

Drilling Log

Project Name Cessna						Boring No. B-5	
Project No. 85-141-4-001						Page 1 of 4	
Ground Elevation 1314.0'			Location See Figure II-1			Total Footage 51.0'	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. Core Boxes	Depth To Water	Date Measured
HSA	6 1/4"	51.0'	0.0'	10	0	See Remarks	—
Drilling Co. Layne Western Company Inc.				Driller (s) Randy Cowl + Byron Seymore			
Drilling Rig. Acker AD-2				Type of Penetration Test Standard			
Date 3-1-86		To 3-1-86		Field Observer (s) J. David Longford			

Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks
1	Brown Silty Clay, moist, medium to Highly Plastic.					Start @ 8:00 AM
2						
3						
4						
5	Brown + Rusty Brown, Same as above, w/ a trace of fine sand.		3/5/6	10" / 18"	SS-1	OVA = 0 ppm Metals #1
6						
7						
8	Same as above.		5/7/5	18" / 18"	SS-2	OVA = 0 ppm
9						
10	Rusty Brown Sand, moist, Fine to Coarse, w/ a trace of silt + gravel.					
11						
12						
13						
14						

Drilling Log, continued

						Boring No.	B-5
Project Name						Page	2 of 4
Project No.						Date	3-1-86
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
15	Rusty Brown Sand, moist, Fine to Coarse, w/ a trace of silt, Med. Dense.		2 7/10	18" / 18"		SS-3	Moderate Drilling Resistance 12.0'-14.0' OVA = 0ppm
16	Lt. Brown Sand, Dry to Moist, Fine to Medium, Med. Dense.						
17							
18							
19							
20			3 4/7	10" / 18"		SS-4	OVA = 0ppm
21							
22							
23							
24							
25	Same as above, w/ two 2" lenses of brown silty clay moist, med. plastic.		5 5/22	18" / 18"		SS-5	OVA = 1ppm
26							
27							
28							
29	Brown Sand, Fine to Coarse, Dense, Moist, w/ three lenses of brown clay (2" to 4" thick), highly plastic.		7 15/22	14" / 18"		SS-6	Noted Free water @ Tip of sample. OVA = 1ppm
30							
31							

Drilling Log, continued

Project Name CESSNA						Boring No. B-5	
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						Date 3-1-86	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks	
32	Brown Sand, Saturated, Fine to Medium, Dense.						
33							
34							
35			7/20/29	18" / 18"	SS-7	OVA = 1ppm	
36							
37							
38						H ₂ O @ 31.0' prior to washing out HSA	
39	Brown Sand, Saturated, Med. to Coarse, Dense.					Noted 2' of material inside HSA, washed out w/ hose.	
40			10/15/20	18" / 18"	SS-8	OVA = 1ppm	
41							
42							
43							
44							
45	Same as above						
46			10/15/28	18" / 18"	SS-9	OVA = 0ppm	
47							
48							

Drilling Log, continued

Project Name CESSNA						Boring No. B-5	
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						Date 3-1-86	
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss		Box or Sample No.	Remarks
49	Brown Sand, Saturated, medium to coarse, dense.						
50			8/13/25	18" / 18"		SS-10	OVA = 0 ppm
51	T.O. = 51.0'						completed drilling @ 10:40 AM
52							Installed 2"Ø PVC piezometer to 48.5'
53							2"Ø PVC machine-slotted flush-threaded screen 38.5' - 48.5'
54							Gravel pack 30.0' - 48.5'
55							Bentonite pellet seal 28.0' - 30.0'
56							Cement grout to ground surface
57							
58							
59							
60							
61							
62							
63							
64							
65							

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

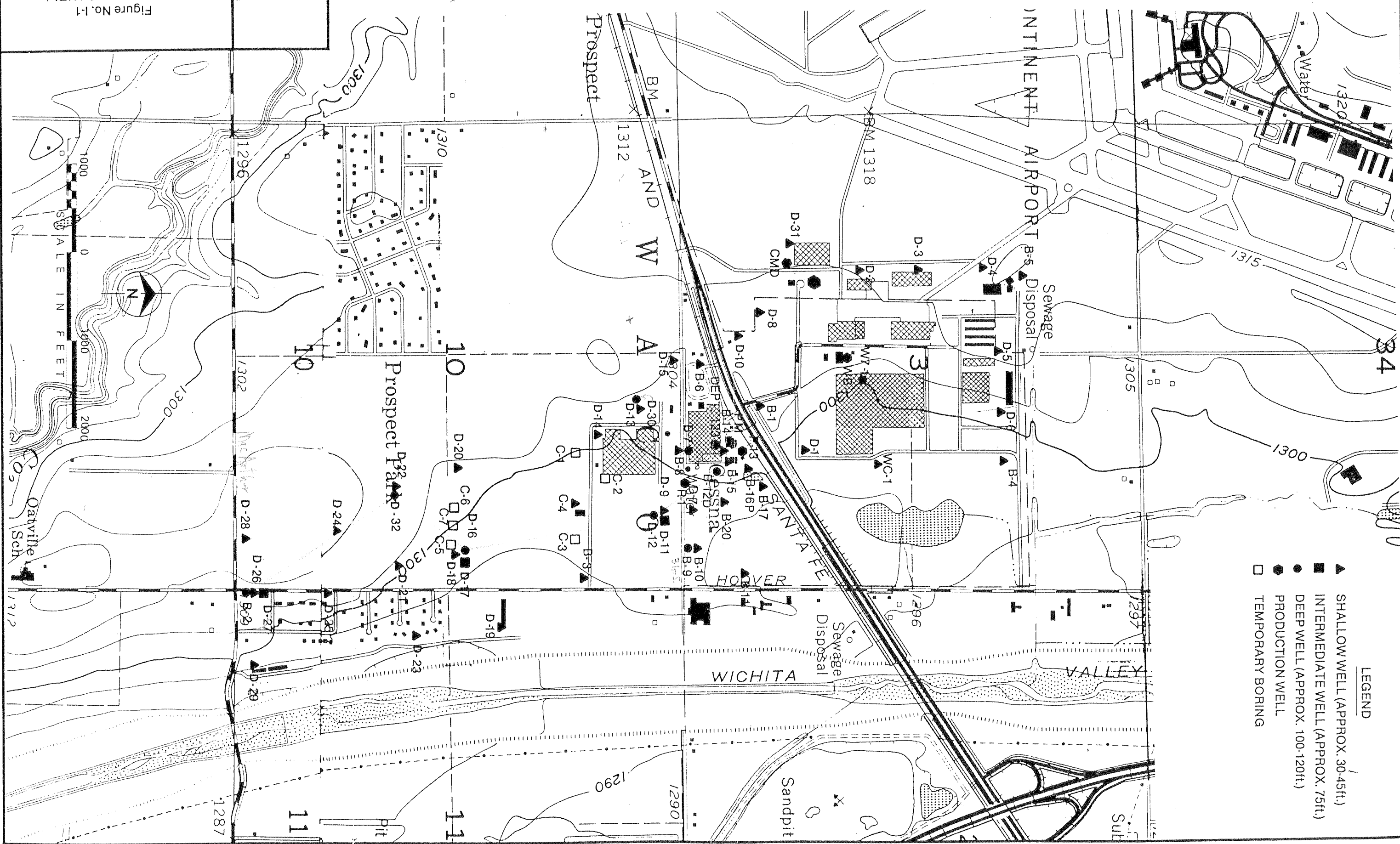


Figure No. I-1
MONITORING WELL
LOCATIONS

BUTTS & McDONNELL
ENGINEERS - ARCHITECTS - CONSULTANTS