

Drilling Log

Project Name CESSNA						Boring No. B-3	
Project No. 85-141-4						Page 1 of 3	
Ground Elevation Approx. 1294.6'		Location Approx. 197' South of Case Plant Drive and 57' West of E of Hoover Rd				Total Footage 46.0'	
Drilling Type	Hole Size	Overburden Footage	Bedrock Footage	No. of Samples	No. Core Boxes	Depth To Water	Date Measured
Rotary Wash	6"	46.0'	0'	8	0	See Remarks	—
Drilling Co. Layne - Western Company, Inc.				Driller (s) Rodney Cleverley + Mark Denham			
Drilling Rig. Gardner - Denver 1000				Type of Penetration Test Standard			
Date 8-20-85		To 8-20-85		Field Observer (s) J. David Langford			

Depth	Description	Class.	Blow Count	Recov.	Sample or Box No.	Remarks
1	Topsoil, Dark Brown Silty Clay, Moist med. Plastic, w/ trace of fine sand.					Start @ 7:30 AM 8-20-85 Piezometer located East of Case. T.O.P. Elev. = 1295.30'
2						
3	Grayish Brown Silty Clay, Moist to Wet, Medium to Low Plastic, w/ a trace of fine sand.	CL	2 2/4	16" / 18"	SS-1	
4						
5						
6						
7						
8						
9						
10	Brown + Rusty Brown Silty Clay, Moist to wet, Medium to Low Plastic, w/ some fine sand.	CL	2 4/6	18" / 18"	SS-2	
11						
12						
13						
14						

Drilling Log (continued)

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						Date <u>8-20-85</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
15	Brown + Rusty Brown silty clay, moist to wet, medium to highly plastic, w/ some fine sand.					
16						
17						
18	Brown Sand, Saturated, Fine, w/ a trace of silt.					
19						
20						
21		SP	17/39 50/5"	12" 18"	SS-3	
22						
23						
24						
25	Same as above.	SP			SS-4	Sample from Cuttings
26						
27						
28						
29						
30	Brown Sand, Saturated, Fine to medium					
31		SP			SS-5	Sample from Cuttings.

Drilling Log (continued)

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						Date <u>8-20-85</u>
Depth	Description	Log or Class	Blow Count	Core Recov. & Loss	Box or Sample No.	Remarks
32	Brown Sand, Saturated, Fine to Medium.					
33						
34						
35						
36		SP	14/18 18	0.5" 18"	SS-6	(No Recovery) Only large piece of gravel lodged in tip.
37						
38						
39						
40	Brown Sand, Saturated, Fine to Coarse.	SP			SS-7	Jar Sample from Cuttings.
41						
42						
43	Grayish Brown Clay, Moist, Highly Plastic, Hard.	CH	14/23 27	18" 18"	SS-8	slight Drilling Resistance Began @ 43.0'. Noted Clay in Cuttings. Completed @ 11:30 AM H ₂ O @ 18.7' Below T.O.P. Set 44.0' of PVC 2" casing with lower 10' screen. 17' gravel pack, 2' bentonite pellet grout to ground surface.
44						
45						
46						
T.O. = 46.0'						
47						
48						

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

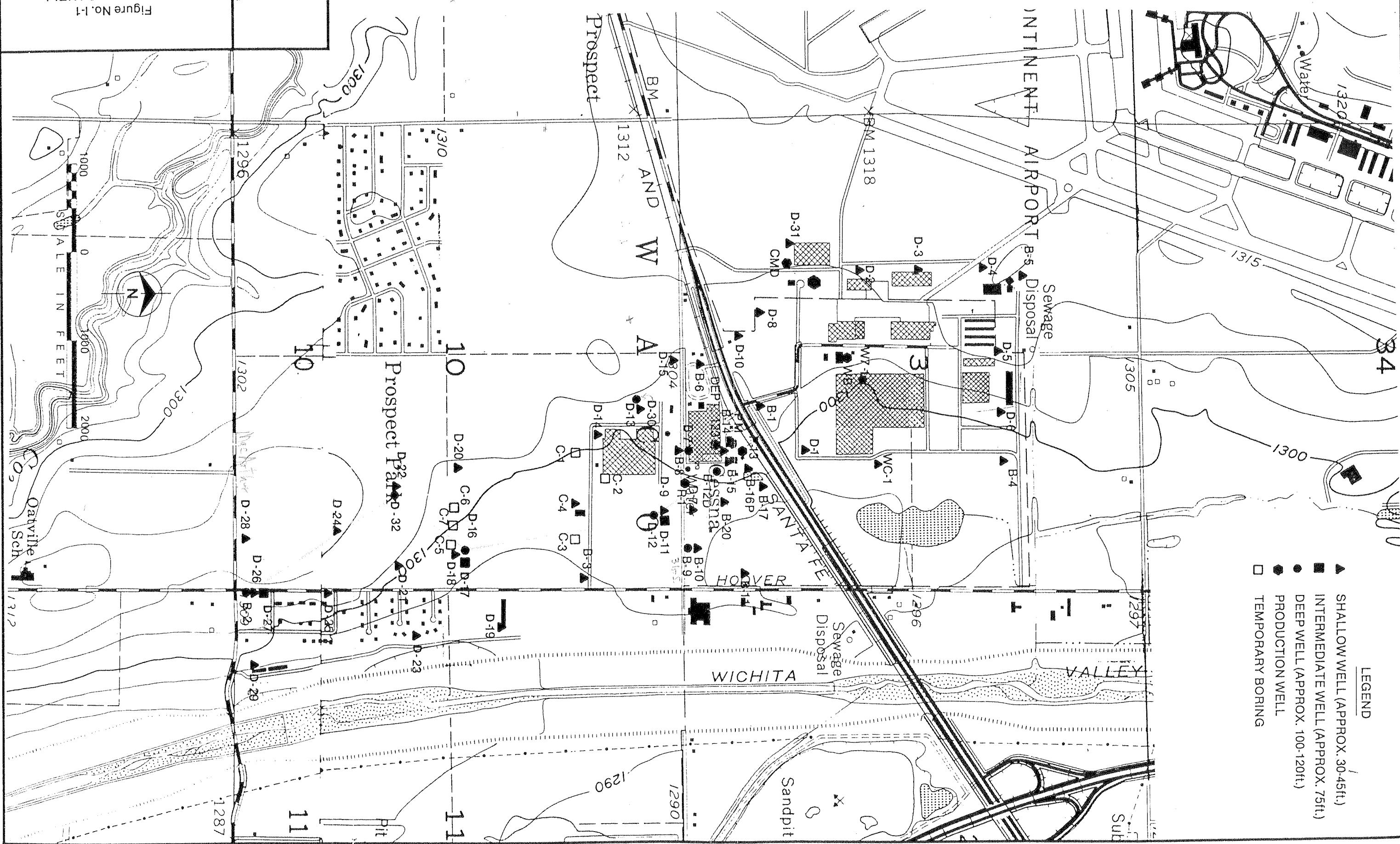


Figure No. I-1
MONITORING WELL
LOCATIONS

BUTTS & McDONNELL
ENGINEERS - ARCHITECTS - CONSULTANTS