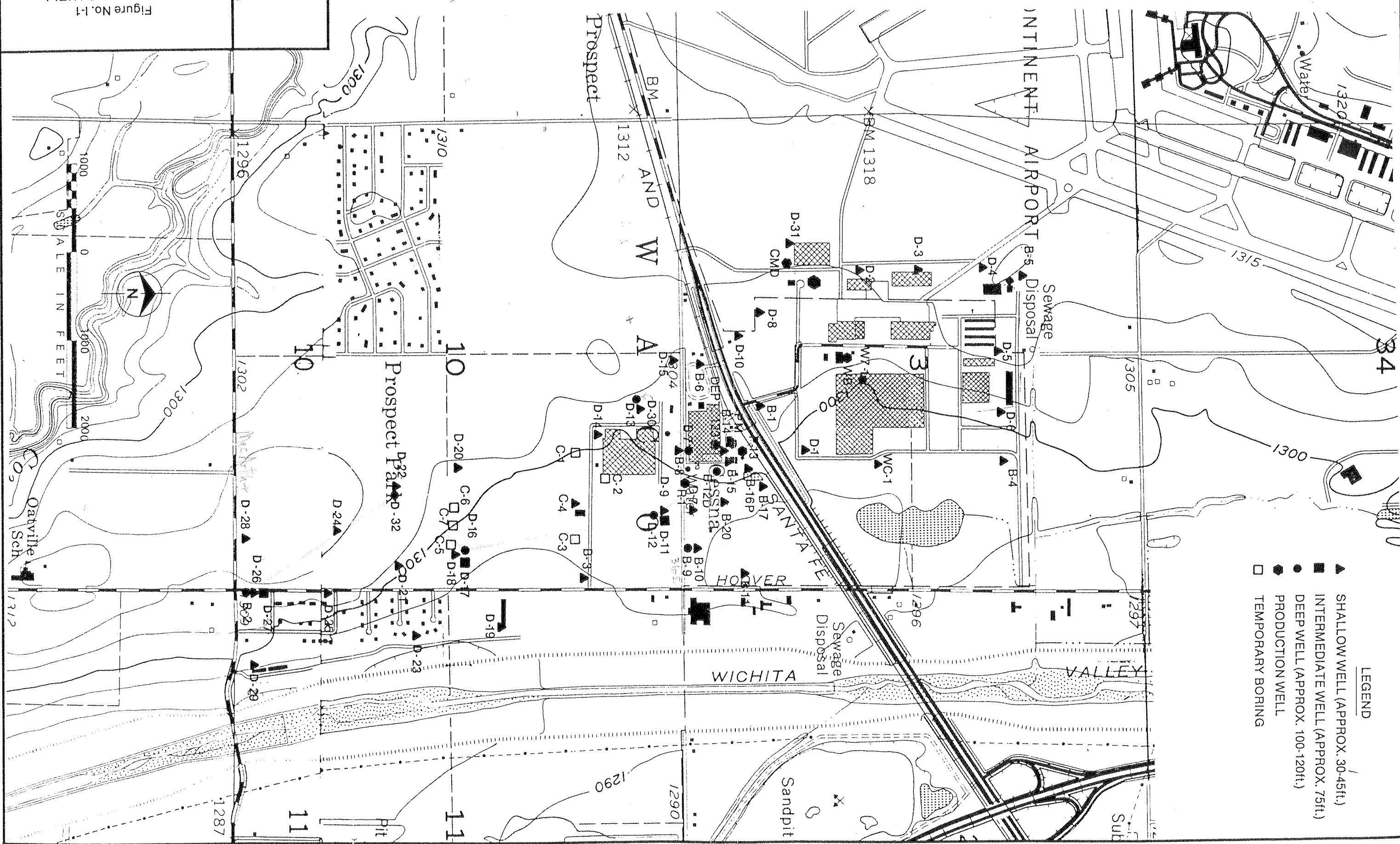


Figure No. I-1
MONITORING WELL
LOCATIONS

BUTTS & McDONNELL
ENGINEERS - ARCHITECTS - CONSULTANTS